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THE YEARBOOK OF THE
UNIVERSITIES OF
THE COMMONWEALTH

1952

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THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1952

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TWENTY-NINTH ISSUE

PUBLISHED FOR
THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH

BY

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1952

THE OFFICE OF THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH IS SITUATED AT 5 GORDON SQUARE, LONDON, W.C.1 (CLOSE TO THE UNIVERSITY OF LONDON SENATE HOUSE AND UNIVERSITY COLLEGE).

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

PREFACE

THE *Yearbook* has appeared regularly since its first publication in 1914 except for a break due to wartime conditions in 1942-46. It was instituted to meet the demand for something less unwieldy than a shelf of the Calendars and Handbooks of the separate Universities as a prime source of information about their personnel, organization, regulations, and recent activities, but it has now established itself as a standard work of reference on both general and special academic questions for the countries of the Commonwealth. 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 intra-Commonwealth relations have made a single, comprehensive reference book a necessity, not only for Universities and Colleges, but also for Government departments, business houses, clubs, schools, libraries, and the public generally. It must be understood, however that this work cannot contain the same amount of detail about any particular University that is to be found in its own official publications, which remain the only authentic statement of its regulations and practice.

The *Yearbook* has also become the principal publication of the Association of Universities of the British Commonwealth and is an important sign of the community of interest and ideas that permeates the diversity of the autonomous institutions of higher education in the countries of the Commonwealth. In it will be found entries for all Commonwealth University institutions of good standing and not merely for the member institutions of the Association (distinguished in this edition by asterisked headings; see also pp. xxviii-xxxi). The entries consist of staff directories (comprising in the aggregate approximately 25,000 names), general information, and reports of events of outstanding interest which have occurred in the previous academic year. In addition, for each separate country or group of countries there is an introductory chapter on the history, regulations, and practice of its Universities generally, and the compilation ends with a set of appendices dealing with a number of special topics such as admission to a first degree course in United Kingdom Universities, certain postgraduate awards, statistics relating to overseas students at United Kingdom Universities, and Anglo-American academic relations. A special appendix contains full entries for the Universities of the Republic of Ireland which, though no longer within the Commonwealth, remain in friendly association with its academic activities. A general subject index is provided, as well as a complete index—which is believed to have a unique value—of names of University teachers and other officers for the whole Commonwealth.

This edition of the *Yearbook* is the largest ever published. The "General Information" sections of most University entries have been expanded; and four new appendices added which cover United Kingdom degree abbreviations, Commonwealth studies in the United Kingdom,

international University organizations, and a select bibliography of books on University topics. An introductory chapter to the Colonial pages of the book has been prepared by the Secretary of the Inter-University Council for Higher Education in the Colonies. The former Rhodes University College appears in this issue as Rhodes University, and the entry for Potchefstroom University for Christian Higher Education replaces that of the University College of the same name. Included for the first time are entries for two additional institutions recognized by the National Conference of Canadian Universities, viz. Carleton College and the Royal Military College of Canada; for the new Indian Universities of Gujarat, Karnatak, and Roorkee; and for the new University of Peshawar in Pakistan. Other institutions, which have been newly created as Universities or whose University status has been recognized since the contents of this edition were planned, will be considered for inclusion in the 1953 volume.

Present-day publishing conditions unfortunately require that the preparation of the material for an annual work of reference should be put in hand almost a year before it appears in print. This means that a portion of the facts contained in the *Yearbook* is inevitably out of date by the time of publication, but in this edition for the first time an indication is given in the heading of each University's entry of the date at which the information below was finally compiled.

The staff directory shows after every name each degree held and the University by which it was granted (except in the case of one awarded by the University upon whose staff the teacher is serving, when it is placed last of his degrees without the University being indicated). For reasons of space, titles other than degrees have had to be omitted, with the exception of honours conferred by the Crown, or the head of a foreign government, and of certain fellowships (*see* list at page x).

Each entry is based on information supplied for this edition by the appropriate Registrar or Secretary, and the Executive Council of the Association desires to acknowledge the assistance given by Universities and University Colleges as well as other Institutions and Government departments in the preparation of the *Yearbook*. Every care has been taken to ensure that the information is correct but the Association does not accept responsibility for any omissions or inaccuracies that it may contain.

The Association of Universities of the British Commonwealth
5 Gordon Square, London, W.C.1
November 1951

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LIST OF ABBREVIATIONS USED

(for orders, decorations, and qualifications other than University degrees, diplomas, and certificates, in connexion with which *see* Appendix V, p. 1444).

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

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

A.F.C.	.	.	.	Air Force Cross.
A.F.M.	.	.	.	Air Force Medal.
B.E.M.	.	.	.	British Empire Medal.
C.B.	.	.	.	Companion of the Bath.
C.B.E.	.	.	.	Commander Order of British Empire.
C.G.	.	.	.	Croix de Guerre.
C.G.M.	.	.	.	Conspicuous Gallantry Medal.
C.H.	.	.	.	Companion of Honour.
Chev. Lég. d'H.	.	.	.	Chevalier de la Légion d'Honneur.
C.I.	.	.	.	Imperial Order of the Crown of India.
C.I.E.	.	.	.	Companion of the Order of the Indian Empire.
C.M.G.	.	.	.	Companion of the Order of St. Michael and St. George.
C.S.I.	.	.	.	Companion of the Order of the Star of India.
C.V.O.	.	.	.	Commander of the Royal Victorian Order.
D.B.E.	.	.	.	Dame of the Order of the British Empire.
D.C.M.	.	.	.	Distinguished Conduct Medal.
D.F.C.	.	.	.	Distinguished Flying Cross.
D.F.M.	.	.	.	Distinguished Flying Medal.
D.L.	.	.	.	Deputy-Lieutenant.
D.S.C.	.	.	.	Distinguished Service Cross.
D.S.M.	.	.	.	Distinguished Service Medal.
D.S.O.	.	.	.	Companion of the Distinguished Service Order.
F.A.A.A.S.	.	.	.	Fellow of the American Association for the Advancement of Science.
F.A.A.O.S.	.	.	„	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.	.	.	„	American Institute of Electrical Engineers.
F.Am.G.S.	.	.	„	American 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.	.	.	„	Chartered Institute of Secretaries.
F.C.S.	.	.	„	Chemical Society.
F.D.S.	.	.	„	Dental Society.
F.D.S.R.C.S.	.	.	„	Royal College of Surgeons in Dental Surgery.

F.E.I.S.	.	.	Fellow of the Educational Institute of Scotland.
F.F.A.	.	.	Faculty of Actuaries.
F.F.A.R.C.S.	.	.	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.	.	.	Geological Society of America.
F.I.A.	.	.	Institute of Actuaries.
F.I.A.N.Z.	.	.	Institute of Actuaries of New Zealand.
F.I.C.A.	.	.	Institute of Chartered Accountants.
F.I.C.D.	.	.	International College of Dentists.
F.I.F.	.	.	Institute of Fuels.
F.I.I.A.	.	.	Institute of Industrial Administration.
F.I.M.	.	.	Institute of Metallurgists.
F.I.P.	.	.	Institute of 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.N.Z.I.A.	.	.	New Zealand Institute of Architects.
F.N.Z.I.C.	.	.	New Zealand Institute of Chemistry.
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.	.	.	Royal Australian College of Surgeons.
F.R.A.I.	.	.	Royal Anthropological Institute.
F.R.A.I.A.	.	.	Royal Australian Institute of Architects.
F.R.A.M.	.	.	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.	.	.	Royal Aeronautical Society.
F.R.B.S.	.	.	Royal Society of British Sculptors.
F.R.C.M.	.	.	Royal College of Music.
F.R.C.O.	.	.	Royal College of Organists.
F.R.C.O.G.	.	.	Royal College of Obstetricians and Gynæcologists.
F.R.C.P.	.	.	Royal College of Physicians, London.
F.R.C.P.Can.	.	.	Royal College of Physicians, Canada.
F.R.C.P.Ed.	.	.	Royal College of Physicians, Edinburgh.
F.R.C.P.I.	.	.	Royal College of Physicians, Ireland.
F.R.C.S.	.	.	Royal College of Surgeons of England.
F.R.C.S.Can.	.	.	Royal College of Surgeons of Canada.
F.R.C.S.Ed.	.	.	Royal College of Surgeons of Edinburgh.
F.R.C.S.I.	.	.	Royal College of Surgeons of Ireland.
F.R.C.Sc.I.	.	.	Royal College of Science of Ireland.
F.R.C.V.S.	.	.	Royal College of Veterinary Surgeons.
F.R.E.S.	.	.	Royal Economic Society.
F.R.F.P.S.Glas.	.	.	Royal Faculty of Physicians and Surgeons of Glasgow.
F.R.Hist.S.	.	.	Royal Historical Society.
F.R.I.A.I.	.	.	Royal Institute of Architects of Ireland.
F.R.I.A.S.	.	.	Royal Institute of Architects of Scotland.

F.R.I.B.A.	.	.	Fellow of the Royal Institute of British Architects.
F.R.I.C.	.	.	" Royal Institute of Chemistry.
F.R.I.C.S.	.	.	" Royal Institute of Chartered Surveyors.
F.R.Met.S.	.	.	" Royal Meteorological Society.
F.R.S.	.	.	" Royal Society.
F.R.S.A.	.	.	" Royal Society of Arts.
F.R.San.I.	.	.	" Royal Sanitary Institute.
F.R.S.C.	.	.	" Royal Society of Canada.
F.R.S.L.	.	.	" Royal Society of Literature.
F.R.S.N.Z.	.	.	" Royal Society of New Zealand.
F.R.S.S.Af.	.	.	" Royal Society of South Africa.
F.S.A.	.	.	" Society of Antiquaries.
F.S.A.A.	.	.	" Society of Incorporated Accountants and Auditors.
F.S.A.L.A.	.	.	" South African Library Association.
F.S.S.	.	.	" Statistical Society.
F.T.C.L.	.	.	" Trinity College of Music, London.
F.T.I.	.	.	" Textile Institute.
G.B.E.	.	.	Knight or Dame Grand Cross Order of the British Empire.
G.C.	.	.	George Cross.
G.C.B.	.	.	Knight Grand Cross of the Bath.
G.C.I.E.	.	.	Knight Grand Commander of the Indian Empire.
G.C.M.G.	.	.	Knight Grand Cross of St. Michael and St. George.
G.C.S.I.	.	.	Knight Grand Commander of the Star of India.
G.C.V.O.	.	.	Knight or Dame Grand Cross of the Royal Victorian Order.
G.M.	.	.	George Medal.
I.S.O.	.	.	Imperial Service Order.
K.B.E.	.	.	Knight Commander Order of the British Empire.
K.C.	.	.	King's Counsel.
K.C.B.	.	.	Knight Commander of the Bath.
K.C.I.E.	.	.	Knight Commander of the Indian Empire.
K.C.M.G.	.	.	Knight Commander of St. Michael and St. George.
K.C.S.I.	.	.	Knight Commander of the Star of India.
K.C.V.O.	.	.	Knight Commander of the Royal Victorian Order.
K.G.	.	.	Knight of the Order of the Garter.
K.H.C.	.	.	Hon. Chaplain to the King.
K.H.P.	.	.	Hon. Physician to the King.
K.H.S.	.	.	Hon. Surgeon to the King.
K.P.	.	.	Knight of the Order of St. Patrick.
K.T.	.	.	Knight of the Order of the Thistle.
M.B.E.	.	.	Member of the Order of the British Empire.
M.C.	.	.	Military Cross.
M.M.	.	.	Military Medal.
M.M. (U.S.A.)	.	.	Medal of Merit.
M.V.O.	.	.	Member Royal Victorian Order.
O.A.	.	.	Officier de l'Académie.
O.B.E.	.	.	Officer Order of British Empire.
O.Lég.d'H.	.	.	Officier de la Légion d'Honneur.
O.M.	.	.	Order of Merit.
P.C.	.	.	Privy Councillor.
R.R.C.	.	.	Royal Red Cross.
T.D.	.	.	Territorial Decoration.
V.C.	.	.	Victoria Cross.
V.D.	.	.	Volunteer Officers' Decoration.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

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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 re-organization of the Bureau were considered by the delegates of the 69 Universities represented, and, subject to certain amendments, approved. The Articles were submitted in Sept. 1931 to the Board of Trade, which accorded its approval, subject to the deletion from Article 3 of the following proviso : “ Provided that the powers of the Association shall not be exercised in any such way as to purport to restrict the powers and duties exercised by the constituent members under the several charters, statutes, regulations and other instruments of their self-government.”

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

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

7a. The representative of any Member may nominate in writing deposited with the Secretary a deputy to act for him during any period for which he gives notice in such writing 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 readmitted 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.

<i>Members within—</i>	<i>Class of Member</i>	<i>No. of Representatives</i>
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 exercisable by the Council generally.

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

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

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

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

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

- (1) for admitting Universities which may hereafter become corporations ;
- (2) for admitting as Associate members Corporations which are Universities in mandated 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 6o ;
- (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

VOTES AT GENERAL MEETINGS

(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, Anna-
malai, 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 Oct. 25, 1951)

(i) Ordinary Members

UNITED KINGDOM

<i>University</i>	<i>Representative</i>
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., LL.D.
Cambridge	Professor Sir Lionel Whitby, C.V.O., M.C., M.A., M.D.
Durham	Rt. Hon. Lord Eustace Percy, M.A., LL.D., D.C.L.
Leeds	C. R. Morris, M.A., LL.D.
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	Professor Sir John Stopford, M.D., Sc.D., D.Sc., LL.D., F.R.C.P., F.R.S.
Nottingham	B. L. Hallward, M.A.
Oxford	Sir C. M. Bowra, M.A., D.Litt., LL.D., F.B.A.
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

Acadia	Watson Kirkconnell, M.A., Ph.D., LL.D., D.P.Ec., F.R.A.I., F.R.Hist.S., F.R.S.C.
Alberta	A. Stewart, B.S.A., M.A.
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., A.M., Ph.D., D.C.L., LL.D., D.Sc., D. de l'U., F.R.S.C.
McMaster	G. P. Gilmour, M.A., D.D., D.C.L.
Manitoba	A. H. S. Gillson, O.B.E., M.A., LL.D.
Montreal	Mgr. O. Maurault, C.M.G., P.D., D.C.L.

Mount Allison . . .	Col. the Rev. W. T. R. Flemington, O.B.E., B.Pæd., M.A., D.D., LL.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.C.L., D.Sc., LL.D., F.G.S., F.R.S.C.
St. Francis Xavier . . .	Rt. Rev. Mgr. Patrick J. Nicholson, Ph.D.
Saskatchewan . . .	W. P. Thompson, M.A., Ph.D., D.Sc., F.R.S.C.
Toronto . . .	Sidney Smith, K.C., M.A., LL.D., D.C.L., F.R.S.C.
Western Ontario . . .	G. E. Hall, A.F.C., M.S.A., M.D., Ph.D., F.R.S.C.

AUSTRALIA

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 . . .	Professor G. W. Paton, M.A., B.C.L.
New South Wales University of Technology . . .	A. Denning, B.Sc., Dip.Ed.
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.
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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.
Rhodes . . .	T. Alty, D.Sc., Ph.D., F.I.P., F.R.S.C.
Witwatersrand . . .	H. R. Raikes, A.F.C., M.A., LL.D.

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Banaras . . .	Pandit G. Malaviya, M.P., M.A., LL.B.
Baroda . . .	Mrs. H. Mehta.
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Osmania . . .	Nawab Ali Yavar Jung, B.A.
Panjab (India) . . .	Dewan A. Kumar, M.A.

Patna	S. Sinha, M.A., B.L.
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CEYLON

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

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Malaya	G. V. Allen, C.B.E., M.D., B.Ch., B.A.O., D.T.M.
Malta	J. A. Manch�, B.Sc., M.D.

(ii) Associate Members

<i>College</i>	<i>Representative</i>
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University College, Hull	J. H. Nicholson, M.A. (Ed.).
University College, Leicester	Professor L. Hunter, D.Sc., Ph.D., F.R.I.C. (Actg.).
University College of North Staffordshire	Rt. Hon. Lord Lindsay of Birker, C.B.E., M.A., LL.D.
University College, Southamp- ton	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., Sc.D.
Auckland University College, N.Z.	K. J. Maidment, M.A.
Victoria University College, Wellington, N.Z.	J. Williams, Ph.D., LL.M.
Canterbury Agricultural College	Professor E. R. Hudson, B.Agr., B.Sc.
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 Univer- sity College of East Africa	Bernard de Bunson, M.A.
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New England University

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For names of Executive Council see overleaf.

UNIVERSITY OF WALES*

Founded 1893

Postal Address : University Registry, Cathays Park, Cardiff.

Telephone : Cardiff 1776, 1777.

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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
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DEAN OF DIVINITY—The Rev. Principal J. D. VERNON LEWIS, M.A.
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SECRETARY TO THE COUNCIL—ELWYN DAVIES, M.A., M.Sc., Ph.D.
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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.

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Hitchens. Asss. : Dr. G. Grant, Dr. Edith McKnight. Inst. of Preventive
Medicine, The Parade, Cardiff. (*Telephone* : Cardiff 2814.)

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

UNITED KINGDOM

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 UNIVERSITY COLLEGE OF NORTH WALES, BANGOR (p. 465).
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 SHIRE, CARDIFF (p. 471).
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UNIVERSITIES OF THE UNITED KINGDOM

HISTORICAL AND GENERAL SUMMARY

UNIVERSITIES were the outcome of the great intellectual revival which affected Europe in the 12th and 13th 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 15th 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 17th 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 18th 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 19th 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 15th 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. 20.

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. 518-522.

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.

* *See also* Appendix V.

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,

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, Manchester.

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

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

Town and Country Planning. B.A. Durham, B.A. (Hons. in Town and Country Planning) Manchester.

Faculty of Science and Cognate Subjects**First Degrees**

Bachelor of Science. B.Sc. (B.A. Cambridge).

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

Applied Chemistry. B.Sc. (App. Chem.) ; B.Sc.Tech. Manchester.

Applied Science. B.Sc. (App. Sc.) (as distinguished from the B.Sc. Pure Science). See also p. 520.

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

Dairying. B.Sc. 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.) ; B.A. Oxford.

Horticulture. B.Sc. (Hort.) London, Nottingham ; B.Sc. 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 ; also B.Sc.Tech. Manchester ; B.Met. Sheffield.

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

Naval Architecture. B.Sc. ; B.Eng. Liverpool.

Oil Engineering and Refining. B.Sc. London ; Birmingham (*Petroleum Production Engineering*).

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.

London—Honours not awarded at the Examination for the B.A. (General) degree, at which three subjects are taken.

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. (Combinations of Greek or Latin or Classical Arabic with a modern language are permitted.)

Nottingham—An Honour School of General Studies in Arts has been established with a standing similar to the single subject Honour Schools.

At present the only Honours combinations which may be offered in this School are: English and Philosophy; English and Economic History; German and Economic History. For the first two yrs. of the course students read a third subject in addition to the two selected for Honours.

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: (a) Chemistry, Physics and Maths.; (b) Botany, Zoology and Chemistry; (c) Zoology, Botany and Geology; (d) Geography and Geology or Botany or Zoology; (e) Chemistry and Physiology with Elem. Physics and Zoology; (f) Anatomy and Physiology.

Nottingham—In the newly established Honour School of Grouped Subjects, students in the first yr. read three subjects, two of which are carried on into the second and third yrs.

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) or in Greek and Latin Languages and Literatures.

B.Ed.; Ed.B. Scottish Universities. Two yrs. 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; a thesis and a *viva voce* examination are required, and candidates may also be requested to pass a written examination in matters relevant to the subject of their thesis. At Leeds and Sheffield the M.A. may be conferred on a B.A. with Honours or a B.Mus. of the University of not less than 1 yr.'s standing who has presented a thesis approved by the Faculty concerned, passed an oral examination and, if required by the Faculty, a written examination in matters relevant to the subject of the thesis (alternatively, at Sheffield, who has satisfied conditions laid down by regulation, and passed written and oral examinations after approved courses of study); and on other B.A.s of the University and on graduates of other Universities subject to specified conditions. 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 1 to 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 yrs. 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 B.Sc. graduates who have attended the University for not less than one further yr., 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 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); M.Agr. (Belfast); M.A. (Arch.) (London); M.Arch. (Liverpool); M.C.D. (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 Birmingham, 5 yrs. from B.D. of Birmingham or other approved University (or from second degree in which Theology has been a main part of second degree course), at Cambridge, 3 yrs. from B.D.; Durham, 10 yrs. from B.A., 5 yrs. from B.D.; Manchester, 4 yrs. from B.D. (or 6 yrs. for Bachelors of Divinity of other Universities who have studied for 2 yrs. at Manchester); Nottingham, graduates of University of 7 yrs.' standing from first degree; Oxford, 14 yrs. from matriculation, or, if he was admitted to the degree of B.D. as a graduate of another Univ., the candidate must have attained the age of 33; Wales, 6 yrs. from B.D.; Belfast, 6 yrs. from B.D. on submission of thesis or published work.

Degrees in the Faculty of Law

LL.B. At the Universities of Birmingham, Bristol, Durham, 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 Bristol, Durham and Manchester, of 2 yrs.' standing (at Manchester 1 yr. for persons who have graduated LL.B. with Hons. in the Univ.), on presentation of thesis. By examination at Birmingham 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), Sheffield 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 $4\frac{1}{2}$ 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 candidates must graduate B.A. 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 and Wales, 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; at Wales, of 3 yrs.' standing. At Oxford there is a written examination and a thesis. 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 candi-

dates 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 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.' (Birmingham, 5 yrs.) standing and must present a thesis and/or undergo an examination. At Leeds, in addition to having been admitted to the degree of Bachelor of Dental Surgery at least 1 yr. previously, candidates must also provide evidence of having spent at least 1 yr. in approved Dental Hospital practice or 2 yrs. as a Dental Surgeon. The 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. At Wales, 1 yr. for candidates holding the degree of B.Pharm. ; 2 yrs. for graduates of other Universities.

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 Bristol they must have studied Music as a subject in both parts of the curriculum of the general degree of B.A. At Cambridge the degree is obtainable after honours in the Music Tripos by passing the *Mus.B.* examn. At Durham 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 obtain a First or Second Class in the Final Honour School of Music and pass the necessary *B.Mus.* examinations. At Sheffield they must pass the Intermediate Examination for the B.A. degree. In Wales they must attend 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, Bristol, 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 distinc-

tion 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 yrs. is accepted in Arts and Law. At Nottingham, part-time research for not less than 4 yrs. may be permitted, if substantial laboratory work is not involved. 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 1949-50 as 85,421, including 19,353 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 88,220. 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 pp. 10-10. 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

* Some of the Scholarship Handbooks 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.

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 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 1951, 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 1951; 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* pp. 521-522. For Postgraduate awards, *see* Appendices II and III.

ADULT EDUCATION

University Extension Courses have been promoted by the Universities of Cambridge, Oxford and London for nearly 80 years. At Cambridge they were known as local lectures and were initiated in 1873. Oxford and London took up the work soon afterwards, and since then the other Universities and University Colleges have followed suit. These courses number several hundreds and vary in length from 6 to 25 lectures. In 1926 the Universities Extra-mural Consultative Committee was established to consider the many aspects of extra-mural work now undertaken by the Universities, and to contribute towards the formation of a common policy. The Committee was reconstituted in 1946 as the Universities Council for Adult Education (Hon. Secretary and

* As from mid-1951, these awards are to be known as "State Scholarships."

Treasurer, W. E. Salt, O.B.E., M.A., B.Com., Dept. of Adult Educn., The University, Bristol, 8), and is representative of each University and independent University College of England and Wales and of some of the Universities of Scotland. An *Annual Report* is printed, which gives tabular statements of the activities of University Extra-mural Departments.

In 1903 *The Workers' Educational Association* was founded. In 1907 relations were established with Oxford University. Since that date relations have been established with all the Universities and University Colleges, and there are joint committees composed of representatives of the University or College and the W.E.A., which promote Three-Year Tutorial Classes, Advanced Tutorial Classes, Vacation Courses, etc. The W.E.A. is recognized by the Ministry of Education as a responsible body and most of these classes and courses, together with the thousands of classes which it provides independently of the Universities, rank for grants from public funds. W.E.A. Central Office: 27 Portman Square, London, W.1. (*Telephone*: Welbeck 0491.)

The *National Institute of Adult Education (England and Wales)*, 35 Queen Anne Street, London, W.1, *Telephone*: Langham 3155 (Sec.: E. M. Hutchinson, M.A.), is defined by its constitution as a Central Body for Adult Education in which all substantial interests are nationally focused. 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* (annual subscription, 10s. 6d.), previously the journal of the British Institute; a six-monthly *Calendar of Residential Courses* (price 9d.), and other publications, including a Directory of Organizations entitled: *Adult Education in the United Kingdom*.

COMMITTEE OF VICE-CHANCELLORS AND PRINCIPALS

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

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

In 1929 the Standing Committee of Vice-Chancellors was dissolved and a Consultative Committee of Vice-Chancellors and Principals was established in its place. A new constitution of the Committee was adopted in 1950 under which its title was changed to "The Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom." Besides the Vice-Chancellors and Principals of the Universities its membership includes in rotation two of the Principals of the five University Colleges. The deliberations of this Committee now cover all subjects of common interest to Universities. Annual conferences of the Home Universities have been held from 1946 onwards.

The office of the Association of Universities of the British Commonwealth provides the Secretariat of the Committee of Vice-Chancellors and Principals.

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

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Secretary, The University, Edmund Street, Birmingham, 3.
(Telephone : Central 8541-4.)

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Newman, E. J., M.A. Camb.
Pt.-time Lectr.

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M.A. Oxon. and Cape T.,
M.D., F.R.S.

Sands Cox Prof. and
Director of Dept. of
Anat.

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(Anat.).

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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.).

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Ph.D. (Anat.).

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Boscott, R. J., B.Sc., Ph.C. (Endo-
crine Chem.).

Aterman, K., M.D. Prague (Bio-
physics).

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

5 Temp. Asst. Lectrs.

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Tritsch, F. J., Ph.D. Heidel.,
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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.

Garlick, K. J., M.A. Oxon.
Hon. Lectr.

Biochemistry, v. Physiol.

Botany

Maskell, E. J., M.A., Ph.D. Camb.,
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Skelding, A. D., B.Sc. Lond.
Hickman, C. J., M.Sc., Ph.D.
Green, P. S., B.Sc. Lond. (Taxo-
nomy).

Brewing, etc., v. Malting and
Brewing

Chemistry

Melville, H. W., D.Sc. Edin.,
Ph.D. Camb., M.Sc., F.R.S.
Mason Prof. and Head
of Dept.
Stacey, M., Ph.D., D.Sc., F.R.S.
Prof. of Chem. in charge
of Org. and Biol. Chem.

Senior Lecturers

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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).

Belcher, R., B.Sc., F.R.I.C.
(Analyt. Chem.).

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Camb.

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D.Phil. Oxon.

Beit Fellow for Medical Re-
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Hooker, Edna M., M.A. Lond. (Gk.
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plomatouchos Athens
(Colloquial Greek) Asst.

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Education

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 Grisbrook, H. Lectr.

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 and Lit.

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 Foakes, R. A., M.A.
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Hilton, Mrs. Margaret, B.A. Oxon.
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Argelliez, Simone
Johnson, Mme Madeleine.
Corbière, Jacqueline.

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F.R.S. Prof.
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Lond. Lectr.
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Asst. Lectr.

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F.G.S. (Geophysics).

Strachan, I., B.Sc. Edin., Ph D.
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Prof.

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M.A. Brist.
Prawer, S. S., M.A. Camb.
Coghlan, B. L. D., B.A.
Temp. Asst. Lectr.

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Hawgood, J. A., M.A., D.Lit.
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(English Hist.) Reader.

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Hilton, R. H., B.A., D.Phil. Oxon.
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Ph.D. Camb. (Govt.).
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Wightman, D. R., B.Sc. (Econ.)
Lond. (Economic Hist.).
Eversley, D. E. C., B.Sc. (Econ.)
Lond. (Economic Hist.).
Johnson, D. W. J., B.Litt. Oxon.
Asst. Lectr.

Italian

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

Jurisprudence, v. Law

Law

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(Jurisprudence) Barber
Prof.

Hargreaves, A. D., M.A., LL.B.
Camb. (Law) Barber Prof.

Grove, G. A., LL.M.
(Equity) Reader.

Camm, W. C., J.P., LL.M.
(Legal Ethics) Hon.
Reader.

Unger, J., LL.M. Lond. (Internat.
L.) Reader.

Lecturers

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Adams, D. S., LL.B., B.C.L. Oxon.

Homer, J. A., B.A., LL.B.

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(Trust Accounts, etc.).

Linguistics

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

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. Sr. Lectr.

Challinor, S. W., D.Sc. Edin.,
Ph.D.

Rainbow, C., Ph.D. Lectr.

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

Lecturers

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Dalitz, R. H., B.A. Melb., Ph.D.
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Yale.

Paneth, H. E., M.A. Oxon., Ph.D.
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Woodward, J. B., B.Sc.

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Mason Prof.

Lecturers

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

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

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

*Medicine, v. infra**Metallurgy*

Hanson, D., D.Sc. Liv., M.Sc.

Feeney Prof. and Direc-
tor of the Combined
Depts. of Physical,
Theoret. and Industr.
Metall

Metallurgy, Industrial

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F.I.M. Prof.

Lecturers

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

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

Ball, C. S., B.Met., Ph.D. Sheff.

Wilson, D. V., B.A. Camb.

Research Fellows

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

Pick, J. J., B.Eng. Met. Liv.
(Indust. Metall.).

Aitchison, L., D.Met. Sheff., B.Sc.
Lond., F.R.I.C., F.R.Ae.S.

Hon. Res. Fellow.

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., Ph.D., B.Sc.
(Physical Met.) Prof.

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Ko, T., B.Sc. Nat. Wuhan Univ.,
Ph.D.

Nabarro, F. R. N., M.A., B.Sc.
Oxon.

Varley, J. H. O., B.Sc.

Research Fellows (Theoretical
Metall.)

Bilby, B. A., Camb., Ph.D.

Churchman, A. T., Ph.D., B.Sc.

Paxton, H. W., M.Sc. Manc.

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

Williamson, G. K., Ph.D., B.Sc.

I.C.I. Res. Fellows

Wakeman, D. W., B.Sc., Ph.D.

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

Mineralogy, v. *Geology*

Mining (Coal and Metal)

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

Lecturers

Hancock, W., M.Sc., Ph.D.
(Mine Rescue) Lectr. and
Demr.

Graham, J. K. L. (Metal M.).

Cheetham, W. R., B.Sc.

(Coal M.).

Watson, W. B., B.Sc. (Coal M.).

..... (Coal Treatment).

..... (Metalliferous M.).

Burrows, B. B. B., B.Sc.

(Mine Surveying and M.).

Music

Lewis, A. C., M.A. Camb. and
Birm., Mus.B. Camb.

Peyton and Barber Prof.

Pearson, Nina, B.Mus. Lectr.

Cranmer, P., B.A., B.Mus. Oxon.,

F.R.C.O. Lectr.

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

Asst. Lectr.

Philosophy, Mental and Moral

Duncan-Jones, A. E., M.A. Camb.,
Ph.D. Prof.

Whiteley, C. H., M.A. Oxon.,
Ph.D. Lectr.

McCracken, D. J., M.A. Oxon. and
Belf., Ph.D. Belf. Lectr.

Mayo, B., M.A. Oxon. Lectr.

Physical Education

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

Lecturers

M'Intosh, P. C., B.A. Oxon.

Madders, M. A.

Knapp, Barbara N., M.Com.

Asst. Lecturers

Crowther, Mrs. Bertha.

Roberts, Christine D.

Slater, W. J.

Physics

Moon, P. B., M.A., Ph.D. Camb.,
M.Sc., F.R.S.

Poynting Prof. and Head
of Department.

Burcham, W. E., B.A., Ph.D. Camb.
(Physics) Oliver Lodge
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.I.P.

Dee, A. A., B.Sc. Lond., D.I.C.
Lond.

MacFadyen, K. A., M.Sc. Lond.,
F.I.P.

Knight, R. H., M.Sc.

Fremlin, J. H., M.A., Ph.D. Camb.,
F.I.P.

Robin, G. de Q., M.Sc. Melb.

Marshall, D. G., B.Sc., Ph.D.

Ramm, C. A., M.Sc. W. Aust.,
Ph.D.

Walker, J., B.Sc., Ph.D.

Garlick, G. F. J., B.Sc., Ph.D.,
F.I.P.

Bracher, D. F., B.Sc., Ph.D.

I.C.I. Research Fellows

Walker, D., M.Sc. N.Z., Ph.D.

Swallow, A. J., B.Sc., Ph.D.

Assistant Lecturer
Walters, Madeline C., 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. P.) Reader.

Barclay, J. A., M.A., B.Sc., M.B.,
Ch.B. Aberd.

(Renal P.) 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.,
M.Sc. (Physiol.).

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

White, C., M.B., Ch.B., M.Sc.
(Physiol.).

Brown, E. A., M.B., B.S. Lond.
(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, D. Mary, B.Sc.
(Physiol.) Asst. Lectr.

White, K., B.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.
Johnson, D. J. L., B.A.
Asst. Lectr.

Pascal, F., D.Phil. Berl.
Pt.-time Lectr.

Russian Economic Studies, v.
supra Economics and Insti-
tutions of the U.S.S.R.

Social Science and Sociology

Madge, C., M.A. Prof.

Kuper, L., LL.B. Rand., M.A.
N. Carolina (Sociol.) Lectr.

Part-time Lecturers

Murray, H., M.Sc. Sheff.

Reid, Sylvia, M.A. Dub.

Halstead, H., M.A. Camb.

Social Study

Madge, C., M.A. Director.

Fink, A. E., Ph.D. Prof.
(Visiting Fulbright Lectr.).

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

Cavenagh, Mrs. Winifred E., B.Sc.
(Econ.), D.P.A. Lond.

(Practical Studies) Lectr.
and Tutor.

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

Lectr. and Tutor

Spanish

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

Lecturers

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

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

Lora, J. Garcia, M.A.

Burns, Adelaide, M.A.

Temp. Pt.-time Asst.
Lectr.

Jarero, E.

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. Lectr.

Recognized Lecturers

Anderson, Rev. G. W., M.A. St.
And. and Camb.
Cobham, Rev. J. O., M.A. 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.
Herbert, Rev. A. S., M.A. Oxon.,
B.D. Lond.
Magill, Rev. W. B. B., B.A., B.D.
Dub.
Mitton, Rev. C. L., B.A. Manc.,
B.D., M.Th., Ph.D. Lond.
Watson, Rev. P. S., M.A. Durh.
and Camb., B.D. Camb.

Zoology and Comp. Anatomy

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

Lecturers

Roberts, J. I., D.Sc. Wales.
Yapp, W. B., M.A. Oxon.
Finlayson, L. H., B.Sc. Glas.,
Ph.D.
Gibson, R. J., B.Sc.
Llewellyn, J., M.Sc. Wales
Asst. Lectr.

Dentistry

Humphreys, H. F., O.B.E., M.C.,
T.D., D.L., Hon. LL.D. Glas.,
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., M.D.S.,
F.D.S. (D. Prosthetics) Prof.
Manley, E. B., M.Sc. Manc.,
B.D.S., F.D.S.
(Dental Path.) Prof.

Lecturers

Tavener, R. W. H., B.D.S.
(Operative D. Surg.).

Hardwick, J. L., Ph.D., 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., F.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.).
Heighway, H. E., B.D.S.
(Operative D. Surg.).
Wheatcroft, J. F., L.D.S.
(Operative D. Surg.).
Newman, P. A., L.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).
Marsland, E. A., Ph.D., B.D.S.
(D. Anat. and Histol.).
Wood, Helen M., B.Sc., M.B.,
Ch.B., D.A.
(General Anæsthetics 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

Day, A. J. W., B.D.S., H.D.D. Edin.
 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.
 Meek, H. M., L.D.S. (Radiology).

Medicine

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

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

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

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

Anæsthetics

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

University Clinical Lecturers

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

Mason, Helen S., M.B., Ch.B., D.A.

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

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

Welsh, Janet R.

Wood, Helen M., B.Sc., M.B., Ch.B., D.A.

Woodward, J. W., M.B., Ch.B., D.A.

Bacteriology

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

Lecturers

Laughton, Nancy, M.D., Ch.B., D.P.H.

Bisset, K. A., B.Sc., Ph.D., D.Sc. Edin.

Moore, F. W., B.Sc. Durh.

Cartwright, N. J., B.Sc., Ph.D. Sheff.

Conran, M. B., M.B., B.S. Lond.

Baines, S., B.Sc. Leeds.

Peeney, A. L. P. Hon. Lectr.

Grace, Joyce B., B.Sc.

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., D.L.O., F.R.C.S.

Strang, R. R. S., M.B., Ch.B. Glas., F.R.C.S.

Evans, R., M.D. Belf., D.L.O., F.R.C.S. Ed.

Forensic M. and Toxicology

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

.....

Lectr.

Gastroenterology

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

Infectious Diseases

McGarrity, J., M.D., D.P.H. Edin.
Lectr.

Medical Statistics

Hogben, L., M.A. Camb., D.Sc.
Lond., M.Sc., F.R.S. Prof.
Charles, Enid, M.A. Camb., Ph.D.
Cape T. (Demogr. and Vital
Stats.) Reader.
Waterhouse, J. A. H., M.A. Camb.,
Ph.D.

(Human Genetics) Lectr.

Padley, R., Ph.D. Edin., B.Com.
Lectr.

Taylor, W., B.Sc. (Econ.) Lond.
Pt.-time Lectr.

Cross, K. W., B.Sc., Ph.D.
Officer-in-Charge of Re-
cords.

Kemp, K. W., B.Sc.
(Vital Statistics) Asst.
Lectr

Medicine

Arnott, W. M., T.D., B.Sc.
Edin., M.D. Edin. and Birm.,
F.R.C.P., F.R.C.P.Ed.

William Withering Prof.

Cooke, W. T., M.A., M.D. Camb.,
F.R.C.P.

Reader and First Asst.

Crooke, A. C., M.A., M.D. Camb.
Reader.

Donald, K. W., D.S.C., M.A., M.D.
Camb. Reader.

Armitage, G. H., M.B., Ch.B.
Edin. Lectr.

..... (Infectious Dis.) Lectr.
Whitfield, A. G. W., M.D., Ch.B.

Lectr. and Clin. Lectr.

Tate, B. C., M.B.E., M.A., M.D.
Camb., F.R.C.P. (Dermatol.)

Lectr. and Clin. Lectr.

Univ. Clin. Lecturers

Ash, E. B., M.B.E., M.B., Ch.B.
(Dermatol.).

Assinder, E. W., M.D., Ch.B.
(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., M.D., Ch.B.
(Venereal Disease).

Malins, J. M., M.B., Ch.B.

Nagley, L., M.D. Leeds.

Parsons, C. G., M.A., M.D. Camb.,
F.R.C.P.

Sheldon, J. H., M.D. Lond.,
F.R.C.P.

Smallwood, W. C., M.B., Ch.B.,
F.R.C.P.

St. Johnston, C. R., M.D.

Tate, B. C., M.B.E., M.A., M.D.
Camb., F.R.C.P. (Dermatol.).

Taylor, A. B., M.D., F.R.C.P.

Thomson, Prof. A. P., M.C.,
M.D., F.R.C.P.

Whitfield, A. G. W., M.D., Ch.B.

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. (Neurol.)

Prof.

Hughes, E. Brodie, M.B., B.S.
Lond., Ch.M., F.R.C.S.

(Neurosurg.) Prof.

Elkes, J. J., M.D., M.B., Ch.B.
(Exper. Psychiatry) 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., B.Ch. Belf.,
D.P.M. Lond. (Psychiat.)

Lectr. and Clin. Lectr.

Small, J. M., F.R.C.S. (Neuro-
surg.) Clin. Lectr.

Turner, E. A., M.B., Ch.B. Glas.,
F.R.C.S. (Neurosurg.)
Clin. Lectr.

Obstetrics and Gynaecology

McLaren, H. C., M.D., Ch.B. Glas.,
F.R.C.S.Ed., F.R.F.P.S.Glas.
Prof.

Noble, M. J. D., M.B., Ch.B. Edin.,
F.R.C.S.Ed. First Asst.

Parker, R. B., M.B., Ch.B. Lectr.

Tait, F. Selby, M.B., Ch.B., F.R.C.S.
Lectr. and Clin. Lectr.

Davidson, S., A.F.C., M.B., Ch.B.
Edin., F.R.C.S.Ed.

Lectr. and Clin. Lectr.

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.

MacMillan, K., F.R.C.S.,
F.R.C.O.G.

Shotton, Dorothy M., 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.

Deacon, A. L., F.R.C.S.Ed.

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., T.D., M.D.
Edin. and Birm., F.R.C.P.

Prof.

Mackintosh, Jean M., M.D. Glas.,
D.P.H. Glas. and Ed., D.P.A.
Lond. Reader.

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.

Cohen, H. M., M.D., D.P.H.
(School Health) 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.

Smallwood, W. C., M.B., Ch.B.,
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., B.Ch.
Belf. Sr. Lectr.

Lecturers

Walton, K., M.D. Lond.

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

Stafford, J. L., M.B., Ch.B.

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

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

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

Woodhouse, D. L., Ph.D., M.Sc.,
F.R.I.C.

Lectr. and Sr. Res. Fellow
in Chem. Path. (Cancer
Res.).

Lasnitski, A., M.D. Berl., M.Sc.
(Cancer Res.)

Sr. Res. 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.

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

Pharmacology and Therapeutics

Frazer, A. C., M.B., B.S., Ph.D.,
D.Sc. Lond., M.D. (Pharm.)

Prof.

Thomson, A. P., M.C., M.D.,
F.R.C.P.

(Therapeutics) Prof.

Schneider, R., M.D. 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., Ph.D. Lond.
Lectr.

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

French, J. M., M.B., B.S. Lond.,
Ph.D., M.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, H., 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., F.F.R.

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.

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

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

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

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

Social Medicine

McKeown, T., B.A. Br. Col., Ph.D.

McG., D.Phil. Oxon., M.B.,
B.S. Lond., M.D. Prof.

Lecturers (Public Health)

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

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

Gibson, J. R., M.B., Ch.B. Glas.,
Ph.D., 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.

Reader and First Asst.

Morrissey, D. M., M.B., M.Ch.

N.U.I., F.R.C.S., F.R.C.S.Ed.

Lectr.

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.
Lond., F.R.C.S. Lectr.

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

Baines, G. H., M.A., M.B., B.Chir.
Camb., F.R.C.S.

Lectr. and Clin. Lectr.
..... (Minor Operative Surg.)
Lectr.

Leather, J. B., M.A., M.B., B.Chir.
Camb., F.R.C.S.Ed. (Ortho-
pædic Surg.)

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.C., 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.).

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

Edward Cadbury Lecturer in Theology

*1950—Prof. E. A. Milne, D.Sc.,
M.A., F.R.S.

1951—(Not given).

Huxley Lecturer

1950, 1951—(Not given).

Ingleby Lecturer

1950—Frances Braid, F.R.C.P.

1951—J. A. Stallworthy, M.A.,
F.R.C.S., F.R.C.O.G.

Sir Josiah Mason Lecturer

1950—Prof. I. Schapera, M.A.,
D.Sc.

1951—Prof. H. I. P. Hogbin, M.A.,
Ph.D.

Muirhead Lecturer

1950, 1951—(Not given).

Poynting Lecturer

1950, 1951—(Not given).

William Withering Lecturer

1950—Prof. H. M. Evans, M.D.

1951—Sir Edward Mellanby,
G.B.E., K.C.B., D.Sc., I.L.D.,
M.D., F.R.S., F.R.C.P.

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 Remedial
Educn. Centre.

Wall, W. D., B.A. Lond., Ph.D.

Reader in Educn. and
Deputy-Hd. of Re-
medial Educn. Centre.

Lecturers

Brearley, Molly, B.A.

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

* Owing to death of Prof. Milne before date of Lectures, these were not given
but have since been published.

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

Pringle, Mia L., B.A., Ph.D. Lond.
Wills, Mrs. Vera W., Social
Science Dipl.

Research Fellows
Collins, J. E., B.A. Melb.
Lunger, E. A., B.A. Oxon.

Bowden, Jean S., B.A. Syd., B.Ed.
Melb.

Extra-mural Department

Dudley, D. R., M.A.
Dir. of Extra - Mural
Studies and Sec. of Bd.
of Adult Educn.
Clark, R. T. Rundle, M.A.
Sr. Staff Tutor.
22 other full-time Tutors.

ADMINISTRATIVE AND OTHER STAFF

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.

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

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. Brist.

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

WARDENS OF HALLS OF RESIDENCE. Women Students: University House, Mrs. A. T. Marwick, M.A., Ph.D.; Men Students: Chancellor's Hall, P. C. Hordern, A.F.C., M.A. Oxon.; Chad Hill: L. G. Wigan, B.A. Oxon., B.Sc. Lond.

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 INSTITUTION

THE CITY OF BIRMINGHAM COMMERCIAL COLLEGE, Suffolk Street, Birmingham, 1. (Telephone: Mid. 6521.) Principal: A. M. B. Rule, M.B.E., M.A., LL.B. Students may attend classes in the College and pass the exams. prescribed for the degree of B.Com. at the end of the 1st Yr.'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 AND DEANS: Arts, Rev. Prof. Sparks (Theol.); Commerce and Social Science, Prof. G. Walker (Economics); Law, Prof. O. Hood Phillips (Jurisprud.); Science, Prof. F. H. Garner (Chem. Engin.); Medicine, Prof. A. P. Thomson.

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 400,000 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.). Sargent, rich in French econ. literature of *circa* 1830-60; Jesse Collings, some 350 books on agric. and land problems; Bunce, rich in 19th-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., D.D.; 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. 19), M.D., or Ch.M. B.A., with Honours, may be obtained in any one of the following Special

Schools : Classics, Ancient Hist. and Archæol., History, Engl., French, German, Italian, Russian, Spanish, Philos., Maths., Geog., Theol., Linguistics. Honours are also awarded in the General B.A. Examn., where sufficient merit is shown (*see* p. 9).

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

In the B.Com. courses one-third of the student's time may, if he chooses, be devoted to work in App. Sci. There is a 4 yrs.' B.Com. course for students entering at Inter. B.Sc. standard, the first 2 yrs. in the Fac. of Science and the remaining 2 yrs. in the Fac. of Commerce.

B.Sc. Honours in Pure Science (3 yrs.) may be taken in all subjects in the Faculty. There are Honour Schools in Maths., Mathematical Physics, Physics, Chem., Zool., Bot., Genetics, Bact., Geol., Geog., 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 1st yr. at any school or schools of Med. recognized by the Univ., and the Senate may recognize examns. passed therein as exempting from the 1st Med. examn. They may obtain the B.Sc. as well as their Med. degrees by devoting 7 yrs. instead of 6 to study in the Univ.

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

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

The D.Mus. or LL.D. may be taken 3 yrs. (D.Litt. 5 yrs.) after the M.A., M.Mus., M.Sc. or LL.M., or 5 yrs. (D.Litt. 7 yrs.) after the corresponding Bachelor's degree; D.Sc. 4 yrs. after M.Sc., or 3 yrs. after Ph.D. whichever time is shortest; B.D. 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; Commerce, 1 yr. for graduates of approved Univs. subject to approval by Faculty; Public Administration, 1 yr. for graduates (in any Faculty) of Univs. in the United Kingdom; Social Study, 1 yr. for graduates preparing for work in the Social Services; Higher Diploma in Social Study, 1 yr. after ordinary Diploma for graduates and other

approved persons; Malting and Brewing, 3 yrs., graduates 1 yr.; Theology, 1 full-time or 2 part-time academic sessions for graduates of approved Univs. or suitably qualified non-graduates; Engineering Production and Management Principles, 1-yr. postgrad. course; Diploma of Graduate Studies in: (a) Mechanical Engineering (1 yr.); (b) Chemical Engineering (1 or 2 yrs.); (c) Metallurgy (1 yr.); Education, 1 yr. full-time or 2 yrs. pt.-time.

CERTIFICATES. Postgraduate, in Education (1-yr. course), 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 research work in all faculties, formulates policies of research, obtains funds and co-operates with Govt. agencies and external bodies.

FEES. Matricn., £2. *Total Inclusive Fees payable for following Bachelors' Degrees, Diplomas and Certificates: For Bachelors' Degrees, including Intermediate or 1st-Yr. Course—B.A. or B.Mus., £140 : 4s.; B.D. (2 yrs.' graduate course), £58 : 2s.; B.Sc. (Pure Sci.), £105 : 3s.—£132 : 3s.; B.Sc. Appl. Sci. (Engin., Metall., Mining, Chem. Engin.), £235 : 4s.; Indust. Fermentation, £167 : 4s.; M.B., Ch.B., £276; B.D.S., £342 : 14s.; B.Com., £124 : 13s.; B.Com. (Soc. Study), £109 : 3s.; B.Com. for qualified Science Students, £153 : 4s.; LL.B., £57 : 3s. For Diplomas and Certificates—Diploma in Engin. Production and Management Principles, £71 : 1s.; Diploma in Graduate Studies, £71 : 1s.; Diploma in Public Health, including Certif., £68 : 5s., excluding Certif., £46 : 11s.; Certif. in Public Health, £26 : 19s.; Certif. in Educn., 1-yr. course, £44 : 1s.; Diploma in Psychol. of Childhood, £44 : 1s.; Postgraduate Diploma in Educational Psychol., £56 : 1s.; Diploma in Education, £36 : 1s.; Diploma in Theol., £20 : 1s.; Diploma in Malting and Brewing, £138 : 3s.; Postgraduate Diploma in Malting and Brewing, £46 : 1s.; Certif. in Malting and Brewing, £92 : 2s.; Certif. in Malting, £92 : 2s.; Graduates Commerce Diploma, £35 : 1s.; Diploma in Public Administration, £35 : 1s.; Social Study Diploma (Separate Class Fees); Social Study Certificate, £31 : 1s.; Child Service Certificate, £51 : 1s.; Laboratory Research Fees—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, for which see Appendix II.

RESIDENCE. For Wardens see "Administrative and other Staff," p. 39. For women there is a Hall of Residence—Univ. House, Edgbaston Park Rd. (150 students), with grounds of 3½ acres; fees: 100 gs. to 115 gs. per session. For men—Chancellor's Hall, Augustus Road, Edgbaston (96 students), with grounds of 7 acres; fees: from £2 : 17 : 6 to 3 gs. a week during full term. Chad Hill, 125 Harborne Road, Birmingham, 15 (32 students), mainly intended for graduate and research students; large garden; fees: from £2 : 12 : 6 to £3 : 10s. per week, plus small extras.

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

APPOINTMENTS BOARD. (For Officers see "Administrative and other Staff," p. 39.) The functions of the Board are to provide information and advice on careers and to assist graduates of the University to obtain suitable employment. The services of the Board are available without charge to all graduates and undergraduates of the University

1950. 130 permanent appointments, including: Government and quasi-Govt. service, 19; Scientists in industry, 53; Non-Scientists in industry, 38; Teaching, 13; Miscellaneous, 7.

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

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

BIRMINGHAM UNIVERSITY AIR SQUADRON. The purpose of the U.A.S. is to provide training during their Univ. careers for students of the University who are eligible for membership and wish to prepare themselves for commissioned service in regular or non-regular Air Forces. Certain classes of undergraduates are accepted for service in the G.D. Branch or the Technical Branch of the R.A.F. or its Reserves. Further information from the C.O., University Air Squadron, The University, Edgbaston, Birmingham, 15. (*Telephone*: Selly Oak 1181.)

UNIVERSITY HEALTH SERVICE. The purpose of this service, which is administered by a full-time Univ. Medical Officer with one full-time and one pt.-time Asst. Medical Officers, is to reassure students about the state of their health, to offer them opportunities for maintaining and improving it, and to help to secure early treatment for any disorders which may occur. All freshmen, excepting those eligible for exemption under the regulations, are required to attend for a routine Medical overhaul and to have a chest X-ray; Medical and Dental students are required to have an annual chest X-ray. The Univ. Medical Officers can accept re-registrations under the National Health Scheme from students who are away from home for more than half the year. The consulting rooms are at 97 Oakfield Road, Selly Park, Birmingham (*Telephone*: Sel 0731), where dental and ophthalmic treatment under the National Health is also available and three beds are maintained for the care of minor illness. Students are free to register with a practitioner in the town if they wish, but they are not then entitled to Medical treatment from the Univ. Medical Officers.

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

Union, Univ. Guild Club and Univ. Athletic Union. There is full, associate, external and hon. life membership.

UNION AND UNIVERSITY GUILD CLUB. All members of Guild of Undergraduates are entitled to use of the Union, which adjoins the University Buildings at Edgbaston, and to the Guild Club at the University Building, Edmund Street. Accommodation at the Union includes large Hall fitted with stage, Common Rooms, Writing, Tea and Gramophone Rooms, and a Library. Women's section contains Common Room and extensive Cloakroom accommodation; Men's section a Lounge and Bar, Billiard Room, Bath Rooms, etc. The Guild Club has a Founder's Room, Lounge, Writing, Billiard and Table Tennis Rooms, Bar and Refectory.

UNIVERSITY ATHLETIC UNION. Membership of Union open to full and associate members of Guild of Undergraduates provided they are amateurs. The Union includes following clubs: *For men*: Association and Rugby Football, Boxing, Fencing, Golf. *For women*: Lacrosse, Netball. *For men and women*: Athletics, Basketball, Badminton, Cricket, Hockey, Tennis, Swimming, Table Tennis, Squash Racquets, Mountaineering, Rifle. Extensive grounds, with Pavilion, are at the service of the Athletic Union.

VACATION COURSES. A six weeks' Summer School on Shakespeare and Elizabethan Lit. is held annually at Stratford-upon-Avon during July and August. It is concerned with the detailed study of Elizabethan and Jacobean drama and theatre with particular reference to Shakespeare, together with the historical and cultural background of the plays. A specialist seminar on Bibliography and Source Material is arranged for those actively engaged on graduate work. The Summer School is primarily intended for graduates and other advanced students from British, American and European Universities who have specialized in Elizabethan and Jacobean lit. Applications considered from undergraduates of good academic standing. The Extra-mural Dept. also arranges a number of summer courses at Attingham Park and Westham House, the two residential colleges for adult educn. in the W. Midlands. These are usually concerned with Local History, Music and Natural History. Under the supervision of a Committee of Management appointed by the Joint Cttee. of the Univ. of Birmingham with the Workers' Educational Association a vacation course is held for 2 weeks, usually during the first 2 weeks in August, at the Teachers' Training Coll., Hereford. Seminars are arranged for the study of the following subjects: Art Appreciation, Drama, Economics, English Lit. (Poetry and Prose), Human Geog., Industrial Relations, Local Govt., Musical Appreciation, Philos., Psychol. and Science.

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 W. 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. Midlands area under the general responsibility of the Univ., and to recommend to the Ministry of Educn. for qualification those students who have satisfactorily completed their training. A Certificate in Educn. is granted to students after a 1-yr. postgraduate course. 1-yr. full-time or 2-yrs. pt.-time course for Diploma in Educn. has been instituted, and is

open to qualified teachers with not less than 5 yrs.' approved professional experience.

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. (*Telephone*: Calthorpe 2332.)

PUBLICATIONS. (a) *Annual*.—*Calendar* (Oct.), 5s., plus 6d. postage; Faculty and Departmental *Syllabuses* and *pamphlets* (Summer Term); *Report of Joint Standing Cttee. for Research* (Feb.); *Report of Director of Extra-mural Studies*; *Report of Univ. Appts. Board*; *Medical Graduates' News-letter*; *Univ. of Birmingham Historical Journal* (Autumn Term), 10s. 6d.; *Shakespeare Survey* (Feb.), 12s. 6d.; *English and Germanic Studies*, 10s. 6d.; Previous Examination Papers (April): Science and Arts, 2s. 3d. each per set (postage extra), Med., Commerce and Law, 1s. 3d. each per set (postage extra); *Scholarship pamphlet*. (b) *Introduction to a University*, 1s. post free; *Registers of Degrees, Diplomas and Certificates*: awarded 1900–35, 1s. post free; awarded 1936–47 (o.p.); *Educational Review* (each term), 5s.; *Univ. of Birmingham Gazette* (monthly), annual sub., 5s.; *Bulletins on Soviet Economic Development* (quarterly) £1: 10s. per series (4 issues). (c) Student publications.—*Carnival Magazine* (annual), price varies; *Guild of Undergraduates Diary* (annual), 4s.; *The Mermaid* (each term), 1s.; *Guild News* (weekly), 2d.; *Queen's Medical Magazine* (each term), 2s.; *Guild of Graduates News-letter* (annual); *Univ. of Birmingham Mining Society Mining Technical Magazine* (annual), 2s. 6d.; *Birmingham Univ. Chemical Engineer* (each term), annual sub., 6s. *Histories*: *Souvenir History of the Foundation and Development of the Mason Science College and of the University of Birmingham, 1880–1930*, by Prof. F. W. Burstall and C. G. Burton. *The Medical School of the University of Birmingham*, by Stanley Barnes (1938); *The University of Birmingham*, a short history by Emeritus Prof. A. M. D. Hughes (1950).

THE YEAR 1949–50

JUBILEE CELEBRATIONS. On May 4 and 5, 1950, the Univ. celebrated the Jubilee of the Granting of its Charter of Incorporation. A Dinner was held on the evening of the 4th, the company of more than 400 guests including representatives of Univs. in Britain and all parts of the Commonwealth, learned societies and civic and industrial life in the Midlands. On the 5th a special Degree Congregation was held at which degrees were conferred by the Chancellor of the Univ. on a number of distinguished guests. This was followed by a luncheon for the Honorary Graduates, Official Delegates and members of the Univ. Council. During the afternoon, depts. of the Univ. were open for inspection and in the evening a Reception and Dance took place in the Great Hall at the Univ., Edgbaston.

BENEFACTIONS. Chief items: For general purposes—Estate of W. Affleck, decd., £1000; for Scholps.—I.C.I. Ltd., £4800*; J. Brockhouse & Co. Ltd., £4550*; Tube Investments Ltd., £3000*; Wrights Ropes Ltd., £814*; Estate of Florence Hughes, decd., £754; A. C. Wickman Ltd., £750*; Austin Motor Co. Ltd., £600*; Bakelite Ltd., £500; for Res.—Nuffield Foundation, £5000; Rationalist Press Asscn. £300; Estate of Miss E. A. Taylor, decd., £256; for Fellowship—Tube Investments Ltd., £1500; for Postgraduate

* Instalment under Deed of Covenant.

Travelling Studentship in Surg.—Anon., £1714; for Chair of Social Med.—Nuffield Provincial Hospitals Trust, £1500; for Student Maintenance—(Dept. of Engin. Production), Sir Peter F. Bennett, £1430*; for Coal Utilization—Simon-Carves Ltd., £328*; for Vice-Chancellor's Fund—Anon., £1000; C. H. Foyle Trust, £452; for Medical Students' Fund—Estate of Clara A. Barling, decd., £952; for Students' Fund—Fentham's Trust, £1156; for Prize Fund—Estate of C. A. Raison, decd., £1813.

NEW BUILDINGS. Bdgs. completed: Aitchison Labs. in Dept. of Industrial Metall.; Anatomical Res. Labs. in Dept. of Anat. at Medical School, Edgbaston; Hilda Lloyd Hostel at Dudley Rd. Hospital, built as residence for students training in Obstetrics; reconstruction of bombed premises at the Univ. Bdgs. in City Centre. The labs. in Stage 1 of the new bdgs. for Mech. Engin. were completed and occupied and work on Stage 2 is in progress. Extensions to Students' Union nearing completion. Chad Hill, Harborne Road, Edgbaston, formerly used as Guest House, purchased and adapted as Hall of Residence, primarily for postgraduate students. Univ. Staff Club, Westmere, Edgbaston Park Road, completed and officially opened. House purchased in Oakfield Road, Selly Park, as temp. accommodation for Univ. Health Service. Orlit Hut extensions to Harding Library, Edgbaston, completed.

NEW DEPARTMENTS AND POSTS. Chair of Social Science. Readerships in Entomol., Electro-Magnetism and Obstet. and Gynæcol. Lectureships in Mech. Engin. (2), Engin. Production (2), Mining (3), Industrial Fermentation (1), Geol. (1), Anat. (2), Bacteriol. (1), Physiol. (1), Pharmacol. (2), Pædiatrics (1), Dental Surg. (2), Commerce (2); Res. Fellowships and Associateships in Metall. (2), Mathematical Physics (1), Educ. (1), Commerce (3), Anat. (1); Asst. Lectureships in Bacteriol. (1), French (1), Physiol. (1), Genetics (1); Extra-mural Dept. (1 Staff Tutor, 2 Resident Tutors).

PRINCIPAL CHANGES IN REGULATIONS. (a) Entrance requirements and regulations governing exemption from 1st-Yr. Courses revised in accordance with new General Certificate, to come into force in session 1950–51. (b) Science: Graduates of this Univ. may now become candidates for the degree of D.Sc. after not less than 5 academic yrs. from graduation as Bachelor, or 4 yrs. (instead of 3 yrs.) from degree of Master or 3 yrs. from degree of Ph.D. whichever time is the shortest. Graduates of other approved Univs. may now apply for permission to submit work for D.Sc. after not less than 2 yrs.' postgraduate work in this Univ. provided they have at least 5 yrs.' standing from B.Sc. 1-yr. postgraduate courses for following Dipls. instituted: (i) Dipl. in Engin. Production and Management Principles, (ii) Dipl. in Graduate Studies in Mechanical Engin., Chem. Engin. (1 or 2 yrs.) or Metall. Course leading to Joint Coal-Mining Dipl. of Univs. of Oxford, Birmingham and Cambridge discontinued. (c) Med.: Regulations for degrees of M.D., Ch.M. and M.D.S. revised to take effect from October 1, 1950; period of 5 yrs. (instead of 2 yrs.) now necessary between date of passing appropriate Bachelor's degree and becoming candidate for these higher degrees. Regulations for Ph.D. in Fac. of Medicine brought into line with those for Ph.D. in Science. Revised regulations for B.D.S. approved. Dipl. in Dental Surg. to be abolished as from October 1951. Clinical Prizes in Med., Surg., Obstetrics and Gynæcol. and Pædiatrics and Child Health also abolished. List of Hospitals in Midlands area where Birmingham Medical students will do period of Internship under Medical Act, 1950, arranged and sent to G.M.C. for approval; this will extend present

* Instalment under Deed of Covenant.

medical course by a further yr. (d) Inst. of Educn.—1-yr. full-time or 2-yrs. pt.-time course for Dipl. in Educn. instituted.

EXTRA-MURAL WORK. Further expansion during yr. 2 new Resident Tutors were apptd. in S. Shropshire and W. Birmingham, and a Staff Tutor in Geog. The fourth 6-wks. Summer School on Shakespeare and Elizabethan Lit. was held at Stratford-upon-Avon. Other Summer Schools were arranged:—A Field Study course in Pembrokeshire, a Local Studies course at Attingham Park, study tours to Italy and Norway and a joint school with the W.E.A. at Hereford. A programme of courses dealing with the Renaissance was held in Coventry. Another new development was a Survey of the W. Midlands, undertaken in association with the Dept. of Archaeol. Series of concerts organized in various centres in collaboration with Arts Council. Residential courses continued to expand at Attingham Park, Westham House and at Primrose Hill, the Univ. Centre for Continued Studies.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. C. E. H. Bawn, Liverpool, "Oxidation of Aldehydes in Solution." Dr. J. K. N. Jones, Bristol, "The Separation and Determination of Sugars and their Derivatives." Prof. E. K. Rideal, King's Coll., London, "How Crystals Grow." Dr. R. S. Tipson, Mellon Inst., Univ. of Pittsburgh, "The Methods and Scope of Recrystallization." Prof. C. A. Coulson, King's Coll., London, "The Shape of the Chemical Bond." Prof. S. Peat, Univ. Coll. of N. Wales, Bangor, "Haworth Memorial Lecture." Dr. D. G. Catcheside, Cambridge, "Biochemical Genetics of Neurospora." Prof. Llewellyn-Jones, Univ. Coll., Swansea, "Electric Discharges." Prof. J. M. Juran, New York Univ., (i) "The Management Control Panel," (ii) "Control of the Quality of Production." Dr. K. H. Jack, King's Coll., Newcastle upon Tyne, "Nitrogen Martensite." E. Orowan, Fellow of King's Coll., Cambridge, "Creep in Metals." P. Beck, Univ. of Notre-Dame, Indiana, "Recrystallization." Prof. L. Hotson, Fulbright Scholar, (i) "Thoughts on Interpreting," (ii) "Glossing the Elizabethans." Prof. R. W. Zandvoort, Groningen, (i) "Two lectures on *Macbeth*," (ii) "Everyman—Elckerlyc," (iii) "Leiden Riddle." Prof. R. Martin, Montpellier, (i) "Two lectures on Gray," (ii) "Two lectures on *Macbeth*." Prof. Pierre Jourda, Montpellier, (a) "Marot" (2 lectures), (b) "La Fontaine" (3 lectures), (c) "La Bruyère" (3 lectures), (d) "Marguerite de Navarre" (2 lectures), (e) "Le Roman français du vingtième siècle" (2 lectures), (f) "Stendhal" (2 lectures), (g) "*La Peste*" de Camus (lecture expliquée) (1 lecture). (h) "Élégie contre les bûcherons de la forêt de Gâtine" de Ronsard (lecture expliquée) (1 lecture), (i) "La France en 1951." Prof. L. A. Willoughby, London, "Goethe." Dr. E. Mary Wilkinson, London, "Thomas Mann." Prof. B. Fairley, Toronto, (i) "Heinrich Heine," (ii) "Wilhelm Raabe." Dr. Margaret Mead, Columbia, "Mason Lectures." Henry Cohen, City College, N.Y., "Sociology."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. R. E. Peierls, Birm. Central Tech. Coll., (i) "Atomic Energy," (ii) "Units and Dimensions." Prof. M. Stacey, (a) Nottingham, "Organic Fluorine Compounds," (b) Bristol, "Organic Fluorine Compounds," (c) Dublin, "Deoxy Sugars and Nucleic Acid," (d) Cork, "Deoxy Sugars and Nucleic Acid," (e) Galway, (i) "Bacterial Nucleic Acids," (ii) "Organic Fluorine Compounds," Manchester, "Deoxy Sugars." Prof. H. W. Melville, (a) Turin, "Copolymerization," (b) Sheffield, "Breakdown of High Polymer Substances," (c) Queen Mary Coll., London, "Breakdown of High Polymeric Molecules," (d) Manchester, "High Polymers." Prof. P. B. Medawar, (a) Harvard, "Prather Lectures 1949," (b) Yale, "Woodward Lecture." Prof. T. U. Matthew, (a) Glasgow, "Work Study and Productivity," (b) College of Technology, Birm., "Recent Developments in Management

Practice in the United States." Prof. G. V. Raynor, (a) Imperial Coll., London, "The Electric Structure of Transitional Metals," (b) Cambridge, "Inter-metallic Compounds and Valency." Prof. A. H. Cottrell, (a) Imperial Coll., London, "Theory of Dislocations," (b) M.I.T., "The Yield Point in Single Crystals and Polycrystalline Metals," (c) Melton Inst., Univ. of Pittsburgh, "The Yield Point in Single Crystals and Polycrystalline Metals," (d) Univs. of Yale, Notre-Dame, Chicago and Urbana, "Creep and Recovery in Zinc Crystals." B. A. Bilby, Oxford, "Mechanical Properties of Metals with Special Reference to Dislocation Theory." Prof. R. Pascal, Oesterreich Kollege, Austria, "Sturm und Drang." Prof. F. A. R. Stammers, Edinburgh, "Pain in the Arm resulting from Mechanisms in the Costo-Clavicular Space." Prof. Hogben, Oxford, "Principles of Medical Documentation." Prof. E. B. Manley, (a) Leeds Dental School, "Recent Investigations into Enamel Structure." (b) Bristol Dental School, "Histological Approach to the Initial Attack of Dental Caries." Prof. J. Osborne, (a) Newcastle upon Tyne Dental School, "Partial Dentures" (3 days' postgraduate course), (b) Royal Dental Hospital, London, London Hospital, "Recording Occlusion." J. G. Picton, Leeds, "The Industrial Prospect." F. H. Hahn, Manchester, "Trade Cycle."

RETIREMENTS. Prof. C. Batho (Civil Engin.); Prof. L. J. Russell (Philos.).

RESIGNATIONS. Prof. M. L. E. Oliphant (Prof. and Dir. of Dept. of Physics), on appt. as Dir. of Postgraduate Res. in School of Physical Sciences at Australia National Univ.; Prof. Hilda Lloyd (Prof. of Obstet. and Gynæcol.); Dr. J. H. Moseley (Lectr. and First Asst. in Pædiatrics), on appt. as Pædiatrician to the Southampton Group of Hospitals; Dr. H. Scarborough (Reader in Med.), on appt. to Chair of Med. at the Welsh National School of Med.; Dr. H. B. Whittington (Reader in Palæontol.), on appt. as Assoc. Prof., Museum of Comparative Zool., Harvard; Dr. A. J. Francis (Lectr. in Civil Engin.), on appt. to Chair of Civil Engin. at Univ. of Melbourne; Dr. R. C. Knight (Lectr. in French), on appt. to Chair of French at Univ. Coll. of S. Wales, Swansea; Dr. J. S. Wood (Lectr. in French), on appt. as Assoc. Prof. of French, Univ. of Toronto; Miss M. B. Alexander (Lectr. in Educn.); Dr. R. E. Billingham (Lectr. in Zool.); H. R. Gregory (Lectr. in Civil Engin.); Dr. W. H. Hall (Lectr. in Metall.); F. C. Hayes (Lectr. in German); Dr. C. N. Iland (Lectr. in Bacteriol.); A. Innes (Lectr. in Minor Operative Surg.); Dr. M. Krook (Lectr. in Math. Physics); Miss D. Lampard (Lectr. in Educn.); R. W. S. Mitchell (Lectr. in Mech. Engin.); Dr. I. Parrott (Lectr. in Music); Mrs. O. Hood Phillips (Lectr. in Educn.); J. C. Rees (Lectr. in Commerce); Dr. W. Rostoker (Lectr. in Industr. Metall.); Miss M. Sturt (Lectr. in Educn.); Dr. O. Craig (Temp. Lectr. in Anat.); R. A. Dodd (Res. Fellow in Industr. Metall.); Dr. D. F. Gibbons (Res. Fellow in Metall.); J. Lindhard (Res. Fellow in Math. Physics); W. J. Swiatecki (Res. Fellow in Math. Physics); J. K. G. Taylor (Res. Assoc. in Hist.); Miss R. English (Asst. Lectr. in Russian); H. J. Lake (Asst. Lectr. in Biochem.); D. Mulgan (Asst. Lectr. in Music); Mrs. M. D. Neale (Asst. Lectr. in Phys. Educn.); Mrs. S. D. Rimmer (Staff Tutor, Extra-mural Dept.); D. C. Rowan (Asst. Lectr. in Commerce); Miss I. R. Salzberger (Asst. Lectr. in Social Study); A. H. Ward (Asst. Lectr. in Physics); Dr. R. S. Wilson (Asst. Lectr. in Physics).

DEATHS. Rev. Canon S. Blofeld (Life Governor); Alderman H. Roberts (Member of Council); Emeritus Prof. Sir Norman Haworth (Chem.); Emeritus Prof. T. Wilson (Obstet. and Gynæcol.); Emeritus Prof. T. Turner (Metall.); Dr. C. E. Purslow (formerly Lectr. in Midwifery and Diseases of Women); B. J. Ward (formerly Lectr. in Clin. Surg.); Dr. N. Bachtin (Lectr. in Linguistics); Dr. J. S. Gooden (Sr. Res. Fellow in Physics).

HONORARY DEGREES. (a) At a special Degree Congregation held on May 5, 1950, on the occasion of the Jubilee celebrating the fiftieth anniversary of the granting of the Charter to the Univ.: *LL.D.*—H.R.H. Princess Alice, Countess of Athlone; H.E. the U.S. Ambassador, the Hon. Lewis Douglas; E. P. Beale, formerly Treasurer and Pro-Chancellor of the Univ.; Sir Peter F. B. Bennett, leading Industrialist and Governor of the Univ. and of Imperial Coll. of Science and Technol.; Brigadier R. H. Anstruther-Gough-Calthorpe, Scholar, Solicitor and member of distinguished family of benefactors to the Univ.; C. D. Medley, Lawyer, Chairman of Trustees of Barber Inst. of Fine Arts at the Univ. and of the Guardian Assurance Co. *D.Litt.*—Sir Barry V. Jackson, Author and Playwright, Governor of the Old Vic, of Sadler's Wells and of the Stratford Memorial Theatre, Founder and Dir. of the Birmingham Rep. Theatre; Dr. Francis Brett Young, graduate in Med. of the Univ., distinguished Writer and Novelist. *M.A.*—P. B. Chatwin, Archæologist and Historian. (b) At a special Degree Ceremony held in connexion with the visit to Birmingham of the British Association: *D.Sc.*—Sir Harold Hartley, President of the British Association in 1950. (c) At a Degree Congregation on July 1, 1950: *D.Sc.*—L. Colebrook, formerly Director of the Burns Unit of the Birmingham Accident Hospital; H. M. Evans, Dir. of the Inst. of Experimental Biol., Univ. of California; M. L. E. Oliphant, formerly Poynting Prof. and Dir. of the Dept. of Physics, Univ. of Birmingham. *LL.D.*—J. F. Mountford, Vice-Chancellor of Univ. of Liverpool. *D.Litt.*—S. Morison, Typographical Adviser of *The Times*; W. Notestein, Sterling Prof. of English Hist. at Yale Univ.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	163	2581
Women	395	812
Total	558	3393

Included in the above are 487 postgraduate students (51 part-time and 436 full-time) and 1016 first-year (full-time) admissions.

DEGREES. B.A., 191; B.Mus., 2; M.A., 13; B.Com., 47; M.Com., 3; B.D.S., 2; LL.B., 27; LL.M., 1; M.B., Ch.B., 57; Ch.M., 2; M.D., 3; B.Sc., 340; M.Sc., 15; D.Sc., 2; Ph.D. (all Facs.), 64.

UNIVERSITY OF BRISTOL *

Founded 1909

Postal Address : The University, Bristol, 8. Telephone : Bristol 24161.

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., LL.D.
Rhodes.

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—J. S. COX, M.A. Oxon.

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

BURSAR—C. M. SINGER, B.A. Oxon.

FINANCE OFFICER—D. C. A. SMITH.

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.

Lecturers

Field, E. J., M.D., M.S. Durh.

Robinson, Frances B., M.D., Ch.B.
Birm.

Metcalf, W. K., M.B., B.S. Durh.

Demonstrators

Ancill, R. J., M.B., Ch.B.

Smith, B. O., M.B., Ch.B. Lond.

Holt, J. A. G., M.B., Ch.B.

Aramaic, v. Oriental Languages

Botany, v. also Assoc. Instns.

Skene, M., D.Sc. Aberd.

Melville Wills Prof.

Hawker, Lilian E., D.Sc., Ph.D.
Lond. (Mycol.) Reader.

Yemm, E. W., B.A., D.Phil. Oxon.
Reader.

Lecturers

Fraymouth, Joan, M.Sc. Lond.

Hope-Simpson, J. F., M.A., D.Phil.
Oxon.

Folkes, B. F., B.Sc., Ph.D.

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

Willis, A. J., B.Sc., Ph.D.

Demonstrators

Nicholls, Valerie O., B.Sc.

Mawdsley, Florence, B.Sc.

1 Recogd. teacher in Gardening.

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.

Pollard, F. H., B.Sc., Ph.D.

Sr. Lectr

Maxted, E. B., D.Sc. Lond., Ph.D.

Berl. (Catalysis) Sp. Lectr.

Lecturers

Coates, G. E., M.A., B.Sc. Oxon.

Eley, D. D., M.Sc., Ph.D. Manc.

(Biophys. Chem.) Reader.

Dunning, Kathleen W., B.Sc.
Lond.

Gray, T. J., B.Sc., Ph.D.

McOmie, J. F. W., M.A., D.Phil.
Oxon.

Ollis, W. D., B.Sc., Ph.D.

Seymour, R. C., B.Sc.

Stone, F. S., B.Sc.

Hough, L., Ph.D. Manc.

Asst. Lectr.

King, Annie M., Ph.D. Res. 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.

Couper, A., B.Sc., Ph.D. Lectr.

Tiley, P. F., B.Sc. Jr. Fellow.

Classics

Kitto, H. D. F., B.A. Camb.

(Greek) H. O. Wills Prof.

Beare, W., M.A. Dub. (Latin) Prof.

Eichholz, D. E., M.A. Camb.

Sr. Lectr.

Gulley, N., M.A. Oxon. Lectr.

Maclaren, K., B.A. Camb. Lectr.

Tester, S. J., B.A. Lond.

Asst. Lectr.

Dentistry, v. *infra*

Domestic Science, v. also Assoc.
Instns.

Taylor, M. Burella, M.A. Lectr.

Byett, Jessica D., B.Sc. Lond.

Tutor.

Drama

Kitto, H. D. F., B.A. Camb.

Prof.

Wickham, G. W. G., B.A. Oxon.

Lectr.

Stanley, F.

Sp. Lectr.

Economics

Dickinson, H. D., M.A. Camb.

Prof.

Tress, R. C., B.Sc. (Econ.) Lond.

(Pol. Econ.) Prof.

Dawe, C. V., M.Com. Leeds, Ph.D.

(Agricultural E.) Sr. Lectr.

Lecturers

Magee, B. J. T., B.Com. Lond.

(Accountancy).

Fleming, J. M., B.Com.Sc. Belf.

Milne, R. S., M.A. Oxon. (Govt.).

Giles, B. D., M.A. Oxon.

Research Fellows

Madge, J., M.A. Camb.

Liepmann, Kate, Ph.D. Lond.

Bracey, H. E., M.Sc., Ph.D. Lond.

(Social Studies).

Mackenzie, H. C. H., M.A. St. And.

Assistant Lecturers

Wheelwright, E. L., M.A. St.

And.

Cornwell, S. V. P., M.A. Oxon.

(Accountancy).

Brooman, F. S., M.A. Oxon.

Res. Asst.

Education

Fletcher, B. A., M.A., B.Sc. Lond.

Prof.

Wilson, R. C., M.A. Oxon. Prof.

Jones, F. C., M.A., Ph.D. Reader.
Butcher, Emily E., M.A. Sr. Lectr.

Lecturers

Sharp, Margaret, M.A., Ph.D.
Manc. (Mediæval H.).
Evans, E. W., C.M.G., B.A. Oxon.
(Colonial H.).
McGrath, P. V., M.A. Lond.
Ross, C. D., M.A., D.Phil. Oxon.
Sherborne, J. W., B.A. Oxon.

Horticultural Science

Bond, T. E. T., M.Sc. Reading,
Ph.D. Camb. Sr. Lectr.
Smith, Nancy M., B.Sc. (Hort.),
Lond. Lectr.
1 Recognized Teacher.

Law

Lewis, M. M., M.A., LL.B. Camb.
Prof.
Coutts, J. A., M.A., LL.B.
(Jurisprudence) Prof.

Lecturers

Bain, K. H., LL.B. Lond.
Forrest, G. A., M.A. Oxon.
Grodecki, J. K., B.A. Oxon.
Pitt, F. W. C., LL.B.
Mackeson, J. F., B.A. Camb.

Mathematics, Applied

Howarth, L., M.A., Ph.D. Camb.,
F.R.S. Prof.
Stewartson, K., M.A. Camb.
Lectr.
Chester, W., M.Sc., Ph.D. Manc.
Lectr.
Wilkinson, J. W., B.A. Camb.
Jr. Fellow.

Mathematics, Pure

Heilbronn, H. A., M.A. Camb.,
Ph.D. Gött., F.R.S.
H. O. Wills Prof.
Todd, H., B.A. Camb. Sr. Lectr.
Vint, J., M.A. Belf. Sr. Lectr.
Lecturers
Davis, C. S., M.Sc., Ph.D. Syd.
Shepherdson, J. C., B.A. Camb.
Thurston, H. A., M.A. Camb.

Mostyn, J. G., B.Sc. Liv.
Asst. Lectr.

Mathematics, Theoretical Mech-
anics, v. Engineering, infra

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.
Mobbs, K. W., M.A., Mus.B.
Camb. Asst. Lectr.

Oriental Languages

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

Philosophy

Field, G. C., M.A., D.Litt. Oxon.,
F.B.A. Prof.
Carré, M. H., M.A. Oxon.
Reader.
Körner, S., Ph.D. Camb., M.A.
Lectr.

Physical Training

Williams, A. I. J., B.A. Oxon.
(Men) Lectr. and Instr.
Turner, Daphne G.
(Women) Lectr. and
Instr.

Physics, v. also Chem., Physical

Mott, N. F., M.A. Camb., D.Sc.
Louvain and Grenoble, 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. Prof.
Mitchell, J. W., M.Sc. N.Z.,
D.Phil. Oxon. (Exper. P.)
Reader.
Polder, D., Ph.D. Leiden Reader.

Frank, F. C., B.A., B.Sc., D.Phil.
Oxon. 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.

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., Ph.D.
Camb.

Fowler, P. H., B.Sc.

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.

Perkins, D. H., B.Sc., Ph.D. Lond.

G. A. Wills Res. Assoc.

Heitler, H., Ph.D. Res. Asst.

Hingley, Margaret, B.Sc.

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.
(Psychol.)

Bach, S. J., Ph.D. Camb.
(Chemical Physiol.)

..... Demr.
1 Recognized Teacher.

Psychology

Drew, G. C., M.A. Prof.

Bowyer, Laura R., M.A., Ed.B.
Glas., B.Sc. (Econ.) Lond.

Lectr.

Hall, K. R. L., M.A., D.Phil.
Oxon. Lectr.

Macleod, J. Winifred, M.A. Glas.,

B.Litt. Oxon. Sp. Lectr.

George, F. H., B.A. Camb.
Asst. Lectr.

Religious Knowledge

3 Recognized Teachers

For Univ. Staff, v. *infra* Assoc.
Instns.

Social Work, Theory and Practice of

2 Recognized Teachers.

Syriac, v. Oriental Languages

Zoology

Harris, J. E., M.A., Ph.D. Camb.
Prof.

Kitching, J. A., M.A. Camb.,
Ph.D. Lond. Reader.

Hinton, H. E., B.Sc. California,
Ph.D. Camb.

(Entomol.) Reader.

Jenkin, Penelope M., M.A. Camb.
Sr. Lectr.

Lecturers

Sloane, J. F., B.Sc. Glas.

Bassindale, R., M.Sc. Sheff.

Crofton, H. D., B.Sc., Ph.D. Durh.
(Parasitol.)

Whiting, H. P., M.A., Ph.D.
Camb. (Vert.)

Moore, N. W., B.A. Camb.

Fraser, Phyllis G., B.Sc.
Jr. Fellow.

Morris, Lydia, B.Sc. Res. Asst.

Dentistry*Children's Dentistry*

- Johnson, W. T., L.D.S. (Orthod.)
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 Jurisprudence

- Wells, J., L.D.S., H.D.D. Edin.,
F.D.S.R.C.S. Lectr.

Dental Prosthetics

- Chick, O. A., M.D.S.
Hd. of Dept., Sr. Lectr.
Berry, D. C., L.D.S. Lectr.

Dental Radiology

- Simmonds, N. H., L.D.S. Lectr.

Dental Surgery

- Darling, A. I., M.D.S. Durh.,
F.D.S.R.C.S. Prof.
Crabb, H. S. M., B.D.S. Lond.,
F.D.S.R.C.S. (Operative)
Lectr.
Rigg, S. K., L.D.S. (C.).
Claremont, L. E., M.D.S.,
F.D.S.R.C.S. (D. Materia
Medica) Lectr.
Connor, D. C. (C.).
Snawdon, J. W. E., M.B., Ch.B.,
M.D.S., F.D.S.R.C.S. (C.).
Wells, J., L.D.S., H.D.D. Edin.,
F.D.S.R.C.S. (C.).
Hogbin, F. R., L.D.S. (C.).

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.
Chilver, A. H., B.Sc., Ph.D.
Asst. Lectr.

Electrical Engineering

- Rawcliffe, G. H., M.A., D.Sc.
Oxon.
Dean, Fac. of Engin. and
Prof.

Lecturers

- Chard, F. de la C., M.Sc. Lond.
Russell, R. L., M.Sc. Leeds.
Cannell, R. L., M.Eng. Liv.
Bond, G. G., B.Sc. Wales
Jr. Fellow.

Mechanical Engineering

- Morrison, J. L. M., D.Sc.
(Mech. E.) Prof.

Lecturers

- Graham, C. D., B.Sc. Lond.
Rogers, G. F. C., B.Sc.
Crossland, B., M.Sc. Lond.
Meyerowitz, Y. R., B.Sc. Lond.

Theoretical Mechanics

- Shepherd, W. M., D.Sc. Lond.
(Elasticity) Reader.
Newing, S. T., B.Sc. Lond. Lectr.
Gaydon, F. A., M.Sc. Lond.,
F.R.Met.S. Lectr.
Hill, R., M.A., Ph.D. Camb.
Res. Fellow

Medicine

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

Anæsthetics

- Woolmer, R. F., B.A., B.M., B.Ch.
Oxon., D.A., F.F.A.R.C.S.
Hd. of Dept., Sr. Lectr.
Baxter, V. T., M.B., Ch.B., D.A.
Lond. (C.).
Bradbeer, 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.).
Wilton, T. N. P., B.A. Camb., D.A.
(C.).
Mortimer, P. L. F., M.B., B.S.
Lond., D.A. (C.).
Challenger, J. H., M.B., Ch.B.,
D.A. (C.).
Arnold, W. E., M.B., Ch.B.
Tutor.
Steen, T. R., M.A., M.B., B.Chir.
Camb. Tutor.
Farmer, Pamela M., M.B., Ch.B.
Tutor.
Stockdale, Heather, B.Sc., M.B.,
B.Ch. Wales Tutor.

*Bacteriology, v. Pathology**Child Health*

- Neale, A. V., M.D. Birm., F.R.C.P.,
D.P.H. Prof.
Apley, J., M.D., B.S. Lond.
Lectr. (C.).
Corner, Beryl, M.D., Ch.B. Lond.
(C.) Lectr.
Walker, Sarah C. B., M.D., B.S.,
D.P.H. Lond. (C.).
Smallwood, A. L., M.B., Ch.B.,
D.Ch. Liv., D.P.H. (C.).

- Boyd, Mary M. M., M.Sc. N.Z.,
M.B., Ch.B. Edin., Ph.D.
Lond. Tutor.
Fisher, H. J. W., M.B., B.S.
Lond. Tutor.
Guy, Joan, B.Sc., M.B., B.Ch.
Wales Tutor.
4 Recognized Teachers.

Dermatology

- 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 Medicine

- Gibson, C. R., M.B., Ch.B. Glas.
Lectr.

Laryng., Rhin. and Otology

- Watson-Williams, E., M.D. Camb.,
Ch.M., F.R.C.S.Ed.
Hd. of Dept., Lectr.
Scarff, G. R., M.B., Ch.B., F.R.C.S.
Ed. (C.).
James, J. A., M.D., B.S. Lond.,
M.B., Ch.B., F.R.C.S. (C.).
Fairman, H. D., M.B., B.S. Lond.,
D.L.O., F.R.C.S.Ed. (C.).
Freeman, J., M.B., B.S. Lond.,
F.R.C.S. Tutor.
Wilson, K. L., B.A. Camb. Tutor.

Medicine, v. also Path., Pharm.

- Perry, C. B., M.D., Ch.B., F.R.C.P.
Prof.
Tovey, G. H., M.D. (Hæmatol.)
Lectr. (C.).
Cates, J. E., M.D., B.S. Lond. Lectr.
Cosh, J. A., B.A., M.D., B.Chir.
Camb. Lectr.
Campbell, A. M. G., D.M. Oxon.,
F.R.C.P. Lectr.
Davies, D. H., M.D., B.Ch. Wales,
F.R.C.P. Lectr.
Naish, J. M., M.A., M.D., B.Chir.
Camb. Lectr.

(C.) = Clinical Teacher.

- Gale, A. H., B.A., D.M., B.Chir.,
D.P.H. Camb. (Epidemiol.)
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., F.R.C.P.
(Pulmonary Diseases)
Lectr.
- Roberts, J. A. Fraser, M.A. Camb.,
D.Sc., M.D., Ch.B. Edin.,
F.R.C.P.
(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.D., F.F.R.
(Radiodiagnosis) Lectr.
- Gaskell, K. H., M.A., B.Chir.
Camb., D.M.R.D.
(Radiodiagnosis) (C.).
- Owen, R. H., M.B., Ch.B., D.M.R.
Lond. (Radiodiagnosis) (C.).
- Wansbrough, T. B., M.B., Ch.B.,
D.M.R.E. Camb.
(Radiodiagnosis) (C.).
- Airth, G. R., M.B., B.S. Durh.,
D.M.R.D.
(Radiodiagnosis) (C.).
- Sutton, G. E. F., M.D. Lond.,
F.R.C.P. (C.).
- Alexander, A. J. P., M.D., B.Ch.,
B.A.O. Belf. (Tuberculosis)
(C.).
- Craig, R. A., B.Sc., M.D., B.S.
(Tuberculosis) (C.).
- Macrae, J., M.D., Ch.B. Glas.,
F.R.F.P.S., D.P.H. (Fever)
(C.).
- Williams, N. V., M.B., Ch.B. Edin.,
D.P.H. (Tuberculosis) (C.).
- Stewart, I. McD. G., M.D., B.S.
Lond. Tutor.
- Dalglish, P. G., M.D., B.S. Lond.
Tutor.
- Gordon, I. R. S., M.D., B.Chir.
Camb.
(Radiodiagnosis) Tutor.
- Smith, W. H., M.B., B.S. Lond.
(Radiodiagnosis) Tutor.
- Waldron, E. A., D.M.R.D.
(Radiodiagnosis) Tutor.
- Inman, C. K. E., M.B., Ch.B.
Sheff., D.M.R.D. Lond.
(Radiodiagnosis) Tutor.
- Sheach, Jean M., M.B., Ch.B.
Aberd., D.M.R.D. Lond.
(Radiodiagnosis) Tutor.
- Tutor.
- 2 Recognized Teachers.
Neuro-Surgical Unit, v. also
Surg., infra
- Alexander, G. L., M.B., Ch.B.,
B.Sc. Edin., F.R.C.S.
Surgeon-in-charge (C.).
- 1 Recognized Teacher.
Obstetrics
- Lennon, G. G., M.B., Ch.M. Aberd.
Prof.
- Smythe, H. J. D., M.C., M.D.,
M.S., F.R.C.S., F.R.C.O.G.
Lectr.
- Redman, T. F., M.B., Ch.B. Manc.
(Obstet. & Gynæcol.) 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.).
- Loxton, S. D., M.B., Ch.B.,
F.R.C.S. (C.).

(C.) = Clinical Teacher.

Dunster, Marjorie O., M.D., B.S.
 Lond., M.B., Ch.M., F.R.C.S.
 (Gynæcol.) Tutor.
 McCredie-Smith, J. A., M.D.,
 Ch.B. Aberd. Tutor.
 Cummin, R. C., M.B., B.Ch. Wales
 Tutor.

Ophthalmology

Palin, A., M.A., B.M., B.Ch. Oxon.,
 F.R.C.S.Ed.
 Hd. of Dept., Lectr.
 Jardine, P., F.R.C.S.Ed., D.O.M.S.
 (C.).
 Garden, R. R., M.A., M.B., Ch.B.
 Aberd., D.O.M.S. (C.).
 Clifton, F., M.A., M.B., B.Chir.
 Camb., D.O.M.S. (C.).
 MacFetridge, H. F. T., M.A., M.B.,
 B.Ch. Dub., 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.

Lecturers

Gillespie, W. A., M.A., M.D. Dub.,
 D.P.H. (Clin. Pathol.).
 Fraser, A. D., M.A., B.Sc., M.B.,
 Ch.B. Glas., D.P.H.
 (Clin. Pathol.).
 Taylor, A. L., M.D., Ch.B. Leeds
 (Clin. Pathol.).
 McGowan, G. K., B.A., B.M.,
 B.Ch. Oxon. (Clin. Pathol.).
 Sandry, R. J., M.B., Ch.B.
 Lloyd, O. C., M.A., M.D., B.Chir.
 Camb.
 Bishton, R. L., M.B., Ch.B. Birm.
 Andrews, G. S., M.D., Ch.B.
 Summers, G. A. C., B.Sc., M.B.,
 Ch.B. Edin.
 Dodgson, M. C. H., M.D., B.S.
 Lond.
 Norman, R. M., M.D., Ch.B.,
 D.P.M. Lond. (Neuropathol.).

Bolton, F. G., M.B., Ch.B.
 Tutor.
 Bowden, D. H., M.B., Ch.B.
 Demr.
 Shaw, C. S., M.B., Ch.B. Lond.
 Demr.
 Johnson, D. H., M.B., Ch.B.
 Demr.
 Spencer, J. G. C., M.A., M.D.
 Camb., F.R.C.S.
 (Clin. Pathol.) Tutor.
 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.
 Fitzpatrick, R. J., B.Sc. Lond.
 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
 Prof.

Lecturers

Wofinden, R. C., M.D., B.S.,
 D.P.H., D.P.A. Lond.
 Hinds, S. W., M.D., B.S. Lond.
 Herdan, G., M.Sc. Lond., Ph.D.
 Vienna, LL.D. Prague
 (Statistics).
 Woodman, Dorothy, M.Sc., M.D.,
 B.S. Lond. (Clin. Pathol.).
 Sr. Pathological Officer.
 Lewis, F. J. W., M.B., Ch.B.
 (Clin. Pathol.).

(C.) = Clinical Teacher.

Iland, C. N., M.B., Ch.B. Liv.,
Ph.D. Birm., D.C.P. Lond.

Whittle, E. G., B.Sc., F.R.I.C.
(Clin. Pathol. and Hæ-
matol.).

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

Candler, A. C., M.A. Camb.
(Analyt. Spectroscopy).

Faulkner Hudson, T. G., M.D.,
B.S. Lond. (Industrial Hyg.).

Kelly, G. C., B.Sc., M.D., Ch.B.
Aberd., D.P.H. Lond.

(Hosp. Admin.).

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

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

Peacock, D. B., M.B., Ch.B.
(Bacteriologist) Res. Asst.

5 Recognized Teachers.

Psychiatry

Hemphill, R. E., M.A., M.D. Dub.,
D.P.M. Hd. of Dept., Lectr.

Barbour, R. F., M.A. Camb.,
M.D., Ch.B. Edin., F.R.C.P.,
D.P.M. (C.).

Leitch, A., M.D., Ch.B. Glas.,
D.P.M. Lond. (C.).

Norman, R. M., M.D., Ch.B.,
D.P.M. Lond. (Mental Defi-
ciency) (C.).

Lyons, J. F. (Mental Deficiency)
(C.).

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

Hare, E. H., M.A., M.B., B.Chir.
Camb., D.P.M. Lond. Tutor.

Maggs, R., M.B., Ch.B., D.P.M.
Tutor.

Smith, K. C. P., D.P.M. Tutor.

Turton, E. C., M.A. Oxon., M.B.,
B.S. Lond. (Electroencephalo-
graphy) Tutor.

Public Health, v. Preventive
Med.

Surgery, v. also Neuro-Surg.,
supra

Walker, R. Milnes, M.B., M.S.
Lond., F.R.C.S. Dean Prof.

Adams, A. W., M.B., M.S. Lond.,
F.R.C.S. (Urol.) (C.).

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

McPherson, A. G., B.A., M.B.,
M.Chir. Camb., F.R.C.S. (C.).

Eyre-Brook, A. L., M.B., Ch.B.,
M.S. Lond., F.R.C.S. (Ortho-
pædics 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. (Plastic Surgery)

(C.).

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

Paul, R. G., F.R.C.S. Ed. (Opera-
tive Surg.) (C.).

Pridie, K. H., M.B., Ch.B. (Ortho-
pædics and Fractures) Lectr.

Horton, R. E., M.B., B.S.,
F.R.C.S. Lectr.

Peacock, J. H., M.B., B.Chir.
Birm., F.R.C.S. Lectr.

Miller, A., M.A., M.D., 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.).

Lucas, H. K., M.B., M.Ch. Orth.
Liv., F.R.C.S. Ed. (Ortho-
pæd.) (C.).

McCormack, M. P., M.B., Ch.B.
Edin., F.R.C.S. Ed. (Ortho-
pæd.) (C.).

Tudway, R. C., B.Sc., M.B., B.S.
Lond., D.M.R., F.F.R. (Radio-
therapy) (C.).

Curwen, S., D.M.R.T. (Radio-
therapy) (C.).

(C.) = Clinical Teacher.

- Robinson, H. H., B.A., M.B.,
B.Ch., B.A.O., D.M.R.T. Dub.
(Radiotherapy) Tutor.
- Bartlett, C. H., M.A., M.B., B.Chir.
Camb., F.R.C.S. Tutor.
- Bourne, H. K., M.B., B.Ch.,
B.A.O. Dub., F.R.C.S.
Tutor.
- Wilson, M. G., M.B., Ch.B. Leeds,
F.R.C.S. Tutor.
- Brockway, E. N., M.B., B.S.
Lond., F.R.C.S. Ed. Tutor.
- Kyle, J. B., B.A. Oxon., M.B.,
B.Ch. Belf., F.R.C.S. Tutor.
- Neve, C. R., M.B., B.S. Lond.,
F.R.C.S. Tutor.
- Mitchell, J. P., M.B., B.S. Lond.,
F.R.C.S. (Urological Surg.)
Tutor.
- Goldstein, A. M., M.B., B.S.,
D.M.R.T. Lond. Tutor.
- 3 Recognized Teachers.

Venereal Diseases

- McLachlan, A. E. W., M.B., Ch.B.
Edin., D.P.H. Lectr.

Veterinary Science

- Blakemore, F., D.V.Sc., D.V.S.M.
(Vet. Med.) Prof.
- Ottaway, C. W., Ph.D. Camb.,
F.R.C.V.S. (Vet. Anat.) Prof.
- Carlyle, A., B.A. Camb., B.V.Sc.
Liv. (Vet. Physiol.) Sr. Lectr.

Lecturers

- McCrea, M. R. (Animal Husb.).
- Laing, J. A., B.Sc. Edin., Ph.D.
Camb.
- Halley, Gwendolen, B.Sc. Reading,
Ph.D. Lond. (Vet. Anat.,
Embryology).
- King, A. S., B.Sc. Lond. (Vet.
Anat.).
- Batten, E. H., B.Sc. Reading
(Vet. Phys., Histol.).
- Holmes, J. R., B.V.Sc., Ph.D.
Liv. (Vet. Med.).
- Smith, R. N. (Vet. Anat.)
Asst. Lectr.

Lewis Fry Memorial Lecturer

1950-51—(Not given).

George Hare Memorial Lecturer

1950-51—Prof. E. Cammaerts,
C.B.E., Hon. LL.D. Glas.
Subject—*Van Eyck's "Adoration of the Lamb."*

1951-52—J. S. R. Boase, M.A.
Subject—*Raphael.*

Loveday Memorial Lecturer

1950-51—Sir George Dyson, M.A.,
Mus.D. Oxon., Hon. LL.D.
Aberd., F.R.C.M.

Arthur Skemp Memorial Lecturer

(*English Literature, biennial*)

1951—Cicely V. Wedgwood.
Subject—*The Literature of the Civil War.*

Patrick Watson-Williams Memorial Lecturer

1951-52—V. E. Negus, M.S.,
F.R.C.S., F.R.C.S. Ed.

Carey Coombs Memorial Lecturer

1950-51—Maurice Campbell,
O.B.E., D.M., F.R.C.P.
Subject—*Morbus Cæruleus and its Surgical Treatment.*

Art Lecturers

1950-51—H. Gerson ; F. Watson ;
J. Rothenstein ; D. Sutton.
Subject—*The Triumph of Landscape Painting.*

N. Pevsner ; A. Blunt
Subject—*Architecture and Sculpture in the Baroque Age.*

Institute of Education

Fletcher, B. A., M.A., B.Sc.
Dir. and Prof.

Knowlson, H., B.Sc., Ph.D. Leeds
Staff Tutor.

Kuenstler, P. H. K., M.A. Oxon.
(S. Africa Res. Fellow).
Stott, D. H., M.A., Ph.D.
Res. Fellow.

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.
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 Assistant

Sykes, Emily G.

Training Course for Health
Visitors

10 Recognized Teachers.

University Extension

Salt, W. E., O B.E., M.A. Sheff., B.Com. Manc.—Dir. of Dept. of Adult Educn.

Trump, H. J., M.A. Camb.—Asst. to Dir.

..... (Services Educn.)—Asst. to Dir.

16 Full-time Tutors. Pt-time Extra-mural Lectrs.: 35 members of staff, 90 others.

Resident Tutors

Bristol

Hopkins, P. W., B.A.; Burton,
J. C. G., M.A. Camb.; Cun-
liffe, 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.;
Thorne, F. W. P., M.B.E.,
B.A.; 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.; Cherring-
ton, P., M.A. Camb.; Hare,
A., B.A. Lond.; Molland,
R., B.A. Camb.; Thomas,
J. L., B.A. Lond.

Staff Tutors for Services Educn.

Aris, R. F., Dr. juris utriusque
Jena; Callender, M. H.,
M.A., Ph.D. Durh.; Jenkins,
H., B.Sc.

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE REGISTRAR AND SECRETARY. Asst. Registrars and Secs.:
A. Fraser, B.A. Leeds; E. C. Wright, B.A. Oxon. Graduate Asst.: Sheila M.

Wicks, B.A. Oxon. Examinations Officer: H. G. Lock. Publications Officer: S. L. Crook.

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

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

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

APPOINTMENTS BOARD. Sec.: Elsie M. Briggs, B.Sc., Ph.D. Leeds.

WARDENS OF HALLS OF RESIDENCE. Wills Hall, O. D. Kendall, M.A. Camb.; Burwalls, J. F. Sloane, B.Sc. Glas.; Wraxall Court, J. K. Sutherland, B.Sc. (Econ.) Lond.; Clifton Hill House, J. Winifred Macleod, M.A. Glas., B.Litt. Oxon.; Manor Hall, Gladys M. Morgan, M.A. Oxon.

ADVISER TO OVERSEAS STUDENTS. P. L. Vining.

INSTITUTE OF EDUCATION. Sec.: J. G. Lang, M.A. St. And. Asst. Sec.: Ray P. Allaun, B.A. Lond.

STUDENT HEALTH. Physician-in-charge: D. E. Olliff, M.B., Ch.B. Medical Officer: P. J. Chapman, M.B., Ch.B.

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 (*Telephone*: Long Ashton 2181). Director and Univ. Prof. of Horticultural Chem.: T. Wallace, C.B.E., D.Sc. Durh. *Entomol.*—H. G. Kearns, B.Sc. Lond., Ph.D. Camb., Reader. With the standing of Sr. Lectrs. in the Univ.: *Agricultural Bot.*—G. T. Spinks, M.A., Dip. Agr. Camb. *Biochem.*—A. Pollard, M.Sc. Lond., Ph.D. Manc. *Chem. of Insecticides and Fungicides*—J. T. Martin, D.Sc. *Microbiol. and Biochem.*—.....

Mycol.—R. W. Marsh, M.A. Camb. With the standing of Lectrs. in the Univ.: *Biochem.*—F. W. Beech, B.Sc. Birm. *Chem.*—C. Boulton, M.Sc. Reading. *Cider*—L. F. Burroughs, B.Sc. *Domestic Fruit and Vegetable Preservation*—Alice Crang, B.Sc. Lond. *Entomol.*—S. H. Bennett, B.Sc.; A. Stringer, B.Sc. Lond.; N. G. Morgan, B.Sc. *Fruit Products*—Margaret F. Kieser, B.Sc. *Mycol.*—S. H. Crowdy, B.Sc. Lond. *Organic Chem.*—D. Woodcock, M.Sc., Ph.D. Durh.; A. H. Williams, M.A., B.Sc. Oxon. *Phys. Chem.*—W. D. E. Thomas, B.Sc., Ph.D. Wales. *Plant Physiol.*—E. J. Hewitt, B.Sc., Ph.D.; D. J. D. Nicholas, B.Sc., Ph.D.; W. Plant, B.Sc. Hort., Ph.D. Reading. *Pomol.*—L. C. Luckwill, B.Sc., Ph.D.; E. W. Hobbs, B.Sc. 8 Res. Assts., 1 Recognized Teacher.

CAMPDEN RESEARCH STATION, Campden, Glos. (*Telephone*: Chipping Campden 319). 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. (*Microbiol.*); W. B. Adam, M.A. (*Chem.*). With the standing of Lectrs. in the Univ.: T. G. Gillespy, B.Sc. (*Bacteriol.*). 1 Research Asst.

Domestic Science

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE, Barrack Square, Gloucester (*Telephone*: Gloucester 20234). For practical course for B.Sc. in Dom. Sci. Principal and Univ. Lectr. in *Dom. Sci.*, M. Burella Taylor, M.A. Staff with the standing of Teachers in the Univ.: *Cookery*—Mollie Downes. *Dressmaking*—Irmgard B. Pick. *Household Management*—Marion Wilson. *Laundry Work*—Ethel Henney. *Needlework*—Margaret N. Pincott. *Sci. and Hygiene*—Jessica D. Byett, B.Sc.

Theology

The following are members of the Univ. staff in Theol. subjects for the B.A.:

BAPTIST COLLEGE, Woodland Rd., Bristol, 8 (*Telephone*: Bristol 20248). Principal, Rev. A. Dakin, B.D. Lond., D.Th. Heid.

WESTERN COLLEGE, Cotham, Bristol, 6 (*Telephone*: Bristol 36042). Principal, Rev. H. F. Lovell Cocks, M.A., D.D. Lond.; Rev. W. J. Downes, M.A., B.D. Lond.

BIBLE CHURCHMEN'S COLLEGE, Clifton, Bristol (*Telephone*: Bristol 33325). Principal, Rev. J. Stafford Wright, M.A. Camb.; Rev. G. W. Bromiley, M.A. Camb., Ph.D., Litt.D. Edin.; Rev. P. E. Hughes, M.A. Cape T., B.D. Lond.; Rev. D. H. Tongue, M.A. Camb.; Rev. L. E. H. Stephens-Hodge, M.A. Camb.

DIDSBURY COLLEGE, Henbury Hill, Bristol (*Telephone*: Bristol 68990). Principal, Rev. F. Greeves, M.A. Camb.; Rev. S. B. Frost, M.Th. Lond., D.Phil. Marburg; Rev. K. Grayston, M.A. Camb.

CLIFTON THEOLOGICAL COLLEGE, Stoke House, Bristol, 9 (*Telephone*: Bristol 82803). Principal, Rev. W. G. Brown, B.D. Lond.; Rev. T. E. Benson, M.A. Camb.; Rev. J. A. Motyer, B.A. Dub.; Rev. A. F. Lutley, M.A. Camb.

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 were opened in 1925, occupy a commanding site between the City and the residential districts and cost £500,000; the H. H. Wills Physics Lab., opened in 1927, cost £200,000. The Fac. of 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, 165,000 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. N. F. Mott (Physics); Medicine, Prof. R. Milnes Walker (Surg.); 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. ; B.Mus.—1 yr. after General B.A. ; Hons. B.Sc. and Hons. B.Sc. in Engin.—4 yrs., except for those who enter with exemption from the Intermediate Examn. ; B.Sc. in Domestic Science—4 yrs., except for those who enter with exemption from the Intermediate Examn. ; B.Sc. by research—3 yrs. (2 yrs. in the case of a graduate of another Univ.) ; 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. ; D.Mus. ; M.Sc., D.Sc. (in Pure Sci. or Engineering) ; Ch.M., M.D. ; LL.M., LL.D. ; Ph.D. (*see* p. 19). 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 Master-ship 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, value £170 to £220 each; Studentship in Philosophy, £100; 2 Fellowships for Medical Research, £100 each; Fellowship for Economics, £600 to £800; Fellowships for Inorganic and Physical Chemistry, £1200; Studentship in Neurology and Psychiatry, £150. 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, £350 p.a. for 2 yrs., is open to graduates from New Zealand.

RESIDENCE. For Wardens see "Administrative and other Staff," p. 62. Men: Fees, £120 p.a., Wills Hall, Stoke Bishop, Bristol, 9 (*Telephone*: 81544): 296 students. Burwalls, Leigh Woods, Bristol, 8 (*Telephone*: 36089): 40 students. Wraxall Court, Wraxall, Somerset (*Telephone*: Nailsea 335): 40 students. Women: Fees, £110 p.a., Clifton Hill House, Clifton Hill, Bristol 8 (*Telephone*: 36274): 90 students. Manor Hall, Clifton, Bristol 8 (*Telephone*: 36604): 150 students.

UNIVERSITY TRAINING CORPS (T.A.). Officer Commanding: Major J. F. Sloane, T.D. The principal object of the Corps is to fit cadets to reach Commissioned Rank in their period of National Service. Basic training is followed by specialist training in either the Signal Unit or the Infantry Unit. Cadets work for the War Office Proficiency Certificates.

UNIVERSITY AIR SQUADRON. Officer Commanding: Squadron Leader R. G. West, D.F.C. The squadron provides flying training for students preparing for commissioned service in the R.A.F. or its Auxiliary or Reserve Forces. During term, flying training is given at the R.A.F. Station, Filton, and continuous training takes place during two weeks of the long vacation.

PRINCIPAL STUDENT ATHLETIC FACILITIES. 32 acres of playing fields at Coombe Dingle, Bristol, 9, comprising rugby, soccer, hockey and cricket pitches, tennis and netball courts, and a running track. Tennis and squash courts at several of the Halls of Residence. 2 Gymnasias in the Students' Union. Rowing at Saltford, 7 miles from Bristol.

INSTITUTE OF EDUCATION. Founded in 1947 to supervise the training of teachers and youth leaders in the region, and to provide a centre for research. The Univ. Dept. of Education, 6 Training Colls., 2 Colls. of Domestic Science and 2 Art Schools are associated with the Inst. Dir.: Professor B. A. Fletcher, M.A., B.Sc. Lond.

APPOINTMENTS BOARD. Sec.: Elsie M. Briggs, B.Sc., Ph.D. 1949-50: 104 permanent appts., including—Government Depts., 27 men, 5 women; Education, 7 men, 3 women; Commerce and Industry, 44 men, 8 women; Miscellaneous, 5 men, 5 women. Vacation and temporary work, 150 men, 38 women.

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.

VACATION COURSES. A Summer School is arranged annually by the Dept. of Adult Educn. in conjunction with the W.E.A. It is held in Wills Hall for 3 weeks and normally attracts about 175 students, including a number from abroad. Subjects include Art, Lit., Economics and Psychol. In addition, special courses are arranged on Local Hist. and on the functions and methods of Adult Educn. In recent years a Physics Summer School has been arranged for graduate students and members of the staffs of Govt. and industrial labs.

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. are conducted by Medical Officers appointed by the Univ. and are free of cost to students. The Medical Officers are available also for free consultation and advice to students in health matters. The Univ. has provided Woodland House, West Park, Bristol 8, near the Union and the main Univ. buildings, for use as a Health Centre, with facilities for physical training, squash, tennis and fives.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d. 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*, 2s. 6d. per set post free); *Students' Mag.*, *Nonesuch*, 1s.

THE YEAR 1949-50

BENEFACTIONS. Further anon. gift of £1000 towards future establishment of a Chair of Psychiatry. £1000 from the S. African Aid-to-Britain Fund for res. in Youth Work. \$20,000 from Rockefeller Foundation for development of Drama Dept., \$12,000 of the grant to be spent on equipping a Drama Studio. \$3500 from Rockefeller Foundation for equipment for Dept. of Anat. £850 for res. in Chem. and £400 for res. in Mech. Engin., from I.C.I. Ltd. A 3-yr. res. scholp. in Bot. from the Bristol, Clifton and W. of England Zoological Soc. £150 from Messrs. Marsh and Baxter Ltd., for work in experimental surg. £150 from L. E. Attenborough to provide an annual dental medal. A Flame Photometer from the Commonwealth Foundation of New York.

NEW BUILDINGS. The new building for Vet. Anat. and Physiol. has been completed and taken over, while at the Vet. Field Station at Langford work on new labs., lecture-rooms and bull-pens has begun. Freehold of the Langford House estate has been purchased. First instalment of a new Engin. School near the Royal Fort is under construction. Work has started on new labs. for Biochem., Zool. and Anat., and on the adaptation of a disused squash court in the main bldgs. for use as a Drama Studio. Rodney Lodge, a large house and garden in Clifton, has been purchased for development as an additional Hall of Residence for women.

NEW POSTS. Professorship in Jurisprudence and Legal Hist.; Readerships in Philos., Entomol., Organic Chem. and Petrol. (for present Lectureships); Sr. Lectureships in Hist. and Physics; Res. Fellowships in Theoretical Mechanics and Educn.; Lectureships in Vet. Anat., Vet. Physiol., Animal Husbandry, Chemical Physiol., Physical and Inorganic Chem., Aeronautical Engin., Horticulture, Vertebrate Zool.; Asst. Lectureships in English, German, Music, Organic Chem., Vet. Anat., Civil Engin.; Jr. Fellowships in Economics and Physiological Ecol.; second Asst. Registrarship.

CHANGES IN REGULATIONS. Hons. course instituted for B.A. in Theol.; Biological Chem. introduced as a subject for Hons. B.Sc.; Bacteriol. and Microbiol. recognized as a subject for Ordinary and General Hons. B.Sc. Postgraduate Diploma in Horticultural Sci., and Postgraduate Certifs. in Pomol., in Plant Pathol. and in Entomol. instituted. Diploma in Engin. abolished. The Univ. has been granted an Order in Council under Section 1 of the Veterinary Surgeons Act, 1948, the effect being that any person upon whom the Univ. confers the degree of B.V.Sc. is thereby eligible for membership of the Royal Coll. of Vet. Surgeons.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. Louie W. Webb, North-western Univ., U.S.A., spent the session at Bristol as visiting Fulbright Prof. Prof. H. Potter, London, "The Conveyancing Aspects of the Town and County Planning Act, 1947." Prof. G. Murray, "The Myth of the Sons of the Gods." Prof. L. R. Palmer, London, "The Indo-European Origins of Greek Justice." H. Last, Oxford, "Ancient History and Modern Education." Prof. J. E. V. Crofts, "The Genius of Wordsworth." Prof. A. L. Goodhart, Oxford, "The British and United States Constitutions: A Comparison." Prof. J. A. Westrup, Oxford, "Bach and his Environment." Prof. E. Beutler, Goethe Univ., Frankfurt, "Der Westöstliche Divan." J. B. Leishman, Oxford, "Light and Darkness: Some Reflections on Fr. Hölderlin and some translations from his poetry." Prof. Günther Müller, Bonn, "Goethes Prosa." Prof. H. Meyer, Amsterdam, "T. Mann's Epische Kunst."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. F. J. Warne (French), Bordeaux, "French Mediæval Drama," "Translation into English." Prof. James (English), Oxford, "The Advancement of Learning, Hamlet and King Lear." Prof. Fletcher (Educn.), Elsinore International Folk High School, "The Philosophy of Education." Prof. Powell (Experimental Physics), Scott Lectr. at Cambridge. Prof. Mott (Theoretical Physics), Paris, "The Electrical and Mechanical Properties of Solids." Dr. F. C. Frank (Theoretical Physics), various American Univs., "Theory of Crystal Growth," "Crystal Dislocations." Dr. D. D. Eley (Chem.), Reilly Lectr. at Notre-Dame; lectures at other American Univs. Dr. W. J. Dunning (Chem.), Manchester, "Mass Spectrometry." R. Bassindale (Zool.), on secondment to Univ. Coll. of the Gold Coast. Professor Heller (Pharmacol.), visiting Prof. at New York Medical Coll. Dr. G. A. Smart (Med.), Commonwealth Fellow, Harvard. Dr. R. F. Woolmer (Anæsthetics), Montevideo, to assist in establishment of a Dept. of Anæsthetics.

EXTRA-MURAL WORK. (1) Organized through Univ. Dept. of Adult Educn. Univ. Tutorial and Sessional classes, and shorter courses, in Bristol, Gloucestershire, Somerset, Wiltshire and West Dorset; 32 three-yr. Tutorial Classes; 73 Sessional Classes; 76 Short Sessional Classes; 32 Short Courses. (2) Special Short Courses and Lectures organized by Resident Tutors in Bristol and in Rural Areas throughout the Univ. region; 128 short courses, one-day schools and exhibitions; 489 single lectures. Public lectures to large audiences, and advanced courses; 13 courses. Summer Schools and residential courses: 1 for extra-mural students; 1 for tutors in adult educn.; 1 in Local History; 1 for overseas students; 1 for Probation Officers.

RETIREMENTS. W. Hamilton Whyte, Prof. of Economics, appd. Dir. of the Inst. of Social and Economic Res., University Coll., Ibadan. E. W. W. Veale, Reader in Legal Hist. Winifred Shapland, Sec. and Registrar. A. J. M. Wright, Dir. of Medical Postgraduate Studies.

RESIGNATIONS. Dr. H. Martin (Reader in Bio-Chem.), on appt. as Dir.

of the Federal Science Service Lab. of the Canadian Dept. of Agric. at the Univ. of Western Ontario. H. A. Shannon (Sr. Lect. in Economics), on appt. to a sr. post with International Monetary Control in Washington. Dr. H. F. West (Physician-in-Charge of Student Health Service), on appt. as Consulting Physician in Rheumatic Diseases to the United Sheffield Hospitals. E. J. Davies, Jr. Fellow in Electrical Engin.; Miss D. H. Howlett, Teacher in Dom. Sci.; S. D. Loxton, Registrar and Tutor in Obstetrics; M. J. Marson, Resident Tutor in Somerset; Miss S. P. Maxted, Res. Asst. in Zool.; R. J. Munson, Recognized Teacher in Radiological Physics; F. R. N. Nabarro, Royal Society Warren Res. Fellow in Physics; J. A. Pocock, Deputy Dir. of Medical Postgraduate Studies; Miss B. Rapaport, Lectr. in Educn.; R. P. Stephenson, Res. Asst. in Dept. of Pharmacol.; Miss A. M. Stone, Res. Asst. in Fruit Products (Long Ashton); R. A. Yates, Demr. in Dept. of Geog.

DEATHS. Sir George Oatley (Hon. Graduate and Architect of many of the Univ. bdgs.); Prof. S. E. Whitnall (Prof. of Anat., 1935-42); Dr. F. Gower Bergin (Former Hd. of Dept. of Radiol.); Dr. B. A. Peters (Former Reader in Infectious Diseases); E. A. G. Dowling, W. R. Ackland (Former Members of Dental Staff).

HONORARY DEGREES. *LL.D.*—F.M. Visct. Alanbrooke, Chancellor of the Queen's Univ., Belfast; H.E. Lewis Douglas, U.S. Ambassador. *D.Litt.*—R. W. Moore, Head Master of Harrow; Prof. C. D. Broad, Prof. of British Academy and Knightsbridge Prof. of Moral Philos., Univ. of Cambridge. *D.Sc.*—Sir Richard Southwell, Rector of Imperial Coll. of Sci. and Technol.; Sir Alexander Fleming, Dir. of Wright-Fleming Inst. of Microbiol., St. Mary's Hospl.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	271	1715
Women	121	656
Total	392	2371

Included in the above are 261 postgraduate students and 762 first-year admissions.

DEGREES. B.A., 199; B.A. Com., 14; M.A., 7; B.D.S., 3; B.Sc. Eng., 28; M.Sc. Eng., 4; Ph.D. Eng., 1; D.Sc. Eng., 1; LL.B., 10; M.B., Ch.B., 31; M.D., 3; B.Sc., 151; B.Sc. (Dom. Sc.), 6; M.Sc., 2; Ph.D., 18; D.Sc., 1.

UNIVERSITY OF CAMBRIDGE*

Founded in the XIIth century

Telephone : Registry—Cambridge 54451.

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

VICE-CHANCELLOR—Professor Sir LIONEL WHITBY, C.V.O., M.C., M.A.,
M.D., Master of Downing College.

HIGH STEWARD—Rt. Hon. C. CLIFTON BROWN, M.A., Hon. LL.D. Trin.

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

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

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

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

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

LIBRARIAN—H. R. CRESWICK, M.A. Jesus.

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

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

NOTE. The Colleges and Heads of Colleges are given on pp. 86 ff.

TEACHING STAFF

Aeronautics, v. Engineering

Agriculture, v. *infra*

Altaic Languages, v. Oriental
Langs.

Anatomy, v. also Zool.

Boyd, J. D., M.D. Belf., M.A. Cla.

Lecturers Prof.

Green, H. L. H. H., M.D. Sid.

Bull, M. M., M.D. Qu.

Harty, M., M.B., B.Ch. Dub., M.A.
Down.

Millen, J. W., M.D. Belf., M.A. Cla.

Wright, G. H., M.A., M.B., B.Chir.
King's.

Demonstrators

Broomhead, I. W., M.A., M.B.,
B.Chir. Joh.

Bulmer, D., M.A., M.B., B.Chir.
Pet.

Keynes, W. M., M.A., M.B., B.Chir.
Trin.

Lever, J. D., B.A., M.B., B.Chir.
Trin.

Rhys, W. J. St. E. G., M.B., B.S.
Lond., M.A. Joh.

Woollam, D. H. M., M.A., M.B.,
B.Chir. Pet.

Anglo-Saxon, etc.

Dickins, B., M.A. Corp. Prof.

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

Lecturers

de Navarro, J. M., M.A. Trin.
 de Navarro, Mrs. Agnes D. M.,
 Ph.D. Newn.
 Blair, P. H., M.A. Emm.
 Bromwich, Mrs. Rachel S., M.A.
 Newn.
 Chadwick, Mrs. Nora, M.A. Newn.

Animal Pathology v. also Vet.
Med.

Beveridge, W. I. B., D.V.Sc. Syd.,
 M.A. Jes. Prof.
 Lapage, G., M.A. Selw. Lectr.
 Scarisbrick, R., Ph.D. Down.
 Coombs, R. R. A., M.A., Ph.D.
 King's Asst. Dir. of Res.

Anthropology

Lecturers

Fortune, R. F., M.A. Emm.
 Jones, G. I., M.A. Jes.
 Lindgren, Ethel J., M.A., Ph.D.
 Newn.
 Trevor, J. C., B.Sc. Oxon., M.A.,
 Ph.D. Emm.

Anthropology, Social

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

Arabic, v. Oriental Langs.*Aramaic*, v. Oriental Langs.*Archæology*, v. also Classical A.,
Classics, Oriental Langs.

Garrod, Dorothy A. E., M.A.
 Newn. Disney Prof.

Lecturers

Burkitt, M. C., M.A. Trin.
 Clark, J. G. D., M.A., Ph.D. Pet.
 Daniel, G. E., M.A., Ph.D. Joh.

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.

Assistant Lecturers

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

Art

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

Assyriology, v. Oriental Langs.*Astronomy and Experimental
Philosophy*

Jeffreys, H., M.A. Joh., F.R.S.
 Plumian Prof.
 Linfoot, E. H., D.Sc. Oxon., Sc.D.
 Joh.

Asst. Dir. Obs. and John
 Couch Adams Astro-
 nomer.

Astronomy and Geometry

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

Astrophysics

Redman, R. O., M.A., Ph.D. Joh.,
 F.R.S.
 Prof., Dir. Observatories.
 Blackwell, D. E., Ph.D. Pemb.
 Asst. Dir., Solar Physics
 Obs.

Sr. Asst. Observers

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

Jr. Asst. Observers

Dewhirst, D. W., B.A. Chr.
 Ovenden, M. W., M.A.

Biochemistry

Young, F. G., Ph.D., D.Sc. Lond.,
 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., F.R.S.

Sir W. Dunn Reader.

Dixon, M., Ph.D., Sc.D. Emm.,
F.R.S. (Enzyme) Reader.

Gale, E. F., Sc.D. Joh.
(Chem. Microbiol.) Reader.

Bailey, K., Ph.D. Trin.
Asst. Dir. of Research.

Lecturers

Greville, G. D., M.A. Emm.

Bell, D. J., M.A. Jes.

Perry, S. V., Ph.D. Trin.

Webb, E. C., M.A., Ph.D. Cla.

Demonstrators

Harrison, K. P., M.A. King's.

McQuillen, K., M.A., Ph.D. Emm.

Mitchell, P. D., B.A., Ph.D.

Watchorn, Elsie, Ph.D. Newn.

Northcote, D. H., M.A. Down.

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., F.R.S.
Prof.

Readers

Hanes, C. S., Ph.D. Down., F.R.S.
(Plant Biochem.)

Godwin, H., M.A., Sc.D. Cla.,
F.R.S. (Quaternary Research).

Gilmour, J. S. L., M.A. Cla.
Dir. of Botanic Garden.

Lecturers

Dowson, W. J., M.A., Sc.D. 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.

Walters, S. M., M.A., Ph.D. Joh.
Curator of Herbarium.

Demonstrators

Whitehouse, H. L. K., M.A., Ph.D.
Qu.

Sporne, K. R., M.A., Ph.D. Down.

Riches, J. P. R., M.A., Ph.D. Cla.

George, E. A., M.A. Down.
Asst. in Res.

Cellular Biology, v. Biol.

Chemical Engineering, v. Engineering

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

Todd, A. R., M.A. Chr., F.R.S.

(Organic) Prof.

Emeléus, H. J., M.A. Sid., F.R.S.

(Inorganic) Prof.

Mann, F. G., Ph.D., Sc.D. Trin.,
F.R.S. (Organic) Reader.

Johnson, A. W., M.A. 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.

Demonstrators

Haszeldine, R. N., M.A., Ph.D.
Sid.

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.
 Sugden, T. M., M.A., Ph.D. Pemb.
 H. O. Jones Lectr.
 Moelwyn-Hughes, E. A., Ph.D.
 Corp. Lectr.
 Agar, J. N., M.A., Ph.D. Sid.
 Lectr.

Demonstrators

Ashmore, P. G., M.A., Ph.D.
 Emm.
 Harding, A. J., M.A., Ph.D. Cla.
 Kemball, C., M.A., Ph.D. Trin.
 Porter, G., B.Sc. Leeds, Ph.D.
 Emm.
 Thrush, B. A., B.A. Emm.
 Asst. in Res.

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.
 Hall, G. G., B.Sc. Belf., M.A. Joh.
 Asst. in Res.

Chinese, v. Oriental Langs.

Classical Archæology

Toynbee, Jocelyn M. C., D.Phil.
 Oxon., M.A. Newn.
 Laurence Prof.
 Cook, R. M., M.A. Cla.
 Laurence Reader.

Classics

Page, D. L., M.A. Oxon. and Trin.
 (Greek) Reg. Prof.

Mynors, R. A. B., M.A. Oxon. and
 Pemb. (Latin) Kennedy Prof.
 Sandbach, F. H., M.A. Trin.
 Brereton Reader.
 Griffith, G. T., M.A. Cai.
 (Anc. Hist.) Laurence
 Reader.

Guthrie, W. K. C., M.A. Pet.
 Laurence Reader.

Lecturers

..... (Anc. Hist.).
 Camps, W. A., M.A. Pemb.
 Deas, H. T., M.A. Cai.
 Gardner, R., M.A. Emm.
 Guthrie, W. K. C., M.A. Pet.
 Hammond, N. G. L., M.A. Cla.
 Howland, R. L., M.A. Joh.
 Lucas, D. W., M.A. King's.
 Morrison, J. G., M.A. Trin.
 Papastavrou, 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.
 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.

Assistant Lecturers

Lloyd-Jones, P. H. J., M.A. Oxon.
 and Jes.
 Woodhead, A. G., M.A. Corp.

Colloid Science

Roughton, F. J. W., M.A., Ph.D.
 Trin., F.R.S.
 J. H. Plummer Prof.
 Schulman, J. H., Sc.D., Ph.D.
 Trin H.
 (Surface Chem.) Reader.
 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. Selw. (German and
Czech) Lectr.

Divinity, v. also Orient. Langs.
Ramsey, Rev. A. M., B.D. Magd.
Reg. Prof.

Moule, Rev. C. F. D., M.A. Cla.
Lady Margaret's Prof.
Farmer, Rev. H. H., D.D. Glas.,
M.A. Jes. Norris-Hulse 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.
Chadwick, Rev. H., M.A., Mus.B.
Qu.
Gardner-Smith, Rev. P., M.A.,
B.D. Jes.
Hart, Rev. H. St. J., M.A. Qu.
Heard, Rev. R. G., M.A. Pet.
Sanders, Rev. J. N., M.A. Pet.
Schofield, Rev. J. N., M.A. Chr.
Stevenson, J., M.A. Joh.
Wilkie, J. M., M.A., B.D. Edin.

Assistant Lecturers

Chadwick, Rev. W. O., M.A. Tr. H.
Styler, Rev. G. M., M.A. Corp.
Woods, Rev. 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., O.B.E.,
M.A. Sid. (Econ.) Prof.
Kahn, R. F., M.A. King's
(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.
Brown, A. J. Y., M.A. Aberd.
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., C.B.E., M.A.
Joh. Girdlers' Lectr.
Hagenbuch, W., M.A. Magd.
Henderson, R. F., M.A., Ph.D. Corp.
Hollond, Mrs. Marjorie, Ph.D.
Col., M.A. Girton.
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., M.A. Jes.

Assistant Lecturers

Matthews, R. C. O., B.A. Oxon.,
M.A. Joh.
Roy, A. D., M.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 Girton

Departmental Lecturers

Bradshaw, Doris, M.A. Oxon. and
Girton.

Gladwell, Constance W. L., Ph.D.
Lond., 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

Wiley, 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.
Daiches, D., D.Phil. Oxon.
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. Chr.
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.

Assistant Lecturers

Bromwich, J. I., M.A. Joh.
Burton, Kathleen M. P., M.A.
Girton.
Redpath, R. T. H., M.A., Ph.D.
Trin.
Turner, D. L., M.A. King's.

Entomology

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

Enzyme Biochemistry, v. Biochemistry

Estate Management, v. Agric.

French

Harmer, L. C., M.A., Ph.D. Trin.
Drapers' Prof.

Lecturers

Aston, S. C., M.A., Ph.D. Cath.
Beves, D. H., M.A. King's.
Charvet, P. E., M.A. Corp.
Combe, T. G. S., M.A. Edin. and
Camb., D. de l'U. Bordeaux.
Fairlie, Alison A. B., Ph.D. Girton.
Lough, J., M.A., Ph.D. Joh.
Ladbrough, R. W., M.A., Ph.D.
Magd.
McFarlane, I. D., M.A.
Parmée, D., M.A. Trin.
Wallas, May G., M.A. Newn.

Assistant Lecturers

de Mourgues, Mme Odette M. H. L.,
Ph.D. Girton.
Kelly, R., B.A. Leeds.

Lectors

Laporte, J. A.
Chauvin, J., L. ès L. Paris.

Genetics

Fisher, R. A., Sc.D. Cai., F.R.S.
Arthur Balfour Prof.
Owen, A. R. G., M.A., Ph.D. Trin.
Lectr.
Cavalli-Sforza, L. L., M.A. Cai.
Asst. in Research.
Wallace, Margaret E., B.A. Girton
Asst. in Research.

Geodesy and Geophysics

Browne, B. C., M.A. Trin. (Exper.
Geophysics) Reader.
Stoneley, R., Sc.D. Pemb., F.R.S.
(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

Caesar, A. A. L., M.A. Cath.

Mitchell, Jean B., M.A. Newn.

Stanners, R. W., M.A.

Steers, Mrs. Harriet G., M.A.
Girton.

Williams, W. W., M.A. Fitzw.

Lewis, W. V., M.A. Trin.

Thatcher, W. S., M.A. Fitzw.

Anderson, Mrs. Margaret S., M.A.
Girton.

Demonstrators

Farmer, B. H., M.A. Joh.

Grove, A. T., M.A. Cath.

Paterson, J. H., 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., F.R.S.

(Palæozool.) Reader.
Brighton, A. G., M.A. Chr.

Lectr. and Curator of
Sedgwick Museum.

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

Bruford, W. H., M.A. Joh.
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.

Trevelyan, C. H., M.A. King's.

Assistant Lecturers

Gray, R. D., M.A., Ph.D. Emm.

Green, D. H., B.A. Trin.

Lector

Pieper, H., Cand. Phil. Bonn.

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.

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. Jean O., M.A.,
Ph.D. Girton.

Miller, E., M.A. Joh.

Morris, G. C., M.A. King's.

Pickthorn, K. W. M., M.P., M.A.,
Litt.D. Corp.

Plumb, J. H., Ph.D. Chr.

Purcell, V. W. W. S., Ph.D. Trin.

Salter, F. R., M.A. Magd.

Saltmarsh, J., M.A. King's.

Smail, R. C., M.B.E., M.A., Ph.D.
Sid.

Thomson, D., M.A., Ph.D. Sid.

Ullmann, W., M.A. Trin.

Welbourne, E., M.C., M.A. Emm.

White, R. J., M.A. Down.

Wilson, C. H., M.A. Jes.

Wormald, Rev. B. H. G., M.A. Pet.

Assistant Lecturers

Dickinson, Rev. J. C., M.A. Emm.

Elton, G. R., M.A.
Gallagher, J., M.A. Trin. (Colonial
Studies).

Hall, A. R., M.A., Ph.D. Chr.
(H. of Science).

Hibbert, A. B., M.A. King's.

Laslett, T. P. R., M.A. Joh.

Street, J., M.A. Emm. (Latin-
American Studies).

History, Ancient, v. also Classics

Jones, A. H. M., M.A. Oxon. and
Jes. Prof.

History and Institutions, American

Gabriel, R. H., M.A., Ph.D. Yale
Prof., 1951-52.

History, Eccl., v. Div.

History, Econ.

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

History, Imperial and Naval

Rich, E. E., M.A. Cath.

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.

..... 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.

Mathematical Laboratory

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

Miller, J. P., M.A., Ph.D. Trin.
Asst. Dir. of Res.

Brooker, R. A., B.Sc. Lond., M.A.
Asst. in Res.

Mutch, E. N., B.Sc. Lond., M.A.
Asst. in Res.

Mathematics, v. also Physics

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

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

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

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

Lecturers

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.

Buneman, O., Ph.D. Manc.

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

Cartwright, Mary L., M.A., Sc.D.
Girton, F.R.S.

Cassels, J. W. S., Ph.D. Trin.

Daniels, H. E., M.A. Cla.

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

Grimshaw, Margaret E., M.A.
Newn.

Hamilton, J., Ph.D. Manc., M.A. Chr.

Hoyle, F., M.A. Joh.

Ingham, A. E., M.A. King's,
F.R.S. Cayley Lectr.

Kemmer, N., M.A. Trin.
Stokes Lectr.

Lyttleton, R. A., M.A., Ph.D. Joh.
 Pars, L. A., M.A. Jes.
 Powell, F. C., M.A., Ph.D. Cai.
 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.

Ursell, F., M.A. Trin.
 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.

Assistant Lecturers

Cox, D. R., M.A. Joh.
 Northcott, D. G., M.A., Ph.D. Joh.
 Taunt, D. R., M.A., Ph.D. Jes.

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, M.A.
 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.
 Agrell, S. O., Ph.D. Tr.H.
 Lectr. and Curator.

Demonstrators

Douglas, Mrs. Audrey M. B., M.A.
 Girton.

McLaughlin, R. J. W., Ph.D. Sid.
 Muir, I. D., B.A., Ph.D. Joh.
 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.

Lecturers

Middleton, H. S., M.A., Mus.D.
 Trin.
 Moule, H. C. C., M.A., Mus.B.
 Trin.
 Ord, B., M.A., Mus.B. King's.
 Orr, R. K., M.A., Mus.B. Joh.
 Radcliffe, P. F., M.A., Mus.B.
 King's.

Assistant Lecturers

Dart, R. T., M.A. Cai.
 Tranchell, P. A., B.A., Mus.B.
 King's.

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

..... 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., O.B.E., D.Phil.
Vienna, M.A. Trin., F.R.S.

Jacksonian Prof.

Physics, v. also Philos., Nat.

Bragg, Sir W. L., M.C., O.B.E.,
Sc.D. Dub., D.Sc. Leeds,
Manc., Lisbon, Paris and
Brussels, Ph.D. Cologne,
LL.D. St. And., 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., F.R.S.
Reader.

Shire, E. S., M.A. King's Reader.

Lecturers

Cochran, W., M.A. Down.

Wilkinson, D. H., M.A., Ph.D.
Jes.

Ashmead, J., M.A., Ph.D. Trin.

Clemmow, P. C., M.A., Ph.D.
Tr. H. (Theoret. Electro-
Dynam. and Radio).

Cosslett, V. E., M.A. Oxon., Ph.D.
Brist., 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.

Wormell, T. W., M.A., Ph.D. Joh.
(Meteorol. Phys.)

Demonstrators

Baxter, A. S., Ph.D. Emm.

Briggs, B. H., M.A. Cla.

Budden, K. G., M.A., Ph.D. Joh.

Findlay, J. W., M.A., Ph.D. Qu.

French, A. P., M.A., Ph.D. Pemb.

Gold, T., M.A. Trin.

Megaw, Helen D., M.A., Ph.D.
Girton (Crystallography)

Asst. Dir. of Res.

Townsend, A. A., Ph.D. Emm.
(Exp. Fluid Mech.)

Asst. Dir. of Res.

Weekes, K., M.A., Ph.D. Magd.
(Radiophys.)

Asst. Dir. of Res.

Bradfield, J. R. G., M.A., Ph.D.
Trin. (Electron Microscopy)

Asst. in Res.

Falloon, S. W. H. W., B.A. Qu.
(Radio-Physics) Asst. in Res.

Pierce, E. T., Cai. (Met. Phys.)

Asst. in Res.

Lomer, W. M., B.A. Qu.

Asst. in Res.

Physiology, v. also Agric.

.....

Prof.

Readers

Adair, G. S., M.A. King's, F.R.S.
(Biophysics).

Matthews, B. H. C., C.B.E., M.A.,
Sc.D. King's, F.R.S. (Exper.
Physiol.).

Willmer, E. N., Sc.D. Cla. (Histol.).

Lecturers

Harris, G. W., M.D., Sc.D. Emm.

Rushton, W. A. H., Sc.D. Trin.,
F.R.S.

Pratt, C. L. G., M.A. Chr.

(Mammalian P.)

Tunncliffe, H. E., M.A. Cai.

Hammond, J., M.A. Chr. Demr.

Lewis, P. R., B.A. Oxon. Demr.
 Keynes, R. D., M.A., Ph.D. Trin.
 Demr.

Huxley, A. F., M.A. Trin.
 Asst. Dir. of Res.

Hodgkin, A. L., M.A. Trin., F.R.S.
 Asst. Dir. Physiol. Res.

Polish

Lewitter, L. R., M.A., Ph.D. 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.

Provençal

Topsfield, L. T., M.A., Ph.D. Cath.
 (also French) Asst. Lectr.

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

Bartlett, Sir F. C., M.A. Joh.,
 F.R.S. (Dir. of the Psychol.
 Lab.) Prof.

Grindley, G. C., M.A., B.Sc. Brist.
 Lectr.

Welford, Rev. 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

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.

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.

Assistant Lecturers

Andreyev, N., Ph.D. Prague.

Fennell, J. L. I., M.A., Ph.D. Trin.
 Djordjevic, I., D.D. Athens.

Sands, E. R., M.A. Emm.

Squire, P. S., M.A. Chr.

Soil Physics, v. Agric.

Spanish

Trend, J. B., M.A., Litt.D. Chr.
 Prof.

Lecturers

Barker, J. W., M.A., Ph.D. Down.
 (and Portuguese).

Bullock, T. W. I., M.A. Qu.

Grant, Mrs. Helen F., M.A. Girton.

Macdonald, Inez I., M.A., Ph.D.
 Newn.

Milburn, A. R., M.A. King's.

Dieste, R. Lector.

Martinez-Lorite, Carmen Lector.

Statistics

Wishart, J., M.A. Cla. and Edin.,
 D.Sc. Lond. Reader.

Mallett, Sheila Y., B.Com. Leeds,
 M.A. Asst. in Res.

Roy, A. D., M.A. Sid. Asst. Lectr.

Theology, v. Divinity

Tibetan, v. Oriental Langs.

Veterinary Medicine, v. also
 Animal Pathology

Pugh, L. P., B.Sc. Lond., M.A.
 (Vet. Clin. Studies) Prof.

Comline, R. S., M.A., Ph.D. Trin.
 (Vet. Physiol.) Lectr.

Green, R. A., B.Sc. Lond., Ph.D.
 Joh. (Vet. Zool.) Demr.
 Titchen, D. A., B.A. Emm. (Vet.
 Physiol.) Asst. in Res.

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., also Curator of Verte-
 brates and Strickland Cura-
 tor, Museum of Zool.

Hollick, F. S. J., M.A., Ph.D. Joh.
 Parrington, F. R., M.A. Sid., also
 Dir. of Museum of Zool.

Pringle, J. W. S., M.A. Pet.
 Salt, G., Ph.D., Sc.D. King's.

Smart, J., D.Sc. Edin., M.A. Cai.,
 also Curator of Insects,
 Museum of Zool.

Smith, S., M.A., Ph.D. Cath.

Asst. Directors of Research

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.

Rothschild, Lord G. M., M.A.,
 Ph.D., Sc.D. Trin.

Demonstrators

Goodhart, C. B., M.A. Cai., also
 Asst. Curator of Museum of
 Zool.

Hughes, G. M., M.A., Ph.D. Magd.
 Pryor, M. G. M., B.A., Ph.D.
 Trin.

Swann, M. M., M.A. Cai.

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.
 Hughes, R. E., Ph.D. Wales, M.A.
 Cla.

Jones, F. G. W., M.A. Jes.
 Leach, R., B.A. Leeds, M.A. Emm.
 Line, J., M.A. Emm.

Demonstrators

Arnold, P. W., B.Sc. Wales, M.A.
 Baldwin, G. G., B.A. Chr.
 Barker, M. G., M.A. Trin.
 Colling, A. W., B.Sc. Durh., M.A.
 Collis-George, N., Ph.D. Fitzw.
 Gilmour, D. G., M.A., Ph.D. Cath.
 Ridgman, W. J., M.A. Qu.
 Perrin, R. M. S., B.A. King's
 Asst. in Res.

Agric. Econ. and History

Menzies-Kitchin, A. W., Ph.D.
 Cath. (Agric. Econ.) Reader.
 Whetham, Edith H., M.A. Newn.
 Gilbey Lectr.

Agric. Physiology

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

Animal Nutrition

Woodman, H. E., M.A. Down.
 Reader.

Crop Husbandry

Hanley, F., M.A. Cla. Reader.

Estate Management

Lecturers

Denman, D. R., M.A. Chr.
 Elgar, W. H., M.Eng. Sheff., M.A.
 Down.
 Rathbone, R. A., B.Arch. Liv., M.A.

Miles, C. W. N., M.A. Jes.
 Lee, W. L. Asst. Lectr.
 Macintyre, D., M.A. Trin.
 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.

Soil Science

Nicholson, H. H., M.A. Selw.
 Reader.

Engineering

Baker, J. F., O.B.E., Sc.D. Cla.
 (Mechanical Sciences)
 Prof. and Head of
 Dept. of Eng.

Hawthorne, W. R., B.A. Trin.
 (Appl. Thermodyn.)
 Hopkinson and I.C.I.
 Prof.

Moullin, E. B., Sc.D. King's
 (Electrical Engineering)
 Prof.

Reader

Tipper, Mrs. Constance F., Sc.D.
 Newn.

Lecturers

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. (also
 Supt. of Engin. Workshops).
 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. Down.
 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.
 Shaw, J. C. S., M.A. Corp.
 Sterland, E. G., M.A. Chr.
 Weck, R., Ph.D. Cla.
 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.
 Parkes, E. W., M.A. Joh.
 Pascoe, K. J., M.A. Joh.
 Robinson, F. D., M.A. Cla.
 Sander, K. F., M.A. Trin.
 Spalding, D. B., M.A. Pemb.
 Swindells, B., M.A.
 Horne, M. R., M.A., Ph.D. Joh.
 Asst. Dir. of Research.

Aeronautics

Jones, Sir B. M., C.B.E., M.A.
 Emm., F.R.S.
 Aeronautical Engineer-
 ing 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., G.C., M.A. Joh.
 Lectr.
 Kay, J. M., M.A. Trin. H. Demr.

Law

Hamson, C. J., M.A., LL.M. Trin.
(Comparative Law) Reader.
Radzinowicz, L., M.A. Trin. (Crim-
inal Sci.) Dir. of Dept.
Odgers, F. J., M.A., LL.B. Emm.
(Criminal Sci.)
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.
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., M.A., 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*)

Whitby, Sir Lionel, C.V.O., M.C.,
M.A., M.D. Down. (Physic)
Reg. Prof.

Associate Lecturers

Berridge, F. R., M.A., M.B., B.Chir.
Trin. (Radiol.).
Bottomley, Janet E., M.D. Lond.,
M.A. Girton (Obstet. and
Gynæcol.).
Butler, R. W., M.A., M.D., M.Chir.
Trin. (Orthop. Surg.).
Cole, L. B., M.A., M.D. King's
(Physic).
Davies, E. B., M.A., M.D. Cla.
(Psychiat.).
Dick, A. P., M.A., M.D. Tr. H.
(Physic).
Fairbank, T. J., M.A., M.B.,
B.Chir. Trin. (Orthop. Surg.).
Gairdner, D. M. T., D.M. Oxon.,
M.A. King's (Pædiatrics).
Ghey, P. H. K., M.A., M.Chir. Joh.
(Surg.).
Harrison, G. K., M.D. Tor., M.A.
Pet. (Thoracic Surg.).
Lloyd, O., M.D. Lond., M.A.
(Obstet. and Gynæcol.).
Martin, L. C., M.A., M.D. Cai.
(Physic).
Noble, R. A., M.B., Ch.M. Syd.
(Psychiat.).
Pennell, V. C., M.A., M.B., B.Chir.
Pemb. (Surg.).
Recordon, E. G., M.A., M.D. Joh.
(Ophthalmol.).
Truscott, B. M., M.B., B.S. Lond.,
M.A. Down. (Surg.).
Walford, A. S. H., M.A., M.B.,
B.Chir. Cai. (Otolaryngol.).
Whittle, C. H., M.A., M.D. Qu.
(Dermatol.).
Wilsdon, K. F., B.M., B.Ch.,
M.A. Oxon., M.A. Pemb.
(Otolaryngol.).

Wright, G. F., M.A., M.B., B.Chir.
Corp. (Ophthalmol.).

Other Officers in the Fac. of Med.

Rook, Sir A. F., K.B.E., C.B.,
M.A. Cath., F.R.C.P.

Sr. Health Service Officer.

May, L. H. H., M.A., M.B.,
B.Chir. Trin.

Jr. Health Service Officer.

Bailey, N. T. J., M.A. Trin.
Statistician.

Wild, F., M.A., Ph.D. Down.
Res. Chemist.

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.

Rowland, Eva, M.A. Liv. and
Girton Asst. in Res.

Medicine, v. also Physic

McCance, R. A., M.A., M.D.,
Ph.D. Sid., F.R.C.P., F.R.S.
(Experimental Medicine) Prof.

Hayhoe, F. G. J., M.A., M.B.,
B.Chir. Tr. H. Lectr.

Robinson, J. R., M.A., Ph.D.,
M.B., B.Chir. Emm. (Exper.
Med.) Asst. Dir. of Research.

Martin, L. C., M.D. Cai.
Assessor to Reg. Prof.
Physic.

Mental Pathology, v. Psychol., Clin.

Morbid Histology

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

Pathology

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

Greaves, R. I. N., M.A., M.D.
Cai. (Bacteriol.) Reader.

McCullagh, G. P., M.D. Belf.,
M.A. Qu. Lectr.

Naylor, G. R. E., M.A., M.B.,
B.Chir. Cai. Lectr.

Cater, D. B., M.A., M.D. 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 Hos-
pital.

Marks, J., M.B., B.S. Lond., M.A.
Down.

Univ. Asst. Pathologist
to Addenbrooke's Hos-
pital.

Pathology, Chemical

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

Pathology, Special

Stoker, M. G. P., M.D. Cla.
Huddersfield Lectr.

Pharmacology

Verney, E. B., M.A., M.B., B.Chir.
Down., F.R.C.P., F.R.S.
Sheild Prof.

Howarth, F., M.D. Manc., M.A.
Down. Lectr.

Habgood, J. S., B.A. King's
Demr.

Jewell, P. A., M.A. Joh.
Asst. in Res.

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.
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- Ashmead, J., M.A., Ph.D., *U. Lectr. (Physics)*.
- Oatley, C. W., M.A., *U. Lectr. (Engin.)*.
- Middleton, H. S., M.A., Mus.D., *U. Lectr. (Music), Organist*.
- 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., K.C., M.A., LL.D.,
F.B.A., *Whewell Prof. (Internat. Law)*.
- Fox, E. N., M.A., *U. Lectr. (Engin.)*.
- Kemball, C., M.A., Ph.D., *Jr. Bursar, U. Demr. (Phys. Chem.)*.
- Browne, B. C., M.A., *Reader (Exp. Geophysics)*.
- Bradfield, J. R. G., M.A., Ph.D.,
Asst. in Res. (Phys.).
- Arkell, W. J., D.Sc. Oxon., M.A.,
F.R.S.
- Williams, Rev. H. A., M.A.
- Frish, O. R., O.B.E., D.Sc., 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., Ph.D.
- Eggleston, H. G., M.A., Ph.D.
- Gallagher, J., M.A., *U. Asst. Lectr. (Hist.)*.
- Keynes, R. D., M.A., Ph.D., *U. Demr. (Physiol.)*.
- Milsom, S. F. C., M.A., *U. Asst. Lectr. (Law)*.
- Owen, A. R. G., M.A., Ph.D., *U. Lectr. (Genetics)*.
- Sondheimer, E. H., M.A., Ph.D.
- Radzinowicz, L., M.A., *Dir. of Dept. of Criminal Sci.*
- Lewis, W. V., M.A., *U. Lectr. (Geog.)*.
- Cassels, J. W. S., Ph.D., *U. Lectr. (Maths.)*.
- Jones, D. M., M.A.
- Simpson, O., Ph.D., M.A.
- Bezodis, P. A., B.A.
- Elliott, W. H., M.A., Ph.D.
- Green, D. H., M.A.
- Davidson, J. F., M.A.
- Ryle, M., M.A., *U. Lectr. (Physics)*.
- von Wright, G. H., M.A., *Prof. (Philos.)*.
- Morrison, J. S., M.A., *Tutor, U. Lectr. (Classics)*.
- Nockolds, S. R., Ph.D., *U. Lectr. (Min. and Pet.)*.
- Redpath, R. T. H., M.A., Ph.D., *U. Asst. Lectr. (Engl.)*.
- Page, D. L., M.A., *Regius Prof. (Greek)*.
- Barlow, H. B., M.A., M.B., B.Chir.
- Barnes, E. S., B.A.
- Cary, G. A., B.A.
- Faber, T. E., B.A.
- Mitchison, J. M., M.A., Ph.D.
- Osborne, D. V., M.A., Ph.D.
- Swinerton-Dyer, H. P. F., B.A.
- Hawthorne, W. R., M.A., *Prof. (Appl. Thermodyn.)*.

TRINITY HALL. Founded 1350. Telephone: 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., LL.B.
Bursar, Steward, Prælector, U. Lectr. (Law).

- Clarke, L. C. G., M.A.
 Gutteridge, H. C., K.C., M.A., LL.D.
 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., O.B.E., Ph.D.,
 Sc.D., *Reader (Surface Chem.)*.
 Chadwick, Rev. W. O., M.A., *Asst.*
Tutor, Librarian, U. Lectr. (Div.).
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 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.*
(Engin.).
 Young, F. G., M.A., F.R.S., *Prof.*
(Biochem.).
 Storey, G., M.A.
 Kirk, G. S., M.A.
 Crutchley, B., M.A. (*Univ. Printer*).

FITZWILLIAM HOUSE: NON-COLLEGIATE STUDENTS. Established 1869.
Telephone: Cambridge 4779. Censor—W. S. Thatcher, M.C., M.A.; *Asst.*
 Censor, Bursar—W. W. Williams, M.A.; Tutor: R. N. Walters, M.A.

Directors of Studies. *Agriculture*: S. Dickinson, M.A. *Class. and Engl.*:
 R. N. Walters, M.A. *Geography*: A. Hyde, M.A. *History*: C. L. Wayper, M.A.,
 Ph.D. *Law*: C. H. Ziegler, LL.M. *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*: J. B. Whitworth, Ph.D.

WOMEN'S COLLEGES

GIRTON COLLEGE. Founded 1869. *Telephone*: Cambridge 76219.

Mistress—Mary L. Cartwright, D.Phil. Oxon., M.A., Sc.D., F.R.S.

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 McMorran, Helen I., M.A., *Vice-*
Mistress, Librarian and Registrar
of the Roll.
 Lloyd Thomas, Mary G., M.A.
 Peace, Kathleen M., M.A., *Secretary*.
 Jeffreys, 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.).
 Fairlie, Alison A. B., Ph.D., *U. Lectr.*
(French).
 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. Lond.,
 M.A., *Prof. (Slavonic Studies)*.
 Cam, Helen M., M.A., Litt.D., F.B.A.
 Bishop, Ann, Sc.D., *Research Fellow*.
 Gowdridge, Barbara M., *Research*
Fellow.
 May, Anthea D., *Research Fellow*.
 de Mourgues, Mme Odette M. H. L.,
 Ph.D., *U. Asst. Lectr. (French)*.
 Douglas, Mrs. Audrey M. B., M.A.,
 Ph.D., *Res. Fellow, U. Demr.*
(Mineral.).
 Willey, Florence J. L., M.A.

NEWNHAM COLLEGE. Founded 1871. *Telephone*: Cambridge 2478.

Principal—Dame Myra Curtis, D.B.E., M.A.

Fellows

- | | |
|--|--|
| Chrystal, Edith M., M.A., <i>Vice-Principal, Tutor, Prælector and Librarian.</i> | Robertson, Annie M., M.B.E., M.A., <i>Tutor, Jr. Bursar.</i> |
| White, Mrs. Alice B., M.A., Ph.D. Yale, <i>Bursar.</i> | Behrens, Catherine B. A., M.A. Oxon., <i>U. Lectr. (Hist.).</i> |
| Welsford, Enid E. H., M.A., <i>U. Lectr. (English).</i> | Cohen, Ruth L., M.A., <i>U. Lectr. (Econ.).</i> |
| Pybus, Helen J., M.A., <i>Tutor.</i> | Simpson, Delia M., Ph.D. |
| Toynbee, Jocelyn M. C., M.A., D.Phil. Oxon., <i>Prof. (Class. Archæol.).</i> | Wallas, May G., M.A., Ph.D. Lond., <i>U. Lectr. (French).</i> |
| Horton, Mrs. Ann C., M.A., D.Sc. Lond., <i>U. Lectr. (Physics).</i> | Edmonds, Sheila M., M.A., Ph.D. |
| Grimshaw, Margaret E., M.A., <i>U. Lectr. (Maths.).</i> | Morris, Irene V., M.A. Belf., M.A. |
| Mitchell, Jean B., M.A., <i>U. Lectr. (Geog.).</i> | Burton, Kathleen M. P., M.A., <i>U. Asst. Lectr. (Engl.).</i> |
| | Lobban, May C. C., M.A., Ph.D. |
| | Sweeting, Marjorie M., M.A., Ph.D., <i>Research Fellow Member.</i> |
| | Burme, Patience, M.A. |
| | Lambert, Joyce M., M.A. |

RECOGNIZED INSTITUTION FOR WOMEN

HUGHES HALL (formerly known as the Cambridge Training College for Women). Founded 1885. *Telephone*: Cambridge 4090.

Principal—Eleanor M. Verini, M.A. Oxon. and Girton.

GENERAL INFORMATION

The University of Cambridge may be said to have originated in the 12th century and before the beginning of the 13th it was almost certainly a recognized centre of study. It is a common law corporation, being a corporation by prescription consisting of a Chancellor, Masters and Scholars, who from time out of mind have had the government of their members and enjoyed the privileges of such a corporation; but its incorporation has been confirmed by statute. In 1318 Cambridge received from Pope John XXII formal recognition as a *studium generale* or *universitas*. In 1571 by Act of Parliament 13 Elizabeth, Cap. 29, *An Acte for Thincorporation of bothe Thuniversityes*, the incorporation of the Univ. and all privileges then held under Charter or by prescription were confirmed.

The legislative and executive authority of the Univ. is vested in the REGENT HOUSE, which consists of those members of the Senate who are engaged in the teaching and administrative work of the Univ. Certain formal functions, and a right of appeal from the Regent House, are reserved to the Senate, which consists of Doctors, Masters and B.D.'s.

Changes of statute can be made by the Univ. with the approval of the Privy Council.

Many executive duties, and the duty of sanctioning the submission of resolutions (called *Graces*) to the Regent House and the Senate, are entrusted to the *Council of the Senate*, which is elected by the Regent House.

The titular presiding officer at a Congregation, and the Chairman of the Council, is the Chancellor, who is by custom a non-resident distinguished in public life. His duties are in fact performed by the Vice-Chancellor, who is

a Head of a College, appointed annually, in theory by the Regent House, in practice by the Council. It is customary for the Vice-Chancellorship not to be held for more than two years in succession by one person.

There are numerous *Boards* and *Syndicates* for dealing with the various branches of University business: the most important of them are the *General Board of the Faculties*, whose duty it is to advise the Univ. as to educational policy and to supervise and co-ordinate the work of the Faculties, and the *Financial Board*, whose duty it is to supervise the financial affairs of the Univ.

There are twenty Faculties: a Faculty being a body of persons furthering the study of a subject or group of subjects. The organization of teaching, research and examinations in the various subjects is in the hands of the several Faculty Boards, subject to the control of the General Board. A Faculty Board is in part composed of members elected by the Faculty. Some of the Faculties are divided into Departments, each under a Head, generally a Professor, who is responsible under the Faculty Board for its management. There are also some Departments independent of any Faculty.

The **INCOME** of the Univ. is derived from the endowments of specific posts, from general endowment (though to a small extent only), from the fees of students, from the statutable contributions of Colls. and from a Treasury Grant.

DISCIPLINE outside the walls of the Colls. is maintained by the Proctors.

The **COLLEGES** (18 for men, 2 for women) are self-governing corporate bodies distinct from the Univ., owning and managing their separate property. Their powers are, however, limited by their statutes, which cannot be altered by them without notice to the Univ. and approval by the Privy Council. The functions of the Colls. in regard to students are to provide lodging, corporate life and personal tuition, while the function of the Univ. is to provide public instruction by means of lectures and demonstrations, examinations leading to degrees and facilities for research. The affairs of the Colls. are, however, closely interwoven with those of the Univ. Most of the Fellows of Colls. are Univ. officers. Each Coll. is required by statute to contribute a certain fraction of its income to the funds of the Univ., the scale of contribution being graduated according to the College revenues.

The Colls. also maintain Fellowships for the furtherance of research, and a large number of Scholarships. The title of scholar is awarded on purely intellectual grounds, but no Coll. emolument other than an allowance for rooms is paid to an undergraduate scholar unless he satisfies the Coll. that his circumstances justify the payment.

NON-COLLEGIATE STUDENTS reside in licensed lodgings or in "Houses" recognized by the Non-Collegiate Students' Board. Such students by becoming members of Fitzwilliam House obtain opportunities for taking part in communal life (dining in Hall, belonging to athletic clubs, etc.) similar to those enjoyed by members of Colleges.

ADMISSION. See Appendix I.

The **ADVISER TO OVERSEAS CANDIDATES FOR ADMISSION** (N. S. Wilson, M.A. Pemb.), whose office address is 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. A University Health Centre, including a gymnasium, is approaching completion.

NON-MEMBERS OF THE UNIVERSITY. Under certain conditions persons who are not members of the Univ. may be admitted to courses of instruction or allowed to work in Univ. labs. for limited periods. Enquiries should be addressed to the Registry.

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): 1951-52—Oct. 8 to Dec. 6; Jan. 15 to Mar. 15; 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 hon. examn. or an examn. for a Cert. of Proficiency, followed by two of these Special Examns., Latin, Greek, History, Law, English, each lang. regularly included in the Mod. and Mediæval Langs. and Oriental Langs. Triposes, Geog., Moral Science, Maths., each whole subject of Part I of the Natural Sciences Tripos. Or (b) the Examns. in *Agriculture*, (c) in *Estate Management*, (d) in *Architectural Studies*, (e) in *Engineering Studies*, or (f) in *Christian Theology*.

Certain combinations of (a), (b), (c), (d), (e) and (f) are allowed, and also certain combinations of parts of (a) with parts of the course for the M.B. or the Mus.B., or with parts of a Tripos course.

Degree with Honours: obtained by gaining hon. 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 dis-

sertation 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 honrs. 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 1st 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 1st 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., Anthropol., Archit., Class. Archæol., Comparative Legal Studies, Internat. Law, Economics, Education, Estate Management, Prehistoric Archæol., Mathematical Statistics and Oriental Langs., the diplomas in Anthropol., 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.

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 is for the time being in abeyance. The Air Squadron and the Training Corps (T.A.) continue to operate. Regular Commissions in the Army and R.A.F. are now granted direct to graduates. Sec., L. M. Harvey, M.A., Univ. Registry.

THE DEPARTMENT OF EDUCATION (Prof. of Educn.—G. R. Owst, Litt.D. Emm.; Director of Women Students—Eleanor M. Verini, M.A. Oxon. and Girton; Sec. of the Dept.—A. G. Hunt, M.A. Pet.), 17 Brookside, Cambridge (*Telephone*: Cambridge 4357), is under the general control of the Education Syndicate.

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 (*Telephone*: Cambridge 54451).

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. 19) 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

exhbn. 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 exhbn.; 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, 1952.

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 £350, 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 (for names of officers see "Administrative and other Staff," *supra*) is responsible for all matters concerning employment suitable to members of the University. Address: 6 Chaucer Rd., Cambridge. *Telegrams*: Appointments, Cambridge. *Telephone*: 54242/3.

CAMBRIDGE UNIVERSITY WOMEN'S APPOINTMENTS BOARD, 6 Chaucer Road, Cambridge (*Telephone*: Cambridge 2629). Interviews by appointment only.

The UNIVERSITY LIBRARY contains over 1,500,000 vols., including many early printed books, and over 10,000 MSS. and 250,000 maps. It is entitled under the Copyright Act to a copy of every book published in Gt. Britain and Ireland, and a large number of foreign books and periodicals are acquired by purchase. It contains, amongst others, the following remarkable collections: Acton library (mediæval, ecclesiastical and modern history, 60,000 vols.); W. G. Aston's Japanese library; Sir T. Wade's Chinese books; J. W. Clark collection (Cambridge books, pamphlets, papers, etc.). The annual budget is about £65,000. In addition there are Departmental Libraries, some of considerable importance.

Each College has a library. Among special collections in College libraries are: in Christ's College the Robertson Smith collection of Oriental books, many of which are connected with Semitic literature; in Gonville and Caius College 800 MSS., 60 *incunabula*, heraldic collections of Dr. John Knight (17th cent.), 1300 books and controversial pamphlets of Dr. Wm. Branthwaite (d. 1619), Norfolk and Suffolk topographical and genealogical works; in Girton College small collections of Oriental books, chiefly Sanskrit (Cowell) and Hebrew (Frere—printed catalogue), and Botany books and pamphlets (Ethel Sargent).

MUSEUMS. (a) Art and Archæology.

The Fitzwilliam Museum (Director—C. Winter, M.A. Trin.), Trumpington

St., Cambridge (*Telephone*: Cambridge 4023), contains a large and valuable collection of paintings, drawings, engravings, Egyptian and Greek antiquities, ceramics, coins, illustrated MSS., autographs, early printed books and music.

The Museum of Classical Archaeology (Curator—Prof. Jocelyn M. C. Toynbee, M.A. Newn.), Little St. Mary's Lane, Cambridge (*Telephone*: Cambridge 2410), contains a collection of casts illustrating the history of Greek sculpture.

The Museum of Archaeology and Ethnology (Curator—G. H. S. Bushnell, M.A., Ph.D. Down.), Downing St., Cambridge (*Telephone*: Cambridge 4937), has a large and increasing collection, including Saxon urns and ornaments, casts of Central American monuments, Egyptian stone implements, unique Fijian collections, and numerous others resulting from scientific expeditions by Cambridge men.

(b) Science.

The following should be specially mentioned:

The Museum of Zoology (Director—F. R. Parrington, M.A. Sid.), Downing St., Cambridge (*Telephone*: Cambridge 2325).

Sedgwick Museum of Geology (Curator—A. G. Brighton, M.A. Chr.), Downing Street (*Telephone*: Cambridge 4129).

Museum of History of Science, Corn Exchange St., Cambridge.

LABORATORIES AND FIELD STATIONS.

Laboratories include those of Agric., Anat., Biochem., Bot., Chem., Eng., Exper. Physics (Cavendish), Genetics, Hum. Anat., Ethnol., Med., Mineral., Parasit. (Moltano Inst.), Path., Physiol., Psychol., Zool., Chem. Eng. In addition the following should be specially mentioned:

Mathematical Laboratory (Director—M. V. Wilkes, M.A., Ph.D. Joh.), Corn Exchange St., Cambridge (*Telephone*: Cambridge 5174), for research on computing machinery.

Botanic Garden (Director—J. S. L. Gilmour, M.A. Cla.), Bateman Street, Cambridge (*Telephone*: Cambridge 4101).

Scott Polar Research Institute (Director—G. C. L. Bertram, M.A., Ph.D. Joh.), Lensfield Rd., Cambridge (*Telephone*: Cambridge 2983).

THE OBSERVATORIES (Director—Prof. R. O. Redman, M.A., Ph.D. Joh.), Madingley Rd., Cambridge, are about a mile from Cambridge and have the Northumberland equatorial 12-in. aperture; the Sheepshanks photographic equatorial 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 cœlostast and spectrograph, Huggins telescopes, 3-foot reflector, etc.

THE OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards a General Certificate of Education which exempts the holder, under certain conditions, from Responsions and the Previous Examination, the 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. 20. 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. (*Telephone*: Cambridge 4658); at Oxford—G. J. R. Potter, M.A., 74 High St. (*Telephone*: Oxford 3549).

THE 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.

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. 20.

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. The subjects of these overseas school examns. correspond closely to those of the General Certif. of Educn. and carry the same exemptions.

Examns. in English. These examns. for students whose mother tongue is not English are conducted in association with the British Council, and are held in Gt. Britain and about 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. hon. 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 (*Telephone*: Cambridge 55217); Sec.: J. L. Brereton, M.A.; Asst. Secs.: T. S. Wyatt, M.A., A. V. Hardy, M.A.

THE BOARD OF EXTRA-MURAL STUDIES undertake the liberal education of adults, mainly in the Eastern Counties, and in a few centres further afield. The Workers' Educational Association, together with other voluntary associations and the Local Education Authorities, are represented on the Board and are closely associated in the arrangement of its teaching work. Consultation also takes place through the Regional Consultative Council for Adult Education in the Eastern Counties. The teaching of the Board consists mainly of (a) Univ. Tutorial Classes, extending over three winter sessions; (b) Univ. Sessional Classes, usually of 20-24 meetings; (c) Univ. Extension Lecture Courses, usually of 10-12 meetings; (d) other special courses, many of a pioneer type.

Staff. The Board employ a number of pt.-time lectrs. and tutors, and have a staff of 18 full-time tutors and lectrs., including Resident Tutors in 7 county areas who, in addition to teaching, exercise a general supervision over the work of the Board and assist in the development of adult educn. in these areas.

Bursaries. The Board award annually bursaries to men and women in the adult educn. movement who have shown themselves to be capable of profiting by a course of Univ. study, but who, for various reasons, have not had the opportunity.

Summer Schools. The Board hold Vacation Courses, including (a) an

annual Summer School, in co-operation with the W.E.A., mainly for students from Tutorial and Sessional Classes, including a training course for potential tutors in adult educn.; (b) Vacation Courses for students from overseas, mainly Europe; (c) Occasional Summer Schools, in co-operation with Facs. or Depts. of the Univ., to meet special requirements.

Further particulars from the Sec., G. F. Hickson, M.A., Stuart House, Cambridge (*Telephone*: Cambridge 56275).

INSTITUTE OF EDUCATION. The Univ. Dept. of Educn. is a corporate member of the Cambridge Inst. of Educn.

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, 7s. 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) *Annals of Cambridge*, by J. W. Cooper (5 vols.); (b) *The Univ. of Cambridge*, by J. B. Mullinger (3 vols. to the later 17th cent.); (c) College Histories, 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.

CAMBRIDGE UNIVERSITY PRESS (for names of staff see "Administrative and other Staff," *supra*), Trumpington St., Cambridge (*Telephone*: Cambridge 4226); Bentley House, 200 Euston Rd., London, N.W.1 (*Telephone*: Euston 5451); 51 Madison Avenue, New York, 10, U.S.A. (*Telephone*: MU 9-3886).

THE YEAR 1949-50

BENEFACTIONS. Benefactions have been received from Sir R. H. Biffen, C. D. Borrer, British Steel Founders' Asscn., Prof. S. A. Cook, J. H. Doncaster, English Electric Co. Ltd., Mrs. C. M. Gadow, I.C.I. Ltd., Mrs. A. S. Johns (£3000), W. Jowett (£5000), May and Baker Ltd., Mond Nickel Co. Ltd., Executive Cttee. of the National Art Collections Fund, Nuffield Foundation (£21,000), F. Perkins Ltd., Rockefeller Foundation (£5000), Royal Institution, W. F. Sedgwick (£6000), Vauxhall Motors Ltd.

NEW BUILDINGS. A second large addition to the Engin. Lab. is in course of erection, and work upon the Vet. School has begun.

NEW DEPARTMENTS AND POSTS. Professorships of Economics, Persian, Scandinavian Studies, Vet. Clinical Studies, and Applied Thermodynamics have been established during the academical yr.

CHANGES IN REGULATIONS. New regns. for the Modern and Mediæval Languages Tripos have been approved.

RETIREMENTS. *Professors*: H. A. Hollond (Rouse Ball Prof. of English

Law); J. H. Hutton (William Wyse Prof. of Social Anthropol.); J. E. Littlewood (Rouse Ball Prof. of Maths.); C. E. Raven (Regius Prof. of Divinity); D. S. Robertson (Regius Prof. of Greek). *Readers*: H. H. Thomas (Reader in Plant Morphol.); H. Gilbert-Carter (Lectr. in Bot. and Dir. of the Botanic Gdns.). *Lectrs.*: A. L. Bird (Engin.); R. Meldrum (Educn.); B. T. D. Smith (Div.).

RESIGNATIONS. *Readers*: M. Hynes (Med.), on appt. as Pathologist at the Royal Northern Hospital; E. Orowan (Physics of Metals), on appt. as Prof. of Mech. Engin. at M.I. of T. *Lecturers*: E. H. F. Baldwin (Biochem.), on appt. as Prof. of Biochem., Univ. Coll., London; J. W. Davidson (Colonial Studies), on appt. as Prof. of Pacific Hist., Australian National Univ.; S. Devons (Phys.), on appt. as Prof. of Physics, Imperial Coll. of Science and Technol.; H. J. Habakkuk (Econ.), on appt. as Chichele Prof. of Econ., Univ. of Oxford; W. Hamilton (Classics), on appt. as Head Master of Westminster School; F. S. Dainton (Humphrey Owen Lectr. in Phys. Chem.), on appt. as Prof. of Inorganic and Phys. Chem., Univ. of Leeds; W. Deer (Min. and Pet.), on appt. as Prof. of Geol., Palæontol., and Petrol., Univ. of Manchester; L. W. Forster (German), on appt. as Prof. of German, Univ. Coll., London; H. C. H. Gurney (Engin.), on appt. as Prof. of Engin., Univ. Coll., Cardiff; W. J. O'Connor (Pharm.), on appt. as Lectr. in Phys., Univ. of Leeds; J. E. Smith (Lectr. in Zool. and Curator of Invertebrates in the Mus. of Zool.), on appt. as Prof. of Zool. at Queen Mary Coll., Univ. of London; R. J. Pumphrey (Asst. Dir. of Res. in Zool.), on appt. as Derby Prof. of Zool., Univ. of Liverpool; H. P. Whiting (Demr. in Zool. and Asst. Curator of the Museum of Zool.), on appt. as Lectr. in Vertebrate Zool. in Univ. of Bristol.

DEATHS. C. F. Angus (Sr. Fellow and Vice-Master of Trinity Hall, Emeritus Reader in Classics); A. B. Appleton (formerly Fellow of Downing and sometime Univ. Lectr. in Anat.); S. F. Armstrong, M.A. (Christ's College); Miss K. T. B. Butler (Hon. Fellow and formerly Mistress of Girton and Univ. Lectr. in Italian); Sir M. A. Cassidy (Hon. Fellow of Clare); S. A. Cook (Fellow of Gonville and Caius, Emeritus Prof. of Hebrew); J. N. Keynes (Sr. Hon. Fellow of Pembroke, Registry Emeritus); W. L. Knox (Fellow of Pembroke); R. H. Rastall (Fellow of Christ's, formerly Univ. Lectr. in Mineral. and Petrol.); W. H. D. Rouse (Hon. Fellow, formerly Fellow of Christ's); Field-Marshal the Rt. Hon. J. C. Smuts (Hon. Fellow of Christ's, Chancellor of the Univ.); Field-Marshal Earl Wavell (Hon. Fellow of Sidney Sussex).

HONORARY DEGREES. *LL.D.*—Visc. Samuel; Sir Brian H. Robertson, United Kingdom High Commissioner for Western Germany; Sir Gerald F. Kelly, Trinity Hall, Pres. of Royal Academy of Arts. *Sc.D.*—V. Bush, President of the Carnegie Institution of Washington; W. S. Middleton, Pres. of American Coll. of Physicians, Dean of Medical School of Univ. of Wisconsin. *Litt.D.*—E. M. Forster, Hon. Fellow of King's; S. Morison. *Mus.D.*—Rev. E. H. Fellowes. *M.A.*—Lord Fairhaven; E. G. G. Frost; W. P. Philip.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	184	7277
Women	43	709
Total	227	7986

Included in the number of full-time students are 1416 postgraduate students and 2799 first-year admissions.

DEGREES. B.A., 2299; M.A., 1494; B.D., 3; D.D., 1; LL.M., 1; LL.B., 92; Litt.D., 3; M.D., 36; M.B., B.Chir., 151; Mus.B., 7; Ph.D., 138; Sc.D., 9; M.Sc., 6.

[Information compiled as at 17/4/51 ;
Staff list revised on 10/9/51.]

UNIVERSITY OF DURHAM*

Founded 1832

UNIVERSITY OFFICES :

46 North Bailey, Durham. *Telephone* : Durham 900-901.

23 St. Thomas' Street, Newcastle upon Tyne, 2. *Telephone* : Newcastle 21278.

(Correspondence should be addressed to the Durham office unless otherwise indicated.)

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—GEORGE MACAULAY TREVELYAN, O.M., C.B.E., M.A.,
Litt.D. Camb., D.Litt., F.B.A.

VICE-CHANCELLOR—Rt. Hon. LORD EUSTACE PERCY, M.A. Oxon.,
LL.D. Edin., Hon. LL.D. Natal, D.C.L.

PRO-VICE-CHANCELLOR—Sir JAMES DUFF, M.A. Camb., M.Ed. Manc.,
LL.D. Aberd.

HON. TREASURER—Sir THOMAS BRADFORD, D.S.O., D.L., D.C.L.

REGISTRAR—W. S. ANGUS, M.A. Oxon., LL.B. Liv.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICES. Asst. Registrars : E. M. Bettenson, M.A. Camb.,
I. E. Graham, M.A. Edin. ; Financial Clerk : C. E. Stobart.

APPOINTMENTS BOARD OFFICE. Appts. Officer : W. N. Austin ; Asst.
Appts. Officers : T. C. Archbold, B.Sc., B. E. Q. Smith, B.Sc. (Econ.) Lond.,
H. V. Walters, B.Sc., Ph.D. Lond.

SCHOOL EXAMINATIONS BOARD OFFICE. Sec. : A. B. Sainsbury, B.A. Oxon.

DIVISIONS OF THE UNIVERSITY

Durham Colleges : *see* p. 114.

King's College, Newcastle upon Tyne : *see* p. 120.

INSTITUTE OF EDUCATION

The Institute of Education examines students in University Depts. of Education and in Training Colleges associated with the University through the Institute, and provides facilities for further study for teachers already qualified and in practice. The Institute's headquarters are at Kepier Terrace, Gilesgate, Durham. Director : Prof. B. Stanley, M.A. Oxon. (For list of Training Colleges and staff of Institute, *see* p. 135.)

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

AFFILIATED COLLEGES

A. Colleges in which students may matriculate, keep terms, and pass exams., 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, B.W.I. 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. Tutors: Theology—Rev. A. T. Coleman, B.D.; Classics—Rev. B. N. Y. Vaughan, M.A.; Medicine—E. B. Carter, M.D., C.M.

FOURAH BAY COLLEGE, P.O. Box 87, Freetown, Sierra Leone, W. Africa. 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—F. R. Dain, M.A., Dip.Ed. Oxon.; Vice-Principal and Hd. of Univ. Dept.—Rev. F. H. Hilliard, B.D., Ph.D. Lond., Teaching Cert. Camb.; 18 Tutors.

B. SUNDERLAND TECHNICAL COLLEGE, Sunderland, Durham (*Telephone* : Sunderland 4447). 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 Univ. The College is represented on Senate and on the Board of the Faculty of Applied Science. Principal—D. A. Wrangham, M.Sc. Lond., D.I.C.

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.

LIBRARIES. See under the Divisions.

DEANS OF FACULTIES—*Theology* : Rev. W. A. Whitehouse; *Arts* : Prof. E. Hughes; *Medicine* : Prof. R. B. Green; *Science* : Prof. D. H. Valentine; *Applied Science* : Prof. L. C. Burrill; *Music* : Prof. A. J. B. Hutchings; *Commerce* : A. M. Milne; *Law* : E. C. Ryder; *Education* : Prof. J. P. Tuck; *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.' 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.

LICENCE. *Dental Surgery*, open to matriculated students after 4 yrs.' professional study subsequent to registration.

DIPLOMAS. *Theology*—open to grads. of a Univ. of the British Commonwealth after 6 terms at Durham. *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. *Landscape Design*—3 terms' course. *Public Health*—open to candidates who hold a Cert. in Public Health after an approved course. *Psychological Medicine*—open to candidates who have held a registrable medical qualification for not less than two yrs. and a resident hospital appt. in general medicine, after an approved course. *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 Univs. after 3 terms' course. *Anthropology*—open to grads. of approved Univs. after 2 yrs.' course.

CERTIFICATES. *Biblical Studies*—3 terms' course. *Social Studies*—2 yrs.' course. *Public Health*—open to candidates who have held a registrable medical qualification for not less than two yrs. after 1 term's 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.C.L., M.D.S., £12; B.Mus., £10; D.Mus., £9.

Degrees—for initial degrees, £4: 10s. (B.Mus., £5: 10s.); 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. Addresses: 46 North Bailey, Durham (Telephone: 900-901), and King's College, Newcastle upon Tyne (Telephone: 26351).

OBSERVATORY. The University Observatory was instituted in 1839, and the building was erected in 1841. Equipped for work in astronomy,

meteorology and seismology. The library at the Observatory includes a valuable collection of periodicals and other publications on these subjects.

EXTRA-MURAL WORK. In conjunction with the Northern District of the W.E.A., the Univ. in its two Divisions provides Tutorial Classes, Sessional Classes and Univ. Extension Courses in a wide variety of subjects for extra-mural adult students in the counties of Durham, Northumberland, Cumberland and Westmorland. These classes are conducted by divisional Boards for Extra-mural Studies under the Ministry of Education Regs. for Adult Education and are partly financed by grants from the Ministry and from Local Education Authorities.

GRADUATES' ASSOCIATIONS. The Durham University Society (London) was founded in 1921. Meetings held in London. Hon. Sec.: Rev. E. B. Murray, 353B Capthorne Court, Alexandra Avenue, Harrow, Middlesex. Graduate associations also exist in most or all of the Colleges in the University (*see under* King's College).

UNIVERSITY MILITARY AND AIR FORMATIONS. The University Training Corps (T.A.) provides pre-service military training for students who have deferred their national service, and post-service military training for ex-service students who have part-time military obligations to discharge in the Territorial Army. Information from Adjutant, Headquarters, Durham Univ. Contingent of the U.T.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

The University of Durham Air Squadron provides training during their Univ. career for members of the University who wish to prepare themselves for commissioned service in the R.A.F. or in the R.A.F. Auxiliary and Reserve Forces, or in the regular or auxiliary air forces of the Dominions. Information from Sec., Durham Univ. Air Squadron, 7 Windsor Crescent, Jesmond, Newcastle upon Tyne.

The Durham University Company W.R.A.C. provides training for women undergraduates who may wish to take regular or short service commissions in the W.R.A.C. or other Corps open to women on completion of their Univ. course, and provides further military education for ex-service women undergraduates who have reached commissioned rank during whole-time service in the women's forces. Information from Officer Commanding, W.R.A.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

PUBLICATIONS. *Univ. Cal.* (Oct.), Vol. I.—Almanack, Statutes, Lists, etc.; Vol. II.—Regulations for Degrees: 7s. 6d. per vol.; *Durh. Univ. Journal* (oldest Univ. Mag. in England), once a term, 2s.; *Riddell Memorial Lectures* (Jan.), normally 2s. 6d.

THE YEAR 1949-50

INSTALLATION OF CHANCELLOR. George Macaulay Trevelyan, O.M., of Hallington Hall, Northumberland, Master of Trinity College, Cambridge, was installed as the sixth Chancellor of the University on May 24, 1950.

BENEFACTION. Legacy of £500 under the will of the Rev. T. M. O. Mac-knight Heward of Bath.

PRINCIPAL CHANGES IN REGULATIONS. Senate approved regns. allowing members of staff to become candidates for the Ph.D.

DEATHS. Sir Walter Norman Haworth, Prof. of Organic Chem. at Newcastle from 1920 to 1925; Emeritus Prof. H. J. Hutchens, Prof. of Comparative Pathol. and Bacteriol. at Newcastle from 1908-32; Emeritus Prof. A. Meek,

Prof. of Zool. at Newcastle from 1906 to 1932 ; Emeritus Prof. R. P. Ranken Lyle, Prof. of Midwifery and Gynæcol. at Newcastle from 1908 to 1935 ; H. G. Theodosius, Registrar of the Univ. from 1914 to 1937 ; Prof. G. W. Todd, Prof. of Experimental Physics at Newcastle from 1919 to 1950 ; Emeritus Prof. J. J. Welch, Prof. of Naval Architect. at Newcastle from 1906 to 1928.

HONORARY DEGREES. *D.D.*—Rt. Rev. N. Hudson, Bishop of Newcastle upon Tyne ; Very Rev. J. Lowe, Vice-Chancellor of the Univ. of Oxford. *D.C.L.*—Visc. Allendale, H.M. Lieut. for County of Northumberland ; Rt. Hon. L. S. Amery ; C. Cookson ; Sir James Duff, Vice-Chancellor of the Univ. ; C. A. Elliott, Provost of Eton College ; J. H. B. Forster, Vice-Chairman of the Council of the Durham Colls. ; Prof. R. B. Green, Dean of Medicine in the Univ. ; Sir Mark Hodgson, member of Council of King's College ; Lord Macmillan. *D.Sc.*—Prof. E. D. Adrian, Prof. of Physiology, Univ. of Cambridge ; Prof. Sir Lawrence Bragg, Cavendish Professor of Experimental Physics, Univ. of Cambridge ; Dr. E. F. Collingwood, member of Court of Univ. and of Council of King's Coll. ; Sir John Russell, President of the British Association. *D.Litt.*—Professor J. Dover Wilson, Regius Prof. of Rhetoric and English Lit., Univ. of Edinburgh, 1935-45 ; Dr. G. N. Clark, Provost of Oriel College, Oxford ; The Hon. Victoria Sackville-West ; Dorothy L. Sayers ; G. W. Young ; G. M. Young.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	238	3448
Women	66	791
Total	304	4239

Included in the above are 238 postgraduate students and 1232 first-year admissions.

DEGREES. B.Arch., 13 ; B.Sc. (Agric.), 46 ; M.Sc. (Agric.), 9 ; D.Sc. (Agric.), 1 ; Ph.D. (Agric.), 6 ; B.Sc. (Applied), 150 ; M.Sc. (Applied), 3 ; Ph.D. (Applied), 6 ; B.A., 321 ; M.A., 37 ; Ph.D., 4 ; M.Litt., 2 ; B.Com., 66 ; B.D.S., 14 ; B.D., 1 ; M.Ed., 8 ; LL.B., 17 ; M.B., B.S., 70 ; M.D., 6 ; B.Mus., 9 ; D.Mus., 1 ; B.Sc.,* 219 ; M.Sc.,* 1 ; D.Sc.,* 1 ; Ph.D.,* 18.

* Pure Science.

THE DURHAM COLLEGES

Founded 1832

Offices of Warden, Treasurer and Secretary : 38 North Bailey, Durham.
Telephone : Durham 300-301.

WARDEN—Sir JAMES DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd.,
D.C.L. (Pro-Vice-Chancellor of the University).

SECRETARY—S. HOLGATE, M.A., Ph.D.

TREASURER—J. C. R. FITZGERALD-LOMBARD, O.B.E., B.A. Camb.

LIBRARIAN—D. G. RAMAGE, M.A. Edin., F.L.A.

TEACHING STAFF

Archæology

Birley, E., M.B.E., M.A. Oxon.,
F.S.A.
(A. and Roman Frontier
Studies) Reader.

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.,
F.R.I.C. Lectr.
Musgrave, W. K. R., B.Sc., Ph.D.
Birm. Lectr.
Martin, G. R., B.Sc. Lond.
(Radiochem.) Lectr.
Kohnstam, G., B.Sc., Ph.D. Lond.
Lectr.
Thomson, S. J., B.Sc., Ph.D. Glas.
(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) Prof.
Wright, R. P., M.A. Camb., F.S.A.
Sr. 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.
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.
Willatt, J. F., M.A. Camb., M.Ed.
Sr. 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.
Holmes, B., B.Sc. Lond. Lectr.

Graham, D., M.A., B.Sc. (Econ.),
Ed.B. Glas. (Educn. Psychol.)
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.
Fage, Christine M., B.A. Camb.
Pt.-time Lectr.

French

..... Prof.
Williams, Mary, M.A. Wales,
D. de l'U. Paris, Chev. Lég.
d'H., F.R.A.I. 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.
Allen, L., M.A. Manc. Lectr.
Raby, R., L. ès L. Lecteur.
Clement, F. P. R., L. ès L.
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.
..... Demr.

Geology

Dunham, K. C., M.S., S.D. Harv.,
D.Sc. Prof.
Hopkins, W., D.Sc., Ph.D.
Sr. Lectr.
Stewart, F. H., B.Sc. Aberd., Ph.D.
Camb., F.G.S. Lectr.
Phillips, R., B.Sc. Leeds, F.G.S.
(Mineralogy) Lectr.

Rhodes, F. H. T., B.Sc., Ph.D.
Birm., F.G.S. 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.
Stader, K. H. 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.
Offler, Mrs. H. S., M.A. Oxon.
James, M. E., M.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.,
F.R.A.S. Lectr.
Whitworth, J. V., M.Sc., Ph.D.
Manc. Lectr.
Padfield, Daphne G., B.Sc. Lond.,
Ph.D. Camb. Lectr.
Atkin, A. O. L., M.A. Camb.
Lectr.

Music

Hutchings, A. J. B., B.A., B.Mus.
Lond., F.T.C.L. 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., B.A., D.Phil.
Oxon., F.S.A. (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.
Rahman, F., M.A., D.Phil. Oxon.
(Persian) Lectr.
Hill, R. L., M.A., B.Litt. Oxon.
(Near Eastern History) Lectr.
Wilson, J. V. K., B.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., T.D., 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.

Social Studies

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.

Odber, A. J., B.A. Manc. (Econ.)
Lectr.
Laing, A., B.A. (Econ.) Lectr.

Theology

Greenslade, Canon S. L., M.A.
Oxon. Van Mildert Prof.
Turner, Canon H. E. W., M.A.
Oxon. Lightfoot Prof.
Henton-Davies, The Rev. G.,
M.A., B.D. Wales, B.Litt.
Oxon. Prof.
Whitehouse, Rev. W. A., M.A.
Camb., B.Litt. Reader.
Barrett, Rev. C. K., M.A., B.D.
Camb. Lectr.
Cranfield, Rev. C. E. B., M.A.
Camb. Lectr.
Jones, Rev. D. R., B.A. Oxon.
Lectr.

Zoology

Cragg, J. B., M.Sc. Prof.
Davies, L., B.Sc. Wales, Ph.D.
Lectr.
Ashby, K. R., B.A. Camb. Lectr.
Phillipson, J., B.Sc. Durh. Lectr.

University Extension

107 Tutors were employed, of
whom 3 were on the staff of
the Extra-mural Dept. and 44
were members of the Univer-
sity Internal Staff. Director
of Extra-mural Studies: H. J.
Boyden, B.A., B.Sc. (Econ.)
Lond. Staff Tutors: D. S.
Reid, M.A., Ph.D. St. And.;
W. W. Taylor, M.A.; Kaim-
Caudle, P. R., B.Sc. (Econ.)
Lond.; Till, J. R., B.A.
Oxon.; Sec. of Northern Dis-
trict of W.E.A., C. H. Hock-
ing, B.A.

ADMINISTRATIVE AND OTHER STAFF

Asst. Treasurer of the Durham Colls.—E. Walker, D.S.O., B.A. Manc.,
B.Sc. (Econ.) Lond. Asst. Sec. (for Science) of the Durham Colleges—Beatrice
Hollingworth, B.Com.

THE DURHAM COLLEGES

UNIVERSITY (*Telephone*: 104). 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—J. C. R. Fitzgerald-Lombard, O.B.E., B.A. Camb.

HATFIELD (*Telephone*: 490). 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—J. C. R. Fitzgerald-Lombard, O.B.E., B.A. Camb.

ST. CHAD'S (*Telephone*: 81). Principal—Rev. T. S. Wetherall, M.A. Oxon. Vice-Principal—Rev. R. E. Cant, M.A. Chaplain—Rev. J. G. Graham, M.A.

ST. JOHN'S (*Telephone*: 306). Principal—Rev. R. R. Williams, M.A. Camb. Censor and Chaplain—Rev. B. Beckerleg, M.A. Camb. Senior Tutor—Rev. C. F. Whitley, M.A., B.D., Ph.D. Tutors—J. G. Cumming, M.A.; Rev. L. C. Stanbridge, B.A.

ST. MARY'S (for women) (*Telephone*: 10). Principal—Margaret B. Fergusson, M.A. St. And. and Camb. Chaplain—Rev. R. P. McDermott, B.A. Tutors—Sarah C. Errington, M.A.; Mrs. H. S. Offer, M.A. Oxon.; Ethel Watson, B.Sc. Sec. and Tutor—Christine M. Fage, B.A. Camb. Bursar—Marjorie B. Booth. Treasurer—J. C. R. Fitzgerald-Lombard, O.B.E., B.A. Camb.

* BEDE (*Telephone*: 447). Principal—Rev. Canon G. E. Brigstocke, M.A. Oxon. Vice-Principal—D. E. Webster, B.Sc., M.Ed. Lectrs.—Rev. J. R. Pearson, M.A.; G. E. Selby, M.A.; J. K. Powell; R. M. Tones, B.Sc.; 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) (*Telephone*: 91). Principal—Nina M. E. Joachim, M.A. Oxon. Chaplain—Rev. C. A. Richardson. 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.; Ann Smailes; Violet E. Dale; Kathleen M. Firby, B.Sc.; Mrs. Brenda C. Woodrow; Mrs. Mary Stewart, M.A.; C. Maude, F.R.C.O.

† NEVILLE'S CROSS (for women) (*Telephone*: 325). 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, Ch.B., B.A.O., D.P.H.; Mary A. Lawson, M.A.; C. Maude, F.R.C.O.; M. Urquhart, Mus.Bac.

ST. CUTHBERT'S SOCIETY, 12 South Bailey, Durham (*Telephone*: 300). Principal—C. Leech, M.A., Ph.D. Lond. Chaplain—Rev. R. P. McDermott. 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. Berl.; Rev. R. Thornhill,

* 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.

M.A.; S. Thornton, B.Sc.; R. T. Williams, B.A. Wales; T. J. Willmore, M.Sc., Ph.D. Lond. Secretary—H. H. Carleston, M.A.

ST. AIDAN'S SOCIETY (for women), Shincliffe Hall, Durham (*Telephone*: 635). Principal—Ethleen M. Scott, M.A. Lond. Chaplain—Rev. R. P. McDermott, B.A. Dub. Tutors—Mrs. E. H. U. de Groot, M.A. Oxon.; Helen M. Trudgian, D. ès L. Paris; Kathleen M. Chalklin, M.Sc.

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, at Shincliffe Hall, or at home.

LIBRARY. 90,000 volumes, 173 incunabula; including rare theological and patristic books.

ADMISSION. *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 and 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, £40. All the Scholarships may qualify for supplementation.

PUBLICATIONS. *Durham Colleges Handbook* (Sept.); *Durham Colleges Gazette* (twice a term); *The New Durham* (students); *Palatinate* (students' newspaper).

THE YEAR 1949-50

BENEFACTIONS. £3452 for the foundation of Bursaries at Univ. Coll. from the estate of the late E. Skene; £2000 from Mr. and Mrs. Spalding of Oxford for the Library of Dept. of Oriental Studies, together with small donations amounting to £112 to help the work of that dept., and a legacy of £250 from Rev. J. MacKnight-Heward for the benefit of Hatfield Coll. In addition, a legacy of £3652 under the will of the late J. W. Lowthian, and

donations amounting to £118 were received towards the cost of restoring the old Norman Chapel in Durham Castle, and the Pilgrim Trust have promised a grant of £3000 for the same purpose.

NEW BUILDINGS. The new wing to house 40 students in the grounds of Hatfield College was completed. It was formally opened on September 23, 1950, by the Chancellor, Dr. G. M. Trevelyan, who named it Pace Building after the Reverend Dr. E. G. Pace, former Reader in Divinity and Vice-Master of Hatfield Coll.

NEW DEPARTMENTS AND POSTS. Prior to 1950 Archæol. was a part of the Dept. of Classics. A Dept. of Archæol. has now been formed, with E. Birley as its head with the title of "Reader in Archæology and Roman Frontier Studies." The following new posts were instituted during the Session: Lectr. in Persian, Lectr. in Classics, Lectr. in English, Lectr. in Hist., Lectr. in Econ., Lectr. in Music, Lectr. in Bot., Lectr. in Zool., Staff Tutor in Extra-mural Studies, Senior Tutor in Hatfield Coll.

EXTRA-MURAL WORK. 82 classes completed the full session, 58 being tutorial classes and 24 sessional classes. There were also 6 Univ. evening courses, 43 extension lecture classes, 14 short courses, 14 single lectures and 4 Tutors' conferences. The subjects studied in tutorial and sessional classes included Engl. Lit., 20; Foreign Lit., 4; Hist., 14; Internat. Affairs, 12; Philos., 2; Religion, 8; Psychol., 5; Econ., 8; Law, 2; Geol. and Biol., 3; Art, 2; Music, 2.

VISIT BY TEACHER FROM OTHER UNIVERSITY. Prof. W. Warren of the Univ. of Florida visited the Univ. during the whole of the session under the Fulbright Scheme.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. A. L. Sells was absent during the whole of the session acting as visiting Prof. in the Univ. of Indiana.

RESIGNATIONS. Rev. Canon A. M. Ramsay, Van Mildert Prof. of Divinity, on appt. as Regius Prof. of Divinity in the Univ. of Cambridge. Prof. J. S. Morrison, Prof. of Greek and Classical Lit., on appointment as Fellow of Trinity Coll., Cambridge. Prof. L. R. Wager, Prof. of Geol., on appt. as Regius Prof. of Geol. in the Univ. of Oxford. Dr. V. A. Crawford, Lectr. in Theoretical Chem., on appt. to the National Research Council in Ottawa. Miss M. B. Harley, Lectr. in Zool., on appt. to a Lectureship at the Central Technical Coll., Birmingham.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3	827
Women	2	251
Total	5	1078

Included in the above are 62 postgraduate students and 366 first-year admissions.

DEGREES. *Arts*: B.A., 170; M.A., 15; Ph.D., 1; M.Litt., 2. *Science*: B.Sc., 70; M.Sc., 1; D.Sc., 1; Ph.D., 7. *Educn.*: M.Ed., 5. *Theol.*: B.D., 1.

KING'S COLLEGE, NEWCASTLE UPON TYNE

Founded 1937

Telephone : College—Newcastle upon Tyne 23401.

Medical School—Newcastle upon Tyne 21601.

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. (Vice-Chancellor of the University).

SUB-RECTOR—Prof. D. T. JACK, C.B.E., 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—W. S. MITCHELL, M.A. Edin., Ph.D. Aberd.

TEACHING STAFF

<i>Accounting</i>		Chalk, D. W., Dip.Arch., Cert. T.P. Manc.
Nolan, F. E. V.	Lectr.	Wood, H. S., Dip.Arch, Dip.T. and C.P. Edin.
<i>Agriculture and Rural Economy,</i> v. <i>infra</i>		Lectrs. in Evening Courses
<i>Anatomy, v. Med.</i>		Smith, J. C., Dip.Arch.
<i>Anthropology</i>		Hardy, A. C., B.Arch.
Meinhard, H. H., Dr.phil. Bonn	Reader.	Cooper, D. W., B.Sc.(Eng.) Lond.
Sheddick, V. G. J., B.A. Wales,	Lectr.	<i>Bacteriology, v. Med.</i>
Ph.D.		<i>Botany, v. also infra Agric.</i>
<i>Archæology, v. Classics</i>		Thomas, M., M.A. Camb., F.R.S.
<i>Architecture</i>		Prof.
Edwards, W. B., B.Arch. Liv.,		Blackburn, Kathleen B., D.Sc.
M.A. Manc., F.R.I.B.A. Prof.		Lond., F.L.S. (Cytol.) Reader.
Lecturers		Lecturers
Turley, R.		Clark, W. A., B.Sc., Ph.D. St. And.
Napper, J. H., M.A., Dip.T.P.		Fothergill, P. G., B.Sc., Ph.D.
Spence, C. C., B.A.		Richardson, J. A., M.Sc.
Allsopp, H. B., B.Arch., Dip.C.D.		Ranson, S. L., B.Sc., Ph.D.
Liv.		Moss, Betty L., M.Sc., Ph.D.
Williamson, W. H.		Lond.
Fielden, F., Dip.Arch. Manc.		Elliott, Eveline, B.Sc., Ph.D.
Wharfe, H., Dip.Arch., Dip.T. and		Demr.
C.P. Leeds.		

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.

Readers

Robinson, P. L., D.Sc., F.R.I.C.
(Inorg. C.).

Weiss, J., D.Eng. Vienna, Ph.D.
Lond., F.C.S. (Mech. of C.
Reactions).

Lecturers

Madgin, W. M., D.Sc., F.C.S.
Raper, R., M.A., Ph.D. Camb.,
F.C.S., F.R.I.C.

Mallen, Catherine E., M.A. Camb.,
F.C.S.

Thirsk, H. R., B.Sc., Ph.D. Lond.,
F.R.I.C.

Aynsley, Rev. E. E., M.Sc., Ph.D.,
F.R.I.C.

Harris, J. O., B.Sc., Ph.D. Lond.

Swan, G. A., B.Sc., Ph.D.

Bishop, E., B.Sc. Glas., F.C.S.

Jack, K. H., M.Sc., Ph.D.

Dodd, R. E., M.A., B.Sc. Oxon.,
F.C.S.

Holden, D., M.Sc., Ph.D. Manc.,
F.C.S.

McWeeny, R., B.Sc. Leeds, D.Phil.
Oxon.

Stadler, H. P., B.Sc. Lond., Ph.D.
Leeds.

McQuillin, F. J., M.A., D.Phil.
Oxon.

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., B.A.
Wales, M.A. Camb.

(Greek) Reader.

Lecturers

Anderton, Mrs. Constance M.,
M.A.

Whittick, G. C., M.A. Oxon.

Sims, B. J., M.A. Camb.

Ferguson, J., M.A. Camb., B.D.
Lond.

Reynolds, Joyce M., M.A. Oxon.

Gillam, J. P., M.A.

Coke Research

Blayden, H. E., B.Sc. Lond.,
F.R.I.C.

Marsh, H., B.Sc., Ph.D.

Research Assistants

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.

Stein, G., M.Sc. Jerusalem, Ph.D.

Felton, D. G. I., M.A., B.Sc.,
D.Phil. Oxon. I.C.I. Fellow.

Curtis, G. C., M.A. Camb.

Briggs, G. W. D., B.Sc.

Fleischmann, M., B.Sc. Lond.

Demonstrators

Smith, E. J., B.Sc. Lond.

.....

Departmental Assistant

Smith, H. J.

Dental Surgery, v. *infra*

Divinity

Allen, Rev. E. L., M.A., Ph.D.
Lond., D.D. Aberd. Lectr.

Boobyer, G. H., B.A. Brist., B.A.,
B.D. Lond., D.Th. Heidel-
berg Lectr.

Economics, v. also Accounting

Jack, D. T., C.B.E., J.P., M.A.
Glas. D. Dale Prof.

McCallum, E. D., M.A. Glas.
(Industrial Org.) Reader.

Lecturers

Milne, A. M., O.B.E., M.A. Edin.

Braithwaite, Constance, B.Sc.
(Econ.), Ph.D. Lond.

(Social Studies).

Lloyd, Alice K., M.A. Oxon.
(Social Studies).

Petch, G. A., B.Com. Leeds.

Watkin, E. E., M.A. Wales.

Smith, F. M., B.A. Oxon. and
Mt. A. (Social Studies).

Brewis, T. N., M.Com.
Research Fellow.

Education

Tuck, J. P., M.A. Camb. Prof.

Lecturers

Brown, V., O.B.E., T.D., M.Sc.

Ward, Irene J., B.Sc. Lond.

McKenzie, A. W., B.Sc.

Liddell, L. E., B.A. Leeds.

Haslewood, Mrs. Doreen C.

Smeltzer, D., B.Sc.

Gilbert, M., M.A. Camb., B.A.,
B.Sc. (Econ.) Lond.

Eden, Alice, B.A. Liv. and Lond.

Dobson, J. L., M.A.

Hockey, S. L., M.A. Brist.

Lister, W., M.A., M.Ed. Manc.

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.

Lecturers

Lyddiard, J. A., B.Sc. Birm.

Livingstone, E. A., M.Sc.

Ritson, F. J. U., B.Sc.

Short, P., M.Sc. (Eng.) Lond.

Carter, A. O., M.Eng. Liv.

Engin., Mechanical and Marine,
v. also Nav. Arch.

Burstall, A. F., D.Sc. Melb., Ph.D.
Camb., M.Sc. (Eng.) Birm.
Prof.

Lecturers

Talbot, A. C., M.Sc. Birm.

Beeley, E. W., M.Sc. Tech. Manc.

Hiscock, R., M.Sc.

Patterson, W. S., D.Sc., Ph.D.
Lond., M.Sc. Leeds, F.R.I.C.
(Fuel Technol.).

Robinson, F., B.Sc. (Eng.) Lond.

Gilchrist, A., B.Sc.

Jones, A. W., B.Sc. (Marine Eng.).

Simmonds, W. H. C., M.A., B.Sc.
Oxon. (Chem. Engin.).

Owen, B. S., M.A. Camb.

Gosney, W. B., B.Sc. (Eng.) Lond.

Thomas, E. R., O.B.E., M.A.
Camb., M.Sc. Wales, D.C.L.
(Engin. Admin.).

Cohen, H., M.A. Camb.

Research Fellow.

Gregory, R. W., B.A. Camb.

I.C.I. Fellow.

English Language and Literature

Butt, J. E., B.Litt., M.A. Oxon.
J. Cowen Prof.

Lecturers

Elmes, R. S., M.A. Camb.

Macdonald, A., M.A., Ph.D. Edin.

Ure, P., M.A. Liv.

Maxwell, J. C., M.A. Oxon.

Carr, Barbara M. H., M.A. Lond.

Fine Art

Gowing, L.

Prof. and Dir. of School.

Masters

Evetts, L. C., M.A. (Design).

McCheyne, J. R. M., D.Art, Edin.
(Sculpture).

Cornford, C. F. (Painting).

Lecturers

Lall, Mrs. Diana M., B.A. Birm.
(Hist. of Art).

Dalby, Helen (Textile Des.).
 Dudley, G. M. (Sculpture).
 de Grey, R. (Painting).
 Straker, E. J. (Comm. Art and Display).
 Gibbs, Nora (Art Educn.).
 Holland, R. B. (Hist. of Art).
 Teacher
 Hodgson, Louisa (Drawing).

French

Girdlestone, C. M., M.A. Camb.,
 L. ès L. Paris Prof.
 Lecturers
 Delacourcelle, Mrs. Doris W., M.A.
 Camb., L. ès L., D. d'Univ.
 Poitiers.
 Suckling, N. C., M.A. Oxon., B.A.
 Lond.
 Underwood, V. P., B.A., Ph.D.
 Lond., D. ès L. Paris.
 Dubois, Mrs. Elfriede T., M.A.
 Birm.
 Roubin, Mlle Lucienne Lectrice.

Genetics, v. Botany

Geography, v. also Anthropology

Daysh, G. H. J., B.Litt. Oxon.,
 F.R.A.I. Prof.

Lecturers

House, J. W., M.A. Oxon.
 Conzen, M. R. G., M.A., Dip.T.P.
 Manc.
 Anson, W. W., B.Sc.
 Mather, D. B., B.A. Lond.

Geology

Westoll, T. S., D.Sc. Aberd., B.Sc.,
 Ph.D., F.G.S. Prof.
 Tomkeieff, S. J., D.Sc., F.G.S.
 (Mineral.) Reader.

Lecturers

Mockler, G. S., B.Sc. Liv. and
 Manc.
 Raistrick, A., M.Sc., Ph.D. Leeds.
 Shirley, J., D.Sc. Manc., F.G.S.
 Randall, B. A. O., B.Sc.

Robson, D. A., M.Sc., F.G.S.
 Lee, J., B.Sc. Lond. Dept. Asst.

German and Scandinavian Studies

Mennie, D. M., M.A. Aberd.,
 D.Phil. Kiel Reader.

Lecturers

Sinclair, R. F., M.A. Edin.
 McFarlane, J. W., M.A., B.Litt.
 Oxon.

Manners, Mrs. Amy, B.A.

Lectors

Roppen, G. S. (Norwegian).
 Sohlberg, Ingeborg M. (Swedish).
 Jensen, N. L. (Danish).

History, Ancient, v. Classics

History, Modern

Burn, W. L., M.A. Oxon. Prof.
 Brown, J. M., M.A. Glas. (Politics)
 Reader.

Lecturers

Tomkeieff, Mrs. Olive G., M.A.,
 LL.B. Camb., B.A. Lond.,
 F.R.Hist.S.

Taylor, Mrs. Joan M., B.A. Lond.
 Brunton, D., B.A. Oxon.
 Hughes, E. W., M.A., B.Litt.
 Oxon. (Politics).

Beckingsale, B. W., M.A. Camb.
 Fawcett, Mrs. Elizabeth C. H.,
 B.A. Manc.

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.
 Heath, E. J., M.A., B.C.L. Oxon.
 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.

Lecturers

Colborne, D. C., M.A. Camb.

Gilbert, C., B.Sc., Ph.D. Lond.

Wilkes, E. W., M.A., B.Sc. Oxon.

Mitchell, K., B.A., Ph.D. Camb.

Bonsall, F. F., M.A. Oxon.

Goldie, A. W., M.A. Camb.

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

Weston, J. D., B.Sc., Ph.D. Lond.

Evans, D. A., B.Sc. (Statistics).

Chadwick, Mrs. Mary, B.Sc. Liv.

Metallurgy

Preece, A., M.Sc. Wales, F.I.M.

William Cochrane Prof.

Ellwood, E. C., B.Sc., Ph.D. Lond.

Lectr.

Parkins, R. N., B.Sc. Lectr.

Gilchrist, J. D., B.Sc. Glas. Lectr.

Mining

Potts, E. L. J., M.Sc.

Milburn Prof.

Jenkins, J. D., M.Sc. Wales

Reader.

Robinson, H. Y., M.Sc. Lectr.

Pearson, G. M., B.Sc. Lectr.

Bell, W. B., B.Sc. Lectr.

Music

Burns, C., M.A., Mus.B. Camb.,

Mus.Doc. Edin., F.R.A.M.

Lectr. and Director of

Dept. in Newcastle.

Hudson, F., D.Mus. Lectr.

Barlow, D. B. A., Mus.B. Camb.

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.

Taylor, J. L., D.Sc. Sr. Res. Asst.

Emerson, A., M.Sc.

Supt. Res. Asst.

Lascarides, A. C., B.Sc. Bucharest.

Res. Worker.

Robson, W., B.Sc. (Eng.) Lond.

Res. Asst.

Philosophy, Mental and Moral

Britton, K. W., M.A. Camb., A.M.

Harv.

Prof.

Lecturers

Rainer, A. C. A., M.A. Edin.

Russell, D. C., B.A. Lond., A.M.

Harv.

(Psychol.).

Midgley, G. C. J., M.A., B.Phil.

Oxon.

Physics

Curtis, W. E., D.Sc. Lond., D.I.C.,

F.Inst.P., F.R.S., F.R.A.S.

Prof., Dir. of Dept.

Rushbrooke, G. S., B.A., Ph.D.

Camb. (Theoretical P.) Prof.

Richardson, E. G., B.A., Ph.D.,

D.Sc. Lond.

Reader.

Lecturers

Wood, J. F., M.Sc.

Darbyshire, O., M.Sc. Manc.,

F.I.P.

Roscoe, R., B.Sc., Ph.D. Lond.

Schneider, E. E., Dr.phil.nat.

Freiburg, F.I.P.

Littlefield, T. A., B.Sc., Ph.D.

Thorley, N., B.Sc., Ph.D. Leeds,

F.I.P.

Lawley, L. E., B.Sc. Wales.

Scoins, H. I., B.A. Oxon.

Res. Asst.

Bainbridge, W.

Dept. Asst.

Physiology, v. Med.

Psychology, v. Philosophy

Spanish

Sarmiento, E., B.A., Ph.D. Lond.

Reader.

Lecturers

Blair, Mrs. Jessie M., M.A. Edin.

Reid, K. S., B.A. Durh. and Lond.

Taylor, A. L., B.A. Sheff.

*Speech and Drama, v. Educa-
tion*

Surveying

Fryer, D. H., O.B.E., F.R.I.C.S.
Reader.

Town and Country Planning

Allen, J. S., B.Arch. Liv. Prof.

Lecturers

Hackett, B., M.A. (Landscape Arch.).

Taylor, P., Dip.Arch., Dip.C.D. Liv.

Riley, C. F., Dip.Arch., Dip.T.P. Manc.

Thomas, D. L.

Sutherland, A. C., B.Sc., Dip. Arch. Glas.

Charlesworth, J., LL.D. Lond. (Town Planning Law).

Ogden, W. M., B.Sc. Manc.

O'Grady, S. C., B.A., B.A.I. Dub.

Roberts, Mrs. Nora, B.Arch. Liv.

Storey, R. J., F.A.I.

Lepp, E., Dip.Hort., Dip.Agric. Budapest Res. Asst.

Zoology

Hobson, A. D., M.A. Camb.

Prof. and Dir. of Dove Marine Lab.

Bull, H. O., D.Sc., Ph.D. Lond. (Marine Biol.), Asst. Dir. Marine Lab. Reader.

Burt, E. T., Ph.D. Camb. (Entomol) Reader.

Lecturers

Steel, A., M.Sc. Wales.

Ellenby, C., D.Sc., Ph.D. Lond.

Philip, Anna U., Dr.phil. Berlin.

Shaw, J., M.A. Camb.

Philipson, G. N., B.Sc., Ph.D.

Percy, Lord Richard, B.Sc.

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.

Hall, J. S., B.Sc. Lectr.

Mitchell, T. M. Lectr.

Blackett, G. A., B.Sc. Asst.

Percy, H. E., 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.

Thompson, Mrs. Amy A., B.Sc., Lectr.

Smith, J. D., B.Sc. Lectr.

Williams, W., M.Sc. Wales 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., F.R.E.S.

Asst. Director.

Blake, J. G., B.A. Lectr.

Provincial Agric. Econ. Service

Dinsdale, D. H., M.A., F.R.E.S.

Prov. Agric. Econ.

Carpenter, E. M., M.A. Oxon.

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.

Davison, W. T. Inv. Officer.

Baldwin, W., Dip.Agric.

Inv. Officer.

Agric. Engineering

M'Ewen, E. G., M.Sc. (Eng.) Lond.

Prof.

Fail, H., B.Sc.

Lectr.

Nicholson, A. J., B.A. Camb.

Lectr.

Agric. Entomology

Harrison, G. H., Ph.D.

Lectr.

Agric. Management

Main, A., B.Sc.

Lectr.

Dental Surgery

Bradlaw, R., 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.

Prof.

D. Anæsthetics

Pask, E. A., O.B.E., M.A., M.D.,

Ch.B. Camb., D.A.

Prof.

D. Electrotherapeutics

Chalmers, J., F.D.S.

Lectr.

D. Jurisprudence and Practice

Management

Bradlaw, R. (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.

Prof.

Farrell, J. H.

Lectr.

D. Metallurgy and Materials

Farrell, J. H. (v. D. Mechs, *supra*)

Medical Jurisprudence

Stephenson, G. E., M.C., B.Sc.,

M.D., B.S.

Lectr.

Operative D. Surgery

Lovel, R. W., D.D.S. North-

western, F.D.S., H.D.D. Prof.

Allan, D. N., D.D.S. N.-W., B.D.S.

Lectr.

Allan, 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., 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.)

Lectr.

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.,

infra)

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.

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.
Murray, J. L., M.B., B.S.
Houston, Mrs. Winifred M., M.B.,
B.S.
Osselton, Mrs. Eleanor W., M.B.,
B.S.
Horton, J. A. G., M.B., B.S. Lond.,
D.A.
Molyneux, L., B.Sc. Res. Asst.

Anatomy

Green, R. B., M.B., B.S. Lond.,
M.A., D.C.L., F.R.C.S. Prof.
Short, J., M.A. Oxon., M.B., B.S.
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., M.D. Latvia.
Perrott, J. W.

Demonstrators

Borthwick, J., M.B., B.S.
Tanner, C. P., M.B., B.S.
Backhouse, K. M.
Leaming, D. B., M.B., B.S.
White, A. E., M.B., B.S.

Taylor, T. C., M.B., B.S.
Thomson, D. S., M.B., B.S.

Bacteriology

Dunlop, E. M., M.C., M.D. Glas.,
M.A. Prof.

Lecturers

Emslie-Smith, A. H., M.B., Ch.B.
Aberd.
Emslie-Smith, Mrs. Muriel, M.Sc.
Miller, T. K., B.Sc.
Green, C. A., M.D., Ch.B., Ph.D.,
D.P.H. Edin.
Williams, H., M.B., Ch.B. St. And.

Cancer Research

Hon. Members of College Staff
Thurgar, C. J. L., M.B., B.S. Lond.
F.R.C.S.
Farmer, F. T., B.Sc. (Eng.) Lond.,
Ph.D. Camb., F.I.P.

Child Health

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.

Lecturers

Davison, G., M.D., B.S., D.C.H.
Miller, F. J. W., M.D., B.S., D.C.H.
Neligan, G. A., B.M., B.Ch. Oxon.

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.
Ellis, E., M.A., M.B., B.Chir.,
Camb., D.C.H. First Asst.

Registrars

Stansfeld, J. M., M.A., M.B., Ch.B.
Camb.
Greaves, J. L., M.B., B.S. Lond.
Knox, E. G., M.B., B.S.
Cammock, Mrs. Ruth M., M.B.,
B.S. Lond., D.C.H.

Dentistry, v. *supra*

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.
 Campbell, H., B.A. Lond., F.S.S.
 Statistical Asst.
 Graham, Norah E., B.A. Tor.
 Res. Asst.
 Elsbury, W. B., M.Sc. Res. Asst.
 Forsyth, Catherine M., D.S.S.
 Glas. Social Asst.

Laryngology, Otolology and Rhinology

McGuckin, F., M.D., B.S.,
 F.R.C.S.Ed. Lectr.

Clinical Teachers

Black, J. I. M., M.D., M.S.,
 F.R.C.S.
 Reid, J. L., B.A., B.M., B.Ch.
 Oxon., D.L.O.

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.
 Smart, G. A., B.Sc., M.D.
 Reader.
 Brewis, E. G., M.D., B.S., D.P.H.
 (Infect. Dis.) Lectr.
 Kellett, C. E., M.A., M.D., B.Ch.,
 F.R.C.P. 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.
 Richardson, G. O., M.B., B.Ch.,
 M.D. Camb.

Thompson, R. B., M.D., B.S.

Res. Fellow.
 Griffin, J. W., B.Sc. Glas., Ph.D.
 Lond. Res. Fellow.
 Walton, J. N., M.B., B.S.
 Res. Asst.

Midwifery and Gynaecology

Evers, H. H., M.B., M.S., F.R.C.S.,
 F.R.C.O.G. Prof.

Lecturers

Stabler, F. E., V.D., M.D., B.S.,
 F.R.C.S., F.R.C.O.G.
 Snaith, L. M., M.D., B.S., F.R.C.S.,
 F.R.C.O.G.

Clinical Teachers

Stabler, F. E. (v. Lectrs. *supra*)
 Hunter, W., M.D., B.S.

First Assistants

Russell, J. K., M.B., Ch.B. Aberd.
 Doberman, H., M.B., 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.
 Lake, L. H., M.B., B.S., D.O.M.S.

Orthopaedics

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.
Schade, R. O. K., M.D. Würzburg.
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.).

Demonstrators

Evers, H. H. (v. Midw.), (Gynæc.
Path.).
Hunter, K. D., M.B., B.S.
Bird, T., M.B., B.S.
Cameron, A. H., M.B., B.S.
Storring, F. K., M.D. Kiel.
Anderson, G. S., M.B., B.S.
Graham, G. S., M.B., B.S.
Ward, T., M.B., B.S.
Richardson, Margaret W., B.Sc.,
M.B., Ch.B. St. And.
Hulse, E. V., M.B., Ch.B. Manc.

Pharmacology

Foggan, D. Lectr.

Photography

Duncan, C. J., M.A. Camb. Dir.
Ridley, R. W. Dept. Asst.

Physiology

Harper, A. A., M.A., M.D., Ch.B.
Aberd. Prof.

Lecturers

Saunders, J. A., M.Sc., Ph.D.
(Biochem.).
Jenkins, G. N., M.Sc. Liv., Ph.D.
Camb.
(Nuffield Lectr. to Dental
Students).
Forster, Margaret G., M.A., B.Sc.
Aberd.
Falconer, Jacqueline S., B.Sc. St.
And.; Ph.D. Lond. (Biochem.).
Wright, D. E., B.Sc. Lond.
Pickles, V. R., M.A., M.B., B.Chir.
Camb., D.C.H.
Catton, W. T., M.Sc. Sheff.

Lake, H. J., M.Sc., Ph.D. Birm.
(Biochem.).

Wynne, N. A., M.B., B.S.
Rodger, F. C., M.B., Ch.B. Glas.,
D.O.M.S.
Schofield, B., M.A., M.B., B.Chir.
Camb.
Armstrong, Phyllis A., M.B., B.S.
Demr.

Psychological Medicine

Kennedy, A., M.D., B.S. Lond.,
D.P.M., F.R.C.P. Prof.

Lecturers

Orton, R., M.D., Ch.B. Leeds,
D.P.M.
Garside, R. F., B.Sc. Lond.
Miller, H. G., M.D., B.S., D.P.M.

Clinical Teachers

Bamford, C. B., M.D., Ch.B. Liv.,
D.P.M.
Cuthbert, T. M., D.P.M.
Murray, J. R., M.D., B.S. Lond.,
D.P.M.
Child, J. P., M.A., B.M., B.Ch.
Oxon., D.P.M.
Cowen, J., M.B., Ch.B. Edin.,
D.P.M.
MacPherson, J. W., M.D., B.Sc.
Glas., D.P.M. First Asst.
Brown, Marjorie A., M.A. Edin.
Lectr. and Sr. Psych. Soc.
Worker.

Breese, H. H.
Lectr. and Soc. Worker.
Osselton, J. W., B.Sc. Res. 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.

Clinical Teachers

Ramage, D., M.D., Ch.B. Manc.,
D.M.R.E. Liv.
Houston, B. D., M.B., B.S.,
D.M.R.E.

Warrick, C. K., M.B., B.S. Lond.,
D.M.R., F.R.C.S.Ed.

Surgery

Bentley, F. H., O.B.E., B.Sc.,
M.D., Ch.B. Manc., F.R.C.S.
Prof.

Lecturers

Hodgson, N., M.B., M.S., F.R.C.S.
Eng. and Ed.

Mason, G. A., M.B., B.S., F.R.C.S.
(Thor. S.).

Rowbotham, G. F., B.Sc. Manc.,
F.R.C.S. (Neur. S.).

Braithwaite, F., O.B.E., M.A.
Camb., M.Sc. Manc., M.B.,
B.Chir. Camb., F.R.C.S.

(Plastic S.)

Watts, W. P. T., A.F.C., M.B.,
M.S., F.R.C.S.Ed.

Clinical Teachers

Hodgson, N. (v. 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.

Feggetter, G. Y., M.B., M.S.,
F.R.C.S.

Watts, W. P. T., A.F.C., M.B.,
M.S., F.R.C.S.Ed.

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.

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.
Res. Asst.

Robins, R. H. C., M.A., M.B.,
B.Ch. Camb., F.R.C.S.

Res. Fellow.

Hammersley, D. P., B.A.

Med. Artist.

Rogers, J. E. Deptl. Asst.

Venereal Diseases

Macfarlane, W. V., M.D., Ch.B.,
D.P.H. Edin. Lectr.

Clinical Teachers

Macfarlane (v. *supra*).

Pick, R., M.D. Vienna.

Registrars

Woolley, J. B., M.B., Ch.B. Aberd.

Morton, R. S., M.B.E.

William Henry Charlton Lecturer

1950—Prof. R. Wittkower, Ph.D.
Berl.

Riddell Memorial Lecturer

1950—Sir F. Bartlett, M.A., F.R.S.

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.;
Elizabeth Carrick, M.A.
Lond.; N. Dees, B.A. Manc.;
J. Hemingway, J.P., B.A.
Lond.; G. Jobey, D.S.O.,
M.A.; W. M. Williams, B.A.
Oxon.

ADMINISTRATIVE AND OTHER STAFF

Assistant Registrars : G. A. Chadwick, B.Sc. (at Dental School); W. A. Husband, B.Com.; N. Shott, D.F.C. (at Medical School); D. W. Turberville, B.A. (at Medical School). Estates Officer : H. J. M. Scott, M.B.E., B.Com. Assistant Bursar : L. Scrivener. Cashier : R. Adair, D.P.A. Supervisor of Lodgings : J. Dickinson, M.A., M.Eng. Wardens of Hostels : V. Brown, O.B.E., T.D., M.Sc. (Henderson Hall); Alfreda M. Truesdale, B.Sc., Dip.Ed. (Ethel Williams Hall); Jacqueline S. Falconer, B.Sc., Ph.D. (Easton Hall),

Honorary Chaplain : Rev. A. J. Bennitt, M.A. College Engineer : G. F. Hardy, M.Sc.

GENERAL INFORMATION

The University of Durham College of Medicine was originally founded in 1834 and became associated with the Univ. of Durham in 1852. Armstrong Coll., Newcastle upon Tyne, was founded in 1871, as a part of the Univ. of Durham. In 1937 the two Colls. were merged to form King's Coll., Newcastle upon Tyne, in the Univ. of Durham.

Owing to recent expansions, various depts. of the Coll. are scattered over a wide area and a plan showing their location is published in the *General Prospectus*.

LIBRARY, approx. 195,000 vols. and approx. 62,500 pamphlets (including the Medical libraries). There are also departmental libraries. Special collections : English Bibles from 1535 ; Heslop, English dictionaries (277 vols.) ; Kepier, 15th- to 18th-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.) ; Robert White (c. 4000 vols.), 18th-century plays, English and Scottish ballads, Border history.

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., Mining and Metall. ; special branches of Chem., Physics, Geol., Bot. and Agric. ; Marine Biol. (Dove Marine Lab., Cullercoats, Northumberland).

The Agric. Dept. manages the Coll. Farm at Nafferton, Prudhoe Station, and the Coll. Research Station at Cockle Park, Morpeth ; 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, Psychological Medicine, Biblical Studies, Anthropol., Art Teaching, Archit., Town Planning, Landscape Design, Commerce, Pub. Admin. ; for the Univ. Licence in Dental Surgery, the Univ. Certificate in Soc. Studies, the Univ. Inst. of Education's Diploma and also for Coll. Certificates in Fine Art, Archit., Town Planning, Public Health Engineering, Production Engineering and Fuel Technology.

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. Engin.

The course for the Inst. of Educn. Diploma 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); Landscape Design (1 yr.); Commerce (2 yrs.); Pub. Admin. (2 yrs.); Pub. Health (1 yr.); Psychol. Med. (1 to 2½ yrs. according to experience); 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.); Pub. Health Eng. (1 yr.); Prod. Eng. (1 yr.); Fuel Tech. (1 yr.).

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.), £38 p.a.; B.Sc. in Eng., Naval Archit., Mining, or Metall. (3 yrs.), £44 p.a.; B.Arch. (5 yrs.), 1st, 2nd and 3rd yrs., £30 p.a., 4th and 5th yrs., £22 : 10s. p.a. Postgraduate 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; Landscape Design (1 yr.), £30; 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.; Pub. Health Eng. (1 yr.), £44; Prod. Eng. (1 yr.), £44; Fuel Tech. (1 yr.), £44.

Expenses on field work will be incurred to the approx. amount stated in each yr. in which the following subjects are taken: Bot., £8; Zool., £8; Geog., £8; Geol., £8; Surveying, £10; Advanced Surveying, £10; Mining Surveying, £15.

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.

POSTGRADUATE FELLOWSHIPS, ETC. Ten Studentships £200 each, awarded annually, as follows: 2 yrs. (Johnston), Organic Chem.; 2 yrs. (Levin),

Physical or Inorg. Chem.; 2 yrs. (Stroud), Physics; 2 yrs. (Pemberton), Geog. or Geol. and Maths. jointly; 2 yrs. (Young), Bot. and Zool. alternately; 2 yrs. (Mather), App. Sci.; 2 yrs. (Stephenson), Arts; 2 yrs. (Noble), Arts; 1 yr. (Buckle), Agric.; 1 yr. (Smiles), Fine Art. £400 for 1 yr. (Earl Grey Memorial), any Fac.; £300 for 1 yr. (Hugh Wood), Mining; £250 p.a. for 2 yrs. (N.E.C.I. of Engrs. & Shipbuilders), Naval Arch. or Eng.; £250-£300 for 1 or 2 yrs. (Shell Schol.), open to undergrads. in Mar. Eng. or Naval Arch.; £200 for 1 yr. (Brit. Assocn.), scientific res. or invention; £200 every 2 yrs. (Heath Schol.), Surg., open to grads. or practitioners; £180 every 3rd yr. (Rutherford Morison), Surg.; £150 for 1 yr. (Parker Brewis), Dental res.

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.

GRADUATES' ASSOCIATION. King's College Old Students' Assoc. organizes regular social and sporting events and distributes certain Coll. publications.

RESIDENCE. Henderson Hall, Cochrane Park, Newcastle upon Tyne, 7, for 90 men; Easton Hall, Eskdale Terrace, Newcastle upon Tyne, 2, for 40 women; Ethel Williams Hall, Eastfield Road, Longbenton, Newcastle upon Tyne, 7, for 92 women. Fees in each Hall, £90 p.a. For Wardens see "Administrative and Other Staff," *supra*.

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).

STUDENT ATHLETIC FACILITIES. There are two sports grounds, a boat-house and a gymnasium, providing for all forms of athletic activity, both indoor and outdoor.

PUBLICATIONS. Rector's *Report*; King's Coll. *Handbook*; King's Coll. Dept. of Agric. (Farm Economics Branch), *Reports*; King's Coll. Educn. Soc. *Papers*, 2s. p.a.; King's Coll. *Mining Bulletin*, £1: 1s. p.a.; King's Coll. *Mining Soc. Journal*, 10s. p.a.; King's Coll. Geographical Soc. *Journal*, 1s. 6d. p.a.; Univ. of Durham Philosophical Soc. *Proceedings*, 10s. p.a.; *Planning Outlook* (Dept. of Town and Country Planning), 15s. p.a.; *The Northerner* (Students), 2s. per copy; *Durham Univ. Medical Gazette*, 7s. 6d. p.a.; *King's Courier* (Students' newspaper); King's Coll. S.R.C. *Students' Handbook*; Earl Grey Memorial Lectures, 1s. per copy; William Henry Charlton Memorial Lectures.

THE YEAR 1949-50

NEW BUILDINGS. The new Engin. Block will be completed by summer 1951. New Ethel Williams Hall for women students completed in readiness for occupation in academic year 1950-51.

NEW POSTS. Lectureships in Agric. (1), Child Health (1), Law (1), Operative Dental Surgery (1).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. W. W. Rogosinski to Oklahoma Agric. & Mech. College—"Fourier Series" and "Lebesgue Integral"; to Stanford Univ., Calif.—"Fourier Series." Prof. R. Bradlaw to Australia and N. Zealand—member of U.K. Commission investigating dental services.

RESIGNATIONS. J. B. Skemp (Greek), on appt. to Chair of Greek, Durham Colleges, Univ. of Durham. S. F. S. Nadel (Anthropol.), on appt. to Chair of Anthropol., Australian National Univ.

DEATH. Emeritus Prof. G. Grey-Turner (Surg.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	235	2621
Women	64	540
Total	299	3161

Included above are 176 postgraduate students and 866 first-year admissions to full-time courses. In addition, there were 363 part-time students attending courses not of full University calibre.

DEGREES. B.Sc. (Agric.), 46; M.Sc. (Agric.), 9; Ph.D. (Agric.), 6; D.Sc. (Agric.), 1; B.A., 142; M.A., 19; Ph.D. (Arts), 3; B.Arch., 13; B.Com., 65; B.D.S., 14; M.Ed., 3; B.Sc. (App. Sc.), 122; M.Sc. (App. Sc.), 3; Ph.D. (App. Sc.), 6; LL.B., 17; M.B., B.S., 70; M.D., 6; B.Sc. (Science), 149; Ph.D. (Science), 11.

UNIVERSITY OF DURHAM, INSTITUTE OF EDUCATION

Kepier Terrace, Gilesgate, Durham.

Telephone : Durham 1380.

10 Leazes Terrace, Newcastle upon Tyne, 1.

Telephone : Newcastle 28604.

DIRECTOR—B. STANLEY, M.A. Oxon.

STAFF TUTORS—Atkinson, Mary B. ; Morris, R. M.A. Oxon. ; Thyne, J. M., M.A., Ed.B. Glas. ; Bramwell, R. D., M.A. Birm., ; Worvill, Winifred ; Fawcus, W. ; Shutt, Dorothy.

EDITOR-LIBRARIAN—Nolan, G. E. S., M.A. Oxon.

ADMINISTRATIVE ASSTS.—Wightman, Elsie (Secretary for Examinations) ; Foord, B. G.

TRAINING COLLEGES

ALNWICK TRAINING COLLEGE. Principal—Isobel E. Edwards, M.A. Wales, B.Litt. Oxon.

BEDE COLLEGE, DURHAM. Principal—Rev. Canon G. E. Brigstocke, M.A. Oxon.

DARLINGTON TRAINING COLLEGE. Principal—Olive M. Stanton, M.A. Camb. and Birm.

DOMESTIC SCIENCE COLLEGE, NEWCASTLE UPON TYNE. Principal—Irene Rowland, M.A. Lond., B.Sc. Liv.

KENTON LODGE TRAINING COLLEGE, NEWCASTLE UPON TYNE. Principal—Mary A. Robson, M.A. Manc.

NEVILLE'S CROSS COLLEGE, DURHAM. Principal—Netty M. Lunan, M.A. Oxon.

ST. HILD'S COLLEGE, DURHAM. Principal—Nina M. E. Joachim, M.A. Oxon.

ST. MARY'S COLLEGE, FENHAM, NEWCASTLE UPON TYNE. Principal—Madam Angela M. Ward, M.A. Lond.

SUNDERLAND TRAINING COLLEGE. Principal—Alice H. Williamson, M.A. Edin.

WYNARD HALL TRAINING COLLEGE. Principal—Sophie C. Bertie, M.Ed.

UNIVERSITY OF LEEDS*

Founded 1904

Telephone: Registrar—Leeds 31751.

VISITOR—H.M. THE KING.

CHANCELLOR—H.R.H. THE PRINCESS ROYAL, G.C.V.O., G.B.E., LL.D.,
D.C.L.

PRO-CHANCELLOR—SIR HUBERT S. HOULDSWORTH, K.C., D.Sc.

VICE-CHANCELLOR—CHARLES R. MORRIS, M.A. Oxon., LL.D. Manc.

PRO-VICE-CHANCELLOR—Prof. A. N. SHIMMIN, C.B.E., M.A. Manc.

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.

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.

Lecturers

Coupland, R. E., M.B., Ch.B.

Walls, W. K. J., M.B., Ch.B.

Holmes, R. L., M.Sc., M.B., Ch.B.

Demonstrators

Falkingham, J. P., M.B., Ch.B.

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

Wilson, G., M.B., Ch.B.

Hon. Demonstrators

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., F.R.I.C. (Phys.
Chem.) Lectr.

Hullin, R. P., M.Sc., Ph.D. Wales
Lectr.

Rogers, H. J., B.Sc., Ph.D. Lond.
Hon. Lectr.

Asst. Lectr.

.....
Morrison, G. A., M.A., D.Phil.
Oxon. I.C.I. Res. Fellow.

.....
Bowen, T. J., M.A., B.Sc. Oxon.
Biochem. Res. Fellow
and Med.

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

Research Assistants

Gardiner, J. E., B.A. Camb.
 Hartley, B. S., B.A. Camb.
 Youatt, G., B.Sc.

Biomolecular Structure

Asbury, W. T., M.A., Sc.D. Camb.,
 D.Sc. Strasbourg, F.I.P.,
 F.R.S. Prof.

Research Fellows

MacArthur, J., M.A., B.Sc., Ph.D.
 Glas.
 Rudall, K. M., M.Sc. N.Z., D.Sc.,
 Ph.D.
 Reed, R., B.Sc. Manc., Ph.D.
 Darmon, S. E., M.A., Ph.D. Camb.

Research Assistants

Beighton, E., B.Sc.
 Lorand, L., M.B. Budapest.
 Middlebrook, W. R., Ph.D.,
 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., D.Sc. Lond.
 (Plant Physiol.) Reader.
 Scott, Lorna I., M.Sc. Lond.,
 F.L.S. Sr. Lectr.

Lecturers

Sledge, W. A., B.Sc., Ph.D.
 Baker, H. G., B.Sc., Ph.D. Lond.
 Nicolai, Marie F. E., D.Phil.
 Leiden.
 Greenwood, A. D., B.Sc. Manc.
 Wesley, A., B.Sc. Lond.
 Asst. Lectr.

I.C.I. Research Fellow

Robinson, Mrs. Edith, B.Sc. Durh.

Demonstrator

Shivas, Mary G., B.Sc. Aberd.

Research Assistants

Spark, L. C., B.Sc., Ph.D.

Sunderland, N., B.Sc.

Middlebrook, Mrs. Mavis J., B.Sc.,
 Ph.D.

Chemistry, Inorganic and Physical, v. also Technology—
Colour Chemistry

Cox, E. G., T.D., D.Sc. Brist.,
 F.I.P., F.R.I.C. Prof.
 Dainton, F. S., M.A., B.Sc. Oxon.,
 Ph.D. Camb. Prof.
 Hartshorne, N. H., M.C., M.Sc.
 Birm., Ph.D. Lond., F.R.I.C.
 (Chem. Micros.) Reader.
 Hume, J., B.Sc. Edin.
 Sr. Lectr. and Supt. 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.

Lecturers

Cruickshank, D. W. J., B.A.
 Camb., B.Sc. Lond. (Math.
 Chem.).
 Belton, J. W., D.Sc., Ph.D. Liv.
 Jeffrey, G. A., B.Sc., Ph.D. Birm.
 Caldin, E. F., M.A., D.Phil. Oxon.
 Bunn, D., B.Sc., Ph.D.
 Pringle, G. E., M.A., Ph.D. Camb.
 Truter, Mrs. Mary R., B.Sc. Lond.
 Walsh, A. D., M.A., Ph.D. Camb.
 Carson, A. S., M.Sc. Belf.
 Kakabadse, G. J., Dr. Ing. (Chem.)
 Berl. Temp. Lectr.
 Hughes, E. W., B.Chem., Ph.D.
 Corn.

Brotherton Res. Lectr.

Chamberlain, G. H. N., B.Sc.
 Lond., Ph.D. Camb.

I.C.I. Research Fellows

Ivin, K. J., B.A., Ph.D. Camb.,
 B.Sc. Lond.
 Parry, G. S., B.Sc., Ph.D. Lond.

Assistant Lecturers

Wheatley, P. J., M.A., D.Phil.
Oxon.

Collinson, E., M.A. Camb.

Irving, R. J., M.Sc. Adel.
(Temp.).

Demonstrators

Strachan, Freda, B.Sc. Aberd.

Smith, P., M.A. Camb. (Temp.).

Research Assistants

Whitaker, H., M.Sc.

Mann, D. C. M., B.Sc.

Brotherton Res. Asst.

Peace, A. G., B.Sc. Manc.

Powis, A., B.Sc. Lond.

Lewy, G., B.Sc. Dub.

Walton, A. W., B.Sc.

Roseman, Cissie, B.Sc.

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.

Rothstein, E., D.Sc., Ph.D. Lond.
Sr. Lectr.

Lecturers

Briscoe, P. A., B.Sc. Brist.

Bowden, K., B.Sc., Ph.D. Lond.,
D.I.C., F.R.I.C.

Whitaker, Mrs. Margaret I., B.Sc.,
Ph.D.

Clark, E. R., B.Pharm. Wales,
Ph.D. Lond.

Austin, A. T., M.Sc. Melb., Ph.D.
Lond.

I.C.I. Research Fellow

Birtwell, S., Ph.D.

Classics : Greek

Davison, J. A., M.A. Oxon. Prof.

Parry, Olwen A., M.A. Camb., B.A.
Lectr.

Classics : Latin

Wood, E. J., M.A. Aberd. and
Camb. Prof.

Binyon, D. E. F., M.A. Oxon.
Sr. Lectr.

Lecturers

Wade, W. V., M.A. Sheff., B.A.
Lond., F.S.A. (Romano-Brit.
Archæol.).

Newell, A. N., M.A. Camb.

Martin, R. H., M.A. Camb., B.A.

Assistant Lecturers

Borthwick, E. K., M.A. Aberd.,
B.A. Camb.

Kenney, E. J., B.A. Camb.

*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.
..... (Econ. Theory) Reader.

Lecturers

Johnson, L. G., B.A. Sheff.
Sr. Lectr.

Sheard, P. M., B.A. Oxon.
(Acctcy.).

Beresford, M. W., M.A. Camb.

Hare, A. E. C., M.A. Camb., Ph.D.
Lond.

Bellamy, R., M.A. Oxon.

Hillmann, H. C., M.A. St. And.

Newlyn, W. T., B.Sc. (Econ.) Lond.

Speight, H., B.A. Lond.

Sargan, J. D., M.A. Camb. (Econ.
Statist.).

Johnson, A., B.Sc. Lond.

(Econ. and Extra-mural).
Rainnie, G. F., M.A. Aberd.

Asst. Lectr.

Research Assistants

Kubinski, Z., B.A.

Alexander, K. J. W., B.Sc. (Econ.)
Lond.

Thomas, Mrs. Joan M., B.Sc. (Econ.)
Lond.

Sigsworth, E. M., B.A.

Education

Armfelt, R. N., M.A. Camb. Prof.

Boultonwood, Myrtle E. A., B.A.

Lond. Sr. Lectr.

Curtis, S. J., T.D., M.A., Ph.D.

Lond. Sr. Lectr.

Lecturers

Bosworth, Eugenie M., M.A. Oxon.

Burns, D. G., M.A. Birm., B.A.

Lond.

Martin, Audrey J.

Ottaway, A. K. C., M.A., B.Sc.

Lond.

Wallbank, S. Annie, B.Sc. Lond.

Howie, G., M.A., Ed.B. Aberd.

Laing, A., M.A., Ed.B. Aberd.

Neal, L. F., B.A. Lond.

Phillips, D. Jean, B.Sc. Lond.

Tate, W. E., B.Litt. Oxon., F.S.A.

Connell, L., B.Sc. Manc., M.Sc.

Lond.

Travis, Marjorie A., B.A. Manc.,

M.A. Lond.

Whitehead, Mrs. Ann, M.A. Manc.

Speech Therapist.

Engineering, v. Technology

English Language and Mediæval

English Literature

Orton, H., B.Litt., M.A. Oxon.

Prof.

Doyle-Davidson, W. A. G., B.A.

Lond. Sr. Lectr.

Cawley, A. C., M.A. 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, B., 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.

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.

Kirkup, J. H., B.A. Durh.

Gregory Fellow in Poetry.

Creedy, A. J., B.A. Lond. and

Camb. Asst. Lectr.

Over, G. A., B.A. Asst. Lectr.

Fine Art

de Sausmarez, M. Lectr.

Butler, R.

Gregory Fellow in Sculpture.

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 Mediæval Fr.

Lang. and Lit.

Inebnit, J. P., L. ès L. Neuchâtel

Sr. Lectr.

Lecturers

Benn, T. V., B.A., Ph.D.

Hainsworth, G., D. de l'U. Paris,

M.A.

Crews, Mrs. Cynthia M., M.A.

Camb., Ph.D. Lond. (French

Phonet.).

Assistant Lecturers

Coe, R. N. C., M.A. Oxon.

Ireland, G. W., M.A. Edin.

Ireson, J. C., M.A. Lond.

Rothwell, W., M.A. Oxon., D. de

l'U. Paris.

Desclaux, A. J. A., L. ès L.

Lecteur.

Bourgeois, J. G. C. Lecteur.

Letellier, Claire, M.-R., L. ès L.

Anglo-French Fellow.

Geography

Williamson, A. V., M.A. Liv.

Prof. and Hd. of Dept.

Peel, R. F. E. W., M.B.E., M.A.

Camb.

Prof.

Lecturers

Fowler, F. J., B.A., Ph.D.
 Priestley, Ann, M.A. Camb.
 Kirk, M., M.A.

Assistant Lecturers

Jones, G. R. J., M.A. Wales.
 Othen, Olive I., B.A. Durh.

Geology

Kennedy, W. Q., D.Sc. Glas.,
 F.R.S. Prof.
 Versey, H. C., D.Sc., F.G.S.
 Sub-Dean, Facs. of Sci.
 and Tech. Reader Appl.
 Geol.

Hemingway, J. E., B.Sc., Ph.D.
 Sr. Lectr.

Rayner, Dorothy H., M.A., Ph.D.
 Camb. Lectr.

Hartley, J., B.Sc. Lectr.

Turner, J. S., M.Sc. Lond., F.G.S.
 (Palæon.) Lectr.

Knorring, O. von, M.Sc. Helsinki
 (Mineral. and Geochem.)
 Lectr.

Kerr, Mrs. Margaret H., B.Sc.
 Glas. Res. Asst. and Demr.

Lund, L. G., 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.

Lecturers

Wilkie, J. R., M.A. Aberd., B.A.
 Camb.

Frowein, Mrs. Irene, B.A. Lond.

Thomas, L. H. C., M.A. Oxon.

*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., M.A. Oxon.

(Med. H.) Lectr.

Cox, J. W., B.A. Lectr.

Woolrych, A. H., B.A. Oxon.

Asst. Lectr.

Taylor, J., M.A. Oxon.

Asst. Lectr.

History of Science

Gregory, J. C., B.Sc. Lond.,
 F.R.I.C. Hon. Lectr.

Italian Lang. and Lit.

Lecturers

May, F., B.A. Lond.

Hd. of Dept.

Griffith, T. G., M.A., B.Litt. Oxon.

Law

..... Prof.

Haggen, G. L., M.A., B.C.L. Oxon.

Reader.

Hornsey, G., LL.M.

(Comm. Law) Lectr.

Davies, M. R. R., Ph.D. Camb.,
 LL.M. Lectr.

Lecturers (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.

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.

Perrott, I. B., M.A. Oxon. Lectr.

Kalicki, J., M.A. Warsaw, Ph.D.
 Lond. Lectr.

Evans, D. Hywel, Albert Medal,
 M.A. Oxon., B.Sc. Wales

Pt.-time Lectr.

James, G. S., B.A. Camb.
 (Statistics) Asst. Lectr.

Tempest, R. K., M.Sc., Ph.D. Liv.
 Asst. Lectr.

Taylor, R. G., B.Sc., Ph.D.
 Temp. Asst. Lectr.

Medicine and Surgery, v. infra

Metallurgy, v. Technology (Coal Gas)

Mining, v. Technology

Music

Denny, J. R., M.B.E., 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. and
 Lond., B.A. Lectr.

Brown, J. C., M.A., Mus.B. Camb.,
 F.R.C.O. 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., Ph.C., F.L.S.
 (Pharmacognosy) Lectr.

Mogey, G. A., M.B., Ch.B., B.A.O.
 Belf. Lectr.

Exley, K. A., M.B., Ch.B. Demr.

Adams, S. S., B.Pharm. Lond.
 Res. Asst.

Batty, Jean E., B.Sc. Res. Asst.

Robinson, Margaret, B.Sc.
 Res. Asst.

Philosophy

Harvey, J. W., M.A. Oxon. Prof.
 Lecturers

Cameron, J. M., B.A. Oxon.

Howard, C. L., M.A. Oxon.

Alexander, P., B.A., B.Sc. Lond.

Curtis, S. J., T.D., M.A., Ph.D.
 Lond. Hon. Lectr.

Phonetics

MacCarthy, P. A. D. M.A. Camb.
 Lectr. and Head of Dept.

Woodhead, J. L., M.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

Stoner, E. C., B.A., Sc.D. Camb.,
 F.R.S.

Cavendish Prof. of Physics
 and Hd. of Dept.

..... 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.

Lecturers

McDougall, J., M.A., Ph.D. Camb.

Curry, C., B.Sc., Ph.D. Durh.

Hoare, F. E., M.Sc., Ph.D. Lond.

- Nicolson, M. M., M.Sc. Manc.,
Ph.D. Camb.
Tebble, R. S., B.Sc. Durh., Ph.D.
Kellermann, E. W., D.Phil. Vienna,
Ph.D. Edin.
Marsden, P. L., B.Sc. Birm.
Tunstall, N., B.Sc. Manc.
Temp. Lectr.
Rhodes, P., B.Sc., Ph.D.
Asst. Lectr.
Cross, L. E., B.Sc.
I.C.I. Research Fellow.
Research Assistants
Youell, R. F., B.Sc. Lond.
Heap, C. N., B.Sc. Lond.
Crooke, R. H., B.Sc.
Matthews, J. C., B.Sc.
- Physiology*
Hemingway, A., M.Sc., M.B.,
Ch.B. Prof.
Noltie, H. R., M.A., B.Sc. Aberd.
Sr. Lectr.
O'Connor, W. J., M.A. Camb.,
M.D. Adel. Sr. Lectr.
Lecturers
Allen, W. J., M.D., B.Ch., B.A.O.
Belf.
Newman, P. P., M.B., Ch.B. Liv.
Holgate, J. A., M.B., Ch.B.
Wyke, B. D., M.B., B.S. Syd.
Wolstencroft, J. H., M.A. Camb.
Temp. Lectr.
Cambridge, G. W., B.Sc. Lond.
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. Psychol.) Lectr.
Morrisby, J. R., B.A. W. Aust.
(Soc. Psychol.) Lectr.
Harper, R., M.Sc. Manc., Ph.D.
Reading
(Industrial Psychol.)
Lectr.
- Russian Lang. and Lit.*
..... Prof.
..... Lectr.
Dressler, A., B.A. Lectr.
Minskera, Mrs. Harriet
Temp. Asst.
- Semitic Languages and Literatures*
Bowman, Rev. J., M.A., B.D.
Glas., D.Phil. Oxon.
Lectr. and Hd. of Dept.
.....
Montague Burton Lectr.
in Med. and Mod.
Hebrew.
Loewe, R., M.C., M.A. Oxon. and
Camb. Lectr.
..... Asst. Lectr.
Werblowsky, R. J. Z., B.A. Lond.,
Ph.D. Geneva Lector.
- Social Studies*
Shimmin, A. N., C.B.E., 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. Anthropol.) 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.
Harrington, Doreen, B.A. Oxon.
(Pract. Soc. Work) Asst.
Tutor.
Moody, Bettine M., B.A. Lond.
(Pract. Soc. Work) Asst.
Tutor.
Millard, Phyllis M., B.A. Lond.
(Pract. Soc. Work) Asst.
Tutor.
Head, W. G., B.Sc. (Econ.) Lond.
Res. Asst.

Spanish Lang. and Lit.

- Brown, R. F., M.A., Ph.D. Liv.
 Hd. of Dept., Sr. Lectr.
 de Irizar, Agustín, Ldo. en Fil.
 Madrid, M.A. Lectr.
 Lumsden, Audrey, M.A. Liv.
 Lectr.
 Boorman, J. T., M.A. Camb.
 Lectr.
 McCririck, Verena N. R., M.A.
 Birm. Asst. Lectr.
 Purver, A. E., B.A. Camb.
 Asst. Lectr.
 Serrano, María R., Lic. en Fil. y
 Let. Zaragoza Lectora.
 Gonçalves, Maria E. S. L., B.A.
 Lisbon (Portuguese) Leitora.

*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.
 8 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.

Lecturers

- Broadhead, E., M.A., B.Sc., D.Phil.
 Oxon.

- Meredith, Mrs. Sheila C., M.Sc. Liv.
 Brust, Jean, B.Sc. Reading.
 Werth, Irene, M.A. Oxon.
 Asst. Lectr.
 Rowlands, Anne, B.Sc., Ph.D.
 Demr.
 Swire, Margaret, M.Sc. Res. Asst.

Agriculture

- Comber, N. M., D.Sc. Lond.,
 F.R.I.C. (Agric. Chem.)
 Head of Dept., Prof.
 McGregor, J., B.Sc. Glas. Prof.
 Gordon, W. S., C.B.E., Ph.D. Glas.
 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.
 Bramley, C. W., B.Sc. Asst. Lectr.

(Crop Husb. and Farm
 Machinery) Temp. Asst.
 Lectr.

- Godbold, E. M., B.Sc. Reading
 Demr.

Agric. Bacteriology

- Wolf, J., M.Sc. Reading
 Sr. Lectr.
 Barker, A. N., M.Sc., Ph.D.
 Lectr.

Agric. Botany

- Western, J. H., B.Sc., Ph.D. Wales
 Sr. Lectr.
 Jones, A. Powell, M.Sc. Wales
 Lectr.
 Turner, Dorothy M., M.Sc., Dip.
 Hort. Reading Lectr.
 Cavett, J. J., B.Sc. Lond.
 Res. Asst.

Agric. Chemistry

- Willcox, J. S., B.Sc. Lond.,
 F.R.I.C. Sr. Lectr.
 Townsend, W. N., B.Sc. Lectr.
 Hopton, J. W., M.Sc. Tech. Manc.
 Demr.
 Payne, D., M.A., Dip. Agric. Sci.
 Camb. Res. Asst.

Agric. Economics

Long, W. H., M.A. Oxon.
Principal Agric. Economist.

Thomas, W. J., M.Sc. Wales
Lectr.

Ward, J. T., B.Sc. Lond.
Asst. Lectr.

Jeffrey, A. G., B.Com.
Sr. Agric. Economist.

Wynne, A. J., B.Sc. Lond.
Agric. Economist.

Asst. Agric. Economists

Dawson, E., B.Sc.
Simpson, I. G., B.Sc. Reading.

Lloyd, D. Hanbury, B.Sc. Wales.
Mathieson, Morag C., B.Sc.(Econ.)

Lond.
Wright, Edith M., B.Sc.(Econ.)
Nott.

Agricultural Zoology

..... Sr. Lectr.
Gibson, N. H. E., B.Sc. Lond.,
Ph.D. Lectr.

Veterinary Hygiene

..... Lectr.

Dentistry*Anæsthetics, General*

Harbord, R. P., M.D. Liv., D.A.,
F.F.A.R.C.S. Lectr.

Dental Anatomy and Physiology

Sykes, J. G., B.Ch.D., F.D.S.R.C.S.
Lectr. (C.).

Dental Histology

Ramsden, D. C., L.D.S.
Hon. Demr. (C.).

Dental Materials, Properties of

Lecturers

Hume, J., B.Sc. Edin.
Roberts, Prof. A. L., B.Sc., Ph.D.,
F.R.I.C.

Petch, N. J., B.Sc., Ph.D. Lond.,
B.Met. Sheff.

Dental Mechanics

Stephens, H. D., L.D.S.
Lectr. (C.).

Dental 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.).

Wilkinson, G. L., L.D.S. (C.).
Woodcock, S. R., L.D.S., 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.

6 vacancies for Hon. Clin. Tutors.
8 House Surgeons, 4 Asst. House
Surgeons.

Dental Surgery, Clinical

Lecturers

Carr, Mrs. Kathleen M., B.Sc.,
B.Ch.D., L.D.S.

Ross, J. H., B.Ch.D., L.D.S.
Heylings, R. T., M.B., Ch.B.,
B.Ch.D., L.D.S.

Jackson, D., B.D.S., L.D.S. Manc.

Oral Biology

Rogers, H. J., B.Sc., Ph.D. Lond.
Nuffield Research Fellow.

Weidmann, S. M., Dr.Ing. Darm-
stadt. (Oral Biol.)

Temp. Res. Fellow.

Shaw, H., L.D.S., F.D.S.R.C.S.
Sr. Lectr.
Lectr.

	Temp. Lectr.
Thornham, C. B., B.Ch.D., L.D.S.	Lectr.
.....	Hon. Demr.

(Clin. Med.) Prof. (C.).

Magidson, O., M.D.

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.

Anning, S. T., M.A., M.D. Camb.

(Dermatology) Clin. Lectr.

..... Sr. Lectr.

La Touche, C. J. P., M.Sc. Dub.

(Med. Mycol.) Lectr.

Everall, J. D. (Dermatol.).

Sr. Regr. and Tutor.

Morgan, J. K., M.B., B.S. Lond.

(Dermatol.) Temp. Sr.

Reg. and Tutor.

..... (Dietetics and Metab.

Med.) Lectr.

Tattersall, R. N., O.B.E., M.D.

Lond. Lectr. (C.).

Taverner, D., M.B.E., M.D. Lectr.

Watkinson, G., M.D., B.S. Lond.

Lectr.

Hall, D. A., B.Sc., Ph.D.

(Med. Biochem.) Lectr.

..... Sr. Clin. Lectr.

Garland, H. G., T.D., M.D.,

F.R.C.P. Sr. Clin. Lectr.

Parsonage, M. J., B.Sc., M.B., Ch.B.

Manc., D.C.H. Clin. Lectr.

Macpherson, I., M.D., F.R.C.P.

Lectr. (C.).

Telling, O. M., M.A., D.M. Oxon.

Lectr. (C.).

..... Med. Tutor.

Towers, J. R. H., M.A., M.D.

Camb., F.R.C.P.

Sr. Clin. Lectr.

Research Assistants

Paley, R. G., Ph.D., M.D. (Med.).

Fryers, G. R., M.D. (Med.).

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., M.B., B.S. Lond., B.Sc.,

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

(Obst. and Gyn.) (C.).

McIntosh, W., M.B., Ch.B. Glas.

(Obst. and Gyn.) (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.

Black, G. W., M.B., B.S. Lond.,

F.R.C.S. Sr. Clin. Lectr.

Otology

Seed, G. S., M.B., Ch.B., F.R.C.S.,

D.L.O. Sr. Clin. Lectr.

Boyle, T. McM., M.B., Ch.B.,

F.R.C.S., D.L.O.

(Otol. and Laryngol.)

Sr. Clin. Lectr.

Lord, O. C., Ch.M., F.R.C.S.Ed.,

D.L.O. (C.).

Pædiatrics and Child Health

Craig, W. S. M., B.Sc. Glas., M.D.,

F.R.C.P.Ed. Prof. (C.).

Allibone, E. C., Ph.D. Birm., M.D.,

D.P.M. Sr. Clin. Lectr.

Pugh, R. J., M.B., Ch.B. Birm.,

D.C.H. Lond. Lectr. (C.).

Buchanan, M. F. G., M.B., Ch.B.,

D.C.H. Lond. Lectr. (C.).

Rose, B. S., M.B., Ch.B. Birm.,

D.C.H. Lond.

Sr. Registrar and Tutor.

Kitching, Gladys A., M.B., Ch.B.

Res. Pædiatric Registrar

and Tutor.

(C.) = Clinical Lectr.

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.
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., M.Sc.
Sutherland, T. W., M.B., Ch.B.
Benstead, J. G., M.A., M.D. Camb.,
M.B., Ch.B.
Maloney, A. F. J., B.Sc., M.B.,
Ch.B. Edin. (Neuropathol.).
..... (Prof. of Industrial Dis-
eases).

.....
Res. Path. to Leeds
General Infirmary.
Lissimore, N., M.D.
(Gyn. Path.) Pt.-time
Lectr.
Pyrah, L. N., M.Sc., Ch.M.,
F.R.C.S.
(Surg. Path.) Hon. Demr.
MacPherson, I., T.D., M.D.,
F.R.C.P.
(Med. Path.) Hon. Demr.
Garland, H. G., T.D., M.D.,
F.R.C.P.
(Neuropathol.) 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.,
Ph.D.
Kidder, D. E., B.Sc. Lond. Demr.
McMillan, Mrs. Mary, B.Ph.
Lond., M.B., Ch.B., Ph.D.
Demr.

*Pathology, Experimental and
Cancer Research*

Passey, R. D., M.C., M.D., D.P.H.
Lond.

Prof. of Exp. Path. and
Dir. of Cancer Re-
search.

Day, T. D., M.A., M.D. Camb.
Sr. Res. Fellow and Asst.
Dir. Cancer Res.

Bonser, Mrs. Georgiana M., M.D.
Manc. (Cancer Res.) Reader.
Dmochowski, L. L., M.D. Warsaw,
Ph.D.

(Cancer Res.) Reader.
Stickland, L. H., M.A., Ph.D.
Camb.

(Exp. Biochem.) Sr. Lectr.
..... (Exp. Path.) Asst. Lectr.
Clayson, D. B., B.A. Oxon.
(Org. Chem.) Res. Asst.
..... (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.

Sr. Lectr. and Chief Asst.
Sutherland, R., M.D., D.P.H.
Aberd. Sr. Lectr.

Pt.-time Lecturers (Public
Health)

Bradshaw, D. B., M.A., M.B.,
B.Ch., B.A.O., D.P.H. Dub.
Jones, J. A. L. V., J.P., M.B.,
Ch.B. Glas.
..... (Vaccination).

Instructors (Public Health)

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.
Taylor, A. L., M.D., D.P.H.
One vacancy.

Psychiatry

MacCalman, D. R., M.D. Glas.
Nuffield Prof.
Ironsides, W., M.B., Ch.B. Aberd.,
D.P.M. Lond. Sr. Lectr.
..... (Child Psych.)
Sr. Lectr.
Pt.-time Lectrs. (Mental Dis.)
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. Lond.
Affleck, J. W., M.B., Ch.B. Glas.,
D.P.M.
Wilson, A. H., M.B., Ch.B. Aberd.,
D.P.M.
(Mental Deficiency).
Crocket, R. W., M.B., Ch.B. Glas.,
D.P.M. Lond.
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.
Whyte, Marion B. H., M.A. Edin.
Sr. Psych. Social Worker.
Paul, Evelyn M., B.A.
Psych. Social Worker.
Berlyne, Anita R., B.A. Camb.
Psych. Asst.

Radiology 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. and Lectr. (pt.-
time) in Radiol.
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

..... Director.
.....
(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.
Pyrar, 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.).

(C.) = Clinical Lectr.

France, W. G., M.B., Ch.B.,
F.R.C.S. (Orthop. S.)

Sr. Registrar and Tutor.

Burwell, H. N., M.B., Ch.B.,
F.R.C.S.

Sr. Registrar and Tutor.

Moore, H. D., M.C., M.B., B.S.
Syd., F.R.C.S., F.R.C.S.Ed.

Sr. Registrar and Tutor.

..... Sr. Registrar and Tutor.
Moir, P. J., M.C., M.B., Ch.B.
Glas., F.R.C.S.

Sr. Clin. Lectr. (C.).

Armitage, G., M.C., T.D., M.D.,
Ch.M., F.R.C.S.

Sr. Clin. Lectr. (C.).

Latchmore, A. J. C., M.B.E., M.S.
Lond., F.R.C.S. (C.).

Shucksmith, H. S., M.B., Ch.B.,
F.R.C.S. (C.).

Allison, P. R., B.Sc., Ch.M.,
F.R.C.S. (Thoracic)

Sr. Clin. Lectr.

Wooler, G. H., M.A., M.D., B.Chir.
Camb., F.R.C.S. (Thoracic)
(C.).

.....

(Thoracic Surg.) Res.
Fellow.

Oldfield, M. W. C., M.B.E., M.A.,
D.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) Prof. (C.).

.....

Asst. Lectr.

Venereal Diseases

Horne, G. O., F.R.C.P.Ed.

Clin. Lectr. (C.).

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.

Lecturers

Johnston, D., M.Sc. Durh. (Met.).

Irvine, K. J., B.Sc., Ph.D. (Met.).

Forsyth, J. S., B.Sc. Glas., Ph.D.
(Chem. Engin.) Brotherton
Lectr.

Garside, J. E., B.Sc., Ph.D. (Fuel
Tech.).

Sinkinson, E., B.Sc. Sheff., D.I.C.
(Fuel Tech.).

Carruthers, T. G., B.Sc.
(Ceramics and Refract.
Materials).

Franklin, N. L., M.Sc.

(Chem. Eng.).

Grimshaw, R. W., B.Sc., Ph.D.
(Refract. Materials)

Asst. Lectr.

.....

(Met.) Asst. Lectr.

Winning, H., B.Sc. Glas.

(Chem. Eng.) Asst. Lectr.

Scholefield, D. A., B.Sc., Ph.D.

(Gas Engin.) Asst. Lectr.

Pollard, A., B.Sc. (Process Instru-
mentation) Temp. Asst. Lectr.

Dent, F. J., Ph.D., D.Sc.

Hon. Lectr.

Wood, J. W., M.Sc. Tech. Manc.

Hon. Lectr.

Research Chemist

Blackburn, W. H., M.Sc., Ph.D.

Research Assistants

Ashley, L. F., B.Sc., Ph.D.

(C.) = Clinical Lectr.

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., Ph.D.

Kilham, J. K., B.Sc., Ph.D.

Wood, F. C., M.Sc., Ph.D.

Plummer, M., B.Sc.

Towler, J. H., M.Sc.

Jackson, E. G., B.Sc.

Stubbs, J. J., B.Sc.Tech. Manc.

Rae, D. M., B.Sc. (Met.).

.....

(Chem. Engin.) Brother-
ton Res. Asst.

Colour Chemistry and Dyeing

Bradley, W., D.Sc., Ph.D. Manc.,

F.R.I.C. Prof.

Cross, E. J., B.Sc., Ph.D. Lond.,

F.R.I.C.

(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.) Brother-
ton Res. Fellow.

Stevens, C. B., B.Sc., Ph.D.

(Dyeing) Lectr.

Manchester, F., B.Sc.

(Dyeing) Asst.

Sutcliffe, F. K., M.Sc. Manc., Ph.D.

I.C.I. Res. Fellow.

Denham, W. S., B.Sc. Lond.,

D.Sc. St. And., F.R.I.C.

Hon. Fellow.

Nürsten, 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.

Lecturers

Wilson, G., M.Sc. Hon. Lectr.

Mackey, S., B.Sc., M.E. N.U.I.,
Ph.D.

Henry, F. D. C., B.Sc. Lond.

Jones, R., M.Sc. Manc.

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.

Makinson, Mrs. K. Rachel, B.A.
Camb. 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.

Lecturers

Rounthwaite, C., B.Sc., Ph.D.

Appleyard, D., M.Sc.

Stansfield, H., M.Sc. Manc.

Shilton, R., B.Sc. Lond.

Carpenter, N., B.Sc.

.....

Leather Industries

Burton, D., M.B.E., D.Sc., F.R.I.C.

Prof.

Danby, J. P., B.Sc., Ph.D. Lectr.

.....

Lectr.

.....

Asst. Lectr.

*Procter International Research
Laboratory*

McCandlish, D., M.Sc., Emer. Prof.

Hon. Director.

.....

Res. Asst.

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.

Lecturers

Potts, W. L. J., B.Sc. Durh.
King, H. J., B.Sc. Lond. (Mining
and Mine Surveying).
Jowett, A., B.Sc., Ph.D.
Habberjam, G. M., B.Sc., Ph.D.
Asst. Lectr.

Research Assistants

Myers, J. O., B.Sc.
Horsley, R. M., B.Sc. (Selective
Flotation).
Banerji, B. K., M.Sc. Patna.
Brown, D. J., B.Sc.
Broadhurst, P. H., B.Sc. Lond.

Textile Industries

Speakman, J. B., D.Sc. Manc.,
F.R.I.C. Prof.
..... Wool Text. Engineering
(Res. Prof.).
Astbury, W. T., M.A., Sc.D. Camb.,
D.Sc. Strasbourg, 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.
Woods, H. J., M.A. Oxon., F.Inst.P.
(Text. Physics) Sr. Lectr.

Lecturers

Meggy, A. B., B.Sc. Lond.,
D.Phil. Oxon. (Phys. Chem.)
Brotherton Res. Lectr.
Snowden, D. C., M.Sc. (Weaving
Mechanism).
Peters, L., B.Sc. Lond., M.Sc.,
Ph.D.
Onions, W. J., B.Sc. Wales (T.
Testing).
Hannah, Dorothy M., B.A. Camb.
Ph.D. (Text Engin.).

Kisby, C. (Text. Design).
Young, D. (Cloth Anal. and Cloth
Struct.).

Davies, E. J., B.Sc. Wales, M.Sc.
Res. Chem. and Hon.
Lectr.

Callow, H. J., B.Sc. Lond., Ph.D.
Res. Chem. and Hon.
Lectr.

Kidd, F., M.A. Camb.
Res. Chem. and Hon.
Lectr.

Bell, J. W., B.Sc., Ph.D. (Text.
Chem.) Asst. Lectr.

Brook, G., B.Sc. Asst. Lectr.

.....

B.D.A. Res. Fellow.
Madaraz, G. W., B.Sc. Tech. Manc.,
Ph.D.

Failsworth Res. Fellow.

Intern. Wool Secretariat Fellows

Truter, E. V., B.Sc., Ph.D. Lond.

Fearnley, C., B.Sc., Ph.D.

Horner, J. L., M.A. Camb.

Sikorski, J., Dipl. Ing. Warsaw,
M.Sc.

Tiedt, J., M.Sc. S.A.

Research Assistants

Jagger, Lilian G., B.Sc. Wales.

Sagar, Constance E., B.Sc.

Rodden, Shirley, B.Sc. Lond.

Institute of Education

Niblett, W. R., B.A. Brist.,
B.Litt. Oxon. Director.

Evans, A. A., M.A. Brist.

Deputy Dir.

Hourd, Marjorie L., B.A. Brist.,
B.Litt. Oxon. Sr. Res. Fellow.

Maxwell, A. E., M.A. Dub., B.Sc.

Lond., B.Ed. Edin.

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. (Econ.),
 Ph.D. Lond. Director.
 Lecturer in Departments of Eco-
 nomics 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.; Baker, W. P.,
 M.A. Camb., B.A. Oxon.;
 Hauger, E. G., M.A.; Thomp-
 son, E. P., B.A. Camb.;
 Prichard, W. J., M.Com.;

McLeish, J., B.Sc., Ed.B.
 Glas.; Stein, W., B.A. Manc.;
 Rex, J. A., B.A. S.A.; Brook-
 man, P. E., B.Com. (Organiz-
 ing Tutor); Saunders, J. W.,
 M.A., B.Litt. Oxon. (Univ.
 Extension Asst. Lectr.).

Services Education Work: Kelly,
 A., M.A., LL.B. Glas. (Asst.
 to Dir.).

Lecturers: Huddleston, J., M.A.;
 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.,
 B.Sc. (Econ.) Lond.; Virgo,
 S. R., M.B.E.

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 AND OTHER STAFF

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.
 A. L. Knighton, Surveyor of the Fabric. Anne Forrest Brownlie, Super-
 intendent of Catering. W. Blackledge, Photographer.

TUTOR OF WOMEN STUDENTS. Lady Ogilvie, M.A. Oxon.

LIBRARY. Deputy Librarian, K. W. Humphreys, B.Litt., M.A. Oxon.

WARDENS OF HALLS OF RESIDENCE. (Men)—Devonshire Hall, D. Hywel
 Evans, Albert Medal, M.A. Oxon., B.Sc. Wales; Lyddon Hall, R. E. Morgan,
 B.A. Lond.; Woodsley Hall, D. Appleyard, M.Sc.; Sadler Hall, J. H. Higgin-
 son, M.A., M.Ed. (Women)—Oxley Hall, Lettice M. Pither; Weetwood
 Hall, M. Brenda Carey, LL.B.; Lupton Hall, D. Jean Phillips, B.Sc. Lond.,
 A.K.C.; Ellerslie Hall, Audrey Lumsden, M.A. Liv.; Croft Hall (for Maternity
 Clerks), M. Kathleen Haygarth.

WARDEN OF LODGINGS. Carol P. Abell, B.Com.

WARDEN OF WOMEN STUDENTS IN LODGINGS. Mrs. Marjorie Sledge, B.A.

STUDENT 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, Yorks (*Telephone*: Mirfield 3362). Warden—Rev. Father Hugh Bishop.

RAWDON COLLEGE, Rawdon, near Leeds (*Telephone*: Rawdon 59). Principal—Rev. L. H. Marshall, B.A., B.D., Ph.D. Lond.

TECHNICAL COLLEGE, Queen Street, S., Huddersfield. (*Telephone*: Huddersfield 5260). Principal—W. E. Scott, M.B.E., M.Sc., Ph.D. Durh., F.R.I.C.

DIOCESAN TRAINING COLLEGE, **ST. JOHN'S COLLEGE**, York (*Telephone*: York 3596). Principal—Rev. P. J. Lamb, M.A. Oxon.

PRINTING DEPARTMENT OF THE LEEDS COLLEGE OF TECHNOLOGY, Queen Square, Leeds, 2 (*Telephone*: 25788). Principal of the College—C. Chew, M.Sc. Tech. Manc., F.R.I.C.

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, 344,393 books and pamphlets. Brotherton Collection, 39,406 books and pamphlets, including 249 incunabula, together with 569 manuscripts, 4105 deeds and 31,537 letters. Medical Library, 26,459 books and pamphlets. Dental Library, 1175 books and pamphlets. Agricultural Library, 29,909 books and pamphlets. Institute of Education Library, 3049 books and pamphlets. Other Departmental Libraries, 14,305 books and pamphlets. Other special collections: (a) 2890 vols. in French on Great Britain, printed before 1805; (b) 397 vols. on events in France in 1870–71; (c) Icelandic and Scandinavian collection of about 13,000 vols. and pamphlets; (d) Mitresey 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, 9107 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 (854 beds), Women's Hosp. (103 beds), Maternity Hosp. (112 beds) and St. James' Hospital; Seacroft Hospital; 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), Dr. A. E. C. Hare (Econ. and Commerce), G. L. Haggan (Law), Dr. J. W. Baker (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. 8).

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, Italian, 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' exams. as well as for the Univ. degrees.

HIGHER DEGREES. B.D., M.A., LL.M., M.Com., M.Ch.D., 1 yr.; M.Ed., M.Sc., 2 yrs. (for holders of Hons. B.Sc., 1 yr. after the bachelorship). 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. 19), or M.Sc. by 2 yrs. of research. Graduates of this Univ. may obtain the Litt.D. or D.Sc. 6 yrs. after graduation; D.D., LL.D., M.D., 3 yrs. after graduation; Ch.M., 5 yrs. after graduation (2 yrs.' course).

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, Agric. Bot., Agric. Chemistry, Agric. Economics, Agric. Zool., Education, Metallurgy, Ceramics, Fuel Technology, Gas Engineering, Chemical Engineering, Mineral Dressing, Textile Industries, Geography, 1 yr. (sometimes 2) after graduation. Educational Administration, Public Administration, 2 winter sessions. Biblical Studies, Hebrew, Spanish, Primary Education, Religious Education, 2 yrs. part-time. Social Studies, 2 yrs. (1 for graduates). Engineering (Gas, Chem., Mining), Fuel Technol., Metall., Ceramics, 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, 18 months' pt.-time study, commenced 2 yrs. after graduation. Psychological Medicine, 3 yrs. Nursing, involving 4 yrs.' hospital training and 3 terms' lectures. (Pt.-time) Dental Surgery, 4 yrs. including 2 in Univ. Certificate in Teaching of Hebrew—one yr. after obtaining Dipl. in Hebrew or equivalent qualification. Nurse Teacher's Certificate.

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 (for Wardens see "Administrative and other Staffs," *supra*). (Men)—Devonshire Hall, Cumberland Road, Leeds, 6 (164 students); Lyddon Hall, Virginia Road, Leeds, 2 (55 students); Woodsley Hall, Clarendon Road, Leeds, 2 (26 students); Sadler Hall, Church Lane, Adel, Leeds, 6 (31 students); fees £111 per session. (Women)—Weetwood Hall, Far Headingley, Leeds, 6 (98 students); Oxley Hall, Far Headingley, Leeds, 6 (115 students); Lupton Hall, Wood Lane, Headingley, Leeds, 6 (35 students); Ellerslie Hall, Cavendish Road, Leeds, 1 (11 students); fees £93-96 per session. Croft Hall, Hyde Terrace, Leeds, 2 (hostel for Maternity Clerks). Sites on the outskirts of the city have been acquired for further Halls of Residence for Men and Women.

APPOINTMENTS BOARD. Number of students and graduates on the Appointments Register, 1949-50: 555, made up of 173 Arts, 124 Science, 154 Technology, 104 Education.

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. Jocelyn E. Kellett, B.Com., and W. H. Trickett, B.Sc.

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' Educn. Asscn. and Local Education Authorities. Courses are also given at the residential college—the Albert Mansbridge College, Arthington, near Leeds.

DEPARTMENT OF STUDENT HEALTH. Instituted 1949. Provides an advisory and preventive medical service for students, including annual medical examns. and X-Ray examns. A sick-bay is provided, under the care of a resident Nursing Sister.

UNIVERSITY TRAINING CORPS (T.A.), AIR TRAINING SQUADRON AND WOMEN'S ROYAL ARMY CORPS. Information as to conditions of membership, etc., may be obtained from the respective Commanding Officers.

UNIVERSITY UNION. All students of the Univ. are members of the Univ. Union. Freshers are advised to join the various Societies—both departmental and social. The official journal of the Union is *The Gryphon*, and a "Union News" newspaper keeps students informed of Union activities and gives them an opportunity of expressing their opinion. A Handbook and Diary is published annually. Facilities for the full range of outdoor and indoor games are available, including rugby, soccer, tennis, cricket, hockey, lacrosse, athletics

and net-ball, rifle, gymnastics, basket-ball, badminton, table tennis, swimming and fives.

PUBLICATIONS. *Calendar* (Sept.), 15s. (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 1949-50

NEW BUILDINGS. Remaining floors and Tower of Parkinson Bdg. completed and occupied by the Admin. Depts. Council Chamber in process of completion. Temp. Refectory extended to provide 500 additional meals per day. Plans for New Refectory and Staff House completed. Alterations in Baines Block for Depts. of Bot. and Zool. finished. New Textile Extension officially opened May 19, 1950, providing Cloth Finishing Rooms, Res. and Teaching Labs., Staff Rooms and Workshop. Staff House altered and improved, resulting in the transfer of Inst. of Educ. to 1 Beech Grove Terrace and Univ. Photographer to house in Cavendish Rd. Several houses adapted for use of Depts. of Physical Educ., Psychol. and W.R.A.C. As a result of these rearrangements alternative accom. was made available for 27 Depts. Improved dressing accom. provided for women students at Weetwood Athletic Grounds and Swillington Boat-House. Alterations carried out to provide new accom. in Depts. of Agric., Anat., Dyeing, Chem., Pharmacol. and Bacteriol. Union kitchen enlarged. House in Cromer Road adapted as annexe to Lyddon Hall giving accom. for 12 students. Improvements commenced at Devonshire Hall and at Weetwood Hall. Redecoration completed at Woodsley Hall, and detailed plans drawn for future extension to increase numbers to 100. Ellerslie Hall purchased and converted to Sick Bay in conjunction with Dept. of Student Health. Experimental Farm for Dept. of Agric. acquired near Bramham and repairs and alterations put in hand. Prelim. plans sketched for construction of a mezzanine floor in the Brotherton Library; development of Boiler House No. 2; erection of Chem. Annexe and completion of Phys. and Chem. Extensions.

NEW DEPARTMENTS AND POSTS. New posts include Sr. Lectureships in Pharmacol. and Physiol.; Lectureships in Anaesthetics, Bacteriol. (non-med.), Pathol. (Neuropathol.) and Preventive Med.; Full-time post of Lodgings Warden to take responsibility for lodgings for men students in the first instance, and additional pt.-time Asst. Medical Officer.

OTHER DEVELOPMENTS. The newly formed Univ. Company of the W.R.A.C. (T.A.) has seen the first season of its activities.

EXTRA-MURAL WORK. 84 Tutorial classes, 6 Preparatory Tutorial classes, 5 shorter courses; a two-week Summer School at Cottingham in co-operation with the Univ. Coll. of Hull and the W.E.A. (Yorkshire N. District); a weekend residential school in Biol. at Robin Hood's Bay; a residential conference on Adult Educ. 48 Extension Lecture Courses, including 12 3-yr. courses and 1 2-yr. course; a one-week residential course for Dyers and Colourists. Expansion of civilian aid to Forces' educn. through the Services Educn. Cttee.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. B. Fairley, Toronto; Prof. J. Leslie Hotson; Gertrude Kneil of Pittsburgh Univ. to work on the Library Staff; Prof. G. Lemaitre, Louvain; Dr. L. C. Strong, Yale; Prof. du Vigneaud, Cornell; Prof. J. P. Wibaut, Amsterdam.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. G. S. Darlow (Library) to work in Library of Univ. of Pittsburgh for a period of 9 months; Dr. J. Dawson (Biochem.) Rockefeller Travelling Fellow to work at Massachusetts General Hospital and Harvard Univ.; Dr. Louise Eickhoff (Psychiatry), awarded grant from the Commonwealth Fund of America to enable her to visit Psychiatric Clinics in America; N. L. Franklin (Chem. Engin. Fuel Dept.) to visit Princeton Univ., New Jersey, U.S.A., for 4 months to act as co-author of a book dealing with the application of statistical methods to control in the chem. industry; Dr. D. A. Hall (Med. Biochem.); Mr. F. P. Raper (Surg.) on a travelling fellowship granted to him by the United Leeds Hospital Board—for the study of Surg. in the U.S.A.

RETIREMENTS. S. Burr (Agric. Bot.); Prof. W. M. Edwards (Greek); Miss Illingworth (Sr. Asst. to the Registrar); Dr. E. Solly (Hon. Curator of the Roebuck Stamp Collection); Prof. M. J. Stewart (Pathol.); Dr. F. L. Usher (Reader in Colloid Chem.).

RESIGNATIONS. W. W. Chambers (German), on appt. to the Chair of Modern Languages in Univ. Coll. of N. Staffordshire; F. F. Goss (Organic Chem.), on appt. to Headship of Dept. of Chem. in Battersea Polytechnic; A. Leese (Med.), on appt. as Consultant Physician to Leeds Regional Hospital Board; F. Mason (Educn.), on appt. to Chair of Educn. at Raffles Coll., Singapore; E. Neill (Physiol.), on appt. as Lectr. in Experimental Physiol. at Manchester; G. Winfield (Physiol.).

DEATHS. Sir Frederic Aykroyd and Alderman R. H. Blackburn (Members of Court); Dr. Charles M. Chadwick (Prof. of Materia Medica, Pharmacol. and Therapeutics, 1897-1905); Dr. L. L. F. R. Price (Hon. Graduate); Dr. Hannah Robertson (Mistress of Method and Tutor of Women Students, 1905-1921, and Hon. Graduate); Dr. E. Solly (Hon. Curator of the Roebuck Stamp Collection, 1924-49); J. T. Aitken, A. McCarmick and C. A. Smith (members of staff).

HONORARY DEGREES. *LL.D.*—R. Birley, Head Master of Eton; Rt. Hon. Sir Francis R. Evershed, Master of the Rolls; Lord Lindsay of Birker, Principal of Univ. Coll. of N. Staffordshire; Earl Mountbatten of Burma, Lord Commissioner of the Admiralty and Fourth Sea Lord; Major W. F. Potheary, Clerk of the Worshipful Company of Clothworkers. *Litt.D.*—Lord David Cecil, Goldsmiths' Prof. in Univ. of Oxford; B. Fairley (graduate of the Univ.), Prof. of German in Univ. of Toronto. *D.Sc.*—Dr. W. N. Pickles, General Practitioner; Emeritus Prof. R. Whytlaw-Gray, Prof. of Chem. in the Univ. from 1923 to 1945.

STUDENTS :

	<i>Part-Time</i>	<i>Full-Time</i>
Men	362	2637
Women	62	699
Total	424	3336

Included in the above are 534 postgraduate students and 1193 first-year admissions.

DEGREES. *Agric.*: B.Sc., 25; M.Sc., 2. *Arts*: B.A., 231; B.Mus., 3; Ph.D., 4; M.A., 17; M.Ed., 4; B.D., 2. *Coal Gas and Fuel Inds. with Metall.*:

B.Sc., 25; Ph.D., 8; M.Sc., 2. *Colour Chem. and Dyeing*: B.Sc., 10; Ph.D., 1; M.Sc., 1. *Dent.*: B.Ch.D., 14. *Econ. and Comm.*: B.A., 15; B.Com., 20; M.Com., 2. *Engin.*: B.Sc., 57; Ph.D., 2; M.Sc., 2. *Law*: LL.B., 28; LL.M., 1. *Leather Ind.*: B.Sc., 8; M.Sc., 2. *Med.*: M.B., Ch.B., 55; M.D., 6; Ph.D., 1. *Mining*: B.Sc., 9; Ph.D., 1. *Sci.*: B.Sc., 122; D.Sc., 2; Ph.D., 25; M.Sc., 14. *Text. Ind.*: B.Sc., 24; Ph.D., 8; M.Sc., 1.

[Information compiled as at 2/5/51;
Staff list revised on 4/9/51.]

UNIVERSITY OF LIVERPOOL *

Liverpool 3

Founded 1903

Telephone: Royal 6022.

VISITOR—H.M. THE KING.

CHANCELLOR—THE MARQUESS OF SALISBURY, K.G., P.C.

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—H. H. BURCHNALL, B.A. (*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.

TEACHING STAFF

Anatomy

Harrison, R. G., M.A., D.M.

Derby Prof.

Jones, Tudor J., Sc.D. Glas.,
M.D. (Embryol.) Sr. Lectr.

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.).

Demonstrators

Marchant, Mary K., M.B., Ch.B.
Braithwaite, J. L., M.B., Ch.B.

Macmillan, E. W., M.B., Ch.B.
Edin.

Wickham, H., M.B., Ch.B.

Lisowski, P. L.

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.

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

Scott, Sir Giles G., O.M., LL.D.,
D.C.L., P.P.R.I.B.A. (Eccl.
Archit.) Reader.

Senior Lecturers

Cole, E. R. F., B.Arch., F.R.I.B.A.
Wilkinson, S., B.Arch.

Lecturers

Miller, B. A., B.Arch., F.R.I.B.A.
Young, R. R. R., Dipl.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.
Wiesner, A. E., Ing.Arch. Vienna.
Pietka, L. J., Ing.Arch.
Higginson, F. St. G., D.A.
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.

Lecturers

Coope, R., B.Sc., M.D., F.R.C.P.
(Clin. Chem.).
Garner, R. J., M.A.
(Vet. Biochem.).
Hartles, R. L., B.Sc., Ph.D.
(Dent. Biochem.).
Glover, J., M.Sc. Belf., Ph.D.
King, H. K., M.A., Ph.D., F.R.I.C.
..... Asst. Lectr.

Botany

Thompson, J. McLean, M.A.,
D.Sc. Glas., D. ès Sc. Louvain,
F.L.S. H. Gaskell Prof.

Lecturers

Knight, Margery, D.Sc., F.L.S.
Stirling, J., D.Sc. St. And., F.L.S.
Mathias, W. T., M.Sc. Wales,
Ph.D., F.L.S.
Coult, D. A., M.Sc. Lond., F.L.S.
Hare, C. L., M.Sc. Lond., Ph.D.
Aberd.
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., Sr. 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. (Inorg. and Phys.)
Grant Brunner Prof.
Hilditch, T. P., D.Sc. Lond., F.R.S.,
F.R.I.C.

(Industrial) 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., 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.).

Meara, M. L., B.Sc., Ph.D. Brist.,
F.R.I.C. (Indust.).

..... (Inorg. and Phys.).

Assistant Lecturers

Dean, F. M., B.Sc. (Org.).

White, A. G., B.Sc. (Inorg. and
Phys.).

Shaw, A., M.Sc. Manc. (Inorg. and
Phys.).

Skirrow, G., B.Sc., Ph.D. Lond.
(Inorg. and Phys.).

Demrs.

Johnson, D. H., B.Sc.

Powell, A. D. G., B.Sc. (Org.).

Civic Design

Stephenson, G., M.C.P. M.I.T.,
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.

Howell, B. Lectr.

Special Lectrs.

Taylor, A. J. E., LL.M. (Town and
Country Planning Law).

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.

Pinsent, J., M.A. Oxon.

Asst. Lectr.

Scott, W. M. F., M.A. Oxon.
(Hellenistic G.) Hon. Lectr.

Classics : Latin

Brink, C. O., M.A. Oxon., Ph.D.
Berl. Prof.

Bonner, S. F., M.A. Camb.
Sr. Lectr.

Townend, G. B., M.A. Oxon.
Lectr.

Gee, Cynthia, M.A. Lectr.

Commerce

..... Hd. of Dept.

Parkinson, B. B., M.Sc. (Econ.),
B.Com. Lond. Lectr.

Dentistry, v. infra

Economic Science, v. also Com.

Shackle, G. L. S., B.A., Ph.D.,
D.Phil. Brunner Prof.

Hyde, F. E., M.A., Ph.D. Lond.,
F.R.Hist.S.

Chaddock Prof.

Checkland, S. G., M.Com. Birm.
Sr. Lectr.

Lecturers

..... (Ec. Hist.).

Jones, L., B.A. Wales.

Robertson, W., M.A. St. And.

Clayton, G., M.A. Camb.

Assistant Lecturers

Please, S., B.Sc. (Econ.) Lond.

Osborne, W. T., M.A. Camb., B.Sc.

Gaskin, M., D.F.C., B.A.

Marriner, Sheila, M.A.

Parker, H. R., B.A. (Urb. Land
Econ.).

Education

Porteous, A. J. D., M.A. Edin. and
Oxon. Prof.

Land, F. W., M.A., Ph.D. Lond.,
A.K.C. Sr. Lectr.

Brunton, C. E., M.A., M.D., Sc.D.
Dub. (Physiol.) Sr. Lectr.

Lecturers

Spence, Margaret E., M.A. Brist.

Wallace, J. E., Mus.D. Durh.,
F.R.C.O. (Music).

Tozer, A. H. D., M.A. Camb.

Murphy, J., M.A.

Griffiths, J., M.A., F.R.Hist.S.

Doran, W., M.Sc. Sp. Lectr.

Moore-Rinvulcri, Mina J., M.A.,
D. de l'U. Strasbourg.

Larwood, H. J. C., M.Sc. Durh.,
M.Ed., F.R.A.S.

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.

Raffle, J. W., B.A.
Tutor and Demr.

Teachers

Martin, Ethel S. (Drawing and
Art).

Cameron, Elizabeth L. (Writing).

Wigforth, Bertha (Weaving).

Ainsworth, H. (Woodwork) Instr.

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.

Muir, K., B.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.

Assistant Lecturers

Davies, R. T., M.A. Oxon.

Farris, Miriam, M.A., Ph.D.

Grundy, Joan, M.A. Lond.

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,
O.A. J. Barrow Prof.

Linskill, J., M.A., D. de l'U. Stras-
bourg Sr. Lectr.

Lecturers

Knowles, Dorothy, M.A. Leeds,
D. ès L. Paris, O.A.

Cullerne, A. C., M.A.

Rees, G. O., M.A. Wales.

.....

Zaina, Lucrezia A., M.A.

Asst. Lectr.

3 French Tutors.

Geography

Smith, W., M.A. Rankin Prof.
Monkhouse, F. J., M.A. Camb.

Lectr.

Wilkinson, H. R., M.A. Lectr.
..... (Geomorphol.) Lectr.

Gresswell, R. K., M.A., F.R.S.A.
Sp. Lectr.

Lawton, R., B.A. Asst. Lectr.

Learmonth, A. T. A., M.A.

Asst. Lectr.

Gregory, S., B.A. Asst. Lectr.

.....

Tutor.

Geology

Shackleton, R. M., B.Sc., Ph.D.
Herdman Prof.
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.
Wilson, C. D. V., M.A.
Asst. Lectr.

German

Collinson, W. E., M.A. Lond.,
Ph.D. (also Hon. Lectr. in
Comp. Philol.) Prof.
Picton, Enid, B.A. Wales Lectr.
Assistant Lecturers
Wirtz, Erika A., B.A. Reading.
Wiener, F. I., M.A. Manc., Dr.Phil.
Breslau.
Heydorn, Marianne H. G., Dr.Phil.
Hamburg.

*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.
Rebello, 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.
Hall, H. B., B.A. Asst. Lectr.
Carbonell, J., Lic. in Romanic
Philol. Barcelona
Asst. Lectr.

*History, Ancient, and Archæol.,
Classical*

Walbank, F. W., M.A. Camb.
Rathbone Prof.
..... C. W. Jones Lectr.

History, Eccl., v. Affild. Instns.

History, Mediæval

Barracrough, 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.
Vaines, J. Crossley, LL.M.

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.

Assistant Lecturers

Fozzard, Irene, B.A. Oxon.
Rowe, W. J., M.A. Oxon.
Ryan, A. N., B.A.

Italian

Faithfull, R. G., B.A. Lond. Lectr.
Dawson, E., B.A. Asst. 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 (Com- Prof.
mon L.)
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.
- Newton, J. D., LL.B. Lectr.
- McNeill, D. B., B.C.L., M.A. Oxon. Lectr. and Tutor.
- Taylor, A. J. E., LL.M. (Local Govt. L.) Lectr.
- Taylor, C. C. (Book-keeping and Trust Accounts) Sp. Lectr.
- Unsworth, M.A., LL.B. (Articled Clerks' Classes) Sp. Lectr.
- Marine Biology, etc., v. p. 171*
- 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.
- Lecturers
- Daymond, S. D., M.A. Oxon., B.Sc. Lond. and Wales.
- Jones, C. W., M.Sc., Ph.D.
- Plackett, R. L., M.A. Camb. (Statistics).
- Assistant Lecturers
- Gordon, K. C. T., B.Sc. (Statistics).
- Sowerby, L., B.A. Camb.
- Bonnor, W. B., B.Sc., Ph.D.
- Jackson, T. A. S., M.A.
- Jacobs, Julianne, B.Sc.
- Young, A., B.Sc. St. And.
- Baldock, G. R., B.Sc.
- Vanes, Olive E., B.Sc.
- Yule, J. B., B.Sc. Temp. Asst.
- 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.
- Batty, Joyce S., M.Sc. Lectr.
- Maitland, Barbara J., M.A., Ph.D. Camb. Lectr.
- Flett, T. M., M.Sc. Lond., Ph.D. Camb. Asst. Lectr.
- Medicine, v. infra*
- Music*
- Abraham, G. E. H., M.A., F.T.C.L. James and Constance Alsop Prof.
- Naval Architecture, v. Engin.*
- Oceanography*
- Proudman, J., M.A. Camb., D.Sc., F.R.S. Prof.
- Bowden, K. F., M.Sc. Lectr.
- Riley, J. P., Ph.D., B.Sc. Lectr.
- Fairbairn, L. A., B.Sc. Asst. 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.
- Fröhlich, H., Dr.Phil. Munich, F.R.S. (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.).
- Green, L. L., M.A., Ph.D.
- 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., Ph.D.

(Theor. Phys.).

Merrison, A. W., B.Sc.

Szigeti, B., Ph.D. (Theor. Phys.).

Willmott, J. C., Ph.D., B.Sc.

Assistant Lecturers

Collinge, B., B.Sc.

Crewe, A. V., B.Sc.

Warren, J. W., M.Sc. Lond.

Chalmers, T. A., B.Sc., Ph.D.

Lond. (Med. Radiol.)

Sp. Lectr.

Middleton, R., B.Sc.

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.

Lecturers

Tozer, A. H. D., M.A. Camb.

(Norm. Psych. to Med. Students).

Richards, T. G., M.D. (Physiol.).

Coope, R., B.Sc., M.D., F.R.C.P.

(Appld. Physiol.).

Calma, I., M.D. Milan (Physiol.).

Kruszynski, J., M.D. Wilno (Histol.).

Sircus, W., M.D. (Physiol.).

Hill, K. J., B.V.Sc. Asst. Lectr.

Maneely, R. B. (Physiol.)

Asst. Lectr.

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.

..... Asst. Lectr.

Bromley, D. B., B.A. Asst. Lectr.

Russian Hist., Lang. and Lit.

..... Bowes Prof.

Christian, R. F., M.A. Oxon.

Asst. Lectr.

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.

..... Asst. Lectr.

Verney, D. V., M.A. Asst. Lectr.

Jones, L., B.A. (Pub. Admin.)

Sp. Lectr.

Vane, W. B., M.A., B.Sc. (Pub.

Admin.)

Sp. Lectr. and Tutor.

Please, S., B.Sc. (Econ.) (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.

Woodward, Joan, M.A. Durh.

Sr. Res. Worker.

Research Workers

Wright, Joan A., B.A.
 Chisholm, Mary V. J.
 Mitchell, G. D., B.Sc. (Econ.) Lond.
 Gittus, Elizabeth.

Junior Research Workers

Richmond, A. H., B.Sc. (Econ.)
 Lond.
 Mumford, Enid M., B.A.
 Gibbons, A. Margaret, B.A.
 Mann, P. H., B.A.

Spanish, v. Hispanic Studies**Veterinary 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.

Senior Lecturers

Hughes, H. V., B.V.Sc., D.V.H.
 Isherwood, R., M.V.Sc. (Vet. Med.).
 Shuttleworth, A. C., M.V.Sc.,
 F.R.C.V.S. (Vet. Surg.).
 King, J. O. L., B.Sc. Agric.,
 M.V.Sc. (Animal Husbandry).

Lecturers

Dransfield, J. W., M.V.Sc.
 Jennings, A. R., B.V.Sc. (Vet.
 Path.).
 Soltys, M. A., B.V.Sc., Dr.Med.
 Vet., Ph.D. (Vet. Path.).
 Griffiths, R. B. (Vet. Parasit.).
 Elam, C. W., D.V.H. (Animal
 Management).
 Kelly, W. R. (Farm Animal Med.).
 Garner, R. J., M.A. (Vet. Biochem.).
 Singleton, A. G., B.V.Sc. (Vet.
 Phys.).
 Harding, H. P.
 Cross, M. H., B.V.Sc. Asst. Lectr.
 Ward, Gwendolen H. (Small Ani-
 mal Med. and Surg.) Demr.

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. (Exper-
 imental Zool.) Lectr.
 Jones, I. Chester, B.Sc., Ph.D.,
 F.L.S. Lectr.

Dentistry

Stones, Prof. H. H., Director of
 Dental Education (v. also D.
 Surg.).

D. Anaesthetics

Halton, J., M.B., Ch.B., D.A.
 Lectr.

D. Metallurgy, v. Metall. infra**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.) Sr. Lectr.

Lecturers

Slack, G. L., O.B.E., D.D.S.
 Chic., L.D.S. (Preventive
 Dentistry).

Hartles, R. L., B.Sc., Ph.D. (Bio-chem. D. Surg.).
Farmer, E. D., B.D.S. (Parodontal Diseases).
Myers, G. E., B.D.S. (Oper. D. Surg.).
Mumford, J. M., L.D.S. (Oper. D. Surg.).

D. Surgery, Clin.

Lecturers

Griffith, E. W., F.D.S.R.C.S.
Neubert, E. W., L.D.S.
MacPhee, G. G., M.A., M.D., F.D.S.R.C.S.
Lyll, G. L., L.D.S.
Fairhurst, R., B.D.S., M.B., Ch.B.

Assistant Lecturers

Blamire, A., L.D.S.
Drake, A. F., B.D.S.
Asst. Lectr. and Hon.
Curator of Museum.
Harrison, F. E., L.D.S.

D. Surgery, Operative

Collinge, J. S. H., F.D.S.R.C.S.
Lectr. and Clin. D. Surg.
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.
Knowles, C. C., B.D.S.
Asst. Lectr.

Radiology

Rubin, E. L., M.D., D.M.R.E.,
F.F.R.

Engineering

Civil Engineering

Owen, J. B. B., D.Sc.
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., M.Eng.
Asst. Lectr.

Dock and Harbour Engineering

Wilton, T. R., M.A. Camb.
Assoc. Prof.

Electrical Engineering

Teago, F. J., D.Sc. Durh. (Electro-technics) 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.

Lecturers

Durnford, J., B.Sc. (Eng.) (Electronics).
Cooper, R., M.Sc., Ph.D. (Electronics).
Edels, H., B.Sc. (Tech.) (Electro-technics).
Jones, C. V., M.Eng., B.Sc. (Electro-technics).
Ackroyd, R. T. (Electro-technics).
Lynn, J. W., M.Sc. (Electro-technics).

Assistant Lecturers

Heppell, H. K., B.Eng. (Electro-technics).
Leck, J. H., M.Eng. (Electronics).
Gambling, W. A., B.Sc. (Electro-technics).

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 Harrison Prof. of Mech. E.
The Alex. Elder Prof. of Nav.
Arch.

Mechanical Engineering

Kearton, W. J., D.Eng.
Harrison Prof.

Lecturers

Cole, E. B., M.Sc. Brist.
Smith, G., B.Sc. (Eng.).
Calvert, N. G., B.Eng., Ph.D.
Walshaw, T. D., B.Sc. (Eng.)
Lond.
Emery, D. W., M.Sc. (Eng.) Lond.
Asst. Lectr.
Keith, J. MacL., B.Sc.
Asst. Lectr.
Miller, W. Lab. Supt.
Pullen, W. G. (Metal Work) Instr.
Ainsworth, H. (Pattern Making)
Instr.

Metallurgy

Rollason, E. C., M.Sc., F.I.M.
Wortley Prof.
Kennett, S. J., B.Sc., Ph.D.,
D.I.C., F.I.M. Lectr.
Owen, W. S., M.Eng. Lectr.
Pardoe, J. A., M.Eng. Lectr.
Street, B. G., Ph.D., B.Eng.
Temp. 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.
Rees, G. J., M.B., Ch.B., D.A.
Lectr.
Dundee, J. W., M.B., Ch.B.,
B.A.O., D.A. • Lectr.

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.
Haddock, D. R. W., M.B., Ch.B.
Asst. Lectr.

Child Health

Capon, N. B., M.D., F.R.C.P.
Prof.
Todd, R. M., M.A., M.D. Camb.,
D.C.H. Sr. Lectr.
Brookfield, R. W., 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.
Keidan, S. E., M.B., Ch.B., D.C.H.
Lectr.

Clinical Pædiatrics

Lecturers

Thompson, W. A., M.Ch. Belf.,
F.R.C.S.Ed.
Brookfield, R. W., Ph.D., M.D.,
F.R.C.P., D.P.H.

Assistant Lecturers

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).
Hudson, F. P., D.C.H.

Clinical Preventive Pædiatrics

Bell, Ruby E., M.B., Ch.B., D.P.H.
Lectr.

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.

Wilson, A., M.D., Ph.D.,
F.R.F.P.S.Glas. Prof.
Brookfield, R. W., Ph.D., M.D.,
D.P.H., F.R.C.P.
(Therap.) 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.
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.
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 Gynæcol.) Lectr.
Herd, S. B., M.D., F.R.C.O.G.
(Clin. Obstet. and Gynæcol.)
Lectr.
Walsh, C. H., M.B., Ch.B., D.P.H.,
F.R.C.O.G. (Clin. Obstet. and
Gynæcol.) Lectr.
Baker, K., M.B., Ch.B. (Obstet.
and Gynæcol.) Tutor.
Martin, R. H., M.B., Ch.B. (Obstet.
and Gynæcol.) Tutor.
Cox, L. W., M.B., Ch.B., F.R.C.S.
(Obstet. and Gynæcol.)
Demr.

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.

Lecturers

Nairn, R. C., M.D.
Davis, J. C., M.B., Ch.B.
Moore, H. C., M.D.
Strawbridge, H. T. G., M.B., Ch.B.
Edin.

Clinical Pathologists

Black, T., M.B., Ch.B. Edin.
Evans, R. W., B.Sc.
Hall, E. G., B.Sc., M.B., Ch.B.
Rewell, R. E., M.D.
St. Hill, C. A., M.B., Ch.B. Brist.
Whitwell, F., M.B., B.S. Lond.

*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. (Tubercu-
losis) 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.

Radiotherapy

Fulton, J. S., C.B.E., M.D. Edin.,
F.R.C.P.Ed. Lectr.
Hon. Asst. Lectrs.
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.

Surgery

[Prof.]

Wells, C. A., M.B., Ch.B., F.R.C.S.
McFarland, Bryan L., M.D., M.Ch.
Orth., F.R.C.S.Ed.

Dir. of Orthopædic
Studies, and Clin.
Orthop. Surg. Lectr.

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. (Applied Anat.,
Surgical) 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.).

Osborne, G. V., M.B., Ch.B., M.Ch.
Orth., F.R.C.S. (Clin. Orthop.)

Asst. Lectr.

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.

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

William Mitchell Banks Memorial
Lecturer

(Surgery—every 2nd yr.)

.....

Forwood Lecturer (Philosophy
of Religion)

Sir Harold Idris Bell.

Lady Jones Lecturer (Orthopædic
Surg.—every 2nd yr.)

Prof. F. Wood Jones.

Sydney Jones Lecturer (Art)

1951—Sir James Mann, M.A.,
B.Litt., P.S.A.

Sherrington Lecturer

1951—Prof. J. F. Fulton, M.D.,
D.Phil.

Shute Lecturer (Art of the
Theatre)

1951—52—Michel Saint-Denis.

Marine Biological Station,
Port Erin

Colman, J. S., M.A. Oxon.
Director.

Bruce, J. R., M.Sc.	Lectr.	Husain, B. M. C., M.A. (Geog.).
Jones, N. S., M.Sc., F.L.S.	Lectr.	Quinn, G. P., B.A. Camb. (Econ.).
Williamson, D. I., B.Sc. (Mar. Zool.)	Asst. Lectr.	Wright, R. R., M.A. Durh. and Camb. (English Lit.).
Lodge, Sheila M., B.Sc. (Mar. Algol.)	Asst. Lectr.	Jones, A. (Staff Tutor and Librarian).
Bowers, A. B., B.Sc. (Fisheries)	Asst. Lectr.	
University Extension		Junior Staff Tutors
Kelly, T., M.A. Manc.		Barford, P. T., B.Mus., M.A. Leeds (Music).
Dir. of Extra-mural Studies.		Stott, Jean, B.A. (Soc. Sci.).
Jones, H. A., M.A. Manc.		Joint Secs. to the Jt. Cttee. on Tutorial Classes
	Asst. Dir.	Garstang, F., M.A.
Staff Tutors		Kelly, T., M.A. Manc.
Burr, J., M.A. (History).		

ADMINISTRATIVE AND OTHER STAFF

Physical Education—Lectrs.: R. E. Dunn, B.Sc. Lond.; Shina Stevenson, (Women Students). Wardens of Halls of Residence—Prof. D. R. Seaborne Davies, Derby Hall; Margery Knight, University Hall; Kathleen Gough, Rankin Hall. 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, Dock Office, Liverpool, 3. (*Telephone*: Central 6010, Extn. 201.) 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, Howbeck Rd., Birkenhead. (*Telephone*: Birkenhead 1247.) Principal, Rev. W. M. F. Scott, M.A. Oxon. Certain courses (not given in the Univ.) are recognized as Univ. courses in part for the ordinary degree of B.A. Recognized Teacher in *Eccl. Hist.*, Rev. M. M. Hennell, M.A.

EDGE HILL TRAINING COLLEGE, St. Helen's Rd., Ormskirk. (*Telephone*: Ormskirk 844.) Principal, Margaret I. Bain, M.A., D. de l'U. Paris.

TRAINING COLLEGE OF NOTRE-DAME, Mount Pleasant, Liverpool, 3. (*Telephone*: Royal 2008.) Principal, Mildred M. Canavan, B.Sc.

CHESTER DIOCESAN TRAINING COLLEGE. (*Telephone*: Chester 207.) Principal, Rev. Canon H. Stanley Astbury, M.C., M.A. Camb. Recognized Teachers: E. Pickup, B.A. (in *French*); J. L. Bradbury, M.A. (in *Engl.*); J. S. Stephens, B.A. (in *Geog.*); F. W. Hooper, B.Sc. (in *Chem. and Physics*); W. E. Lewis, M.A. (in *Maths.*).

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool, 3. (*Telephone*: Royal 7611. *Telegrams and Cables*: Malaria, Liverpool.) Ward for Tropical Diseases at Royal Infirmary, Liverpool. Research lab. at Sierra Leone (closed during the war and not yet reopened). 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. (*Telephone*: Rainhill 33.)

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, Nuclear Physics, Physiol. and Histol., Radio-diagnosis, 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 Marine Biological Station, Port Erin, Isle of Man, has been transferred to the Univ. by an Act of Tynwald. **HOSPITALS** available for Clinics, 25 general and special. The trade of the port ensures frequent cases of infection. Special wards for Trop. Diseases. Expeditions to Tropical countries organized for investigation or advice. Suitably qualified persons may enter the labs. for 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) Prof. A. W. Downie (Bacteriol.), (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' exams. as well as for the Degree.

HIGHER DEGREES. Ph.D., v. p. 19. 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; Industrial Sociol., 2 yrs. or 1 yr., according to qualifications of candidates; Applied Psychol., 2 yrs. or 1 yr., according to qualifications of candidates; Engin., 2 yrs.' practice of Engin. after final examn. for Certif. (including 1 yr.'s approved study or dissertation). Candidates who passed in 8 papers in final Certif. examn., 2 yrs.' practice; L.D.S., not less than 4 yrs. and 2 terms. 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.; 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.), £285:16:6; 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), £319:9s.; M.D.S. (2 or 3 yrs.), £22; B.V.Sc. (5 yrs.), £217; M.V.Sc., 1st yr., £20, 2nd yr., £10; LL.B. (3 yrs.), £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.), £44:2s.; Approved courses for extern. degrees, £21; Postgrad. courses requiring special facilities, £50 p.a.; L.D.S. Liv., £258:5s.; D.V.H. (6 mos.), £21; Eng., 1 yr. after taking Certif. in Engin., £48 per session. **CERTIFICATE COURSES:** 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.

EXAM. FEES. M.B. and Ch.B., £22:1s.; B.D.S., £25:4s.; B.V.Sc., £26:5s.; 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.; M.Rad., £10; 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 exams., 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., £10; M.D.S., £10; M.V.S., £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; 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. (For Wardens see "Administrative and other Staff", *supra*.) Hall of Residence for Men: Derby Hall, North Mossley Hill Road, Liverpool, 18, accommodation for 167 students. Halls of Residence for Women: University Hall, Holly Road, Fairfield, Liverpool, 7, accommodation for 130 students; Rankin Hall, 38-46 Ullet Road, Liverpool, 17, accommodation for 112 students. For current fees see *General Prospectus*.

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.

APPOINTMENTS BOARD. Formed to advise students on all matters relating to careers and employment, and to assist graduates and others to obtain suitable positions on the completion of their University Courses.

UNIVERSITY TRAINING CORPS (T.A.). Headquarters and Orderly Room: 51 Bedford Street North, Liverpool, 7. (*Telephone*: Royal 1314.) Commanding Officer: Lt.-Colonel R. W. Stephens, M.B.E., M.A. Adjutant: Captain P. de V. Tacey.

UNIVERSITY AIR SQUADRON. Headquarters: Everton Road Drill Hall, Everton Road, Liverpool, 6. (*Telephone*: Anfield 1547.) Commanding Officer: Squadron Leader J. H. Gaston. Adjutant: Flight-Lieut. W. G. Bennett, D.F.C.

GUILD OF UNDERGRADUATES. Students' Union: 2 Bedford Street North, Liverpool, 7. (*Telephone*: Royal 4744.) Presidents: W. E. Denny, LL.B., Mary Gregson.

STUDENT ATHLETIC FACILITIES. Walter Harding Gymnasium, Bedford Street North, Liverpool; Geoffrey Hughes Athletic Grounds, Wyncote, Allerton, Liverpool. (*Telephone*: Allerton 2048.)

STUDENT HEALTH SERVICE. A Student Health Service is provided by the Univ., under the control of a Chief Medical Officer, assisted by other Medical Officers (one of whom is a woman) and a Student Welfare Officer.

PUBLICATIONS. *Calendar* (Oct.), 10s.; *Diary* (Oct.), free to members of the Univ.; *General Prospectus*; *Prospectuses of Faculties and Schools* (July), 3d. to 2s. 6d.; *Students' Handbook* (Oct.), free; *Students' Magazine, The Sphinx*, 6d. (4 numbers per session); *Med. Students Mag., Sphinx*, 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 1949-50

BENEFACTIONS. The Liverpool Cancer Control Organization, approx. £30,000 ; Trustees of Estate of late J. W. Alsop, £27,270 (being £18,120 towards the Chair of Music, and £9150 to General Funds) ; Trustees of Estate of late Mrs. Constance Alsop, £5460 to the Chair of Music ; United Liverpool Hospitals, £5000 a yr. for medical res. ; The Leverhulme Trust Fund, £3333 towards Fellowships ; Messrs. Goodlass, Wall and Co., Ltd., endowment of a postgraduate studentship in Chem. of an annual value of £400 during a period of 7 yrs. ; Racecourse Totalisator Charity Trust, £2000 towards a Fellowship in Vet. Med. ; Nuffield Foundation, £1400 to Dept. of Social Sci. ; Reilly Medal and Scholp. Fund, 20 bronze medals and capital sum of approx. £1300 ; County Borough of Dudley, £1250 towards res. in Dept. of Soc. Sci. ; Agricultural Res. Council, grant not exceeding £1250 in aid of investigations on John's disease by Dept. of Vet. Pathol. ; Executors of the Estate of late Mrs. J. I. C. Davies, a further £1196 for the postgraduate studentships in Fac. of Arts, and for the use of Dept. of Orthopædic Surg. ; Messrs. Brotherton & Co. Ltd., £1000 to Dept. of Organic Chem. ; Messrs. J. Bibby and Sons Ltd., £780, being £250 each to the Depts. of Industrial Chem. and Biochem., and the Vet. Field Station, and £30 to the Fac. of Engin. ; Smith, Kline and French Labs., Philadelphia, U.S.A., £550 towards res. in Dept. of Organic Chem. ; Messrs. Pilkington Brothers, Ltd., £500 to Univ. Funds ; Executors of Estate of late G. O. Jones, £500 to General Funds ; Management Trustees of Charles Brotherton Trust, £450 towards the Charles Brotherton Scholp.

NEW BUILDINGS. Nuclear Physics Res. Labs.

CHANGES IN REGULATIONS. Ordinances have been made, amended or repealed, dealing with the following matters : Constitution of Facs., Undergraduates and other students, Board of Vet. Studies, Degrees of B.A., M.C.D., B.Sc., M.B., Ch.B., M.D., M.Rad., M.Ch.Orth., B.D.S., B.V.Sc., M.Eng., Ph.D., Licence in Dental Surg., Dipl. in Radiol., Certifi. in Civic Design. Regns. have been made, amended or repealed dealing with the following matters : Degrees of B.A., B.Arch., M.C.D., B.Sc., M.B., M.Ch.Orth., M.Rad., Ch.M., B.Eng., Dipls. in the Study of Records and Admin. of Archives, Civic Design, Certifis. in Soc. Sci., Care of Children and Young Persons, Civic Design, Engin. Examn. in Professional Practice, Mrs. J. I. C. Davies Postgraduate Studentships, Goodlass Wall Postgraduate Studentship in Chem., Univ. Entrance Scholps., Alexander Mair Prize in Philos., Charles Reilly Medal and Prize, Wilberforce Silver Medal, William Mitchell Banks Medal, Torr Medal, William James Eastwood Medal, Bark Gold Medal, Augusta Lipkin Medal, Kanthack Medal, James Carlton Stitt Medals, Veterinary Clinical Prize, Edgar Golding Prize in Vet. Anat., Prize in Vet. Pathol. and Bacteriol.

EXTRA-MURAL WORK. A total of 54 courses and 81 single lectures were arranged during the yr. The courses (excluding residential courses) comprised 556 meetings and the number of students enrolled was 1843. These figures are higher than in any previous yr of the Dept.'s history. The Dept. arranged 97 three-yr. tutorial classes in collaboration with the W.E.A. and the number of registered students was 1226. The Dept. collaborated in the organization of the W.E.A. Summer School at Wilton Park, Beaconsfield. The presence of

a considerable contingent of German students added interest to the life of the school. Two additional Staff Tutors have been apptd.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. F. G. Allan, Birmingham, "Lengthening of Bones of the Leg." Prof. S. L. Baker, Manchester, "Basic Reactions of Bone Tissue." Prof. E. Beaglehole, New Zealand, "Culture and Personality." M. Beresford, Leeds, "Geography." Prof. J. Bien-Ming, Amoy, "Chinese and English Word-tones." Prof. F. M. Burnet, Melbourne, "Australian Work on Rubella in Pregnancy." Prof. Eliza M. Butler, Cambridge, "Breaking the Faust Tradition, 1759-1808." Prof. V. Gordon Childe, London, "Magic, Craftsmanship and Science." Prof. W. J. Dieckmann, Chicago, "Pathology." Prof. E. Estyn Evans, Belfast, "Geography." Prof. A. T. Hertig, Harvard, "Some Clinico-Pathological Observations on Hydatidiform Moles and their Relation to Chorion-epithelioma." Dr. K. A. Hirsch, Durham, "Pure Mathematics." Prof. the Rev. E. O. James, London, "Religion, Society and the Individual." Dr. Kober, Birmingham, "Pure Mathematics." Prof. D. L. Linton, Sheffield, "Geography." Dr. W. E. Russell, Oxford School of Agriculture, "Geography." Prof. E. L. Sukenik, Jerusalem, "The Dead Sea Scrolls." Prof. E. C. Titchmarsh, Oxford, "Pure Mathematics." Prof. J. H. C. Whitehead, Oxford, "Pure Mathematics."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. R. G. Faithfull, Leeds. Dr. Dorothy Knowles, Bristol. Prof. Meek, Birmingham and London. Prof. Allison Peers, Madrid and Valencia. T. G. E. Powell, Manchester. Prof. Rosenhead, Jerusalem. Prof. Smith, Oxford School of Geography. Prof. Sheehan, Illinois and Oklahoma.

NEW DEPARTMENT AND POST. Dept. and Chair of Veter. Preventive Med.

RETIREMENTS. Prof. R. G. Batson (Civil Engin.); Prof. A. Y. Campbell (Greek); Prof. W. H. Wood (Anat.).

RESIGNATIONS. A. O. Carter (Electro-technics); A. K. Croston (English Lit.), on appt. to Chair of English at Univ. Coll. of the West Indies; Rosemary Frost (Soc. Sci.) on her marriage; Dr. W. H. J. Fuchs (Pure Maths.), on appt. as Assoc. Prof. of Maths. at Cornell Univ.; Dr. D. R. Hardy (Electro-technics); Mr. H. L. Hudson-Williams (Greek), on appt. to Readership in Greek at Univ. of Durham; Dr. J. B. MacKenzie (Organic Chem.), on entry into industry; Dr. C. N. Parkinson (Modern Hist.), on appt. to Chair of History, Univ. of Malaya; H. A. Prime (Electronics); Dr. P. T. Stevens (Latin and Greek), on appt. to Chair of Greek at Bedford Coll., Univ. of London; Dr. D. B. C. Taylor (Mechanical Engin.), on appt. to post at Nottingham Univ.

DEATHS. Sir Richard Armstrong (Pro-Chancellor 1936-48 and member of Council for 26 yrs.); Mr. D. Brooke (Sr. Lectr. and Studio Instructor in Archit.); Mr. E. V. Crooks (member of Court since 1910 and former member of Council); Emeritus Prof. E. R. Dewsnap (Chaddock Prof. of Commerce, 1919-39); Prof. W. J. Dilling (Prof. of Pharmacol., 1930-50); Emeritus Prof. E. W. Hope (Prof. of Hygiene, 1897-1931); Mr. W. Horton (Hon. Graduate); Emeritus Prof. T. P. McMurray (Prof. of Orthopaedic Surg., 1939-1947); Mr. T. W. Sussams (Sr. Lectr. in Educn.); Ven. Archdeacon Twitchett (Hon. Graduate); Prof. P. Barrett Whale (Brunner Prof. of Economic Sci., 1945-50).

HONORARY DEGREES. M.A.—R. Sharpe France, Clerk of Records at the County Record Office, Preston; T. Keeling, Chairman of the Liverpool Regional Hospital Bd. and of the Bd. of Governors of the Teaching Hospitals; E. Hope Prince, formerly Editor of the *Liverpool Echo*; Lucie Red-

fearn, Asst. Sec. of Liverpool Council of Social Service. *M.D.*—Dr. E. A. Gregg, Chairman of Council of the B.M.A. ; Dr. C. O. Stallybrass, former Dep. Medical Officer of Health for the City of Liverpool. *D.V.Sc.*—Prof. F. Blake-more, former student of the Univ. and first occupant of the Chair of Vet. Med. in the Univ. of Bristol. *LL.D.*—Prof. Sir Henry Cohen, President of the B.M.A., 1950–51.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	326	2586
Women	68	698
Total	394	3284

Included in the above are 521 postgraduate students (413 men, 108 women) ; 1022 first-year admissions (770 men, 252 women).

DEGREES. *Ph.D.* (Arts), 2 ; *M.A.*, 11 ; *B.A.* (Hons. in Special Studies), 95 ; *B.A.* (Hons. in General Studies), 5 ; *B.A.* in Special Studies, 2 ; *B.A.* in General Studies, 58 ; *B.A.* (War Service), 1 ; *B.Arch.* (Hons.), 21 ; *B.Arch.* (Ord.), 45 ; *B.Com.* (Hons.), 3 ; *B.Com.* (Ord.), 14 ; *D.Sc.*, 4 ; *Ph.D.* (Sci.), 26 ; *M.Sc.*, 5 ; *B.Sc.* (Hons.), 79 ; *B.Sc.* (Ord.), 64 ; *B.Sc.* (War Service), 2 ; *M.D.*, 12 ; *Ph.D.* (Med.), 2 ; *M.Ch.* Orth., 16 ; *M.Rad.*, 4 ; *M.B.*, *Ch.B.* (Hons.), 3 ; *M.B.*, *Ch.B.* (Ord.), 64 ; *B.D.S.* (Ord.), 6 ; *M.V.Sc.*, 4 ; *B.V.Sc.* (Hons.), 2 ; *B.V.Sc.* (Ord.), 25 ; *LL.M.*, 4 ; *LL.B.* (Hons.), 20 ; *LL.B.* (Ord.), 6 ; *D.Eng.*, 1 ; *Ph.D.* (Engin.), 4 ; *M.Eng.*, 20 ; *B.Eng.* (Hons.), 44 ; *B.Eng.* (Ord.) 42 ; *B.Eng.* (War Service), 1.

[Information compiled as at 11/5/51;
Staff list revised on 11/9/51.]

UNIVERSITY OF LONDON*

Founded 1836

Postal Address: The Senate House, London, W.C.1.

Telegrams: 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 H. HALE BELLOT, M.A. Oxon.

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.

ACCOUNTANT—A. B. WATERFIELD, B.A.

SUPERINTENDENT OF EXAMINATIONS—R. B. P. WALLACE, M.A., LL.B.
Camb.

SECRETARY TO THE APPOINTMENTS BOARD—H. R. WALTERS, M.C.,
T.D., B.Sc. (Eng.).

SECRETARY TO THE ATHLONE PRESS—W. D. HOGARTH, O.B.E., M.A.
Oxon.

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."

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

SCHOOLS AND INSTITUTIONS

For the convenience of readers these have been divided in the following reference list into University Institutions ; 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 Institutions

Courtauld Institute of Art (p. 197).	Institute of Germanic Languages and Literatures (p. 208).
Institute of Advanced Legal Studies (p. 199).	Institute of Historical Research (p. 209).
Institute of Archæology (p. 200).	School of Slavonic and East European Studies (p. 210).
Institute of Commonwealth Studies (p. 202).	University Observatory (p. 211).
Institute of Education (p. 204).	Warburg Institute (p. 212).

Non-Medical Schools

Bedford College (for women) (p. 213).	Royal Holloway College (for women) (p. 247).
Birkbeck College (p. 217).	Royal Veterinary College and Hospital (p. 250).
Imperial College of Science and Technology (p. 221).	School of Oriental and African Studies (p. 252).
King's College (p. 229).	School of Pharmacy (p. 259).
King's College of Household and Social Science (p. 235).	University College (p. 260).
London School of Economics and Political Science (p. 237).	Westfield College (for women) (p. 273).
Queen Mary College (p. 243).	Wye College (p. 276).

Theological Schools (pp. 280-281)

*New College.

*King's College: Theol. Dept.

*Richmond College.

*St. John's Hall.

Undergraduate Medical and Dental Schools

Charing Cross Hospital Medical School (p. 282).	Royal Free Hospital School of Medicine (p. 298).
Guy's Hospital Medical School (p. 284).	St. Bartholomew's Hospital Medical College (p. 301).
King's College Hospital Medical School (p. 287).	St. George's Hospital Medical School (p. 304).
London Hospital Medical College (p. 290).	St. Mary's Hospital Medical School (p. 307).
Middlesex Hospital Medical School (p. 293).	St. Thomas's Hospital Medical School (p. 310).
Royal Dental Hospital of London, School of Dental Surgery (p. 296).	University College Hospital Medical School (p. 313).
	Westminster Medical School (p. 316).

* Not in receipt of U.G.C. grants.

Postgraduate Medical Schools

British Postgraduate Medical Federation (p. 319) :—	Institute of Neurology (p. 326).
Postgraduate Medical School of London (p. 322).	Institute of Orthopædics (p. 327).
Institute of Psychiatry (p. 323).	Institute of Diseases of the Chest (p. 328).
Institute of Laryngology and Otology (p. 324).	Institute of Cardiology (p. 328).
Institute of Child Health (p. 324).	Institute of Dermatology (p. 329).
Institute of Ophthalmology (p. 325).	Institute of Urology (p. 329).
Institute of Obstetrics and Gynæcology (p. 326).	Institute of Dental Surgery (p. 330).
	London School of Hygiene and Tropical Medicine (p. 331).

*Lister Institute of Preventive Medicine (p. 334).	*Royal Cancer Hospital (p. 335).
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Institutions with Recognized Teachers

University of London : Goldsmiths' College (p. 336).	Northampton Polytechnic (p. 337).
Battersea Polytechnic (p. 336).	Northern Polytechnic (p. 337).
Chelsea Polytechnic (p. 336).	Rothamsted Experimental Station (p. 337).
College of Estate Management (p. 336).	Royal Academy of Music (p. 337).
East Mallang Research Station (p. 336).	Royal College of Music (p. 337).
Jews' College (p. 336).	Royal Institution (p. 337).
John Innes Horticultural Institution (p. 336).	Sir John Cass College (p. 337).
Maria Grey Training College (p. 336).	Trinity College of Music (p. 337).
National Institute for Medical Research (p. 337).	West Ham Municipal College (p. 337).
	Woolwich Polytechnic (p. 337).

GENERAL INFORMATION

The University authorities desire that it should be clearly understood that they can accept no responsibility for any information concerning exams. 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 exams. was restricted to students of certain affiliated Colleges was abolished, except for exams. in Medicine, in 1858. In 1878

* Not in receipt of U.G.C. grants.

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 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) provides a free lending library for students and well-equipped research libraries for postgraduate students. It includes 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 2500 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 Institute of Advanced Legal Studies, the Institute of Commonwealth Studies, 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*.

FACULTIES AND DEANS. Theology, Rev. Prof. R. V. G. Tasker (King's Coll.). Arts, Prof. E. H. Warmington (Birkbeck Coll.). Laws, Prof. R. H. Graveson (King's Coll.). 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 50 Boards of Studies.

TERMS for Univ. and Inter-collegiate courses, 1951-52: Oct. 3-Dec. 12; Jan. 9-March 19; April 23-July 2.

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 or Preliminary and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental Surgery, Architecture and Vet. Sc.) to 3 or 4 yrs. in all. All External students (except for the Intermediate overseas) are required to register, and all must previously have matriculated or must satisfy the minimum entrance and Faculty requirements of the Univ. at the time of first registration. Copies of all Regns. may be obtained from the External Registrar.

EXTERNAL EXAMINATIONS OVERSEAS. Certain of the examns. of the Univ. for External students are held not only in London and at Provincial centres within Great Britain, but also at centres in the Dominions and Colonies and in some foreign countries. The examns. in Theol., in Arts, in Laws, in Economics and in Commerce have been held at about 156 overseas centres. The 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 Intern. may be accepted subject to regns. in lieu of a course taken in this Univ.

Any person who has passed the Intern. examn. as an *External* student may be allowed to take the Final examn. for the first degree after having attended as an Internal student an approved course of study for it extending over 2 or 3 yrs., as required by the Regulations, but in the case of those taking it after 2 yrs. the degree is not conferred till after a further yr.'s course of approved study.

Courses for Internal Degrees are held at the following :

Theology. King's College Theological Department, 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.

Courses for the Postgraduate Certificate in Education are held at the Institute of Education, King's College and Goldsmiths' College.

The following is a brief summary of the Regulations. There are many exceptions and exemptions in regard to which reference should be made to the latest edition of the *Regulations* published by the Univ.

ARTS. The following first degrees are awarded: B.A. (General), B.A. Honours, B.A. (Architecture) (internal only).

B.A. (General) and B.A. Honours. Normally not less than 3 yrs. Intermediate examn. in 3 subjects, including 2 languages, of which one must normally be Latin or Greek. Exemption from part or whole of the Inter. examn. may be granted under certain conditions. In the Final examn. for B.A. (General) degree 3 subjects must be taken. The B.A. Honours degree may be taken in any one of the following branches: Classics, Greek, Latin, History, History of Art, Geog., Maths., Psychol., Sociol., English, French, German, Italian, Portuguese, Spanish, Scandinavian Languages, Czech and Slovak Lang. and Lit., Hungarian Lang. and Lit., Polish Lang. and Lit., Russian Lang. and Lit., Serbo-Croat and Slovene Lang. and Lit., Slavonic and East European Regional Studies, Arabic, Classical Chinese, Modern Chinese, Hebrew, Japanese, Modern Japanese, Malay, Pali, Persian, Sanskrit, Sinhalese, Tamil, Turkish; also Architecture and Celtic for External Students and, for Internal Students, Anthropol., Dutch, Bengali, Burmese, Gujarati, Hindi and Urdu. Candidates for B.A. Hons. degrees in certain subjects must also offer a subsidiary subject. The B.A. (Architecture) course for Internal students extends over 5 yrs. Intermediate Examn. in 5 subjects, including 2 languages, of which one must normally be Latin or Greek. Exemption from the Intermediate examn. may be granted under certain conditions.

The following Higher Degrees are awarded: M.A., M.A. (Architecture), Ph.D., D.Lit. Admission to examns. for these degrees is confined to graduates of this or other Univs. Examn. for the M.A. degree may be by written papers or by thesis. Examn. for the Ph.D. degree is by thesis only. Candidates for the D.Lit. degree must have previously obtained the M.A. degree or Ph.D. degree in the Fac. of Arts. The D.Lit. degree is conferred for original published work.

Diplomas. Internal. Academic Diplomas in Education, 1 yr.; Geog., 2 yrs.; History of Art, 2 yrs. postgrad.; Military Studies, 2 yrs.; Slavonic and East European Studies, 2 yrs.; Town Planning & Civic Archit. or Civic Engin., pt.-time, 2-3 terms. Academic Postgraduate Diplomas in Anthropol.; Archaeol.; Colonial Studies; Comparative Philol.; Phonetics; Psychol., 2 yrs. Archive Administration; Librarianship: 1 yr. whole-time, 3-5 yrs. pt.-time. Postgraduate Certificate of Education, 1 yr.; Diploma in Fine Art, 3 yrs. External. Diplomas in Geog.; Educn.; Postgrad. Certif. in Educn. For Diplomas in the Humanities, v. Univ. Extension *infra*.

SCIENCE. The following First Degrees are awarded: B.Sc. (General). Normally 3 yrs.; Intermediate Examination in Science in 3 or 4 subjects which must include Mathematics or Physics or Chemistry. Final Examn. in 3 subjects selected from the following: Anat., Anthropol., Astronomy, Botany, Chem., Geog., Geol., Pure Maths., Appl. Maths., Military Studies, Physics,

Physiol., Psychol., Statistics, Zool. B.Sc. (Special), Old Regns. Normally 3 yrs.; Intermediate Examn. in Science as above; Final Examn. in one principal subject and an examn. in a subsidiary subject. B.Sc. (Special), Revised Regns. Normally 3 yrs.; preliminary qualifications normally 3 specified subjects at General Certificate of Education Advanced level or the equivalent. Final Examn. in the principal subject and examns. in 1 or more ancillary subjects. The subjects for B.Sc. (Special) are those for B.Sc. (General) with the exception of Military Studies. B.Sc. (Agriculture). Normally a 3-yr. course. Intermediate Examn. in 4 subjects. Final Examn., Part I in Chem., Botany, Zool., Geol.; Part II in Crop Husbandry, Agric. Engin., Animal Husbandry, Vet. Hygiene, Farm Management, Agric. Economics, Agric. Accountancy. B.Sc. (Horticulture). Normally a 3-yr. course. Intermediate Examn. in 5 subjects. Final Examn., Part I; Principles of Hortic.; Part II; Practice of Hortic. B.Sc. (Household and Social Science). Normally a 3-yr. course. First (Intermediate) Examn. in Physics, Inorg. Chem., Biol., Social and Economic History. Second Examn. in Chem. (Organic and Physical), General and Economic Biol., Principles of Economics and Business Affairs. Final Examn. in Physiol. and Biochem., Hygiene, Bacteriol. and alternative groups of specialized subjects. B.Sc. (Veterinary Science). Normally a 5-yr. course. First Examn. in Inorg. Chem., Physics including Mechanics, and General Biol. Second Examn. in Vet. Anat. and Vet. Physiol. Final Examn. in Vet. Pathol. and Vet. Hygiene.

Exemptions may be granted, under certain conditions, from Intermediate Examns.

The following Higher Degrees are awarded: M.Sc., M.Sc. (Agriculture), Ph.D. The M.Sc. is obtainable by written examn. and dissertation, or by thesis; the Ph.D. by thesis only. Admission to examns. for these Degrees is confined to graduates of this or other Univs. D.Sc. candidates must already have obtained a Higher Degree in Science and must submit original published work.

Diplomas. Academic Postgrad. Dip. in Bacteriol., 1 yr.; Academic Postgrad. Dip. in Dietetics; Academic Dip. in Geog., 2 yrs.; Academic Postgrad. Dip. in Psychol., 2 yrs.; External Dip. in Biol., 1 yr.; External Dip. in Geography.

THEOLOGY. *Intermediate:* Subjects: New Testament Greek, and 4 of following: Classical Greek, Elem. Hebrew, Latin, Ancient Hist., General Ethics, Ethics (set book), General Psychol., Psychol. of Religion. Exemptions: a degree in Arts of Univ. of London exempts from whole examn.; Intermediate in Arts and Higher School Cert. (or G.C.E. at Advanced level) may carry exemption in particular subjects.

First Degree: B.D. Not less than 2 yrs. Final Examn. covers 5 compulsory subjects (Old Test., New Test., Bibl. and Hist. Theol., Church Hist., Philos. Introdn. to Theol.) and a selected subject.

Higher Degree. M.Th. is open to those who have obtained Hons. at B.D., or a Pass at B.D. with a pass at 2nd Class Hons. standard at a further qualifying examn. Candidates are examined in *not more than three* subjects from following list, not more than one to be taken in any one yr.: Hebrew; Aramaic; Greek New Test. and Apocrypha; Church Hist.; Bibl. and Hist. Theol.; Study of Religion.

D.D. Candidates must have obtained B.D. and passed M.Th. examn. in at least one subject, and must submit published work or a thesis.

Diplomas: Academic Dipl. in Theol., 2 yrs. (also for External Students).

LAW. *Intermediate:* Subjects: Roman Private Law, Constitutional Law, English Legal System, Elements of Law of Contract. Exemptions: a pass in

General Principles of English Law at B.A. (Gen.) exempts from Elements of Law of Contract.

First Degree: LL.B. Normally 2 yrs. The Final Examn. is in 2 parts and candidates must normally pass Part I before entering for Part II. Part I consists of 4 selected papers. Part II consists of a paper on Jurisprudence and Legal Theory and 3 papers chosen from a list of 15 alternative subjects.

Higher Degrees: LL.M. Normally no candidate is admitted until 2 yrs. after passing the LL.B. Candidates are examined by 5 papers chosen from a list of 14, or in special cases may submit a dissertation and be examined by 3 papers. LL.D. Candidates must hold the LL.M. or the Ph.D. in the Faculty of Laws and must submit published work.

Diploma: Academic Postgrad. Dip. in Law, not less than 1 yr.

MEDICINE. First Degrees in Medicine and Surgery. The course for the M.B., B.S. degrees extends normally over 5½ yrs. The first Examn. for Medical Degrees (Chem., Physics and Biol.) is taken after 3 terms. Intermediate in Science or Higher School Certificate (or General Certificate of Education at Advanced level) may carry exemption in whole or part of First M.B. The Second Examn. for Medical Degrees (Human Anat., Physiol., Biochem. and Pharmacol.) is normally taken 5 terms after passing the First Examn. Revised Regns. will be introduced in Oct. 1953 in certain Medical Schools. (Students are advised to enquire at the Medical School of their choice.) The Pre-Clinical Examn., Part I, will be taken after 3 terms' study in a Medical School (no exemption on the grounds of Intermediate Science, Higher School Certif. or General Certif. of Education) and the Pre-Clinical Examn., Part II, after a further 5 terms. The course for the Third (Final) Examn. for Medical Degrees extends over 3 yrs. and is divided as follows: Part I: Pathol., Hygiene and Forensic Medicine; Part II: Medicine, Applied Pharmacol. and Therapeutics; Part III: Surgery and Obstetrics and Gynæcol. Part I may be taken after 30 mos.' course but after completing the 36 mos.' clinical course a candidate must enter for the examn. in which he has not already passed.

Institutions outside the U.K. and Eire, certificates from which for the complete course of Medical 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 yr.'s study in the U.K.: Univs. of Dalhousie, McGill, Toronto, Adelaide (with Infirmary), Melbourne (with Melb. and Alfred Hospls.), Sydney (with Infirmary and Prince Alfred Hospl.), New Zealand (with Dunedin Hospl.); following Indian and Pakistan Medical Colleges—Grant (Bombay), Seth Gordhandas Sunderdas (Bombay), Bengal (Calcutta), Lahore, Lucknow, Madras; Medical Coll., Colombo; Univ. of Malta; Sch. of Medicine, Cairo.

Higher Degrees in Medicine and Surgery. Ph.D. in Non-clinical Medicine; M.D. and M.S. under Old Regns., last examn. in Dec. 1952. M.D. and M.S. under Revised Regns.: Part I may be taken not less than 2 academic yrs. and Part II not less than 5 academic yrs. after candidate has obtained M.B., B.S. degrees of the Univ. of London. (Exemption from Part I if appointments held in approved Institution for not less than 2 yrs.) Part II (thesis) 3 yrs. after completing Part I.

First Degree in Dental Surgery. The course for the B.D.S. normally extends 5½ yrs. The following examns. are taken: First Examn. for Medical Degrees after 1 yr.; Second Examn. in Dental Surgery; Part I (General Anat., Physiol., Special Anat., and Histol.); 1 yr. after passing First M.B.; Part II (Prosthetic Dentistry) 1 yr. after passing Second B.D.S., Part I; Third Examn. in Dental Surgery, Part I (Medicine, Surgery, Pathol. and Bacteriol., Pharmacol. and Materia Medica) not less than 2 yrs. after passing

Second B.D.S., Part II; Part II: (Operative Dental Surgery and Orthodontics) at the next following examn.

Higher Degree in Dental Surgery. The M.S. may be taken by candidates holding M.B., B.S. degrees.

B.Pharm. The Final Examination is in two parts. Part I is taken at the end of the 2nd yr.'s course, and includes Pharmaceutics, Pharm. Chem., Pharmacognosy and Pharmacology. Part 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; Tropical Med. and Hygiene, 1 yr.; in Dietetics, 2 terms and 6 mos.' practical work; in Medical Radiology (Diagnosis or Therapy), 2 yrs. Psychological Medicine (Part I after not less than 6 mos.' course and Part II after a course of study extending over 3 academic yrs.). For Diploma in Nursing, v. Extra-mural Studies *infra*.

Music. The subjects for the Interim. examn. are Harmony and Counterpoint, Form and Analysis, and Hist. of Mus. For the B.Mus. examn.: Harmony and Compn., Counterpoint and Canon, Fugue, Hist. of Music, Musical Analysis, Musical Exercise. Candidates for the B.Mus. must submit a musical exercise. For the D.Mus. there is a written examn. and a musical exercise.

ENGINEERING. The following Degrees are conferred in the Fac. of Engineering: B.Sc. (Eng.); B.Sc. (Eng.) in Chem. Eng.; B.Sc. (Eng.) in Metallurgy; B.Sc. (Eng.) in Mining; M.Sc. (Eng.); Ph.D.; D.Sc. (Eng.). The course of study for the Final Examn. for a Bachelor's Degree extends over not less than 3 yrs.* Before entry on a course of study for a Final Examn., Internal and External candidates must pass at main subject standard in Pure Maths. and Appl. Maths. [or Mathematics (Pure and Applied)], Physics and Chemistry at a Higher School Examn. or at Advanced level at a General Certificate of Education Examn. or at the Preliminary (Intermediate) Examn. in Science or an approved equivalent (a candidate who is appropriately qualified in 3 of the subjects, Pure Maths., Appl. Maths., Physics and Chemistry, may be allowed to enter on the course and to complete the entrance qualifications by passing in the fourth subject before taking any part of the Final Examn.).

The General Internal and External Final Examns. in *Engineering* and *Chemical Engineering* are divided into 2 parts, Part I of the latter being divided into 2 sections. The General Internal and External Final Examn. in *Metallurgy* is divided into 3 parts. The Special Internal Final Examns. in *Engineering* are divided into 3 parts, and there are two Special Internal Final Examns. in *Chemical Engineering*, one divided into 2 parts, the other into 3 parts. The External Final Examn. in *Mining* is divided into 3 parts. There are Special Internal Final Examns. in *Metallurgy* and *Mining*. The Special Internal Examns. are confined to students of certain Schools of the University.

Internal Candidates for the M.Sc. (Eng.) degree are required to have graduated in this or another Univ. at least 1 yr. before entry to the M.Sc. (Eng.) Examn., but graduates of other Univs. are debarred by Statute from proceeding direct to higher degrees as External students. The examn. is by thesis or dissertation and there is an oral examn. The examiners may also require a written examn.

Except in exceptional circumstances, Internal and External candidates for

* External students are required to pursue the course at an Institution recognized for the purpose unless excused by reason of approved training and experience elsewhere.

the D.Sc. (Eng.) degree must have obtained in this Univ. the M.Sc. (Eng.) degree or Ph.D. degree in the Fac. of Engineering. The Degree is awarded on the ground of published work which affords definite evidence that the candidate has initiated and conducted research in Engineering Science of such quality as has given him an authoritative standing.

ECONOMICS. First Degrees: The following are awarded: B.Sc. (Econ.), Revised Regns. Normally 3 yrs. Preliminary qualifications: Pass an Intermediate or Preliminary Examn. or possess a Higher School Certificate or a General Certificate of Education with 3 subjects at Advanced level. The Final Examn. is in 2 parts and candidates must normally pass Part I before entering for Part II. Part I covers 7 compulsory papers (Principles of Economics, Applied Economics, Political History, Economic History, Elements of Government, History of Political Ideas and Elementary Statistical Method) and 2 alternative subjects chosen from a list of 10. Part II consists of 5 papers on a Special Subject chosen from a list of 13.

B.Sc. (Soc.). Normally 3 yrs. Preliminary qualifications: Pass an Intermediate Examn. or possess a Higher School Certificate or a General Certificate of Education with 3 subjects at Advanced level. A candidate who has obtained a B.A. Hons. degree in Sociol. will not be admitted. The Final Examn. consists of 10 papers on a group of subjects to be chosen from 3 groups. Candidates must also pass in Economics as a subsidiary subject.

B.Com. Normally 2 yrs. Subjects: Economics, an Approved Foreign Language, Commercial Law (or, in certain cases, a second approved foreign language) and a selected group of 4-5 papers to be chosen from 5 groups.

B.Sc. (Est. Man.). Normally 3 yrs. Intermediate Examn. in 4 subjects. Exemption from part of the Intermediate Examn. may be granted under certain conditions. The Final Examn. is in 2 parts. Part I covers 3 subjects. Part II covers Applied Economics and a group of 4 subjects to be chosen from 2 groups.

Higher Degrees. The following are awarded: M.Sc. (Econ.), M.Com., M.Sc. (Est. Man.), Ph.D., D.Sc. Admission to Masters' Degrees is normally 2 yrs. after passing the appropriate First Degree. For the M.Sc. (Econ.) candidates are examined in 1 subject to be selected from a list of 8 (4 papers or a dissertation and 2 papers). The M.Com. Examn. is by papers and a dissertation or thesis on an approved subject. The M.Sc. (Est. Man.) Examn. consists of 2 papers on a selected, approved general subject and a dissertation on an approved special subject.

D.Sc. Candidates must hold the M.Sc. (Econ.) or M.Com. or Ph.D. in the Fac. of Economics and must submit published work.

Diplomas. Academic Dip. in Public Administration, normally 2 yrs. Dip. in Social Studies (Ext.).

MILITARY EDUCATION. Military Studies is one of the optional subjects for the Intern. 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 renamed the Univ. of London Contingent of the U.T.C. (T.A.). Information from the Adjutant, U.T.C., Examination Halls, S.W.7. *Telephone*: Kensington 2482/3.

AIR SQUADRON. The Univ. of London Air Squadron was founded in 1935 by the Air Ministry with the assistance of the Univ. Authorities. Its main object is to promote a serious interest in flying and its allied subjects. Applications for membership should be addressed to the Sec., U. of L. Air Squadron, 48 Princes Gdns., S.W.7. *Telephone*: Kensington 6762.

POSTGRADUATE STUDY AND RESEARCH. In most of the 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 exams. for a degree in another Univ. An Internal student is further required to pursue a course of study of not less than 2 yrs.' full-time, or 4 yrs.' pt-time, training in 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. Registration (incl. matricn.), Internal, 3 gs., External, 5 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 degree or diploma 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 exams., or the examination for the B.Sc. (Econ.) degree under the revised regulations, to provide a reference and lending library for students, and generally to promote the value and usefulness of the degrees. The Bureau is administered by a Senate Committee. Prospectus and enquiry forms obtainable on application to the Sec., Commerce Degree Bureau, Senate House, W.C.1, *Telephone*: Museum 2843.

The UNIVERSITY APPOINTMENTS BOARD exists to obtain appointments for graduates. *Postal Address*: Senate House, W.C.1. *Telephone*: Museum 6682/3.

RESIDENCE. Hostels provided by the Senate: Canterbury Hall, Cartwright Gardens, W.C.1, for 220 women students (fees, £94:10s. to £110:5s. per session of 30 weeks); Connaught Hall of Residence, 16-20 Torrington Square, W.C.1, for 70 men students (fees, £75 to £105 per session of 30 weeks), and Nutford House, Brown Street, W.1, for 135 women students (fees, £78:15s. to £94:10s. per session of 30 weeks). Other Hall of Residence recognized by the Senate: College Hall, Malet Street, W.C.1, for 135 women students (fees, £94:10s. to £110:5s. per session).

Residence is also provided at or in connexion with the Inst. of Educn., Imperial Coll., King's Coll., London School of Economics, 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 200 Dominion and British men students; in addition Foundation House, 33-34 Leinster Grove, W.2 (*Telephone*: Paddington 0551), holds 12 married couples.

LODGINGS BUREAU, 28 Woburn Square, W.C.1 (*Telephone*: Museum 2818). 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 (*Telephone*: Museum 2757/8). 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 the area of operation includes the Counties of London, Middlesex and Surrey, south-west Essex and south Hertfordshire, and the County Boroughs of Croydon, East Ham, West Ham and Southend-on-Sea. The work is sub-divided as follows:

(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 History, Literature, the Arts, International Affairs, Govt., Social Studies, Religion, Physical and Biological Sciences, Geography. 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 undertake private study. An examn. for certs. may be held at the end of each Sessional course. Short courses (5 or 6 lectures) of a *pioneer* or illustrative kind are arranged. Continuous study over several 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 exams. Provision is made, where required, for post-diploma study.

(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, lasting six weeks, is held for U.S. graduates and undergraduates 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, visits, 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 1950 the course was attended by 210 students from 29 countries.

(f) The *Examination for the Certificate of Proficiency in Religious Knowledge* is held once a year in June in London, the Provinces and overseas. 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, Hungarian, Italian, Norwegian, Polish, Roumanian, Russian, Serbo-Croat, Spanish and Swedish* are held in June in London. 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 scheme of study, involving a directed course of reading, attendance at a Practical Course, field-work and essay.

* The Cambridge Local Examinations Syndicate also awards a Certificate of Proficiency in English, v. p. 105.

(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 pt.-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 London, 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 Dipl., for those desiring to specialize (i) in Mental diseases (Psychiatry), and (ii) in Mental Deficiency. The last examination for this Dipl. will be held in March-April 1952.

(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 London, 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 2 yrs. 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, in London, the Provinces and overseas, 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 London, the Provinces and overseas, 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 administrative work of an approved standard.

[*Further information and copies of the Regns. may be obtained from the Director of the Department of Extra-mural Studies, University of London, Senate House, W.C.1.*]

SCHOOL EXAMINATIONS. The Univ. conducts examns. for the *General Certificate of Education*. The examn. is held in approved Secondary Schools and may also be taken by Private Candidates. 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. is held at these 3 levels in June, and in Nov. 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. is attested by the Minister of Education.

The Univ. is prepared to hold the examn. at schools and for Private Candidates overseas; provided that, in the case of schools in the Commonwealth and Empire, the application is received through the Govt. of the

Dominion or Colony, or, in the case of schools in foreign countries, through H.M. representative.

Regns. are obtainable from the Sec. to the Matriculation and School Examinations Council, Univ. of London, Senate House, London, W.C.1.

The *ATHLONE PRESS* was established in 1950 with offices in the Senate House, its functions being to publish University lectures, the work of graduates of the University and of teachers of the University or of its Schools and Central Institutions, and such other works as the Board of Management may accept.

OFFICIAL 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. *Examm. 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. relating to Univ. Entrance Requirements and Conditions of 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 1949-50

BENEFACTIONS. The Nuffield Foundation has made grants to University Coll. totalling £16,500, which includes £1500 for experimental investigations in anat. and embryol., £5000 for the continuation of the comparative study of the nervous systems of animals, and 2 grants each of £5000 for work in zool. King's Coll. also received from the Foundation a grant of £8250 spread over 5 years for res. in zool., while grants totalling £3000 were made to the Insts. of Educn. and Child Health for the development of the Child Res. and Training Centre. The Rockefeller Foundation made a grant of \$5000 to King's Coll. for the purchase of equipment for zool., and a grant of \$37,000 for res. work in biophysics. The Univ. has received a bequest valued at £15,000 under the will of the late Mrs. J. F. Clifford to establish an entrance scholp. and a postgraduate res. scholp. in Med., and a sum of £8000 was left to Middlesex Hospital Med. School by the late Dr. S. C. Noble to endow a res. scholp. in cancer or diabetes. The executors of the late W. Graham Robertson made a gift of £7000 to provide an annual postgraduate studentship at the Courtauld Inst. of Art, and a further gift of £2000 to establish an annual travelling award at the Slade School of Art. The Passfield Trustees granted £3000 spread over three years for sociological res. at the London School of Economics. Miss M. Grant has agreed to enter into a 7-yr. covenant to provide an annual scholp. of £250 at University Coll., and Mrs. Lake Barnett has made a gift of £1000 for the Coote Lake Folk-Lore Room. London School of Hygiene and Tropical Med. has received a gift of approx. £1600 from the estate of the late Mrs. N. Dalrymple for the endowment of a res. scholp. E. S. de Beer, Miss M. L. de Beer and Miss D. H. de Beer have offered to provide £400 p.a. for 7 yrs. in memory of Prof. Saxl to assist the activities of the Warburg Inst. Many other benefactions were also made by industry, charitable foundations and private benefactors. *University Library.*—The Library of the Guildhall made an unconditional gift of volumes of the *London Gazette* covering a period of 50 yrs., a gift of 1140 vols. from the Elzevir and other Dutch presses of the 17th century, and deposited the Eliot-

Phelips Collection of 3000 volumes on permanent loan. Sir Louis Sterling and the Friends of the National Libraries made gifts towards the purchase price of a MS. of the Chronicle of Robert of Gloucester.

NEW POSTS. *Birkbeck Coll.*: Readership in Geol. *King's Coll.*: Readership in Pharmacol. *Imperial Coll.*: Readership in Theory of Aeronautical Structures; Readership in Mine Surveying. *London School of Economics*: Chair of Anthropol.; Chair of Social Admin.; Readership in Economics; Readership in Economics (Distribution); Readership in Economics (International Trade). *School of Oriental and African Studies*: Readership in Islamic Art and Archæol.; Readership in Phonetics. *University Coll.*: Chair of Electrical Engin.; Readership in Physiol.; Readership in Psychol. *Wye Coll.*: Readership in Agricultural Economics. *Royal Dental Hospital School of Dental Surgery*: Readership in Orthodontics. *St. George's Hosp. Med. School*: Readership in Bacteriol. *St. Thomas's Hosp. Med. School*: Readership in Obstetrics and Gynæcol. *Institute of Psychiatry*: Readership in Biochem.

SOME SPECIAL LECTURES DELIVERED IN 1949-50. *Creighton Lecture*—On "Historical Research in the Middle Ages" by Prof. V. H. Galbraith; *Ethel M. Wood Lecture*—On "The Literary Impact of the Authorized Version" by C. S. Lewis; *Heath Clark Lectures*—Four lectures on "The Contribution of Surgery to Preventive Medicine" by Prof. Sir James Learmonth; *Semon Lecture*—On "Tonsillar Function—A review of the evidence" by Mr. A. J. Wright.

STUDENTS. The total number of internal students on the roll was 22,660 in the session 1949-50, while 28,595 were registered as external during the year 1950. The number of full-time students in Schools of the Univ. and Senate Institutions (based on U.G.C. returns) in 1949-50 was 17,499 (12,684 men, 4815 women); of these, 5256 were first-year admissions (3544 men, 1712 women).

HONORARY DEGREES. *D.Lit.*—Dame Edith Evans, actress; Sir Maurice Powicke, former Regius Prof. of Modern Hist., Univ. of Oxford; M. Jean Sarrailh, Rector, Univ. of Paris. *LL.D.*—The Rt. Hon. Sir Norman Birkett, Chairman of the University Court, and a Judge of King's Bench Division, High Court of Justice; Sir Hector Hetherington, Principal and Vice-Chancellor of the University of Glasgow, and Chairman of the Committee of Vice-Chancellors and Principals; Mrs. Eveline Lowe, former Chairman of the London County Council. *D.Sc.*—Sir John Cockcroft, Director, Atomic Energy Research Establishment, Harwell.

UNIVERSITY INSTITUTIONS

COURTAULD INSTITUTE OF ART

Founded 1932

Postal Address : 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

<i>Art, History of</i>		<i>Chinese Art and Archæology</i>	
The Director	Prof.	Hansford, S. H., M.A.	Lectr.
The Deputy Dir.	Prof.		
Whinney, Margaret, D.Lit., F.S.A.		<i>Technology of Art, History of</i>	
	Reader.		Prof.
Hohler, C., M.A. Oxon.	Lectr.	Ruhemann, H.	Lectr.
Murray, P., B.A.	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 Chinese 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 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	32	35
Women	35	39
Total	67	74

Included in the above are 14 postgraduate students and 26 first-year admissions.

DEGREES, ETC. B.A. Hons. Hist. of Art, 13; Ph.D., 2; Academic Diplomas, 3.

INSTITUTE OF ADVANCED LEGAL STUDIES

Founded 1948

Postal Address : 25 Russell Square, London, W.C.1.

Telephone : Museum 3232.

CHAIRMAN OF COMMITTEE OF MANAGEMENT—The Right Hon. Sir
NORMAN BIRKETT, M.A., LL.B. Camb., LL.D.

DIRECTOR—Professor Sir DAVID HUGHES PARRY, M.A. Camb., D.C.L.
McG., LL.D. Br. Col., New Br., Wales and W. Ont.

SECRETARY AND LIBRARIAN—K. HOWARD DRAKE, M.A. Camb.

GENERAL INFORMATION

The Institute was established 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 23,000 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—S. W. WOOLDRIDGE, D.Sc., F.R.S.

DIRECTOR—V. G. CHILDE, B.A. Syd., B.Litt. Oxon., D.Litt. Harv., D.Sc. Penn., F.B.A.

SECRETARY—E. PYDDOKE, F.G.S.

TEACHING STAFF

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.,
D.Lit., F.S.A. Lectr.

Environmental A.

Zeuner, F. E., Ph.D., D.Sc. Prof.

Prehistoric European A.

The Director Prof.

Indian A.

Codrington, K. de B., M.A. Camb.
Prof.

Western Asiatic A.

Mallowan, M. E. L., M.A. Oxon.,
F.S.A. Prof.

GENERAL INFORMATION

Equipment provided in the first instance for the study of the 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 1949-50

A course of 10 special lectures on recent archæological work in the Near East was arranged at the Inst. during the autumn term, and in the spring term Prof. R. Pittioni of Vienna delivered here the Univ. Lectures in Archæology on "Prehistoric Copper Mining in Austria—Problems and Facts" (to be published in the Inst.'s *Annual Report*) in addition to the usual Diploma courses.

The Inst.'s collections were enlarged by the acquisition of the flint imple-

ments and sherds collected by Miss G. Caton-Thompson during her excavations at the Kharga Oasis, which represent the largest and most comprehensive series of palæolithic and later flint implements from this region available outside Egypt.

STUDENTS.

<i>Part-Time</i>	<i>Full-Time</i>
43	9

Total : 52 ; the total includes 32 women and 17 postgraduate students.

INSTITUTE OF COMMONWEALTH STUDIES

Founded 1949

Postal Address : 27 Russell Square, London, W.C.1.

Telephone : Langham 7855.

DIRECTOR—Professor W. K. HANCOCK, M.A. Oxon., F.B.A.

LIBRARIAN AND SECRETARY—A. R. HEWITT.

GENERAL INFORMATION

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 as wide a range of periodicals as space and finance will permit. 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.

THE YEAR 1949-50

BENEFACTIONS. Many Univs. and Univ. Colls. throughout the Commonwealth made contributions towards furnishing the Inst. in selected "Empire timbers." The Rockefeller Foundation of New York made a grant of \$1500 to be expended during the ensuing 3 yrs. on the purchase of American and Canadian material.

BUILDING. Work of reconstruction and adaptation of the Inst.'s premises at 27 Russell Sq. was completed and the bldg. was occupied on June 1, 1950, although some time elapsed before decoration and furnishing were completed.

LECTURES. The Director delivered the Marshall Lectures at Cambridge, which have since been published under the title "Wealth of Colonies."

SEMINARS. The Director, assisted by three other members of the Univ. staff, took charge of a large Seminar for "Devonshire" students, *i.e.* those younger members of the Colonial Service who returned to the U.K. for a period of academic work. The Seminar, consisting of some 50 students, was divided into 2 groups. This work was continued the following session, with some variations of method, in the Inst.'s own bldg.

DISCUSSION EVENINGS. An experiment was tried of bringing together teachers in the Univ. and res. workers whose interests, wholly or partially, were within the Commonwealth field, by means of discussion evenings, when, after refresh-

ment, an expert in a particular field was invited to open a discussion on a selected subject. The theme for the discussions during the Lent (1950) term was "Some Socio-Economic Problems in British Colonies," and for those during the Summer (1950) term "Forces of Unity and Tension in the British Commonwealth." The experiment proved successful and is to be continued.

LIBRARY. Progress was made in procuring, cataloguing and classifying books, documents and periodicals, and some 2400 items were obtained by purchase and gift in the latter half of the academic year. The principles which guided selection are referred to under *General Information* above. Work commenced on the compilation of a "Bibliography of Bibliographies" in the library and on a union list of Commonwealth periodicals in London.

INSTITUTE OF EDUCATION

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. Col. (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.

ADVISER TO TEACHERS—C. WILLIS DIXON, M.A. Durh., B.Litt.

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. Catholic Training College, Cavendish Sq., W.1. Chelsea College of Physical Education, Eastbourne, Sussex. Clapham and Streatham Hill Training College, 28 Palace Road, S.W.2. Coloma Training College, Bedford Park, Croydon. 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 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, Straw-

berry Hill, Middx. Seaford Training College for Teachers of Housecraft, Cricketfield Road, Seaford, Sussex. Shoreditch Training College, Pitfield Street, N.1. Southlands College, 65 Wimbledon Parkside, S.W.19. Stockwell Training College, The Old Palace, Bromley, Kent. Training College for Technical Teachers, North-Western Polytechnic, Prince of Wales' Road, N.W.5. Trent Park Training College, Barnet, Herts. 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.
Col.

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.

Gardner, Dorothy E. M., M.A.
Leeds

Hd. of Dept. of Child
Development.

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.

Cleugh, Mary F., B.A., Ph.D.

Daltry, C. T., B.Sc.

Davis, Joan A. M., M.A.

Edwards, Daisy M., M.Sc., A.M.
Col.

Elliott, A. V. P., M.A. Camb.

Emerson, L. H. S., M.A. Camb.

Gwynne, Maura B., M.A. Camb.

Harrison, A. S., M.Sc. Manc.

Meier, F. A., M.A. Camb.

Parker, B. N., 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.

Wilshire, Phyllis N., M.A. Oxon.

Lecturers

Baggott, Doris I.

Balint, Edna, B.Sc., Ph.D. Manc.

Baron, G., B.A., M.Ed. Leeds.

Bearman, Mrs. Ethel C., M.A.
Oxon.

Burston, W. H., M.A. Bristol.

Cass, Joan.

Chandler, Constance M., B.Sc.

Coppen, Helen E., B.Sc. Pretoria.

Dickson, Yvonne.

Evans, P. C. C., M.A. Wales.

Figuerola, J. J., B.A.

Gabriel, Olive M.

Gattegno, C., Dr.Phil. Basle, M.A.

Gordon, Shirley C., M.A.

Gray, Mrs. Sylvia M., B.A. Pret.

Hellman Noach, 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., M.A.

Koop, Geraldine W.

Langdon, Eleanor M.

Lee, Doris, M.A., Ph.D.

Long, Iris L. M., M.A.

Martin, Nancy C., M.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.
 Speer, J. G., M.A. Oxon.
 Spencer, Ann O.
 Vivien, S., B.A.
 Waddington, Mary, M.A.
 Whitehead, F. S., M.A.
 Wilson, J., M.A. Glas.
 Winter, Phyllis E., B.A.

Visiting Lecturers

Akehurst, R. (Bookbinding).

Brodie, Una Z. (Speech Trg.).
 Dawson, Molly (Speech Trg.).
 Foster, Arnold W. (Music).
 Fowles, J. (Lab. Arts).
 Newland, W. R. (Pottery).
 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 Institute of Education is the Area Training Organization for the Counties of E. Sussex, Essex (except Mid-Essex and N.E. Essex), Kent, London, Middlesex, Surrey and the County Boroughs of Brighton, Canterbury, Croydon, Eastbourne, East Ham, Hastings, Southend, West Ham, and its purpose is to advance the knowledge and practice of educn. by research, to encourage the Univ. study of educn., and to improve, co-ordinate, and extend the provision for the training of teachers within the area.

Students are trained under the Regulations for the Training of Teachers (H.M. Stationery Office, Kingsway, London, 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. *Telephone*: Museum 5525.

FEES AND COURSES. The annual tuition fee for the following courses is £62: 10s.: Postgraduate Certif. in Educn., Art Teacher's Dipl., Special

Colonial Course, Advanced Course in the Dept. of Child Devel., Dipl. in English Educational Thought and Practice, Dipl. in the Methods of Teaching English as a Foreign Language, Dipl. for teachers of educationally sub-normal children, the Academic Dipl. in Educn., 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 Dec. 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 1949-50

STUDENTS. *Central College.*

	<i>Part-Time</i>	<i>Full-Time</i>
Men	163	331
Women	210	328
Total	373	659

The total of 1032 includes 629 graduates.

DEGREES, ETC. Ph.D. (Educn.), 6 ; M.A. (Educn.), 30 ; M.A. (Educn.), Pt. I, 35 ; Teacher's Dipl., 342 ; Art Teacher's Dipl., 70 ; Dipl. in English Education Thought and Practice, 18 ; Dipl. in Teaching of English as a Foreign Lang., 8 ; Academic Dipl., 9 ; Associateship of the Inst. of Educn., 12.

INSTITUTE OF GERMANIC LANGUAGES AND LITERATURES

Founded 1950

Postal Address : 29 Russell Square, W.C.1.

Telephone : Langham 2711.

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. EDNA PURDIE, M.A.,
D.Lit.

HONORARY DIRECTOR—Prof. L. A. WILLOUGHBY, M.A., D.Lit.

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

Postal Address : 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.

GENERAL INFORMATION

The Institute of Historical Research is one of the central institutions of the Univ. administered by a Cttee. appointed annually by the Senate. The Institute 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 British and Foreign history. The Institute 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 is undertaken by the Director, the Editor of the Victoria County History and members of the History Depts. of the Schools of the Univ. It 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 Institute 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. 69,379 books, periodicals and pamphlets; also 706 maps, 600 facsimiles.

PUBLICATIONS. *Annual Report*; *Bulletin* published twice a yr. (subs. 15s.) 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., F.S.A.), price 3 gs. or 4 gs. per vol. The Univ. publication, *School of History and Institute of Historical Research*, serves as a handbook to the Institute.

THE YEAR 1949-50

ADMISSIONS AND COURSES. The number of persons using the Inst. was 590, including 243 students reading for higher degrees. 28 postgraduate courses and seminars in History were offered.

FELLOWSHIPS AND OTHER AWARDS. 7 Res. Fellowships tenable at the Inst. in 1950-51 were awarded, also the Lindley Studentship and the Julian Corbett Prize for Naval Hist.

CONFERENCES. A two-day Anglo-American Conference of Historians was held in July 1950. Arrangements for British participation in the 9th International Congress of Historical Sciences in Paris were made at the Inst., the Dir. being Hon. Sec. of the British National Cttee.

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.

Hd. of Dept. and Masaryk
Prof.

History of Danubian Lands

Auty, Phyllis, B.A., B.Litt. Oxon.
Lectr.

History of Eastern Europe, Eco- nomic and Social

Warriner, Doreen, O.B.E., B.A.
Oxon., Ph.D. Lectr.

History, Modern Russian

Mosse, W. E., M.A. Camb. Lectr.

History, Russian

Seton-Watson, G. H. N., M.A.
Oxon. Prof.

Hungarian

Cushing, G. F., M.A. Camb. Lectr.

Polish

Pietrkiewicz, J., Ph.D.
Temp. 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. R., 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

Crisp, Olga, B.A. Asst. 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 Lecturers

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 gs. to 34 gs. per session.

COURSES. Teaching provided for First Degrees in the language, literature, history and economics of Russia and the countries of Eastern and Central Europe (excluding Germany). Special facilities for research and postgraduate work.

PUBLICATIONS. *Slavonic and East European Review* (twice p.a.). *Prospectus* (each session).

THE YEAR 1949-50

RETIREMENT. W. J. Rose from Professorship of Polish Lit. and Hist.

STUDENTS.

<i>Part-Time</i>	<i>Full-Time</i>
157	118

Total : 275 ; the total includes 79 women and 45 postgraduates.

DEGREES. B.A. Hons. (Russian), 4 ; B.A. Hons. (Polish), 1 ; B.A. Hons. (Czechoslovak), 1 ; B.A. (General), 2.

UNIVERSITY OBSERVATORY

Founded 1929

Postal Address : Mill Hill Park, N.W.7.

Telegrams (for overseas use only) : Comtelast London.

Telephone : Mill Hill 1618.

DIRECTOR—Prof. C. W. ALLEN, D.Sc. W.Aust.

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 cœlostat 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

Postal Address : Imperial Institute Buildings,
South Kensington, S.W.7.

Telephone : Kensington 9077 and 7727.

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. EDNA PURDIE, D.Lit.,
M.A.

DIRECTOR—H. FRANKFORT, Ph.D. Leiden, M.A., F.S.A.

ASSISTANT DIRECTOR—GERTRUD BING, Ph.D. Hamburg.

LIBRARIAN—O. KURZ, Ph.D. Vienna.

CURATOR OF PHOTOGRAPHIC COLLECTION—ENRIQUETA E. HARRIS, Ph.D.

TEACHING STAFF

<i>History of Preclassical Antiquity</i>		Gombrich, E. H., Ph.D. Vienna,
The Director	Prof.	M.A. Oxon. Lectr.
<i>History of the Classical Tradition</i>		Wittkower, R., Ph.D. Berl.
The Assistant Director	Lectr.	Special Pt.-time Lectr.
Mitchell, C., M.A. Oxon.	Lectr.	Swarzenski, P. T. J., Ph.D. Bonn
<i>History of Art</i>		Special Pt.-time Lectr.
<i>History of Art</i>		
Buchthal, H., Ph.D. Hamburg		<i>Comparative Literature</i>
	Reader.	Yates, Frances A., M.A. Lectr.

GENERAL INFORMATION

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 820 runs of periodicals. The *Photographic Collection* (about 200,000) includes sections on the survival of classical types, on mythology, symbolism, social activities, etc.

PUBLICATIONS. *Annual Report*; *Studies of the Warburg Institute*; *Corpus Platonicum Medii Aevi*; *Journal of the Warburg and Courtauld Institutes*; *Mediæval and Renaissance Studies*.

NON-MEDICAL SCHOOLS

BEDFORD COLLEGE *

Founded 1849, Incorporated 1909

Postal Address : 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—NORAH L. PENSTON, B.A., D.Phil. Oxon.

SECRETARY—IRENE G. SHEPPARD, B.A.

REGISTRAR—NORAH MCNAULTY, B.A.

BURSAR—GWENDOLINE GRIFFITHS, B.Sc.

LIBRARIAN—DORIS BAINS, B.A., F.I.A.

TEACHING STAFF

Botany

Audus, L. J., M.A., Ph.D. Camb.

Hildred Carlile Prof.

Jones, W. Neilson, M.A. Camb.

Emeritus Prof.

Sharman, B. C., Ph.D. Leeds

Lectr.

Heslop Harrison, Mrs. Yolande,

B.Sc., Ph.D. Durh.

Asst. Lectr.

Rose, F., B.Sc.

Asst. Lectr.

Menzies, Barbara P., M.Sc. N.Z.

Asst. Lectr.

Chemistry

Turner, E. E., M.A. Camb., D.Sc.,

F.R.I.C., F.R.S. Prof.

Smith, J. W., D.Sc., F.R.I.C.

Reader.

Lesslie, Mary S., M.A., B.Sc.,

Ph.D. St. And. Sr. Lectr.

Trew, Violet C. G., B.Sc., Ph.D.

Sr. Lectr.

Harris, Mrs. Margaret M., B.Sc.,

Ph.D. Pt.-time Lectr.

Hall, D. Muriel, B.Sc., Ph.D.

Lectr.

Hargreaves, M. K., M.A. Camb.,

Ph.D.

Lectr.

Howlett, K. E., B.Sc., Ph.D.

Asst. Lectr.

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.

(Ancient Hist.)

Emeritus Prof.

Ehrenberg, V. L., Ph.D. Tübingen

(Ancient Hist.) Reader.

Andrewes, Margaret, M.A.

(Latin) Sr. Lectr.

Holley, Nan M., M.A. Camb.

(Greek) Lectr.

Wilkinson, Mrs. Gillian A., M.A.

Camb.

(Latin) Lectr.

* For women.

Brouard, J., B.A.
(Latin) Pt.-time Asst.
Lectr.

..... (Latin) Asst. Lectr.
Moritz, L. A., M.A. Oxon.
(Greek) Asst. Lectr.

Dutch

Weevers, T., Lit.D. Leiden
(Lang. and Lit.) Prof.
Huysinga, Aletta, Lit. Docta.
Amst. Asst. Lectr.

Economics, v. Social Studies

English

Ellis-Fermor, Una M., M.A., B.Litt.
Oxon., D.Lit.

(Eng. Lit.) Hildred Car-
lile Prof.

Thomas, P. G., M.A. Camb.,
M.A., 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., B.A.

Reader.

Latham, Agnes M. C., M.A.,
B.Litt. Oxon. Lectr.

Ridley, M. R., M.A. Oxon.

Pt.-time Lectr.

Britton, G. C., M.A. Birm.
Asst. Lectr.

Johnston, A., B.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.

Timberlake, Eunice M., B.Sc.
Lectr.

Mountjoy, A. B., M.C., M.A. Read-
ing Lectr.

Vollans, Eleanor C., M.A., B.Litt.
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

Asst. Lectr.

German

Purdie, Edna, M.A. Liv., D.Lit.
Prof.

Massey, Isabella M., Ph.D. Marb.,
M.A. Camb. Reader.

Atkinson, Margaret E., M.A.
Lectr.

Stern, J. P., M.A., Ph.D. Camb.
Asst. Lectr.

History, Mediæval and Modern

Penson, Dame Lillian M., D.B.E.,
LL.D. Camb., Leeds, McG.

and St. And., D.Lit. Belf.,
D.Litt. Sheff. and W.Ont.,

Ph.D. (Mod. Hist.) Prof.

Greaves, R. W., M.A., D.Phil.
Oxon. Reader.

Tooley, Marion J., M.A. Sr. Lectr.
Du Boulay, F. R. H., M.A. Oxon.

Lectr.

Ramm, Agatha, M.A. Lectr.
Burton, I. F., B.A. Belf.

Asst. Lectr.

Lawrence, C. H., B.A. Oxon.
Asst. Lectr.

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.	Bowie, Jane, B.Sc.	Asst. Lectr. Asst. Lectr.
Clark, G. L., M.A., Ph.D. Camb. Reader.	<i>Psychology</i>	
Kneebone, G. T., B.Sc., M.Sc., Ph.D. Lectr.	Harding, D. W., M.A. Camb.	Prof.
Fowler, Mrs. Enid, Math. Trip. Camb., M.A. Pt.-time Lectr.	Wynn Reeves, Joan, Ph.D.	Lectr.
Sargent, Winifred L. C., M.A. Camb., Ph.D. Lectr.	Shimmin, Sylvia B. N., B.Sc.	Asst. Lectr.
Hardiman, Nellie J., M.Sc. Asst. Lectr.	Lawlor, Monica, B.A.	Asst.
Chalk, J. M. H., Ph.D. Asst. Lectr.	<i>Social Studies and Economics</i>	
<i>Philosophy</i>	Wootton, Mrs. Barbara, M.A. Camb.	Prof.
Acton, H. B., B.A., D.Phil. Oxon. Prof.	Williams, Mrs. Gertrude, B.A. Manc. (Social Econ.) Reader.	
Macdonald, Margaret, M.A. Camb., Ph.D. Lectr.	Pinchbeck, Ivy, M.A., Ph.D. Sr. Lectr.	
<i>Physics</i>	McGregor, O. R., B.Sc. (Econ.) Lectr.	
Flint, H. T., M.Sc. Birm., Ph.D., D.Sc. Hildred Carlile Prof.	Slater, P., M.A. Oxon. (Statistics) Pt.-time Lectr.	
Wilson, W., Ph.D. Leip., D.Sc., F.R.S. Emeritus Prof.	Rooff, Madeline M., B.A. Tutor.	
Little, V. I., B.Sc., Ph.D. Lectr.	McIntosh, Mrs. Marjorie, B.A. Oxon. Tutor.	
Williamson, E. Marjorie, M.Sc. Lectr.	Davidson, Mrs. Lillie D. E. Pt.-time Asst.	
Mansfield, R., B.Sc., Ph.D. Lectr.	<i>Zoology</i>	
Dale, Adeline M., B.Sc. Asst. Lectr.	Fox, H. Munro, M.A. Camb., F.R.S. Prof.	
Hill, Nora E., B.Sc. Demr.	Ince, Frances E., M.Sc. Sr. Lectr.	
<i>Physiology</i>	Gilchrist, Barbara M., B.Sc. Lectr.	
Murray, Margaret, M.A., D.Sc. Prof.	Hosking, Wendy M., B.Sc. Asst. Lectr.	
..... Lectr.	Green, J., B.Sc. Demr.	
..... Lectr.	Purves, E. Museum Asst.	
Cheesman, D. F., Ph.D. Lectr.		

ADMINISTRATIVE AND OTHER STAFF

Resident Tutor : Margaret A. Wileman, M.A. Oxon. ; Wardens : Mary S. Crewdson, M.Sc. ; Mrs Evelyn Stayt.

GENERAL INFORMATION

Founded 1849. A School of the Univ. in Arts and Science. The College LIBRARY contains 88,000 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: £1:1s. Athletic Union: £1:6s.

SCHOLARSHIPS for Graduates. Ten 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; Annette Okroyd, £40; Dame Margaret Tuke Travel Bursary, £100. 3 Postgraduate Fellowships of £300 each.

PUBLICATIONS. *Calendar*, post free, 3s. 6d. *B.C. Union Magazine* (Students).

THE YEAR 1949-50

BENEFACTIONS. £1180 from Dame Margaret Tuke Memorial Cttee. for endowment of Travel Bursary in memory of Dame Margaret Tuke, Principal of the Coll., 1907-29.

NEW BUILDINGS. The reconstruction of Herringham Bldg. was greatly advanced and occupation planned for January 1951. A start was made on the demolition and reconstruction of the war-damaged North Science Block, to be named Darwin Bldg.

NEW POSTS. Asst. Lectr. in Dept. of Greek; pt.-time Asst. Lectr. in Dept. of Latin. (Both for 1950-51.)

VISIT OF MEMBER OF STAFF FROM OTHER UNIVERSITY. Dr. L. Hotson from Virginia, Advanced Research Scholar under Fulbright Scheme, in Dept. of English.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Mrs. Williams, Reader in Social Economics, lecture tour in U.S.A. in Spring 1950 sponsored by Foreign Office. Prof. Acton, Head of Dept. of Philos., at Univ. of Lille during Easter Vacation 1950.

RETIREMENTS. Prof. Dorothy Tarrant, Head of Dept. of Greek, and Miss H. G. Proctor, Bursar, at end of 1949-50 session.

RESIGNATIONS. Dr. J. M. Hussey, Reader in Hist., on appt. to Chair of Hist. tenable at Royal Holloway Coll. Dr. P. O. E. Gradon, Lectr. in English, on appt. as Tutor at St. Hugh's Coll., Oxford. Dr. M. M. Folley, Lectr. in Psychol., on appt. to post at Univ. of Liverpool.

DEATHS. Sir Douglas Garrett, Governor and Councillor since 1926. Dowager Countess of Selborne, Governor since 1917.

STUDENTS.

<i>Part-Time</i>	<i>Full-Time</i>
34	836

Included in the above are 87 postgraduate students and 266 first-year admissions.

DEGREES. Arts: B.A., 143; M.A., 4; Ph.D., 1. Science: B.Sc., 75; M.Sc., 1; Ph.D., 9.

Founded 1823

Telephone : Langham 7941.

PRESIDENT OF THE COLLEGE—.....

MASTER—J. F. LOCKWOOD, M.A. Oxon., Ph.D.

REGISTRAR AND SENIOR TUTOR—DOUGLAS DAKIN, M.A. Camb., Ph.D.

LIBRARIAN—JOSEPH W. SCOTT, B.A. Leeds.

Botany

..... Reader.

Wilson, K., M.Sc., Ph.D. Lectr.

Plunkett, B. E., B.Sc. Lectr.

Alvin, K. L., B.Sc. Lectr.

1 Demr.

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., Ph.D.,
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.

Bartley, W. G., B.Sc. Res. Fellow.

Taylor, A. J., B.Sc. Lectr.

Rosenfelder, W. J., M.A. Camb.

Lectr.

Bradley, D. C., B.Sc., Ph.D.

Lectr.

7 Demrs.

Warmington, E. H., M.A. Camb.,
F.R.Hist.S. Prof.*

Jones, D. M., M.A. Oxon. Reader.

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Work on the new bldg. in Malet St. made steady progress; various vital matters were settled during the session and by the end of the summer term the framework was nearly complete with the exception of the north-east wing, and internal operations were making headway. It is hoped that the College will move into the new premises late in the summer of 1951. The Fac. of Arts, including the Dept. of Maths., continued to occupy lecture-room accommodation 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

* Head of Dept.

† Pt.-time Lectr.

year included Inaugural Lectures by Prof. A. Carey Taylor and Prof. R. J. McClean, holders of the Chairs of French and German respectively, and the Haldane Memorial Lecture by the Right Hon. Sir Henry Slessor. The 126th Anniversary of the Coll. was celebrated, when the Oration was given by Sir David Lindsay Keir (Master of Balliol).

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<i>Part-Time</i>	<i>Full-Time</i>
1503	72

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 Brock, Helen L., B.Sc.
 Pentz, M. J., M.Sc. Cape T.
 Vincenz, S. A., B.Sc.

Demonstrators
 Hester, A. G., B.Sc.
 Pashley, D. W., Ph.D., 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.

Reader.

Richards, O. W., M.A., D.Sc.
Oxon.

Reader.

Jepson, W. F., Ph.D., B.Sc.

Reader.

Wagge, Lille E., Ph.D., B.Sc.

Lectr.

Murray, D. R. P., M.A., Ph.D.
Camb.

Lectr.

Gorvett, H., Ph.D. Brist.

Lectr.

Waloff, Nadejda, Ph.D.

Lectr.

Lubatti, O. F., D.Chem. Turin,
B.Sc.

Lectr.

Davies, R. G., B.Sc.

Lectr.

Higgins, A. E. H., D.I.C.

Lectr.

Kermack, Doris M., B.Sc.

Lectr.

Jacobs, Brigitte, B.Sc. Asst. Lectr.

Boratynski, K., Ph.D. Poznan

Asst. Lectr.

Goto, H. E., B.Sc.

Asst. Lectr.

Blackith, R. E., B.Sc.

Asst. Lectr.

Biological Field StationMunro, Prof. J. W., M.A. Oxon.,
D.Sc. Edin.

Director.

Page, A. B. P., Ph.D.

Reader.

Lubatti, O. F., D.Chem. Turin,
M.Sc.

Lectr.

Higgins, A. E. H., D.I.C.

Lectr.

Davies, R. G., M.Sc.

Lectr.

**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. Brist.

Schwabe, W. W., B.Sc.

Hancock, C. R., B.Sc.

Lewelyn, F. W. M., B.Sc.

GENERAL INFORMATION

Founded by Royal Charter in 1907 for the purpose of giving the highest specialized instruction and providing the fullest equipment for the most advanced training and research in various branches of Science, especially in its application to Industry, the Imperial College includes as integral parts the following 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, except the sub-depts. of Mining Geology, Oil Technology ; Mathematics and Mechanics ; Meteorology ; Physics (Astro-physics, 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 250. The College is a School of the University in Science and Engineering. Students who are registered as candidates for one of the Associateships and who have qualified for entrance to the University of London are eligible for the B.Sc. Degree of the University in the Faculties of Science and Engineering, on the courses and examinations for the relative Associateship, if the University's regulations are complied with. The courses

IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY 227

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 Countries of the Commonwealth, the Ministry of Education, the University of London, the London County Council, the City and Guilds of London Institute, the Royal Commissioners for the Exhibition of 1851, the Royal Society, the Teaching Staff of the Imperial College, and learned societies concerned with industries. The Rector, as chief administrative officer of the Imperial College, and the three Deans are also members.

LIBRARIES. The Library of the Science Museum is available for the use of Students, and each Dept. is provided with a special Library.

ADMISSION. The conditions of admission are as under, but the College reserves power to admit in special cases candidates whose qualifications do not in every respect coincide with those prescribed, but whose previous training fits them to take full advantage of the course proposed; the prescribed qualifications give no right to admission, but will be considered with others of which the candidate may give evidence. For admission to First-Yr. courses candidates must normally have qualified for Univ. Entrance and have passed at Advanced level in the Gen. Cert. of Educn. or its equivalent, in Chem., Physics, and Maths.; for certain courses another subject may be accepted in place of Maths. A limited number of students are accepted to take the Prelim. (Inter.) course at the Coll. This is restricted to those entering the Royal School of Mines or those taking courses in Bot., Geol., Physics and Zool. at the Royal Coll. of Sc. 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 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; 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 89 students, at £13-£15 per term. Meals are provided by the Refectory at about 6s. 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*. No charge is made for any of these publications.

THE YEAR 1949-50

BENEFACTIONS. Donations totalling £3500 to provide equipment for Concrete Technol.

NEW DEPARTMENT AND POST. Chair of Mining Geol.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Rector represented Univ. of London at Tercentenary of the death of Descartes, Poitiers Univ. L. Roth, Rome Univ. and Bologna Univ., "Metodi ed esempi nella teoria della varietà unirazionali." G. A. Barnard, Czechoslovak Academy of Sciences, Prague, "Mathematical Statistics and their application to Engineering." D. Gabor, Institut Henri Poincaré, Paris, "Electronic Discharges" and "Electron Optics." Prof. G. I. Finch, Univ. of Madrid, "The Diffraction of Electrons and the Study of Surfaces"; Univ. of Seville, "Crystal Growth at Surfaces" and "Mechanical Wear and the Lubrication of Sliding Surfaces." E. T. Eady spent a term at the Institute for Advanced Study, Princeton.

DEATHS. Sir Herbert Read, member of Governing Body, 1917-25 and 1933-41. Sir Ralph Freeman, Hon. Fellow. F. A. Cobb, member of Governing Body, 1948-50. Dr. H. Shaw, member of Governing Body, 1945-50.

HONORARY FELLOWSHIPS. Sir George Dyson; Prof. J. C. Hunsaker, Professor of Aeronautical Engineering at M.I.T.; Sir Richard Southwell; Sir Henry Steward.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	314	1485
Women	16	55
Total	330	1540

Included in the above are 839 postgraduate students and 683 first-year admissions.*

DEGREES. *Arts*: Ph.D., 1. *Engineering*: B.Sc. (Eng.), 161; Ph.D., 14; M.Sc. (Eng.), 17. *Science*: B.Sc. (Special), 150; D.Sc., 2; Ph.D., 88; M.Sc., 15.

DIPLOMAS. A.R.C.S., 135; A.R.S.M., 56; A.C.G.I., 110; D.I.C., 172.

* Undergraduate and postgraduate.

KING'S COLLEGE

Founded 1829

Postal Address : Strand, W.C.2.*Telephone* : Temple Bar 5651.

CHAIRMAN OF THE DELEGACY—The Hon. ARTHUR J. P. HOWARD, C.V.O.

TREASURER—BERTRAM PERCY MOORE, B.A.

PRINCIPAL—Sir WILLIAM R. HALLIDAY, M.A. Oxon., LL.D. Glas.

DEAN—Rev. Canon ERIC S. ABBOTT, M.A. Camb.

SECRETARY—.....

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.

Muentner, A. H., Ph.D. Lectr.

Rawlings, H., M.Sc. Lectr.

Snell, R. S., M.B., B.S. Lectr.

Ker, H. R., M.B., B.S. Lectr.

Kennedy, J. A., M.B., B.S.

Lectr.

*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.

Metcalf, G., M.A., Ph.D. Camb.

Lectr.

Carpenter, J., B.A. Camb. Lectr.

Sutcliffe, J. F., B.Sc., Ph.D. Leeds

Asst. Lectr.

Smith, C. E. D., B.Sc. Edin.

Asst. Lectr.

1 Pt.-time Demr.

Chemistry

Hey, D. H., D.Sc. Manc., Ph.D.,

F.R.I.C. Daniell Prof.

Rideal, Sir Eric, 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.

Robertson, A. J. B., M.A., Ph.D.

Camb. Asst. Lectr.

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. Lectr.
..... 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.
Nash, J. K. T. L., M.A.I., M.A.
Dub. (Civ. E.) Reader.
Watts, F. G., M.Sc. (Eng.) 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 Lang. and Lit.

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.
3 Asst. Lectrs.

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., L. ès L.
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., M.A. 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., O.B.E., 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.
i Asst.

*Greek, Modern, and Byzantine
History, Language and
Literature*

Jenkins, R. J. H., M.A. Camb.
Koraës Prof.

History, v. also Greek

Williams, C. H., M.A. Camb. Prof.
Graham, G. S., M.A. Ont., A.M.
Harv., Ph.D. Camb.

Rhodes Prof. of Im-
perial 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.

Ball, J. N., M.A. Camb.
Asst. Lectr.

Law

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.
Tolson, Sylvia, M.B., LL.B.
Pollock, D. T. C., 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., Ph.D. Camb.
Lectr.

Dirac, G. A., B.A. Camb.
Asst. Lectr.

Kilmister, C. W., M.Sc., Ph.D.
Asst. Lectr.

Palaeography

Wormald, F., M.A. Camb., F.B.A.
Prof.

Pharmacology, v. Physiology

Philology, v. English and French

Philosophy

Findlay, J. N., M.A. Oxon. and
S.A., Ph.D. Graz. Prof.

Physics

Randall, J. T., D.Sc. Manc.,
F.R.S. Wheatstone Prof.

..... (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.

Curling, C. D., M.A. Camb.	Leitão, R. A. A., M.A. Coimbra
Seeds, W. E., M.Sc. Dub.	Lectr.
Asst. Lectr.	1 Assistant.
Elton, L. R. B., M.A. Camb., B.Sc.	<i>Romance Philology, v. French</i>
Asst. Lectr.	<i>Spanish Studies</i>
1 Pt.-time Demonstrator.	Wilson, E. M., M.A., Ph.D. Camb.
<i>Physiology, Biochemistry and Pharmacology</i>	Cervantes Prof.
McDowall, R. J. S., D.Sc., M.D.	Nadal, R. M., Lic. in Law Madrid
Edin., F.R.C.P.Ed. Prof.	Lectr.
Robson, W., Ph.D. Edin., D.Sc.	Hamilton, Mrs. Rita, L. ès L.
(Biochem.) Reader.	Lille, B.A. Lectr.
Brownlee, G., D.Sc. Glas., Ph.D.	Jones, R. O., M.A. Lectr.
(Pharm.) Reader.	1 Assistant.
Hewitt, J. A., Ph.D. St. And., D.Sc.	<i>Theology, v. p. 280</i>
Knox, J. A. C., M.D., Ch.B. Glas.	<i>Zoology and Animal Biology</i>
Sr. Lectr.	Danielli, J. F., D.Sc., Ph.D. Camb.
Widdowson, T. W., F.D.S. Lectr.	and Lond. Prof.
Quilliam, J. P., M.Sc., M.B., B.S.	Dawes, B., D.Sc., D.I.C. Reader.
Lectr.	Manton, Sidnie M., M.A., Ph.D.,
Munro, A. F., B.Sc., Ph.D. Aberd.	Sc.D. Camb., F.R.S. Reader.
Lectr.	Tribe, Margaret, D.Sc. Lectr.
Hall, J. E., M.B., B.S. Lectr.	Arthur, D. R., M.Sc. Wales Lectr.
1 Asst. Lectr.	Brown, Margaret E., M.A., Ph.D.
<i>Portuguese</i>	Camb. Lectr.
..... Camoens Prof.	Cloudsley-Thompson, J. L., M.A.
	Camb. 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 156,000 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. E. M. Wilson (Spanish); Laws,
; Natural Science, Prof. D. H. Hey (Chem.); Medical Science, Prof. T. Nicol (Anat.); Engineering, Prof. S. J. Davies (Mech. Engin.).

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 Teachers (men and women) for the Postgraduate Certificate in Education.

Engineering students are provided with facilities for spending half of each summer vacation in engineering works.

Evening Classes in the Faculty of Laws.

OTHER COURSES. The Associateship of King's College (A.K.C.) is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in Divinity and passed appropriate examinations.

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, 25 gs. (Even.), 34 gs. (Day); Science, 34 gs. (Maths.), 50 gs. (others); Med., £40 to £44; Engin., 60 gs.; Master's degrees or Ph.D., 21 gs.

SCHOLARSHIPS. For undergraduates: In Arts 5, ag. 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. Halliday Hall, South Side, Clapham Common, S.W.4, for 130 men; fees, £110 to £125 a session. King's College Hall, Champion Hill, S.E.5, for 90 men; fees, £110 for three terms.

A REGISTER OF FORMER STUDENTS is maintained. Membership of the Old Students' Association enables former students to keep in touch with one another and with the College.

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 1949-50

BENEFACTIONS. Agricultural Research Council, a grant of £1080 towards salary of a res. worker in cytol. and provision of a microscope and other apparatus. Institute of Petroleum, a grant of £300. Nuffield Foundation, a grant of £8250 to meet, over a period of 5 yrs., the salaries of 2 res. workers in Dept. of Zool. Rockefeller Foundation, \$5000 for 2 res. binocular microscopes and two dissecting microscopes for Zool. Miss Florence Hughes, bequest of £1000 for institution of scholp. for women. Dr. J. W. Pickering, bequest of £350 to found additional prize in Medical Fac.

NEW BUILDINGS. New laboratories for Physics and Engin. were in course of construction beneath the Coll. quadrangle.

NEW POST. Readership in Pharmacol.

OTHER DEVELOPMENT. Coll. Dipl. in Chem. Engin. recognized by Institution of Chemical Engineers as granting exemption from the Examn. for the Associate Membership of that Institution.

RETIREMENTS. Prof. A. J. Allmand, Prof. of Chem. from 1919 to 1950. Prof. D. Saurat, Prof. of French from 1926 to 1950.

RESIGNATIONS. Dr. J. S. Spink (French), apptd. to Chair of French at Univ. Coll., Southampton. Dr. E. Moreno (Spanish), apptd. to Chair of Spanish Lit. and Philol. in Univ. of Oviedo. Dr. S. G. Tomlin (Physics), apptd. Sr. Lectr. in Physics, Univ. of Adelaide. W. D. Corfield (Anat.), apptd. Registrar at Wembley Hospital. D. B. Taylor (Pharmacol.), apptd. Assoc. Prof. of Pharmacol. at San Francisco, Univ. of California. Dr. A. H. Willis (Engin.), apptd. Sr. Lectr. in Mechanical Engin. in N.S.W. Univ. of Technology, Sydney.

DEATHS. Lt.-Col. F. S. le Quesne, V.C., Fellow of Coll. Rev. W. O. E. Oosterley, Fellow of Coll. and Prof. of Old Testament Exegesis from 1927 to 1936. J. E. Barnard, F.R.S., Hon. Lectr. in Microscopy from 1909 to 1925. Dr. Clara M. Knight, on staff of Classics Dept. from 1910 to 1945. R. E. Shawcross, student in Fac. of Engin. from 1892 to 1895 and Lectr. from 1912 to 1923.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	217	1353
Women	42	332
Total	259	1685

Included in the above are 317 postgraduate students and 569 first-year admissions.

DEGREES OBTAINED. B.A., 140; M.A., 8; Ph.D. (Arts), 7; B.D., 11; M.Th., 2; B.Sc. (Eng.), 42; Ph.D. (Eng.), 4; LL.B., 47; Ph.D. (Laws), 1; B.Sc., 122; M.Sc., 8; Ph.D. (Science), 28.

KING'S COLLEGE OF HOUSEHOLD AND SOCIAL SCIENCE

Founded 1908

Postal Address : Campden Hill Road, W.8.

Telephone and Telegrams : Western 3704.

CHAIRMAN OF COUNCIL—Sir JOHN ATKINS, K.C.M.G., K.C.V.O.

PRINCIPAL—M. JOAN SARGEAUNT, M.A., B.Litt. Oxon.

SECRETARY—DOROTHY M. TALBOT, B.A.

TEACHING STAFF

Biology

.....	Reader.
.....	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., Ph.D.	Lectr.
.....	Asst. Lectr.
Hopkins, H. B., Ph.D. Leeds	
	Asst. Lectr.
David, Mrs. Sybil B., B.Sc.	
	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.
Clements, Winifred M., B.Sc.	
	Asst. Lectr.
Skinner, Mrs. Sheila K., B.Sc.	
	Asst. Lectr.
Anderson, J. Audrey, B.Sc.	
	Asst. Lectr.
Jones, J. Elinor	Asst. Lectr.

Hygiene and Bacteriology

.....	Sr. Lectr.
White, Helen R., B.Sc. Reading	
	Lectr.
Piggott, Mrs. 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., F.R.I.C.	Prof.
Clifford, Winifred M., M.Sc.	
	Sr. Lectr.

Mercer, Mrs. Georgina F. M., B.Sc.	<i>Psychology</i>	
Lectr.		
Copping, Alice M., M.Sc. N.Z.	Catlin, Mrs. Kathleen M., B.A.	
Lectr.		Lectr.
Davies, Beryl, M.A. Oxon.	<i>Social Science</i>	
Asst. Lectr.		
Batchen, Judith M., B.Sc. Q'ld.	Stanners, H., B.Sc. (Econ.)	
Asst. Lectr.		Sr. Lectr.
Cheesman, Mrs. Elizabeth, B.Sc.	<i>Zoology</i>	
Asst. Lectr.	Crofts, Doris, D.Sc.	Reader.

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 7000 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. There is an Old Students' Association.

FEES (per session): Tuition, from 36 to 45 gs. Residence, from 90 to 114 gs. Students' Union (including Athletic Union), £2.

PUBLICATIONS. *Prospectus* ; *Annual Report* ; *Students' Magazine*, 2s.

THE YEAR 1949-50

NEW BUILDINGS. Holly Lodge, a house near the Coll. which has recently been acquired, is being repaired and will provide additional Lecture Rooms, Tutorial Rooms and Common Rooms as from the Session 1950-51. The rebuilding of the East Block of the Coll. (destroyed by enemy action) has been put in hand.

RETIREMENT. Gladys A. Hartwell, D.Sc. (Reader in Dept. of Physiol.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	—
Women	—	265

Included in the above are 12 postgraduate students and 69 first-year admissions.

DEGREES. B.Sc. (Household and Social Science), 24.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

Postal Address : 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, D.Litt. Malaya,
F.B.A.

SECRETARY—EVE V. EVANS, B.A.

REGISTRAR—W. S. COLLINGS, B.A.

LIBRARIAN—G. WOLEDGE, B.A. Leeds.

TEACHING STAFF

Accountancy

Baxter, W. T., B.Com. Edin. Prof.

Solomons, D., B.Com. Reader.

Edey, H. C., B.Com. (and Business
Finance) Lectr.

6 Pt.-time Assts.

Anthropology, Social

Firth, R. W., M.A. N.Z., Ph.D.,
F.B.A. Prof.

Schapera, I., M.A. Cape T., D.Sc.,
F.R.S.S.Af. Prof.

Leach, E. R., M.A. Camb., Ph.D.
Reader.

Freedman, M., M.A. Lectr.

Morris, N. S., B.Sc. (For.) Edin.,
Dip. in Anthropol. Lectr.

1 Asst. Lectr.

Banking, Currency and Public Finance

Sayers, R. S., M.A. Camb. and
Oxon. Cassel Prof.

Wilson, J. S. G., M.A., Dip. Com.

W. Aust. Reader.

Peacock, A. T., D.S.C., M.A. St.
And. Reader.

Business Administration

Plant, Sir Arnold, B.Sc. (Econ.),
B.Com. Cassel Prof.

Colonial Studies

Mair, Lucy P., M.A. Camb., Ph.D.
Reader.

Wraith, R. E., O.B.E., B.Com.
Birm.

Organizer of Studies for
Colonial Students.

Commerce and Industry, v. also Law, Transport

Meade, J. E., C.B., M.A. Oxon.
Prof.

Edwards, R. S., B.Com. Prof.

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.

Thirlby, G. F., B.Com. Lectr.

Criminology

Mannheim, H., Dr. Jur. Königs-
berg 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.

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.

Hutchison, T. W., M.A. Camb.
Reader.

Turvey, R., B.Sc. (Econ.) Reader.

Morton, G., B.Sc. (Econ.), Ph.D.
Lectr.

Morgan, D. J., B.Sc. (Econ.)
Lectr.

Radomysler, A., B.Sc. (Econ.)
Lectr.

Ryan, W. J. L., M.A., Ph.D. Dub.
Lectr.

8 Asst. Lectrs., 1 Pt.-time Asst.
Lectr.

English (as a foreign language)

Chapman, R., B.A. Oxon., M.A.
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.,
D.Lit. (Social Geog.) Prof.

Buchanan, R. O., M.A. N.Z., B.Sc.
(Econ.), Ph.D. Prof.

Buchanan, K. M., B.A. Birm.
Lectr.

Harrison-Church, R. J., B.Sc.
(Econ.), Ph.D. Lectr.

Morgan, F. W., M.A. Camb.
Lectr.

Rawson, R. R., B.Sc. Wales
Lectr.

Wise, M. J., M.C., B.A. Birm.
Lectr.

3 Asst. Lectrs.

German, v. Modern Languages

History, Economic and Political

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.),
Ph.D. 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.

7 Asst. Lectrs.

History, International

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.

2 Asst. Lectrs.

International Relations

Manning, C. A. W., M.A., B.C.L.
Oxon. Montague Burton Prof.

Wight, R. J. M., B.A. Oxon.
Reader.
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, Sir David Hughes, B.A.
Wales, M.A., LL.M. Camb.,
LL.D. Wales, W. Ont., New
Br. and Br. Col., D.C.L. McG.
(English L.) Prof.
Plucknett, T. F. T., LL.B. Camb.,
M.A., F.B.A. (Legal History)
Prof.
..... Prof.
Kahn-Freund, O., Dr. Jur. Frank-
furt, LL.M. (English L.)
Reader.
Phillips, A., M.A. Oxon. (L. in
Colonial Territories) Reader.

Other Lecturers

Chorley, Rt. Hon. Lord, M.A.
Pt.-time.
Griffith, J. A. G., LL.M. (Ad-
min. L.).
Grunfeld, C., M.A., LL.B. Camb.
Mitchell, J. D. B., LL.B.
Schapiro, L. B., LL.B. Pt.-time.
de Smith, S. A., M.A. Camb.
Taylor, P. W. E., M.A. Camb.
Pt.-time.
Williams, J. E. H., LL.B. Wales.
2 Asst. Lectrs.

Logic and Scientific Method

Popper, K. R., M.A. N.Z., Ph.D.
Vienna, D.Lit. Prof.
Wisdom, J. O., Ph.D. Dub.
Lectr.

Modern Languages

Rose, W., M.A. Birm., Ph.D.
(German) Prof.

Guercio, F. M., B.A. Liv. (Ital.)
Lectr.
Reiss, H. S., B.A., Ph.D. Dub.
(German) Lectr.
Scott-James, Mrs. Paule H. J.,
B.Litt. Oxon., Ag. de l'U.
(French) Lectr.
4 Asst. Lectrs.

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, Chev.
Lég. d'H. Sr. Lectr.
Bassett, R., M.A. Oxon. 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.
4 Asst. Lectrs.

Psychology, Social and Industrial

Himmelweit, Hilde, M.A. Camb.,
Ph.D. Lectr.
Hotopf, W. H. N., M.A. Camb.
Lectr.
Raphael, Mrs. Winifred, B.Sc.
Pt.-time Lectr.
1 Asst. Lectr.

Social Science and Administration

Marshall, T. H., C.M.G., M.A.
Camb. (Soc. Inst.) 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.

- 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.
 Sear, Beatrice N., B.A. Camb. Lectr.
 Spencer, J. C., M.A. Oxon., J.P. Lectr.
 Stewart, Katharine F.
 Organizer of Practical Training.
 Willoughby, Gertrude, M.A. Sheff., D. de l'U. Paris Lectr.
 Younghusband, Eileen, M.B.E., J.P., Dip. in Sociol. Pt.-time Lectr.
 1 Asst. Lectr.
 Lecturers for Course in Mental Health
 McDougall, Mrs. Kate F.
 Joseph, Betty Pt.-time Lectr.
 1 Pt.-time Asst. Lectr.
 Occasional Lecturers
 Gardner, Dorothy E. M., M.A.
 Gillespie, W. H., M.D., M.B., Ch.B.
 Hilliard, L. T., M.A., M.B.
 Lewis, J. B. S., M.B., D.P.M.
 Mackintosh, Prof. J. M., M.A., M.D., D.H., F.R.C.P.
 Miller, E., M.A., F.R.C.P., D.P.M.
 Warden, Winifred M., M.Sc.
- 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.
 3 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.
 3 Asst. Lectrs.
- Trade Union Studies*
 Roberts, B. C., B.A. Oxon. Lectr.
- Transport*, v. also Commerce and Law
 Ponsonby, G. J., M.A. Camb. Cassel Reader.

In addition to the above, a large number of occasional appointments is made from year to year.

ADMINISTRATIVE STAFF

Asst. Sec. and Accountant: H. C. Scriven, F.C.I.S.; Careers Adviser: Commander D. Warren-Evans; Maintenance Officer: S. A. Godfrey, B.Sc. (Econ.); Asst. to the Sec.: 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 M. Bohm, Ph.D. Berl.

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, Colonial Studies, Law, Psychology, and Public Administration; for Certificates of the School in Social Science and Administration, for Social Workers in Mental Health, and in International Studies, and for Special Courses in Business Administration, Trade Union Studies, Personnel Management and Child Care.

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. (In and after the Session 1952-53 the fees for the Intermediate year will be the same as those now charged for the Final.) 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 and 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 pt.-time studies. Scholps. are also awarded during the undergraduate course, some of which are eligible for supplementation by the Ministry of Education.

RESIDENCE. Passfield Hall, 1-5 Endsleigh Place, W.C.1, for 60 men; fees: £3 : 3s., £2 : 19 : 6 and £2 : 16s. per week for single, double, and treble study-bedrooms respectively.

PUBLICATIONS. Learned: *Studies in Econ. and Pol. Sc.*; *Economica*, quarterly journal devoted to research in economics, economic history and statistics; *The British Journal of Sociology*, quarterly journal devoted to research in sociology and cognate subjects; *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 1949-50

NEW BUILDINGS. The School hostel in Endsleigh Place was extended by the acquisition of two adjoining houses.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. R. M. MacIver,

Columbia, 2 series of lectures on "Social Solidarity and Group Division" and "New Approaches in Sociology" and 1 lecture on "Wanted, a Theory of Democracy"; Prof. H. Heaton, Minnesota, 3 lectures on "The Anglo-American Merchants from 1780-1850"; Prof. R. G. Tugwell, Chicago, a series of lectures on "The Theory of Planning"; Prof. F. L. Vaughan, Oklahoma, a series of lectures on "The Economic Effects of the United States Patent System." Under the scheme for the promotion of Northern Studies, Prof. F. Zeuthen, Copenhagen, visited the School in the Michaelmas Term, giving a lecture on "The Insurance Doctrine and Social Security in Denmark and other Countries"; Docent A. Östlund, Stockholm, visited the School in the Lent Term; and Prof. B. K. Suviranta, Helsinki, in the Summer Term gave a lecture on "The Dilemma of Reparations: Reparations in Money and Reparations in Kind." Under the Univ. scheme of advanced lectures Prof. A. W. Ashby, Agricultural Economics Res. Inst., Oxford, delivered at the School 2 lectures on "Britain's Land Economy"; Prof. A. Hansen, Harvard, a lecture on "The Economic Outlook in the United States"; Prof. A. Henderson, Manchester, 3 lectures on "The Theory of the Firm"; Prof. Eucken, Freiberg, a series of 4 lectures on "Problems of the Economic Order with special reference to German Experience"; Prof. H. Puget, Paris, 2 lectures on "Recent Changes in French Administration" and "The New French Constitution at Work."

RESIGNATIONS. Prof. F. A. Hayek (Econ. Sci. and Statistics), on appt. to a Chair at Univ. of Chicago; Prof. G. Ll. Williams (Public Law), on appt. to Quain Chair of Jurisprudence at Univ. Coll., London; S. H. Beaver (Cassel Reader in Geog.), on appt. to the Chair of Geog. at the Univ. Coll. of N. Staffordshire; Dr. K. L. Little (Lectr. in Anthropol.), on appt. as Hd. of the Dept. of Anthropol., Univ. of Edinburgh; P. A. Reynolds (Lectr. in Internat. Hist.), on appt. to the Wilson Chair of Internat. Politics, Univ. Coll. of Wales, Aberystwyth; Mrs. E. A. Seligman (Pt.-time Asst. Lectr. in Mental Health).

DEATHS. Prof. H. J. Laski, Prof. of Pol. Sci. from 1926 to 1950; G. V. Ormsby, a member of the Court of Governors from 1928 to 1950; Prof. P. B. Whale, a member of the teaching staff of the School from 1926 to 1945 and Reader in Economics (with spec. ref. to Banking and Currency) from 1930 to 1945; H. Withers, an occasional lecturer in Banking, 1910-11 and 1914-19.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	687	2135
Women	135	655
Total	822	2790

Included in the above are 454 postgraduate students and 655 first-year admissions.

DEGREES, ETC. B.A., 19; B.Sc. (Econ.), 255; M.Sc. (Econ.), 24; B.Com., 26; Ph.D., 32; LL.B., 26; LL.M., 3. DIPLOMAS. Anthropol., 2; Pub. Admin., 5. CERTIFICATES. Soc. Sci. and Admin., 67; Soc. Sci. and Admin. (Colonial), 5; Mental Health, 26; Internat. Studies, 3.

QUEEN MARY COLLEGE

Founded 1888

Postal Address : Mile End Road, E.1.

Telephone : Advance 4211.

CHAIRMAN OF THE GOVERNORS—Sir ALBERT STERN, K.B.E., C.M.G., M.A.

PRINCIPAL—Sir THOMAS P. CREED, K.B.E., M.C., K.C., M.A. Oxon.

REGISTRAR—R. P. TONG, O.B.E., M.A. Camb.

DEANS—*Arts*, Prof. W. A. LAIDLAW, M.A., Litt.D. Dub. *Science*, J. F. KIRKALDY, D.Sc. *Engineering*, Prof. N. A. V. PIERCY, D.Sc. (Eng.). Dean for Medical Students, G. E. NEWELL, B.Sc., Ph.D.

LIBRARIAN—A. WHITWORTH, M.A. Leeds.

TEACHING STAFF

Aeronautical Engineering

Piercy, N. A. V., D.Sc. (Eng.),
F.R.Ae.S. Prof.
Whitehead, L. G., B.Sc. (Eng.),
Ph.D. Reader.
McQuillin, L. A., M.A. Oxon.
Asst. Lectr.
Cohen, M. J., B.Sc., B.Sc. (Eng.).

Botany

Haines, F. M., B.Sc., Ph.D., D.Sc.
Prof.
Newby, H. V., B.Sc. (Agric.), B.Sc.
Lectr.
Godward, Maud B. E., M.Sc.,
Ph.D. Lectr.
Wanstall, P. J., B.Sc. Asst. Lectr.
Taylor, F. J., M.Sc. Sheff.
Asst. Lectr.

Chemistry

Dewar, M. J. S., D.Phil. Oxon.
Prof.
Jones, D. C., D.Sc. Wales, Ph.D.
Johns H. Reader.
Hickinbottom, W. J., M.Sc., Ph.D.,
D.Sc. Birm., F.R.I.C.
Reader.

Lecturers

French, Cecilie M., B.Sc., Ph.D.,
F.R.I.C.
Garwood, R. F., B.Sc., Ph.D.
Hudson, R. F., B.Sc., Ph.D.
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.
Crook, M. A., B.Sc. 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., M.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.).
 Bray, J. W., B.Sc. (Eng.), Ph.D.
 Asst. Lectr.

Stephens, R. C., B.Sc. (Eng.)
 Asst. Lectr.

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.

Diamand, W. B., Eng. Dipl.
 Lwow.

Lewis, T. J., B.Sc. (Eng.), Ph.D.
 Henley Res. Fellow in
 Electrical Engin.

English Lang. and Lit.

Isaacs, J., M.A. Oxon. Prof.
 Lecturers

Timmer, B. J., Ph.D. Groningen.

Callan, N. R., M.A. Camb.

Thompson, Marjorie, M.A.

Hammond, Hope, M.A. Camb.

Sisam, Celia, B.A. Oxon.

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., D.Sc. Reader.

Whitten, G. H. T., B.Sc. Lectr.

Stephens, E. A., B.Sc. Sheff.
 Asst. Lectr.

German Lang. and Lit.

Hatto, A. T., M.A. Reader.

Gilbert, Mary E., Ph.D. Berlin
 Lectr.

Rüdenberg, W. Lectr.

History, Modern

Bindoff, S. T., M.A. 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.

Hirsch, K. A., D.Phil. Berl., Ph.D.
 Camb. Reader.

Green, S. L., M.Sc. Lectr.

Soal, S. G., M.A., D.Sc. Lectr.

Allen, H. S., Ph.D., M.Sc. Lectr.

Tropper, A. Mary, M.Sc. Lectr.

Chirgwin, B. H., M.A. Oxon.,
 B.Sc. Lectr.

Plumpton, C., M.A. Camb.

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., Ph.D.

Pryde, J. A., B.Sc., Ph.D.

Dobbs, E. R., B.Sc., Ph.D.

Spanish

Barragán, J. V. Lectr.

<i>Zoology</i>	Chapman, G., M.A. Camb., Ph.D.
Smith, J. E., M.A. Camb., B.Sc.,	Lectr.
Ph.D.	Prof.
Newell, G. E., B.Sc., Ph.D.	Dixey, Leslie R., B.Sc. Asst. Lectr.
Reader.	Carthy, J. D., M.A. Camb., Ph.D.
Forrest, J. E., B.Sc. Edin.	Asst. Lectr.
Lectr.	Santler, Joyce E., B.Sc. Demr.

ADMINISTRATIVE AND OTHER STAFF

Women's Tutor : Helena M. Chew, M.A., Ph.D. Warden of Men's Hostel : B. H. Chirgwin, M.A., B.Sc. Warden of Women's Hostel : Celia Sisam, B.A. Oxon.

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 Elmhurst, High Rd., S. Woodford, London, E.18, and Hall of Residence for women at Lyndenhall, High Rd., S. Woodford, London, E.18 ; 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. In addition College Bursaries value £40 p.a. may be awarded from time to time to students entering their second or later years. All these awards are eligible for supplementation by the Ministry of Education under the University Supplemental Awards Scheme.

LIBRARY. Is modelled on the Reading Room of the British Museum and contains 44,000 volumes.

PUBLICATIONS. *Prospectus* ; *Calendar*, 1s. ; *Annual Report* ; Student Publications : *The Leopardess*, 1s. ; *The Cub*, 3d.

THE YEAR 1949-50

NEW BUILDINGS. The construction of the Cross Block (to provide additional lecture room and laboratory accomm.) was almost completed by the end of the session. Building began on a Particle Accelerator Lab. at mid-summer. The Lab. is to be an extension of the Dept. of Electrical Engin.

NEW POSTS. Title of Univ. Prof. in Aeronautical Engin. conferred on Dr. N. A. V. Piercy, Hd. of Dept. of Aeronautical Engin. Drs. R. K. Eisenschitz and G. O. Jones apptd. to Univ. Readerships in Theoretical and Experimental Phys. respectively. J. H. Mozley, Sr. Lectr. in Dept. of Classics, apptd. Univ. Reader in Latin.

VISITS TO OTHER UNIVERSITIES. Dr. B. Ifor Evans (Principal) gave the Wordsworth Centenary Lecture at Princeton Univ. Prof. G. C. McVittie

(Maths.) gave a course of lectures at the Summer School in Astronomy at Univ. of Michigan.

RETIREMENT. Prof. A. J. Grove (Zool.). On his retirement, the Univ. of London conferred upon him the title of Prof. Emeritus.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	20	687
Women	3	209
Total	23	896

Included in the above are 92 postgraduate students and 350 first-year admissions.

DEGREES. B.A., 66 ; B.Sc., 66 ; B.Sc. (Eng.), 48 ; M.A., 2 ; M.Sc., 7 ; M.Sc. (Eng.), 3 ; Ph.D. (Arts), 1 ; Ph.D. (Sci.), 15 ; Ph.D. (Eng.), 6 ; D.Sc., 1 ; D.Sc. (Eng.), 1.

ROYAL HOLLOWAY COLLEGE *

Founded 1886

Postal Address : 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, M.B.E.

REGISTRAR—E. DOROTHY P. PARGITER, B.A.

LIBRARIAN—FLORENCE R. ELLISON, B.A. Br. Col., F.L.A.

TEACHING STAFF

Botany

Jane, F. W., Ph.D., D.Sc. Prof.

Madge, Margaret A. P., Ph.D.,
B.Sc.Lectr. and Asst. Dir. Bot.
Lab.

Paxton, R. G., B.Sc. Durh.

Lectr.

Bain, Joan, B.Sc. Syd.

Asst. Lectr. & Demr.

Hooper, Sheila S., B.Sc. Leeds

Asst. Lectr. and Demr.

Topping, Mrs. M. Phyllis, B.Sc.,
Ph.D. Visiting Lectr in Biol.

Wooler, Ruth M.

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., B.Sc.
Lectr.

..... Lectr.

Mackay, Mrs. Kathleen, 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.
and Lond. 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. Lectr.

Hyde, Isabel, M.A. Camb.
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.Gruvel, Colette, Ag. de l'U.
Bordeaux (France) Lectr.

* For women.

Browne, Sheila J., B.A. Oxon.
Asst. Lectr.

2 Assistantes.

German

Tymms, R. V., M.A. Oxon. Reader.
Keller, R. E., Dr.Phil. Zür., M.A.
Manc. Lectr.
Jenkins, S. Patricia, M.A. Lectr.
1 Assistentin.

History

Hussey, Joan M., M.A., B.Litt.
Oxon., M.A. Camb., Ph.D.
Prof.
Latham, R. C., M.A. Camb.
Reader.
Powell, Isabel G., M.A. Lectr.
Tomkinson, A., M.A. Oxon.
Lectr.
Hughes, Kathleen W., B.A.
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.
..... Lectr.
Yates, Barbara G., B.A. Dub.
Lectr.

De La Bere, J. C. W., B.A. Camb.
Asst. Lectr.

Hartley, E. Mary, M.A. Camb.
Asst. Lectr.
Hill, Eileen M., B.Sc. Asst. Lectr.

Music

Scourse, Joan C., B.Mus. Lectr.
Legge, B. Pompilia, M.A. Oxon.
Asst. Lectr.
Parker, Jean, F.R.C.O.
Pt.-time Asst.

Physics

Tolansky, S., B.Sc. Durh., Ph.D.
Durh. and Lond., D.Sc. Manc.,
F.R.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.
Silver, Lorna M., M.A., Br. Col.
Asst. Lectr.
..... Asst. Lectr.

Zoology

Thomas, Joan G., B.Sc., Ph.D.
Lectr.
..... Asst. Lectr. & Demr.

ADMINISTRATIVE AND OTHER STAFF

Residence Officer: M. A. Ruth Dickson, M.A. Glas. Principal Private Secretary: Annie A. Divine, B.A.; Senior Asst. to the Secretary: M. Betty de M. Beaumont, B.Sc. Edin.; 4 Assts. Assistant Registrar: Nancy W. McKerrow, B.Sc. Liv.; 3 Assts. 5 Secretarial Assts. to Academic Depts. 2 Librarian Assts.; 1 Asst. Lady Housekeeper: Constance C. Strachan; 2 Assts. Nurse: Marjorie G. Moss.

GENERAL INFORMATION

Opened in 1886. A School of the Univ. in the Faculties of Arts and Sci. Became a Corporate Body, July 1949. Nineteen miles from London.

COURSES for first and higher degrees of the Univ. of London in Arts and Sci.

FEES. Undergraduates £200 a yr. for tuition and residence; lab. fees, 1-2 gs. per yr. for each practical subject. Postgraduates, 10-24 gs.; residence, £150 a yr. Special subjects (Music, Elocution, Art, etc.), $\frac{1}{2}$ -5 gs. a term. Registration, £2. Theoric (covering Union and games subscriptions), £1 : 10s.

STUDENTSHIPS. 6 Driver, 1 Christie, 1 Loney. Studentships open to graduates of the Coll.

LIBRARY. 37,350 books.

LABORATORIES. Bot., Chem., Physics, Zoology. Botanical Garden.

RESIDENCE. Residential accommodation for over 350 students and Staff.

STUDENT HEALTH SERVICE. Students are registered with the College doctor.

FACILITIES FOR ATHLETICS. There are facilities for athletics, cricket, hockey, lacrosse, netball, squash, tennis and swimming. Area, 95 acres.

PUBLICATIONS. *Calendar* (Oct.); *Prospectus* (July); *College Letter* (Old Students' Assn.) (Dec.); *Erinna*, 1s. 6d. (Student Magazine) (April).

THE YEAR 1949-50

NEW BUILDINGS. A property on Egham Hill, in the grounds of which the Univ. Botanical Unit is being established, provided immediate accomm. for 1 member of Staff and 4 postgraduate students of the Coll. An additional temp. bldg. for Chem. is being built.

NEW POSTS. Asst. Lectureships in Classics and German. 5 Secretarial Assts. to academic depts.

RETIREMENT. Prof. Margaret Deanesly (Prof. of Hist.), on whom the title of Emeritus Prof. was conferred by the Univ.

RESIGNATIONS. Rev. J. S. Whale (Representative Member of Council); Dr. J. W. E. Brading (Chem.), on award of I.C.I. Fellowship at Edin. Univ.; Mlle A. Faral (French); Dr. M. J. Bauer (German); Miss J. S. Cushen (Maths.), on appt. as Asst. Tutor and Lectr. at Girton Coll., Camb.; Miss A. M. Glauert (Phys.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	11
Women	25	329
Total	27	340

Included in the above are 36 postgraduate students and 103 first-year admissions.

DEGREES. B.A., 65; B.Sc., 44; M.Sc., 1; Ph.D., 5.

ROYAL VETERINARY COLLEGE AND HOSPITAL

Admitted as a School of London University in the Faculty of
Medicine, Oct. 1, 1949

Founded 1791

Postal Address : Royal College Street, N.W.1.

Telegrams : "Veterinosis" London.

Telephone : Euston 5321.

CHAIRMAN OF THE EXECUTIVE COUNCIL—Professor Sir CHARLES 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., F.C.I.S.

TEACHING STAFF

Anatomy

McCunn, J.	Prof.
Dyce, K. M., B.Sc. Edin.	Lectr.
Wadsworth, F., B.Sc.	
	Asst. Lectr.
Jones, O. G.	Asst. Lectr.

Animal Husbandry and Veterin- ary Hygiene

Scorgie, N. J., M.A., B.Sc. Aberd.	Prof.
Abrams, J. T., M.Sc., Ph.D.	
	Lectr.
Willis, G. A., B.V.Sc. Liv.	Lectr.
Offord, E. C.	Asst. Lectr.
Tanner, S. C.	Asst. Lectr.

Bacteriology

Lovell, R., D.Sc., D.V.S.M. Manc., Ph.D.	Reader.
Smith, J. E., B.Sc.	Asst. Lectr.
Hayward, A. H.	Asst. Lectr.

Biochemistry

Marchant, R. H., B.Sc.	Lectr.
Brunditt, Eileen, B.Sc. Reading	
	Asst. Lectr.

Biology

Jackson, J. H., M.A., B.Sc. Aberd.	
	Reader.
Nisbet, R. H., B.Sc.	Lectr.
Marsden, Margery P. F., B.Sc.	
	Asst. Lectr.

Chemistry

Clarke, E. G. C., M.A. Oxon., Ph.D. Reading	Lectr.
Kefford, G. W., B.Sc.	Asst. Lectr.
Treharne - Williams, Margaret, M.A. Camb.	Asst. Lectr.
Watts, C. R., B.Sc.	Asst. Lectr.

Histology and Embryology

Murray, C. B., Ph.D., B.Sc.	Lectr.
Marrable, A. W., B.Sc.	
	Asst. Lectr.
Gan, J. K., D.Sc. Paris	
	Asst. Lectr.

Jurisprudence

Lishman, T.	Lectr.
-------------	--------

Medicine, Veterinary

Burrow, H., D.V.S.M., F.R.San.I.	
	Prof.

Allen, H. R.	Reader.	<i>Pharmacology</i>	
Holmes, J. W. H., D.V.S.M.		Rosenberg, H., M.D. Berl., Ph.D.	
	Reader.		Reader.
Daykin, P. W., B.Sc.	Lectr.	<i>Physiology</i>	
Greatorex, J. C., F.R.San.I.		Amoroso, E. C., B.Sc., M.B., B.Ch.,	
	Lectr.	B.A.O. N.U.I., Ph.D.	Prof.
Lewis, E. F.	Lectr.	Bell, F. R., B.Sc. Durh., Ph.D.	
Jack, E. J.	Asst Lectr.		Lectr.
		Bainbridge, J. G., B.Sc.	
<i>Parasitology</i>			Asst. Lectr.
Oldham, J. N., B.Sc., Ph.D. Edin.		Lawn, A. M.	Asst. Lectr.
	Reader.	<i>Surgery, Veterinary</i>	
Sinclair, K. B., B.V.Sc. Liv.		Formston, C., F.R.C.V.S.	Prof.
	Asst. Lectr.	Arthur, G. H., M.V.Sc. Liv.	
James, Phyllis M., B.Sc. Wales			Reader.
	Asst. Lectr.	Knight, G. C., F.R.C.V.S.	Reader.
<i>Pathology, Veterinary</i>		Douglas, S. W.	Lectr.
Bosworth, T. J., M.A. Camb.,		Roberts, E. J.	Lectr.
B.Sc., D.V.S.M.	Prof.	Hart, C. B., B.Sc.	Asst. Lectr.
Cotchin, E.	Reader.	Yeats, J. J.	Asst. Lectr.
Ingram, P. L., B.Sc.	Lectr.	Vaughan, L. C.	Asst. Lectr.
Brown, F. G., B.A. Camb.		Johnson, Audrey I.	
	Asst. Lectr.		House Surgeon.
Pay, T. W. F., B.Sc.	Asst. Lectr.	Weaver, Barbara M. Q.	
			House Surgeon.

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 1949-50

STUDENTS. Total: 411. Men, 381; women, 30.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

Postal Address : University of London, W.C.1.*Telegrams and Cables* : 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 RALPH 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. Ban.,
Ph.D. Lectr.

Clark, T. W., O.B.E., M.A. Lectr.

*Gujarati*Dave, T. N., M.A., B.T. Bom.,
Ph.D. Lectr.*Hindi*Kulshreshtha, P. N., M.A., D.Phil.
Alld. Lectr.*Hindustani*

Judd, Capt. A. R. Temp. Lectr.

*Indian Archæology*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.*Indian Philosophy*Friedman, D., D.Litt. Leiden
Lectr.*Indo-Aryan*

Williams, R. H. B., B.A. Lectr.

*Marathi*Lambert, Hester M., M.A. Camb.
(The Maharajah Gaekwad's
Lectr.) Sr. Lectr.*Napali*Burton-Page, J., B.A. Oxon.
Temp. 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 Ralph, 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. Ban.,
Ph.D. Lectr.

Gray, J. E. B., B.A. Dub Lectr.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES 253

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

Bilgrami, H. H., M.A., D.Phil.
Alld. Lectr.

Russell, R., M.A. Camb., B.A.
Lectr.

Department of South-East Asia and the Islands

Burmese

Pe, Hla, M.A. Rang., Ph.D. Lectr.

Searle, H. F., B.A. Oxon.
Temp. 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.

Old Javanese

Hooykaas, C., D.Litt. Leiden
Temp. 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, Mrs. Grace S., B.A. Nan-
yang Lectr

Chinnery, J. D., B.A. Lectr.

Graham, A. C., B.A. Oxon., B.A.
Lectr.

Locke, Marjorie A., B.A. Lectr.

Pulleyblank, E. G., B.A. Alta.
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, Mrs. Katherine P. K.,
B.A. Hong Kong, M.A. Oxon.
Lectr.

Waley, A. D., M.A. Camb., LL.D.
Aberd., F.B.A. (C. Poetry)
Hon. Lectr.

Downer, G. B., B.A. Asst. Lectr.

Chinese Philosophy

Lau, D. C., B.A. Hong Kong, M.A.
Glas.

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.

Korean

Zong in Sob, M.A. 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.

Azzam, M. A., M.A. Cairo Lectr.

Cowan, D., M.A. Lectr.

Fakhry, M., M.A. Beirut, Ph.D. Edin.
Lectr.

Hopkins, J. F. P., B.A. Camb.
Lectr.

Tayib, A. El., Ph.D. Lectr.

Armenian

Topalian, S. Sr. Lectr.

Central Asian Studies

Henning, W. B., Dr.Phil. Gott.
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.
Lectr.

Islamic Art and Archæology

Rice, D. S., D. de l'Univ. Paris
Reader.

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.

Savory, R. M., B.A. Oxon.
Lectr.

Turkish

Wittek, P. A., Dr.Phil. Vienna
Prof.

Mundy, C. S., B.A. Sr. Lectr.
Topalian, S. Sr. Lectr.
Iz, F. Lectr.

Department of Africa*African Languages, Central*

Richardson, I., B.A. Leeds
Lectr.

African Languages, East

Tucker, A. N., M.A. Cape T., Ph.D., D.Lit. Prof.

African Languages, West

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.) Prof.

Atkins, W. G., M.A. Oxon., D.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.

Swahili

Hollingsworth, L. W., M.B.E., B.A., Ph.D. Sr. Lectr.
Harries, Rev. L. P., M.A. Oxon. Lectr.

Department of Phonetics and Linguistics*Linguistics*

Firth, J. R., O.B.E., M.A. Leeds (General Linguistics) Prof.

Allen, W. S., M.A., Ph.D. Camb. (Comparative L.) Lectr.

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.
Carnochan, J., B.A. Lectr.
Jones, W. E., M.A. Leeds Lectr.
Sharp, A. E., M.A. Camb. Lectr.
Sprigg, R. K., M.A. Camb. Lectr.
Waterson, Mrs. Natalie, B.A.
Lectr.

Department of History

History of India and Further 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.
Bowen, H. C. Reader.
Maitland-Muller, D. G., B.A.
Lectr.
Parry, V. J., B.A. Oxon. and Wales
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

Boxer, C. R. Prof.
Beasley, W. G., B.A., Ph.D.
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,
Ph.D. Lectr.

Department of Law

Law

Anderson, J. N. D., O.B.E., M.A.,
LL.B. Camb. (Oriental L.)
Reader.
Allott, A. N., B.A. Oxon. (African
Law) Lectr.
Derrett, J. D. M., M.A. Oxon.,
Ph.D. (Hindu L.) Lectr.
Gledhill, A., M.A. Camb. (Indian
and Burmese L.) Lectr.
Kader, Shaikh Abdel, Dr.Phil.
Berl., Ph.D. (Islamic L.)
Pt.-time Lectr.
Bartholomew, G. W., B.Sc., LL.B.
Asst. Lectr.

Department of Cultural Anthropology

Asian Anthropology

Fürer-Haimendorf, C. von, D.Phil.
Vienna Prof.

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 AND OTHER STAFF

Asst. Sec. : J. R. Bracken, M.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. : I. 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. 120,000 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.

SCHOLARSHIPS, ETC. Forlong Scholarships, value £150, and Forlong Exhibitions, value £50, are awarded as funds become available.

PUBLICATIONS. *Calendar* (free) ; *Annual Report* (free) ; *Bulletin* (30s. per part) ; *The Oriental Year*.

THE YEAR 1949-50

BENEFACTIONS. *Commonwealth Govts.* : India, General Funds, £1000, Nizam's Readership in Urdu, £250, Lectureship in Marathi, £254 : 10 : 3 ; Pakistan, £197 ; Ceylon, £500. *Colonial Govts.* : Nigeria, £500 ; Uganda, £500 ; Tanganyika, £500 ; Gold Coast, £500 ; Kenya, £200 ; Sierra Leone, £200 ; Northern Rhodesia, £100 ; Nyasaland, £50 ; Gambia, £50 ; Zanzibar, £50 ; Sarawak, £50 ; Hong Kong, £350 ; Malaya, £1460 (4 yrs.) ; Singapore, £630 (3 yrs.). *Other Contributors* : Govt. of Sudan, £400 ; Anglo-Iranian Oil Co., Ltd., £2000 ; Iraq Petroleum Co., Ltd., £2000 ; Consolidated Petroleum Co., Ltd., £1500 ; Shell Petroleum Co., Ltd., £525 (2 yrs.) ; Anglo-Egyptian Oilfields, Ltd., £262 : 10s. ; The Nathan and Adolphe Haendler Charity, £400 ; China Association's School of Practical Chinese, £250 ; King's Coll. Chinese Professorship, £80 : 0 : 7 ; National Bank of India, Ltd., £50 ; Barclays Bank (Dominion, Colonial and Overseas), £50 ; Ottoman Bank, £21 ; United Africa Co., Ltd., £50 ; W. A. Browne & Co., £2 : 2s. ; Sir Montague Burton, £25 ; O. Philipp, Esq., £5 ; J. A. de Rothschild, Esq., £25 ; The Humanitarian Trust, £75. *The Percival David Foundation of Chinese Art.* During the session negotiations were completed for the transfer to the Univ. of the unique collection of Chinese Ceramics and the associated library built up over a long period of years by Sir Percival David. This most generous gift, among the most important ever made to the Univ. of London, is to be constituted as The Percival David Foundation of Chinese Art and, in accordance with the terms of the deed of gift, will be associated with the School of Oriental and African Studies. Its administration will be the ultimate responsibility of the Governing Body of the School, to which Sir Percival David has been co-opted

as a member. It is intended that the Hd. of the Foundation shall normally be the holder of the Chair of Chinese Art and Archæol. in the Univ. This Chair, at present vacant, has therefore been transferred to the School by the Senate with the concurrence of the authorities of the Courtauld Institute to which it has hitherto been attached.

NEW BUILDINGS. The School has acquired from the Univ. a lease of 53 Gordon Sq., which will be the temp. home of the Percival David Foundation of Chinese Art. Extensive adaptations and renovations to these premises have been started and it is hoped that the Foundation will be opened during the summer of 1951.

NEW DEPARTMENT. *See supra.* The Percival David Foundation of Chinese Art.

NEW POSTS. The Senate of the Univ. established a Readership in Islamic Art and Archæol. and apptd. to it Dr. D. S. Rice. The Senate also established a Readership in Phonetics. In addition the Governing Body of the School has apptd. 20 new Lectrs. and 8 new Assts.

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. In session 1949-50, 9 such courses were arranged, to which 14 different firms sent representatives. The langs. concerned were: Arabic, Japanese, Persian, Telugu, Urdu and Hindi.

COLONIAL SERVICE COURSES. 127 Colonial Administrative Service Probationers and 19 wives completed a course of lang. training at the School. They studied in the following 4 depts.: S.E. Asia and the Islands, Far East, Africa, and Phonetics and Linguistics. Courses for officers of the service home on leave were also held and 17 officers and 2 wives chose lang. or Oriental Laws as one of their subjects. In addition 11 Admin. Officers and 3 wives or fiancées attended courses of instruction varying from a few weeks to 2 terms in length.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. A. E. Affifi, Univ. of Alexandria, a leading authority on Muslim Philos., and Prof. R. R. Arat, Prof. of Turkish Linguistics, Univ. of Istanbul, accepted invitations to become Visiting Lectrs. at the School for the session 1949-50.

VISITS BY MEMBERS OF THE STAFF TO OTHER UNIVERSITIES. J. Berry visited the Univ. Coll. of the Gold Coast and assisted in the establishment of a Languages Dept. of the School in that Coll. Prof. E. D. Edwards visited the Univ. of Hong Kong. In addition, 24 other members of the staff were granted study leave for periods of up to a whole session to visit other countries for the purposes of res. work.

RETIREMENTS. A. Master (Sr. Lectr. in Indian Philol.). The following Overseas Lecturers relinquished their appointments on the expiry of their term of office: M. G. Abdel All (Arabic); Dr. M. B. Ariyapala (Sinhalese); Dr. S. Khulusy (Arabic); G. L. Letele (Sotho-Tswana); A. Minai (Persian); and Che Zainal Abidin (Malay).

RESIGNATIONS. Rev. H. Cikuse (Overseas Lectr. in Nyanja); Mrs. H. M. Wright (Lectr. in Chinese).

DEATH. Professor J. K. Rideout (a member of the staff from 1942 to 1948, Prof. of Oriental Studies, Univ. of Sydney from 1948 to 1949, and Prof. of Chinese at Hong Kong Univ., 1949).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	397	187
Women	103	36
Total	500	223

DEGREES. B.A., 35 ; M.A., 1 ; Ph.D., 13.

SCHOOL OF PHARMACY

Founded 1842

Postal Address: 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., Dip. Bact., F.R.I.C.

SECRETARY—S. R. CURTIS, B.A.

APPOINTED AND RECOGNIZED TEACHERS

<i>Pharmaceutical Chemistry</i>	<i>Pharmacology</i>
Linnell, W. H., M.Sc., Ph.D. Durh., D.Sc., F.R.I.C. Prof.	Buttle, G. A. H., O.B.E., M.A. Camb. Prof.
<i>Pharmaceutics</i>	Coward, Katharine H., M.Sc., Hon. D.Sc. Manc., D.Sc. (Biochem.) Reader.
Berry, H., B.Sc., Dip. Bact., F.R.I.C. Prof.	
<i>Pharmacognosy</i> [Sr. Lectr.	Dyer, F. J., B.Sc., Ph.D.
Fairbairn, J. W., 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.

As from the 1949-50 session, all undergraduate entrants to the School work 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 1949-50

STUDENTS. Total: 100; full-time: 88 (61 men, 27 women); pt.-time: 12 (10 men, 2 women). Included in the above are 29 postgraduate students and 32 first-year admissions.

DEGREES, ETC. B.Pharm. (New Regns.), 6; B.Pharm. (Old Regns.), 5; Ph.D., 8; Ph.C., 3.

UNIVERSITY COLLEGE

Founded 1826

(Incorporated in the University of London, 1907)

Postal Address : Gower St., W.C.1.*Telegrams and Cables* : 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—B. IFOR EVANS, M.A., D.Lit.

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.

Abercrombie, M., M.A., B.Sc.

Oxon. (Embryol.) Reader.

Richardson, K. C., M.Sc. W.Aust.

(Histol.) Reader.

Aitken, J. T., M.D. 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.

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.

Sholl, D. A., B.Sc. Lectr.

Assistant Lecturers

Hamlyn, L. H., M.B., B.S.

James, D. W., M.B., B.S.

Morgan, M. Ruth, Ph.D.

Morris, D. D. B., M.B., B.S.

Murray, J. G., M.B., Ch.B. Aberd.,
F.R.C.S.

Shawe, G. D. H., M.B., B.S.

Johnson, Minnie L., B.Sc., Ph.D.
Birm. Hon. Res. Assoc.Blockley, Cecillie M. B., B.A. Tor.
Hon. Res. Asst.Boycott, B. B., B.Sc.
Hon. Res. Asst.Butson, A. R. C., Albert Medal,
M.A., M.B., B.Ch. Camb.

Hon. Res. Asst.

Heaysman, Joan E. M., B.Sc.

Hon. Res. Asst.

Jungmann, H., M.D. Berlin
Hon. Res. Asst.Roberts, F., M.Sc. Harv.
Hon. Res. Asst.Vizoso, A. D., B.Sc. Oxon.
Hon. Res. Asst.Palmer, Elisabeth, Ph.D. Vienna
Bibliographer and Res.
Asst.

Venning, P. Radiographer.

Turlington, E. Rosalind Artist.

Blount, W. P., Ph.D., F.R.C.V.S.
Hon. Vet. Consultant in
Fac. of Med. Sciences.

Anthropology

Forde, C. D., Ph.D. Prof.
Kaberry, Phyllis M., M.A. Syd.,
Ph.D. Reader.
Barnicot, N. A., Ph.D. Lectr.
Radcliffe-Brown, Prof. A. R.,
M.A. Camb. Sp. Lectr.
Ladell, W. S. S., B.A., M.B., B.Ch.
Camb. Hon. Lectr.
Brown, Paula S., M.A. Chic., Ph.D.
Asst. Lectr.
Arikpo, D. O., B.Sc. Res. Asst.
Baker, Tanya M., B.A. Res. Asst.

Archæology

Robertson, C. M., M.A. Camb.
(Classical Art and Archæol.)
Yates Prof.

Architecture (Bartlett School)

Corfiato, H. O., F.S.A., F.R.I.B.A.
Prof.

Wilson, H. Warren
Sr. Lectr. and Dir. of Div.
of Decoration.

Stanley, L. Stuart, M.A. Camb.,
F.R.I.B.A.

Sr. Lectr. and Tutor.
Ritchie, T., F.R.I.B.A. (Building
Construction) Sr. Lectr.

Hyde, S., F.R.I.B.A. Sr. Lectr.

White-Cooper, R. C., M.C., B.A.,
F.R.I.B.A. Sr. Lectr.

Aberdeen, D. W., B.A. (Arch.),
F.R.I.B.A. Lectr.

Foyle, A. M., B.A. (Arch.) Lectr.

Plant, C. G. H. Lectr.

Smeed, C. W. J. Lectr.

Thomson, S. L., F.R.I.B.A. Lectr.

Richardson, E. G., B.A., D.Sc.,
Ph.D. (Acoustics) Hon. Lectr.

1 Assistant.

Art (Slade School of Fine Art)

Coldstream, W. M.
Slade Prof. and Hd. of
Slade School.

Gerrard, A. H. (Sculpture) Prof.
Wittkower, R., Ph.D. Berlin
(Hist. of Art) Durning-
Lawrence Prof.

23 Assts.

Astronomy

Allen, C. W., D.Sc. W.Aust.
Perren Prof.

Bibliography, v. English and
Librarianship

Biochemistry

Baldwin, E. H. F., 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.

Crook, E. M., M.Sc. Melb., Ph.D.
Camb. Lectr.

Datta, S. P., B.Sc., M.B., B.S.
Lectr.

Greenbaum, A. L., Ph.D. Lectr.

Harris, H., M.A., M.D. Camb.
Lectr.

Law, Kathleen, M.Sc. Melb.
Lectr.

Andy, Geneviève M., Ph.D.
Asst. Lectr.

Ottaway, J. H., B.Sc. Asst. Lectr.
Albert, Prof. A., D.Sc., Ph.D.
Hon. Lectr.

Gray, Prof. C. H., M.Sc., M.B.,
B.S. Hon. Lectr.

Simpson, Mavis M., B.Sc.
Temp. Res. Asst.

2 Demrs.

Biophysics, v. Physiology

Botany

Pearsall, W. H., D.Sc. Manc.,
F.R.S. Quain Prof.

Bell, P. R., B.A. Camb. Lectr.
Fogg, G. E., Ph.D. Camb. B.Sc.

Lectr.
Fowden, L., Ph.D. Lectr.

Gorham, E., M.Sc. Dal. Lectr.

Harrison, J. H., M.Sc. Durh.,
Ph.D. Belf. Lectr.

Syrett, P. J., B.A. Camb. Lectr.
 Tristram, H., B.Sc. Sheff. Lectr.
 White, D. J. B., B.Sc. Lectr.
 Chamberlain, P. J., B.Sc.

Asst. Lectr.

Gorham, Ada V., B.Sc. Dal.

Res. Asst.

Collyer, Dorothy M., B.Sc.

Hon. Res. Asst.

† Quain Student.

Chemical Engineering, v. Engineering

Chemistry

Ingold, C. K., D.Sc., F.R.S.

Prof. and Dir. of Labs.

..... 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.

Gilbert, L. F., B.Sc., F.R.I.C.

Sr. Lectr.

Bunton, C. A., Ph.D. Lectr.

Craig, D. P., M.Sc. Syd., Ph.D.

Lectr.

Day, J. N. E., M.Sc., Ph.D. Lectr.

de la Mare, P. B. D., M.Sc. N.Z.,

Ph.D. Lectr.

Gillespie, R. J., Ph.D. Lectr.

Maccoll, A., M.Sc. Syd., Ph.D.

Lectr.

Millen, D. J., Ph.D. Lectr.

Nyholm, R. S., M.Sc. Syd., Ph.D.

Lectr.

Vernon, C. A., B.Sc. Lectr.

Wassermann, A., D.Sc., Ph.D.

Munich Lectr.

Charlton, J. C., Ph.D. Wales

Temp. Asst. Lectr.

Smith, J. F., B.Sc. Wales

Temp. Asst. Lectr.

Owston, P. G., Ph.D.

Hon. Res. Asst.

Civil and Municipal Engineering,
 v. Engineering

Classics

Skutsch, O., Ph.D. Gött. (Latin)

Prof.

Webster, T. B. L., M.A. Oxon.,

F.S.A. (Greek) Prof.

Turner, E. G., M.A. Oxon.

(Papyrology) Prof.

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.

..... (Latin and Gk.) Asst.

Lectr.

Willis, J. A., B.A.

(Latin and Gk.) Asst.

Lectr.

† Asst.

Danish, v. Scandinavian

Dutch History and Institutions,
 v. History

Economics, v. Polit. Econ.

Egyptology and Coptic

Emery, W. B., M.B.E., M.A. Liv.

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

Donald, M. B., M.Sc. M.I.T.,
F.R.I.C.

Ramsay Memorial Prof.

Mullen, J. P., M.Eng. Liv.
Sr. Lectr.

Calderbank, P. H., Ph.D. 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.

Engineering, Civil and Municipal

Collins, H. J., M.C., M.Sc. (Eng.)
Birm.

Chadwick Prof. and Dir.
of Civil and Mun. Eng.
Labs.

Thompson, E. H., O.B.E., B.A.
Camb.

(Surveying and Photo-
grammetry) Prof.

Jessop, H. T., T.D., M.Sc.
(Photoelasticity) Reader.

Capper, P. L., T.D., M.Sc. (Eng.)
Sr. Lectr.

Vaughan, R. C., B.Sc. Brist.
Sr. Lectr.

Delafield, Prof. M. E., M.C., B.A.,
M.B., B.Chir., D.P.H. Camb.
(Hygiene) Sp. Lectr.

Biddle, C. A., M.A. Camb.,
F.R.I.C.S. Lectr.

Davis, E. H., B.Sc. (Eng.) Lectr.

Elvery, R. H., B.Sc. (Eng.)
Lectr.

Miskin, E. A., M.A. Oxon., B.Sc.
Sheff., Ph.D. Lectr.

Oakley, H. R., M.Sc. (Eng.)
Lectr.

Smith, T. Brian
Andren, C. P., M.Sc. (Eng.)
Res. Asst.

Snell, C., M.Sc. Res. Asst.

Coackley, P., B.Sc. Manc.
Hon. Res. Asst.

Dudarewicz, C., Dipl. Ing. Warsaw
Hon. Res. Asst.

3 Demrs.

Engineering, Electrical

Barlow, H. E. M., B.Sc. Eng.,
Ph.D.

Pender Prof. and Dir. of
Labs.

Brailsford, F., B.Sc. (Eng.), Ph.D.
Prof.

Bayliss, C. W., M.A. Camb. (Elec-
trical Machinery) Sr. Lectr.

Brookes, B. C., M.A. Oxon.
(Presentation of Tech.
Informn.) Lectr.

Cullen, A. L., B.Sc. (Eng.), Ph.D.
Lectr.

Marriott, H., B.Eng. Sheff., B.Sc.
(Econ.) Lectr.

Parr, G. 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.

Billett, H., B.Sc. (Eng.) Birm.
Lectr.

Jackson, K. L., M.Sc. (Eng.)
Lectr.

Ross, J. G., B.Sc. (Eng.), D.I.C.
Lectr.

Walker, T. H., M.Eng. Sheff.
Lectr.

English

Sutherland, J. R., M.A. Aberd.,
B.Litt. Oxon.

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., LL.D. Edin.,
F.B.A. (Bibliogr.) Hon. Lectr.

Husbands, H. Winifred, M.A.
Sr. Lectr.

Lecturers

Brown, A., M.A.

Haddakin, Lilian F., M.A., Ph.D.

Wilkinson, Elizabeth M., Ph.D.
Reader.

Maurer, K. W., Ph.D. Tübingen
Sr. Lectr.

Schwarz, W., M.A., Ph.D. Lectr.

Salmon, P. B., M.A. Asst. Lectr.

Wells, G. A., B.A. Asst. Lectr.

Hebrew, v. also Semitic Epi-
graphy

Stein, S., Ph.D. Heid.

Goldsmid Sr. Lectr.

Wiesenberg, E., Ph.D. Lectr.
r Asst.

History

Neale, J. E., M.A. Liv. and Manc.,
D.Litt. Wales, F.B.A.

(English H.) Astor Prof.
and Hd. of Dept.

Bellot, H. Hale, M.A. Oxon.

(Amer. H.) Common-
wealth Fund Prof.

Humphreys, R. A., O.B.E., M.A.,
Ph.D. Camb.

(Latin Amer. H.) Prof.

Momigliano, A., D.Litt. Turin

(Ancient H.) Prof.

Renier, G. J., Phil.Lit. Cand.,
Ghent, Ph.D.

(Dutch H. and Institns.)
Prof.

Cobban, A. B. C., M.A., Ph.D.
Camb.

(Mod. French H.) Reader.

Reddaway, T. F., M.A. Camb.,
(London H.) Reader.

Davis, R. H. C., M.A. Oxon.

(English H.) Lectr.

Drower, Margaret S., M.B.E., B.A.
(Ancient H.) Lectr.

Morris, J. R., B.A. Oxon.

(Ancient H.) Lectr.

Taylor, A. J., M.A. Manc.

(English H.) Lectr.

Barrow, G. W. S., M.A., St.
And. (English H.) Asst. Lectr.

Beevers, R. H., M.A.

(Amer. H.) Asst. Lectr.

Christie, I. R., M.A. Oxon.

(English H.) Asst. Lectr.

Miller, Helen J., M.A.

(English H.) Res. Asst.

Italian

Weiss, R., B.A. Oxon. Prof.

Bassani, A. M., Sc.D. Naples Lectr.

Duncan, D. S., 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., 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. Tü-
bingen, 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.

Ivamy, E. R. H., LL.B. (English
L.) Lectr.

Marshall, O. R., M.A. Camb.,
Ph.D. (English L.) Lectr.

Cheng, B., Ph.D. (Internat. L.)

Asst. Lectr.

Holland, D. C., M.A. Camb.
(English L.) Asst. Lectr.

Payne, D. J., LL.B. Asst. Lectr.

Scamell, E. H., LL.M. (English L.)
Asst. Lectr.

Strange, Susan, B.Sc. (Econ.)
(Internat. Relations)

Asst. Lectr.

Librarianship

Irwin, R., M.A. Oxon., F.L.A.

Director.

Wilks, J. A., M.A., F.L.A.

Asst. Dir.

Lecturers

Piggott, Mary, B.A., F.L.A.
 Staveley, R., B.A., F.L.A.
 Evans, D. L., O.B.E., B.A. Wales,
 B.Litt. Oxon. (Admin. Hist.).
 Francis, F. C., M.A. Liv., F.S.A.
 (Bibliography).
 Hector, L. C., M.A. Oxon.
 (Palæography).
 Pafford, J. H. P., M.A., F.L.A.
 (Univ. Libraries).
 † Demr.

Mathematics

Davenport, H., M.A. Manc., Sc.D.
 Camb., F.R.S.
 Astor Prof. and Hd. of
 Dept.
 Goldsmid Prof.
 Wren, T. L., M.A. Camb.
 (Geom.) Reader.
 Bosanquet, L. S., M.A., D.Sc.,
 D.Phil. Oxon. Reader.
 Estermann, T., D.Nat.Sc. Ham-
 burg, D.Sc. Reader.
 Kestelman, H., M.Sc. Reader.
 Stevenson, A. C., M.Sc. Reader.
 Archbold, J. W., M.A. Camb.
 Lectr.
 Capildeo, R., M.Sc., Ph.D. Lectr.
 Harris, F. C., M.Sc., Ph.D. Lectr.
 Rigby, Constance M., M.A. Oxon.,
 Ph.D. Lectr.
 Rogers, C. A., Ph.D. Lectr.
 Wigglesworth, L. A., M.Sc. Lectr.
 Holland, R. E., B.Sc. Wales
 Asst. Lectr.
 Richardson, T. H., M.Sc., D.I.C.
 Asst. Lectr.
 Roth, K. F., B.A. Camb., M.Sc.,
 Ph.D. Asst. Lectr.
 † Demr.

Mechanical Engineering, v. En-
 gineering

Municipal Engineering, v. En-
 gineering

Norwegian, v. Scandinavian

Pharmacology

Winton, F. R., M.A., M.D. Camb.,
 D.Sc. Prof.
 Schild, H. O., M.D. Munich, Ph.D.
 Edin., D.Sc. Reader.
 Dicker, S. E., M.D. Brussels,
 Ph.D., D.Sc. Brist. Lectr.
 Kennard, D. W., M.B., B.S.
 Asst. Lectr.
 Mongar, J. L., B.Sc. Asst. Lectr.
 Bergel, F., D.Phil.Nat. Freiburg,
 Ph.D., D.Sc., F.R.I.C. (Phar-
 macol. Chem.) Hon. Lectr.
 Danielli, Prof. J. F., Ph.D. Camb.
 and Lond., D.Sc. (Cell P.)
 Hon. Lectr.
 Feldberg, W. S., M.A. Camb., M.D.
 Berl., F.R.S. Hon. Lectr.
 Trevan, J. W., B.Sc., M.B., B.S.,
 F.R.C.P., F.R.S. Hon. Lectr.
 Work, T. S., Ph.D.
 (Chemotherapy) Hon.
 Lectr.
 Steinberg, Hannah R., B.A.
 Hon. Res. Asst.

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.
 Wollheim, R. A., M.A. Oxon.
 Asst. Lectr.
 † Asst.

Phonetics

Fry, D. B., Ph.D.
 (Exper. P.) Reader and
 Head of Dept.
 Coustenoble, Hélène, D.Lit.
 Reader.

Arnold, G. F., B.A. Lectr.
 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.
 Tooley, Olive M., B.A. Lectr.
 Trim, J. L. M., B.A. Asst. 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., F.I.P.
 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.

Buckingham, R. A., Ph.D. Camb.
 Reader.

Burhop, E. H. S., B.A., M.Sc.
 Melb., Ph.D. Camb. 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., Ph.D. Lectr.

Castillejo, L., B.A. Camb., B.Sc.
 (Eng.) Asst. Lectr.

Griffith, T. C., Ph.D. Wales
 Asst. Lectr.

Henderson, C., Ph.D. Asst. Lectr.

Heymann, F. F., B.Sc. (Eng.)
 Cape T. Asst. Lectr.

Seaton, M. J., B.Sc. Asst. Lectr.

Boyd, R. L. F., B.Sc.(Eng.), Ph.D.
 Hon. Res. Asst.

Hasted, J. B., M.A., D.Phil. Oxon.
 Hon. Res. Asst.

1 Asst.

Physiology

Brown, G. L., C.B.E., M.Sc., M.B.,
 Ch.B. Manc., F.R.S. (Phy-
 siol.) Jodrell Prof.

Schweitzer, A., M.D. Cologne,
 Ph.D., D.Sc.

(Exper. P.) Reader.
 Eggleton, M. Grace, D.Sc.

Sr. Lectr.
 Harkness, R. D., B.Sc., M.B., B.S.

Lectr.
 Daly, M. de B., M.A., M.B., B.Ch.
 Camb. Lectr.

Wilkie, D. R., M.D. Yale, M.B.,
 B.S. Lectr.

Lewis, H. E., B.Sc., M.B., Ch.B.
 Cape T. Asst. Lectr.

Lippold, O. C. J., M.B., B.S.
 Asst. Lectr.

Pascoe, J. E., B.Sc. Asst. Lectr.

Ritchie, J. M., B.Sc. Asst. Lectr.

del Castillo-Nicolau, J., M.D.
 Madrid Temp. Asst. Lectr.

Hon. Research Associates

Bayliss, L. E., B.A., Ph.D. Camb.

Davson, H., D.Sc.

Duke-Elder, Sir Stewart, K.C.V.O.,
 M.D. St. And., M.A., D.Sc.,
 Ph.D., F.R.C.S.

Bigland, Brenda R., B.Sc.
 Hon. Res. Asst.

Goffart, M., M.D. Brussels

Hon. Res. Asst.

Wright, P. G., B.Sc.

Hon. Res. Asst.

1 Sharpey Scholar.

Biophysics Research Unit

Katz, B., M.D. Leipzig, Ph.D.,
 D.Sc. Prof.

Abbott, B. C., B.Sc.

Hon. Res. Asst.

Caldwell, P. C., B.A. Oxon.

Hon. Res. Asst.

Downing, A. C. Hon. Res. Asst.

Harris, E. J., Ph.D., D.I.C.

Hon. Res. Asst.

Parkinson, J. L.

Hon. Res. Asst. and

Faculty Supt.

Political Economy

- Allen, G. C., M.Com., Ph.D. Birm.
Prof.
Bowley, Marian E. A., B.Sc.
(Econ.), Ph.D. Reader.
Tout, H., C.M.G., M.A. Oxon.
Reader.
Stonier, A. W., M.A. Oxon., D.Phil.
Heid. Sr. Lectr.
Corlett, W. J., M.A. Camb. Lectr.
Hague, D. C., B.Com. Birm.
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.

Psychology

- Russell, R. W., M.A. Clark,
Ph.D. Va. Prof.
Whitfield, J. W., M.A. Camb.
Reader.
Flugel, J. C., B.A. Oxon., D.Sc.
Sp. Lectr.
Philpott, S. J. F., M.C., D.Sc.
Sr. Lectr.
Banks, E. K. Charlotte, Ph.D.
Lectr.
de Monchaux, Cecily, B.A. Syd.
Lectr.
Eysenck, H. J., Ph.D. Lectr.
Hamilton, M., M.B., B.S. Lectr.
Keir, Gertrude H., M.A. St. And.
Lectr.
Rawlings, Grace, B.A. Lectr.
Summerfield, A., B.Sc. Manc. and
Lond. Asst. Lectr.
1 Demr.

Scandinavian Studies

- Smith, Prof. A. H., O.B.E., M.A.,
Ph.D. Leeds, D.Lit. Director.
Koefoed, H. A., cand. mag. Copen-
hagen (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.

Foote, P. G., 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., Ph.D. Camb.
Lectr.
Heathcote, N. H. de V., Ph.D.
Lectr.

Semitic (North) Epigraphy

Stein, S., Ph.D. Heid. Sr. Lectr.

Statistics

- Pearson, E. S., C.B.E., M.A.
Camb., D.Sc. Prof.
David, Florence N., Ph.D. Reader.
Hartley, H. O., Ph.D. Berl. and
Camb Lectr.
Johnson, N. L., M.Sc., Ph.D.,
F.I.A. Lectr.
Please, N. W., B.Sc. Lectr.
Moore, P. G., B.Sc. Asst. Lectr.
Merrington, Maxine P. M., 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., M.A. (Arch.)
Drawing Office Instr.

Zoology & Comparative Anatomy

- Medawar, P. B., D.Sc. Oxon.,
F.R.S. Jodrell Prof.
Wells, G. P., M.A. Camb. Reader.

Freeman, R. B., M.B.E., M.A. Oxon. (Taxonomy) Reader.	Kermack, K. A., Ph.D. (Biol. Stats.) Lectr.
Fraser, Elizabeth A., D.Sc. Hon. Res. Assoc.	Whitby, Pauline, B.A. Oxon. Temp. Lectr.
Mackinnon, Prof. Doris L., D.Sc., LL.D. Aberd. Hon. Res. Assoc.	Hoyle, G., B.Sc. Asst. Lectr.
Kühne, W. G., Ph.D. Bonn Lectr.	Stevenson, J. P., B.Sc. Asst. Lectr.
Newth, D. R., B.Sc. Lectr.	Whitear, Mary, B.Sc. Asst. Lectr.
Ross, D. M., M.A. Dal., Ph.D. Camb. Lectr.	Townend, Joyce Res. Asst. and Sec. to Dept.

GENERAL INFORMATION

Founded in 1826 and opened Oct. 1, 1828, under the name of "The University of London," the College was incorporated as "University College, London," by Royal Charter in 1836. On Jan. 1, 1907, it was incorporated in the University of London.

LIBRARY. The College Library contains over 550,000 books and pamphlets, one-half of which are inaccessible owing to shortage of accommodation following the destruction of the Library buildings during the war. The General Library and part of the main building have now been restored, but some sections of the Library are in temporary premises elsewhere in College.

The Library contains books in all subjects taught in College, and is particularly strong in archæology (Yates Library), Egyptology (Edwards Library), London history, American and Latin-American history, Scandinavian studies, and the biological and medical sciences. A list of the most important special collections is given in the College *Calendar*; some, notably the Whitley Stokes library in Celtic, the Barlow Dante library, the Carnegie libraries of American literature and of international law, and part of the Graves library on the history of mathematics, are among the books not accessible at present.

The libraries of the Folk-Lore Society, the Geologists' Association, the Hertfordshire Natural History Society and Field Club, the Malacological Society, and the London Mathematical Society are deposited in the College Library, whilst those of the Viking Society for Northern Research and of the British Society of Franciscan Studies are now the property of the College. The library of the Philological Society and the Mocatta Library of Anglo-Jewish History were largely destroyed during the war; the latter is being reconstituted by the Jewish Historical Society of England, but is not yet available to readers.

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. B. J. Lloyd-Evans; Medical Sciences, Prof. G. L. Brown.

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, Law, Librarianship, Phonetics, Psychol., Town Planning and Civic Archit., Town Planning and Civic Engin.

Coll. Dipl. Courses in Archit. (this dipl. is recognized as exempting from the R.I.B.A. final examn.), Chem. Engin., Surveying.

Coll. Cert. Courses in Archit. (this cert. is recognized as exempting from the R.I.B.A. Intermediate Examination), Decoration, Town Planning, Preservation and Restoration of Historical Buildings, Phonetics, 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, from 36 to 44 gs. per yr. (3 or 4 yrs.); Archit., 290 gs. (5 yrs.); Laws, day, 108 gs. (3 yrs.), evening, 75 gs. (3 yrs.); Sci., from 36 to 55 gs. per yr. (3 or 4 yrs.); Engin., Intermediate 36 gs. (1 yr.), post-Intermediate 165 gs. (3 yrs.); Med., for first examn. 48 gs. (1 yr.), second examn. 95 gs. (5 terms); Economics, 108 gs. (3 yrs.).

Postgrad. For period prescribed by Univ. regulations: Ph.D. or LL.M., 40 gs.; M.A. or for M.Sc. in subjs. common to Arts and Sci., 25 gs.; M.Sc. in other subjects, 30 gs.

Academic or Postgrad. Diplomas: Anthropol., Archæol., Archive Admin., Librarianship, Psychol., Chem. Eng. and Surveying, 36 gs. (1st yr.), 24 gs. (2nd yr., if necessary); Laws, 21 gs. (1 yr.); Phonetics, 30 gs. (1 yr.); Town Planning, 18 gs. (1 yr.); Univ. Dipl. Fine Art, 153 gs. (3 yrs.).

Coll. Dipls. and Certs. : Archit. Dipl., 290 gs. (5 yrs.), Certs., 200 gs. (3 yrs.); Decoration Cert., 200 gs. (3 yrs.); Preservation and Restoration of Historical Buildings Cert., 18 gs. (1 yr.); Town Planning Cert., day, 28 gs. (1 yr.), evening, 18 gs. (1 yr.); Surveying Cert., 55 gs. (1 yr.).

SCHOLARSHIPS, ETC. Annual value, about £8200 (including £2600, Entrance Scholarships).

RESIDENCE. Bentham Hall, Cartwright Gardens, for 145 men. Fees, £90 to £105 per session. College Rooms in Gower Street for 42 women. Fees, £90 per session.

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*.

THE YEAR 1949-50

BENEFACTIONS. Anglo-Swedish Lit. Foundation, £500 for restoration and modernization of Swedish section of Library. Anon. Donor, a scholp., to be known as the Webb Scholp., of the value of £250 p.a. for a woman student

normally resident in one of the less developed areas of, or associated with, the British Commonwealth of Nations. Mrs. Lake Barnett, £1000 for upkeep of a room in Coll. for the Folk-Lore Soc. Chadwick Trustees, £600 for 1 yr. to establish a scholp. for res. in Public Health Engin. Library Assoc., the royalties received from *The Libraries of London* (a course of lectures given in the Easter vacation course in Librarianship, 1948), for a book prize for students to the value of £5 for at least 7 or 8 years. Nuffield Foundation, £500 p.a. for 3 yrs. for the furtherance of certain experimental investigations in Dept. of Anat. and Embryol. £1000 p.a. for 5 yrs. for each of the following studies: (i) a continuation of the study of learning; (ii) an investigation of the application of electronic theory and technique to the study of the nervous system. £1000 p.a. for 5 yrs. for study of the transport of substances along nerve fibres. R. E. Parry, £100 for prize in Dept. of Geog. The late W. Graham Robertson, £2000, income to provide travelling award to student of the Slade School.

NEW BUILDINGS. The reconstruction of the central Main Building, badly damaged by enemy action during the war, continued under the direction of Prof. A. E. Richardson. The General Library and the Refectory were completed and occupied in Oct. 1950. The southern portion of the bldg. is nearing completion, its ground floor was occupied in Oct. and it will be possible to move into the other floors in the early months of 1951. The northern part of the bldg. will be completed during the summer of 1951. Work was commenced on the bldg. which adjoins the N. side of the central Main Building. This will house the Science Library and connect with the new Physics Building, the erection of which will begin in 1951. The first part of the new Animal House to serve the Medical Sciences depts. was completed during the yr.

NEW COURSES. Courses for Dipl. and Cert. in Surveying.

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. 17,600 persons attended public lectures, including 3065 at lunch-hour lectures.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. G. P. Bognetti, Milan, "Relations between England and Lombardy in the Seventh and Eighth Centuries"; Prof. C. Bruneau, Paris, "Rimbaud, langue et style"; Prof. J. F. Bunnett, Reed College, U.S.A., to dept. of Chem.; Prof. R. A. Eastwood, Manchester, "Trade Protection and Monopoly"; Prof. B. Fairley, Toronto, to dept. of German; Prof. S. G. Kapsomenos, Salonika, "The Greek Koine in the Light of its Later Development"; Rev. Prof. M. D. Knowles, Cambridge, Seton Memorial Lecture, "Un novello pazzo: The teaching of St. Francis on Religious Obedience and Poverty"; Dr. P. J. G. Mann, Rothamsted Experimental Station, 4 lectures on "Minor Elements in the Nutrition of Higher Plants"; Prof. R. A. Morton, Liverpool, 3 lectures on "Biochemistry of Carotenoids"; Prof. A. Perosa, Institute of Advanced Studies, Pisa, "Problemi e aspetti della poesia latina del Quattrocento"; Prof. A. Tarski, California, 4 Shearman Memorial Lectures on "Fundamental Ideas and Problems in Meta-Mathematics"; Dr. W. E. van Heyningen, Sir William Dunn Sch. of Pathol., Oxford, 4 lectures on "Bacterial Toxins"; Prof. S. Wright, Chicago, "The Genetical Structure of Populations."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. H. H. Bellot (Hist.) to Gordon Memorial College, Khartoum, and Univ. Coll., Ibadan; Prof. G. L. Brown (Physiol.) to Malaya; Prof. J. B. S. Haldane (Biometry

and Genetics) to Vienna; Prof. E. D. Hughes (Chem.) to Montpellier; Prof. C. K. Ingold (Chem.) to Bologna and Florence; Dr. H. Kalmus (Eugenics) to McGill; Dr. G. Schwarzenberger (Laws) to German Univ. and Paris; Dr. A. Wasserman (Chem.) to Basle; Prof. D. M. S. Watson (Zool.) to Colombo; Prof. L. A. Willoughby (German) to Toronto (and other Canadian and American Univs.); Prof. F. R. Winton (Pharmacol.) to Univ. Coll., Ibadan.

RETIREMENTS. Prof. Sir Cyril Burt (Psychol.); Prof. R. O. Kapp (Pender Prof. of Electrical Engineering); Prof. L. A. Willoughby (German).

RESIGNATIONS. Prof. E. N. da C. Andrade (Physics), apptd. Dir., Royal Institution; Prof. G. R. de Beer (Embryol.), apptd. Dir., British Museum (Natural Hist.); Prof. C. A. Hart (Surveying and Photogrammetry), apptd. Vice-Chancellor, Univ. of Engineering and Applied Sciences, Roorkee; R. King (Physics), apptd. Asst. Dir., Davy-Faraday Research Lab., Royal Institution.

IMPORTANT EVENTS. Foundation Oration (March 16, 1950) by Prof. A. E. Richardson; Assembly of Coll. Facs. (June 27, 1950); Special Visitor—Arthur Bryant.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	600	2032
Women	311	649
Total	911	2681

Included in the above are 648 postgraduate students and 819 full-time undergraduates entering the College for the first time.

DEGREES. B.A., 150; B.A. (Arch.), 17; M.A., 13; M.A. (Arch.), 1; Ph.D. (Arts), 11; LL.B., 41; Ph.D. (Laws), 2; B.Sc., 141; M.Sc., 27; Ph.D. (Sci.), 55; D.Sc., 1; B.Sc. (Eng.), 15; M.Sc. (Eng.), 3; Ph.D. (Eng.), 3; D.Sc. (Eng.), 1; B.Sc. (Chem. Eng.), 11; B.Sc. (Econ.), 38; M.Sc. (Econ.), 2.

WESTFIELD COLLEGE *

Founded 1882

Incorporated by Royal Charter 1933

Postal Address : Kidderpore Avenue, N.W.3.

Telephone : Hampstead 7601.

CHAIRMAN OF COUNCIL—The Hon. SYLVIA FLETCHER MOULTON,
O.B.E., M.A.

PRINCIPAL—KATHLEEN CHESNEY, M.A., D.Phil. Oxon.

SECRETARY TO COUNCIL—ROSALIE M. FORSTER, B.A.

TEACHING STAFF

*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.*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.Hill, Betty, M.A. Birm.
Asst. Lectr.*French Lang. and Lit.*Elcock, W. D., M.A. Oxon. and
Manc., L. ès L., D. de l'U.

Toulouse Prof.

Dickinson, Gladys, B.A., L. ès L.
Reader.Chesney, Kathleen, M.A., D.Phil.
Oxon. Lectr.Rutherford, Mrs. Marie-Rose, M.A.
Lectr.

Coppock, Mrs. Denise Asst. Lectr.

Leitner, Monique, L. ès L.
Lectrice.*German*Beare, Mary, M.A. Belf., Ph.D.
Bonn Reader.

Ganz, P. F., M.A. Lectr.

*History*Martin, Eveline C., M.A., Ph.D.
(Imp. H.) Reader.Hill, Rosalind M. T., M.A., B.Litt.
Oxon., F.S.A. Lectr.Rubinstein, N., Ph.D. Florence
Lectr.Carsten, F. L., D.Phil. Oxon.
Lectr.Gee, Olive R., M.A., B.Litt. Oxon.
Asst. Lectr.*Italian*

Cremona, J. A., B.A. Asst. Lectr.

*Mathematics, Pure and Applied*Stanley, Gertrude K., B.Sc. Oxon.,
M.Sc. Reader.Pedoe, D., M.A., Ph.D. Camb.
Reader.

Weiss, P., Ph.D. Camb. Lectr.

Fishel, B., B.Sc. Asst. Lectr.

*Philosophy*Macdonald, Margaret, M.A. Camb.,
Ph.D. Visiting Lectr.*Spanish*

Perry, Janet H., M.A. Lectr.

* For women.

ADMINISTRATIVE AND OTHER STAFF

LIBRARIAN. Dorothy M. Moore, B.A. Belf., F.L.A.

REGISTRAR AND PRINCIPAL'S SECRETARY. Marion B. Muriel, M.A. Durh.

FINANCE OFFICER. Gwen Chambers, M.A. Oxon.

DOMESTIC BURSAR. Marion D. McCall.

GENERAL INFORMATION

Founded in 1882 by Miss Dudin Brown for the higher educn. of women, the Coll. is undenominational, but the Principal must be a member of the Church of England. Governed by a Council which includes the Principal and representatives of the L.C.C., the Univ., the Staff and Old Students. A School of the Univ. in Arts, offering in addition approved courses in Maths. (Hons. and Spec.) in the Fac. of Sci. Situated nr. Hampstead Heath with residential accomm. for 220 students.

Students are not admitted under the age of 18 and are required to take the Coll. Scholp. and Entrance Examn., at which open Scholps. and Exhibitions (aggregate value, £700) are awarded annually. Most of these awards are eligible for supplemn. by the Min. of Educn.

FEES. Tuition from 38 to 42 gs., residence £130 per session.

Facilities for Adult Educn. Lectures have been made available in the Coll. Lecturing Block (Kidderpore Hall) and are used on several evenings each week. Summer courses are held each yr. during the months of July and August.

There is an Old Students' Assn. A directory of Old Students, giving addresses and appts. held, is published periodically.

The Coll. Libraries have spacious reading rooms and contain approx. 35,000 vols.

Members of the Coll. belong to the Univ. of London Company of the W.R.A.C. (T.A.).

A *Student Health Service* has been establd. under the care of the Health Officer (S.R.N.) with a sick room and dispensary. The students take part in the Mass Radiography examns. held periodically.

Near-by Athletic Ground with 3 tennis courts, hockey, net-ball and cricket pitches. There are also 3 hard and 2 grass tennis courts in the Coll. grounds. Squash courts are available at New College and lacrosse is played in Regent's Park.

PUBLICATIONS. *Prospectus* (May); *Report* (Oct.), both issued free of charge; *Hermes* (Students' Mag.), 1s. 6d.; *Old Students' Directory*, 3s. 6d.

THE YEAR 1949-50

BENEFACTIONS. £100 legacy from the late M. C. Hulbert and an anon. gift of £206 to form an Amenities Fund.

NEW BUILDINGS. No. 322 Finchley Rd. was bought through the generosity of the U.G.C. and now houses 1 member of Staff and 15 students, and the top floor of Selincourt Hall reconstructed to accommodate 7 students.

NEW POST. Asst. Lectureship in Hist.

VISIT BY TEACHER FROM OTHER UNIVERSITY. Prof. H. A. Hodges, Reading, gave a course of Divinity Lectures on the Christian Discipline of the Intellect.

RESIGNATIONS. Miss B. Carr, Asst. Lectr. (English), on appt. to King's

Coll., Newcastle ; Miss M. Calder, Lectr. (Bot.), on appt. to Manchester Univ. ; Miss J. Lambert, Lectr. (Bot.), on appt. to Leverhulme Fellowship at Newnham Coll., Cambridge ; Miss J. Jaques, Asst. Lectr. (French).

DEATH. Prof. H. Gordon Jackson, for many yrs. member of the Coll. Council and Chairman of the Establishment Cttee.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	2
Women	7	240
Total	9	242

Included in the above are 13 postgraduate students and 76 first-year admissions.

DEGREES. B.A. Hons., 64 ; M.A., 2 ; Ph.D., 2 ; B.Sc. (Speci.), 18 ; Ph.D. (Sci.), 1.

WYE COLLEGE

(THE COLLEGE OF ST. GREGORY AND ST. MARTIN AT WYE),

WYE, ASHFORD, KENT

Founded 1894

Telegrams and Cables : College, Wye.*Stations* : Ashford, 5 m., Wye, $\frac{1}{2}$ m.*Telephone* : Wye 1.

VISITOR—His Grace the ARCHBISHOP OF CANTERBURY.

CHAIRMAN OF GOVERNING BODY—The Rt. Hon. LORD NORTHBOURNE.

PRINCIPAL—D. SKILBECK, M.A. Oxon. (R.).

VICE-PRINCIPAL—.....

SECRETARY AND REGISTRAR—C. W. A. GARLAND, B.Sc., Dip. Ed. Camb.

LIBRARIAN—ELAINE FERNIE, M.A. Oxon., 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. (A.).

The Principal (R.).

Davis, A. G., B.S.A. Tor., M.Sc.

Wales Lectr.

Gibb, J. A. C., M.A. Camb., M.Sc.

Durh. Asst. Lectr.

Wylie, D., B.Sc. (Agric.) Reading

Asst. Lectr.

Maddison, A. E., B.A. Oxon., Dip.

Ag. Sc. Camb. Asst. Lectr.

Patterson, J. D. Pt.-time Lectr.

Dunkin, A. C., B.Sc. (Agric.)

Reading (Pig. Husb. Res.).

Gregg, A. S., B.Sc. Reading

(seconded from N.I.A.B.).

Biological Sciences

.....

Hd. of Dept.

Harrison, R. M., B.Sc.

Lectr. (R.).

Schimmer, Frieda C., M.Sc.

Lectr. (R.).

Selman, I. W., B.Sc., Ph.D.

Lectr. (R.).

Froud, M. D., B.Sc.

Lectr.

Allen, Margaret D., B.Sc.

Demr.

Rees, June R., B.Sc.

Demr.

Economics

Butler, J. B., M.Sc., M.Com. Birm.

Actg. Hd. of Dept.

Brewin, J. M., M.A. Agric. Camb.

Agric. Econ

Campleman, G., B.Sc. (Econ.)

Asst. Agric. Econ.

Harrison, J. E., B.Sc. (Agric.).

Asst. Agric. Econ.

Hooper, J. G., Dip. Agric.

Inves. Officer.

(A.)=Appointed Teacher.

(R.)=Recognized Teacher of the Univ. of London.

Littlejohn, J. E., B.Sc. Durh., B.Litt. Oxon.	Wilkinson, E. H., B.Sc. Birm., Ph.D. Brist. Sr. Lectr.
Asst. Agric. Econ.	Page, Mary, Dip. Hort.
Lord, R. F., B.Sc. Agric.	Lectr. (R.).
Asst. Agric. Econ.	Jackson, A. A., B.Sc. Manc.
de Morpurgo, P. G. L., B.Sc. Reading	Lectr.
Asst. Agric. Econ.	Dobson, R. M., M.A. Camb.
Halls, H. G. Inves. Officer.	Res. Asst.
Wyllie, J., O.B.E., B.Sc. Agric. Glas.	Rake, Ann, B.Sc. (Hort.) Demr.
Spec. Res. (R.).	Keep, Elizabeth, B.Sc. (Hort.) Demr.

Hops

Burgess, A. H., D.Sc. (Agric.), Dip. Agric. Hd. of Dept.	Rimington, Jean, B.Sc. (Hort.) Demr.
Dark, S. O. S., B.Sc., Ph.D. Sr. Scientific Officer.	<i>Physical Sciences</i>
Thompson, F. C., B.Sc., M.Sc. (Agric. Chem.) Durh.	Wain, R. L., M.Sc., Ph.D. Sheff., D.Sc., F.R.I.C. (Agric. Chem.) Prof. (A.).
Sr. Scientific Officer.	Smith, Margaret S., B.Sc., Ph.D. Lectr. (R.).
Beard, F. H., Dip. Hort. Senr. Exp. Officer.	Worrall, G. A., B.A., B.Sc. Lectr.
Cripps, E. G., B.Sc. (Agric.) Dip. Agric. Exp. Officer.	Mills, C. F., B.Sc. Reading Asst. Lectr.
Tatchell, A. R., M.Sc. Scien. Officer.	Seeley, R. C., B.Sc. (Agric.) Asst. Lectr.
Watson, G., B.Sc. Exp. Officer.	Ingram, Jeanne, B.Sc. (Agric.) Edin. Demr.
Salmon, E. C. Emeritus Prof. of Mycol.	Wightman, F., B.Sc. Leeds May and Baker Res. Asst.

Horticulture

Miles, H. W., M.Sc. Brist., Ph.D., D.Sc. Manc. Prof. (A.).	Fawcett, C. H., B.Sc. Res. Asst.
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(A.) = Appointed Teacher.
(R.) = Recognized 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. 12,000 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, glass-houses, 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, £170 per annum.

THE YEAR 1949-50

BENEFACTIONS. War Memorial Scholp. presented by Agricola Club; wrought-iron gates for Withersdane Hall from Swanley Guild; £50 and a further £200 for purchase of land from Messrs. Guinness and Co. Ltd.; Prize Medal annually from Fruiterers' Co., London; renewal for 3 yrs. by Messrs. May and Baker of the Res. Fellowship; £200 bequest from Mrs. I. M. Holmes; further gifts from C. O. Skilbeck, Esq., J. W. Kennard, Mrs. A. Armstrong and others.

NEW BUILDINGS. The third and final stage of the new Women's Hall of Residence, which includes the Coll. Assembly Hall, was completed for the beginning of the 1950-51 session. The Coll. now has residential accomm. for 80 women students. Further extensions to the Farm Dept., including a Machinery Hall, Experimental Poultry bldgs., and Experimental Pig Farrowing Ranges.

OTHER DEVELOPMENTS. A small Coll. Chapel, in part of the original 15th-century building, was dedicated in Jan. 1950 by the Archbishop of Canterbury. The Chapel was furnished largely as a result of gifts. The Annual Commemoration was held on June 27, when Sir William Halliday gave the address and Geoffrey Mure, Warden of Merton Coll., was elected a Fellow of Wye Coll. Sir John Russell, Pres. of Agricola Club, presented the War Memorial Scholp.

EXTRA-MURAL WORK. All Depts. have been extensively engaged, including broadcasting, lectures and advisory work. Prof. Cooper lectured to Extra-mural students of Birmingham Univ. on "Agriculture"; Prof. Wain, Dr. Smith and G. Worrall to the Devonshire Course students at the London School of Economics. Prof. Wain lectured to Oxford Univ. Dept. of Agric. on "Growth Regulating Activity." Prof. Miles, Mr. Bagenal, Mr. Jackson and Miss Page lectured on various Horticultural subjects for the Univ. Dept. of Adult Educ., and Prof. Miles and Mr. Jackson on Horticultural subjects for Birmingham Univ.; Prof. Miles on "Eelworm Diseases of Horticultural Crops" at Ghent Univ.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. H. D. Kay, Reading, "Physiology and Milk Production." Prof. E. M'Ewen, King's Coll., Durham, "The Engineer and Farm Mechanization." Sir W. Ogg, Rothamsted Experimental Station, "Some Aspects of the Work at Rothamsted." Prof. G. W. Robinson, University College of North Wales, Bangor, "Soils and Crops." Mr. D. P. Cuthbertson, Aberdeen, "Planes of Nutrition in Relation to Growth, Pregnancy and Lactation."

RETIREMENT. N. B. Bagenal (Hort.).

RESIGNATIONS. Mary Brooke, on appt. to Industry ; Joan Williams ; P. Gould, on appt. as Demr. in the Univ. ; P. Holwill, on appt. as Demr. at Seale Hayne Agricultural Coll. ; Daphne Osborne, to take up Rose Sedgewick Memorial Fellowship in Univ. of California ; E. R. Woollard, to take up an appt. in the Colonial Service in Rhodesia.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	10	126
Women	1	71
Total	11	197

Included in the above are 17 postgraduate students and 67 first-year admissions.

DEGREES. B.Sc. (Agric.), 27 ; B.Sc. (Hort.), 24 ; M.Sc., 3 ; Ph.D., 3.

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.).	RICHMOND COLLEGE	(R.).
KING'S COLLEGE, THEOLOGICAL DEPT.	(KT.).	ST. JOHN'S HALL	(J.).

Theology

Coggan, Rev. F. D., M.A. Camb., D.D. Tor.	(J.).	Nuttall, Rev. G. F., M.A., D.D. Oxon.	(N.).
Higgins, Rev. A. J. B., Ph.D. Manc., M.A. Wales	(N.).	Roberts, Rev. H., M.A. Wales, Ph.D. Camb.	(R.).
*James, Rev. Prof. E. O., D.Litt. Oxon., D.D., Ph.D.		Rupp, Rev. E. G., B.A.	(R.).
*McHardy, Prof. W. D., D.Phil. Oxon., M.A., B.D. Aberd., M.A. Edin.		*Sellers, Rev. Prof. R. V., D.D. Camb., M.A.	(KT.).
(Samuel Davidson Prof.).		Simon, Rev. U. E., M.Th.	(KT.).
		*Tasker, Rev. Prof. R. V. G., M.A., B.D. Camb.	(KT.).

* Appointed Teacher.

GENERAL INFORMATION

†NEW COLLEGE, LONDON (Congregational), 527 Finchley Road, Hampstead, N.W.3. (*Telephone*: Hampstead 3719.) 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. (*Telephone*: Temple Bar 5651.) Dean—Rev. Canon E. S. Abbott, M.A. Secy.—.....

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, 250; internal students of the Univ., 109; pt.-time students, 55. The Coll. grants the A.K.C. Dipl. in Theol.

†RICHMOND COLLEGE (Methodist), Richmond, Surrey. (*Telephone*: Richmond 1886.) Principal—Rev. Prof. F. B. Clogg, B.D., M.A.

† 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 about 60. Students—63. *Fees* : £198 for residence and tuition.

†ST. JOHN'S HALL, formerly at Highbury, N.5 (Church of England). Present Address : Ford Manor, Lingfield, Surrey. (*Telephone* : Lingfield 577 (Principal), 588 (Students).) 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

..... 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
T., 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

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 reopened in 1947 after a lapse of 36 yrs. With its associated hospls. there is a service of 670 beds. 45 students are admitted annually.

MUSEUM, 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 1949-50

NEW BUILDINGS. 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 adapted, and is now occupied by the depts. of clin. pathol. and chem., the latter including chemical pathol., biochem. and organic chem. Considerably increased space is thus available for teaching and other work of the School.

RETIREMENT. Mr. W. D. Southern (Dental Surg.).

STUDENTS. 232 (including 15 postgraduates).

DEGREES. M.B., B.S., 15; M.D., 4.

GUY'S HOSPITAL MEDICAL SCHOOL

Founded 1724

St. Thomas's Street, London Bridge, London, S.E.1.

Telephone : Hop 3500.

DEAN—E. R. BOLAND, C.B.E., M.D., F.R.C.P.

SUB-DEAN (Medical School)—C. G. BAKER, O.B.E., M.D.

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, J., M.D., M.S. Durh.
Prof.
Joseph, J., M.B., Ch.B. Reader.

Bacteriology

Knox, R., M.D. Prof.

Biochemistry

Haslewood, G. A. D., D.Sc., Ph.D.
Prof.
Shore, Agnes, Ph.D., B.Sc.
Sr. Lectr.

Biology

Foxon, G. E. H., M.A. Camb.,
M.Sc. Wales Reader.
Baxter, E. W., B.Sc. Sr. Lectr.

Cardiology

Campbell, J. M. H., O.B.E., D.M.
Oxon.
Baker, C. G., O.B.E., M.D.

Chemical Pathology

Thompson, R. H. S., D.M. Oxon.
Prof.

Chemistry

Gent, W. L. G., Ph.D., B.Sc.
Reader.
Brain, F. H., M.A., Ph.D., B.Sc.
Sr. Lectr.

Children's Diseases

Evans, P. R., M.D. Manc.
MacKeith, R. C., M.A., D.M.

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.
Hooper, K., F.D.S.
Warner, F. S., F.D.S.
Herbert, W. E., F.D.S. Prof.
Kenshole, H. H., D.S.O., F.D.S.
Mansie, J. W., F.D.S.
Thompson, A. R. F., F.D.S.
Holland, R. D., L.D.S.
Pringle, K. E., L.D.S. (Ortho-
odontics).
Rix, R. E., F.D.S. (Orthodontics).

Dermatology

Barber, H. W., F.R.C.P.

Forman, L., M.D.

Moynahan, E. G.

Endocrinology

Bishop, P. M. F., D.M.

Forensic Medicine

Simpson, C. K., M.D. Reader.

Medicine

Conybeare, Sir John, K.B.E.,
M.C., D.M. Oxon.

Douthwaite, A. H., M.D.

Boland, E. R., C.B.E., F.R.C.P.

Hampson, A. C., M.C., M.D.
Camb.

Mann, W. N., M.D.,

Hardwick, C., M.D. Camb.

Baker, C. G., O.B.E., M.D.

Kauntze, R., M.D.

MacLean, K. S., M.D.

Mental Diseases

Munro, T. A., M.D.

Neurology

Symonds, Sir Charles, K.B.E.,
C.B., M.D. Oxon.

Obstetrics and Gynæcology

McNair, A. J., F.R.C.S.

Cook, F., F.R.C.S., F.R.C.O.G.

Gibberd, G. F., M.S.

Blakley, J. B., F.R.C.S.,
F.R.C.O.G.

Lewis, T. L. T., F.R.C.S.

Ophthalmology

Morgan, O. G., M.Chir. Camb.

Law, F. W., M.D. Camb., F.R.C.S.

Orthopædics

Stamm, T. T., M.B., B.S., F.R.C.S.

Batchelor, J. S., F.R.C.S.

Oto-Rhino-Laryngology

Cann, R. J., M.S.

Reading, P. V., M.S.

Pathology

Wright, G. Payling, D.M. Oxon.

Prof.

Readers

Knott, F. A., M.D., F.R.C.P.

De Navasquez, S. J., M.D.

Gorer, P. A. I., D.Sc.

Merivale, W. H. H., M.B., B.S.

Pharmacology

Robson, J. M., F.R.S.Ed., D.Sc.,
M.D. Leeds Prof.

Physical Medicine

Crisp, E. J., M.D. Camb.

Physics

Stead, G., D.Sc., M.A. Camb.

Prof.

Allsopp, C. B., M.A., Ph.D., D.Sc.
Reader.

Physiology

Spurrell, W. R., M.S., F.R.C.S.

Prof.

Bishop, P. M. F., D.M. Oxon.

Hunt, J. N., M.B., B.S.

Sr. Lectr.

Radiology

Hills, T. H., M.B., B.S., D.M.R.E.

Surgery

Slesinger, E. G., O.B.E., M.S.

Ogilvie, Sir Heneage, K.B.E.,
M.Ch. Oxon.

Massie, G., C.B.E., M.S.

Eckhoff, N. L., M.S.

Atkins, H. J. B., M.Ch. Oxon.

Wass, S. H., M.S.

Blackburn, G., O.B.E., M.Ch.
Oxon.

Lawrie, R. S., M.D., F.R.C.S.

Glover, F. N., M.S.

Doherty, W. D., M.Chir. Camb.
(Genito-Urinary).

Kilpatrick, F. R., M.S. (Genito-
Urinary).

Brock, R. C., M.S. (Thoracic).

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. Accommod. 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 1953, in Science). 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 £120.

DENTAL SCHOOL. Est. 1888, it is fully equipped on modern lines and provides for the teaching of the entire dental curriculum. Dental students benefit by the intimate association with the Med. School. *Fees:* 1st-yr. course for B.D.S., £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 1949-50

MEDICAL SCHOOL

STUDENTS. Total : 802; full-time : 660; pt.-time : 142.

DEGREES, ETC., OBTAINED. M.B., B.S. Lond., 60; M.B., B.Chir. Camb., 11; B.M., B.Ch. Oxon., 7; M.S. Lond., 1; M.D. Lond., 12; D.M. Oxon., 1; M.Ch. Oxon., 1; Ph.D., 1; Dipls., 61.

DENTAL SCHOOL

STUDENTS. Total : 400; full-time : 383; pt.-time : 17.

DEGREES, ETC. B.D.S., 9; Diplomas, 48.

KING'S COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1830

Postal Address : Denmark Hill, S.E.5.

Telephone : Brixton 1731, 5739.

DEAN—VERNON F. HALL, F.F.A.R.C.S.

VICE-DEAN—A. J. HERIOT, M.S., F.R.C.S.

SUB-DEAN OF THE DENTAL SCHOOL—RALPH COCKER, M.B., Ch.B., 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. Lectr.

Cartwright, F. F., F.F.A.R.C.S.

Galley, A. H., M.B., B.S.,
F.F.A.R.C.S.

Dental Surgery

Lecturers

Cocker, R., M.B., Ch.B. Manc.,
F.D.S.R.C.S.

James, J., F.D.S.R.C.S.

Marsh, L. R., F.D.S.R.C.S.

Moore, A. S.

Wade, W. N. L.

Collyer, W. F., F.D.S.R.C.S.

Liddelov, K. P., F.D.S.R.C.S.

King, J. J. D., Ph.D., F.D.S.R.C.S.

Dermatology

Lecturers

Thomson, S., M.A., M.D. Camb.,
F.R.C.P., F.R.S.Ed.

Williams, D. I., M.B., B.S.

Diseases of Children

Lecturers

Sheldon, W. P. H., M.D., F.R.C.P.

Wilmers, Mary J., M.D.

Medicine

Lecturers

Critchley, M., M.D. Brist., F.R.C.P.

East, C. F. T., M.A., D.M. Oxon.,
F.R.C.P.

Lawrence, R. D., M.D. Aberd.,
F.R.C.P.

Livingstone, J. L., M.D., F.R.C.P.

Gilpin, A., M.D., F.R.C.P.

Hoyle, J. C., M.D., F.R.C.P.

Pearson, R. S. B., D.M. Oxon.,
F.R.C.P.

Nevin, S., M.D. Belf., B.Sc.,
F.R.C.P.

Oakley, W. G., M.A., M.D. Camb.,
F.R.C.P.

Oram, S., M.D., F.R.C.P.

Mental Diseases

Hill, D., M.B., B.S., F.R.C.P.,
D.P.M. Lectr.

Obstetrics and Gynæcology

Gilliatt, Sir W., K.C.V.O., M.D.,
M.S., F.R.C.P., F.R.C.S.,
F.R.C.O.G. Emeritus Lectr.

Peel, J. H., M.A., B.M. Oxon.,
F.R.C.S., F.R.C.O.G. Lectr.

Clayton, S. G., M.D., M.S.,
F.R.C.S. Lectr.

Ophthalmology

Lecturers

Savin, L. H., M.D., M.S., F.R.C.S.

Lyle, T. K., C.B.E., M.A., M.D.,
M.Chir. Camb., F.R.C.S.

Oto-Rhino-Laryngology

Lecturers

Daggett, W. I., M.B., B.Chir.
Camb., F.R.C.S.

Cawthorne, T., F.R.C.S.

Pathology and Bacteriology

Magnus, H. A., M.D. Prof.

Gray, C. H., M.Sc., M.B., B.S.,
F.R.I.C. Prof.

Cunliffe, A. C., M.A., M.D. Camb.
Reader.

Radiology

Shawcross, E. W. H., M.A. Camb.,
D.M.R.E. Lectr.

Surgery

Lecturers

Wakeley, Sir C. P. G., K.B.E.,
C.B., D.Sc., M.Ch. Cairo,
F.R.C.S.

Hunter, J. B., C.B.E., M.C., M.A.,
M.Chir. Camb., F.R.C.S.

Edwards, H. C., C.B.E., M.S.,
F.R.C.S.

Kendall, A. W., M.S., F.R.C.S.

Muir, E. G., M.S., F.R.C.S.

Buxton, N. St. J. G. D., M.B., B.S.,
F.R.C.S.

Wood, H. L. C., M.S., F.R.C.S.

Bell, J. G. Y., M.B., B.S., F.R.C.S.

Heriot, A. J., M.S., F.R.C.S.

Venereal Diseases

Lydon, F. L., M.B., B.Ch. Lectr.

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 Hspl. 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 Hspl. 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 1949-50

NEW BUILDINGS. Fluorescent lighting installed to complete the alterations to the School Library.

NEW POSTS. Lectureships in Clin. Pathol. and Bacteriol. 3 new Demonstratorships in Pathol.

OTHER DEVELOPMENTS. The appointment of 12 members of the Medical Staff to act as Personal Advisers to Medical Students. Mr. John B. Hunter

apptd. Deputy Vice-Chancellor of University of London for the Session 1950-51. Mr. V. E. Negus awarded Hon. D.Sc. by Univ. of Manchester. Sir Cecil Wakeley made a Chevalier of the Legion of Honour of the French Republic in recognition of his war-time services. Mr. J. H. Peel apptd. Consultant in Obstetrics and Gynæcol. to Colonial Office. Dr. P. Pringle made a Commander of the Order of St. John of Jerusalem.

DEGREES. M.B., B.S., 36 ; B.M., B.Ch. (Oxon.), 2 ; M.B., B.Ch. (Camb.), 6 ; M.D., 6 ; M.D. (Brist.), 1 ; M.S., 1 ; M.Sc., 1.

LONDON HOSPITAL MEDICAL COLLEGE

Founded 1781

Incorporated as a constituent School of the University
of London in 1900*Postal Address* : 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.

VICE-DEAN—.....

SECRETARY—H. P. LAIRD, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Challis, J. H. T., F.F.A.R.C.S.

Keizer, W. R., F.D.S.R.C.S.

Miles, A. E. W., F.D.S.R.C.S.

Prof.

Anatomy

.....

Prof.

Dermatology

O'Donovan, W. J., O.B.E., M.D.

Bacteriology

Bedson, S. P., M.A., D.Sc. Belf.,

F.R.C.P., F.R.S. Prof.

Barwell, C. F., M.B., B.Ch. Camb.

Reader.

Diseases of Children

Dobbs, R. H., M.D. Camb.,

F.R.C.P.

Tallerman, K. H., M.C., M.D.

Camb.

Biochemistry

Fawns, H. T., M.Sc., F.R.I.C.

Lectr.

Forensic Medicine

Camps, F. E., M.D.

Chemical Pathology

Marrack, J. R., D.S.O., M.C., M.D.

Prof.

Histology

Bourne, G., D.Sc. W. Aust., D.Phil.

Oxon.

Morris, C. J. O. R., Ph.D., M.Sc.,

F.R.I.C. Reader.

Chemotherapy

Valentine, F. C. O. Reader.

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.

Hunter, D., M.D., F.R.C.P.

Perry, K. M. A., M.D., M.Chir.

Camb.

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.

Dir. of Conservative

Dentistry.

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.

Woods, W. W. Lectr.

Neuro-Surgery

Northfield, D. W. C., M.S.,
F.R.C.S.

Obstetrics and Gynæcology

Brews, R. A., M.D., M.S., F.R.C.S.,
F.R.C.O.G.

Lack, V. J. F., M.D., F.R.C.P.,
F.R.C.S.Ed., F.R.C.O.G.

Percival, R. C., F.R.C.S.

Ophthalmology

Lister, A., M.B., B.Chir. Camb.,
F.R.C.S.

Orthopædics

Clarke, H. Osmond, C.B.E., M.B.,
F.R.C.S.

Law, W. A., O.B.E., M.D. Camb.,
F.R.C.S.

Vaughan Jackson, O. J., B.M.,
B.Ch. Oxon., F.R.C.S.

Watson-Jones, Sir R. W., B.Sc.,
M.Ch. Liv., F.R.C.S.

Oto-Rhino-Laryngology

Bowen-Davies, A., M.B., B.Chir.
Camb., F.R.C.S.

Keogh, C. A., M.B., B.Chir. Camb.,
F.R.C.S.

Lindhahl, 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. Lectr.

Physical Medicine

Tegner, W. S., M.A., B.M., B.Ch.
Oxon.

Physiology

D'Silva, J. L., Ph.D., D.Sc., M.B.,
B.S. Prof.

Plastic Surgery

Heanley, C. L., M.B., B.Chir.
Camb., F.R.C.S.

Radiology

Boden, G. W., B.Sc., F.F.R.,
D.M.R.E.

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.

Moore, A. M. A., F.R.C.S.

Perry, A. C., M.S., F.R.C.S.

Taylor, H., M.D. Camb., M.Ch.,
F.R.C.S.

Thoracic Surgery

Thompson, V. C., M.B., B.S.,
F.R.C.S.

Venereal Diseases

King, A. J., M.B., B.S., F.R.C.S.

GENERAL INFORMATION

There are 62 Appointed and Recognized Teachers (v. *supra*). The Hospl. and Annexe at Brentwood provide 893 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.

RESIDENCE. There is a Hostel for 98 students. Charges : £2 : 10s. to £3 per week.

PUBLICATION. (Students) *L.H. Gazette*.

THE YEAR 1949-50

STUDENTS.

MEDICAL		
	<i>Part-Time</i>	<i>Full-Time</i>
Men	80	506
Women	4	36
Total	84	542

Included in the above are 87 postgraduate students and 101 first-year admissions.

DENTAL		
	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	100
Women	..	1
Total	..	101

Included in the above are 23 first-year students.

DEGREES. *Dentistry* : B.D.S., 3. *Medicine* : M.B., 56 ; M.B. Camb., 15 ; B.M. Oxon., 4 ; M.B., N.U.I., 1. *Science* : B.Sc., 1.

MIDDLESEX HOSPITAL MEDICAL SCHOOL

Founded 1835

Postal Address : Mortimer St., London, W.1.*Telephone* : Museum 8333.**CHAIRMAN**—Col. Hon. J. J. ASTOR, D.Lit.**DEAN**—Sir HAROLD BOLDERO, M.A., D.M. Oxon., F.R.C.P.**SECRETARY**—EILEEN M. WALTON.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Idris, A. E. W., D.A., F.F.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*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.Dickens, F., M.A. Camb., D.Sc.,
Ph.D., D.I.C., F.R.I.C.,
F.R.S. Prof.Lawson, W., M.Sc. Liv., F.R.I.C.
Reader.

Kellie, A. E., Ph.D.

Jepson, J. B., M.A., B.Sc., D.Phil.

Biology

Woodger, J. H., D.Sc. Prof.

*Chemistry*O'Sullivan, D. G., B.Sc., Ph.D.,
D.I.C.

Holt, S. J., B.Sc., Ph.D., F.R.I.C.

Dental Surgery

Packham, A. L., F.D.S.

Breese, H. W., F.D.S.

Dermatology

Bettley, F. R., M.D., F.R.C.P.

*Diseases of Children*Hart, E. W., M.B.E., M.A., M.D.
Camb., D.C.H.*Diseases of Nervous System*Kremer, M., M.D., B.Sc., F.R.C.P.
McAlpine, D., M.D., Ch.B. Glas.,
F.R.C.P.*Medicine*Ward, G. E. S., M.D., B.S.,
F.R.C.P.Beaumont, G. E., M.A., D.M.
Oxon., F.R.C.P., D.P.H.Boldero, Sir Harold, M.A., D.M.
Oxon., F.R.C.P.Bedford, D. E., M.D., B.S.,
F.R.C.P.Marriott, H. L., C.B.E., M.D.,
F.R.C.P.Willcox, A., M.A., M.D., B.Chir.
Camb., F.R.C.P.Hadley, G. D., M.A., M.D. Camb.,
F.R.C.P.Kekwick, A., M.A., M.B., B.Chir.
Camb., F.R.C.P. Prof.*Mental Diseases*Harris, N. G., M.D., B.S., F.R.C.P.,
D.P.M.

Hobson, J. A., B.Sc., M.D., D.P.M.

Morbid Anatomy

Thackray, A. C., M.D. Camb.

Reader.

*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.

Orthopædics

Wiles, P., M.B., M.S., F.R.C.S.
Newman, P. H., D.S.O., M.C.,
F.R.C.S.

Oto-Rhino-Laryngology

Wilson, C. P., C.V.O., F.R.C.S.
Monkhouse, J. P., M.B., B.S.,
F.R.C.S.

Pathology

Scarff, R. W., M.B., B.S. Prof.

Pharmacology

Keele, C. A., M.D., B.S., F.R.C.P.
Reader.

Physical Medicine

Howitt, F. D., C.V.O., M.A., M.D.,
B.Chir., F.R.C.P.

Physics

Roberts, J. E., D.Sc., F.I.P. Prof.

Physiology

..... Reader.
Wright, S., M.D., F.R.C.P. Prof.

Plastic Surgery

Monlem, R., M.B., Ch.B. N.Z.,
F.R.C.S.

Radio Diagnosis

Hodgson, Sir Harold G., K.C.V.O.,
M.B., B.S. Durh., F.R.C.P.,
D.M.R.E. Camb.
Golding, F. Campbell, M.B., Ch.M.,
F.R.C.P., F.F.R., D.M.R.E.

Radio-Therapy

Windeyer, B. W., M.B., B.S. Syd.,
F.R.C.S., F.F.R., D.M.R.E.
Prof.

Surgery

Hudson, R. V., F.R.C.S.
Riches, E. W., M.C., M.B., M.S.,
F.R.C.S.
Patey, D. H., M.B., M.S., F.R.C.S.
Handley, R. S., O.B.E., M.A.,
M.B., B.Chir. Camb., F.R.C.S.
Murray, C. J. B., M.S., F.R.C.S.
Ascroft, P. B., M.B., M.S.,
F.R.C.S. Prof.

Thoracic Surgery

Holmes-Sellors, T., M.A., D.M.,
M.Ch., 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 1949-50

RETIREMENT. Mr. M. H. Whiting from Consultant Staff of the Hospital (Ophthalmol.).

RESIGNATION. Dr. D. Slome from Dept. of Physiol.

DEATH. H. MacCormac, Consulting Physician for Diseases of the Skin.

STUDENTS. Total : 580 ; full-time : 466 (including 37 women) ; pt.-time : 114.

DEGREES. M.B., B.S., 30 ; M.B., B.Chir., 24 ; B.M., B.Ch., 7 ; M.D., 13 ; M.R.C.P., 11 ; F.R.C.S., 12.

ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

Founded 1858

Postal Address : 32 Leicester Square, W.C.2.

Telephone : Whitehall 6427-8.

CHAIRMAN OF THE COUNCIL—A. L. PACKHAM, F.D.S.R.C.S.

DEAN—H. L. HARDWICK, F.D.S.R.C.S.

SCHOOL SECRETARY—K. R. McK. BIGGS, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Karn, R. G., M.C.

Sibley, O. L. C., F.F.A.R.C.S.

Walker, D. G., M.A., M.B., B.Ch.,
B.A.O., M.Dent.Sc. Dub.,
F.D.S.R.C.S.

Hardwick, H. L., F.D.S.R.C.S.

Graham, M. P., F.D.S.R.C.S.

MacGregor, A. B., M.A., M.D.,
B.Chir. Camb., F.D.S.R.C.S.

Dental Anatomy and Dental Surgery

Hovell, J. H., F.D.S.R.C.S.

Dental Metallurgy

.....

Dental Surgery and Pathology
Chair vacant.

Dental Surgery

Packham, A. L., F.D.S.R.C.S.

Henry, C. B., F.D.S.R.C.S.

Ainsworth, N. J., M.C.,
F.D.S.R.C.S.

Greenish, V. A. F., F.D.S.R.C.S.

Fickling, B. W., F.R.C.S.,
F.D.S.R.C.S.

Orthodontics

Smyth, Kathleen C., F.D.S.R.C.S.
Reader.

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. It is anticipated that admission to the L.D.S. course will be severely restricted from Oct. 1951.

FEES. For instruction for the B.D.S. Degree or L.D.S. Diploma—Registration fee, 5 gs. Composition fees (including all normal tuition fees, materials, hire of apparatus, students' societies, etc.), B.D.S. course, £320, payable in 'our annual instalments of £75 and a fifth instalment of £20; L.D.S. course, 88, payable in four annual instalments of £75.

SCHOLARSHIPS. Numerous scholps. and prizes are awarded annually, including an Entrance Scholp. of £100.

THE YEAR 1949-50

NEW BUILDINGS. Initiation of planning for rebuilding of School on new site in assoc. with St. George's Hosp. Med. School. Completion delayed of internal replanning scheme in existing bldg., but additional bench space provided in Mechanical Lab. together with improvements in Prosthetics and Orthodontic clinical rooms.

NEW DEPARTMENTS AND POSTS. New Dept. of Pathol. opened in assoc. with Dept. of Pathol. at St. George's Hosp. Med. Sch., and Reader in Pathol. (Dr. R. B. Lucas) appointed. Establishment of Readership in Orthodontics approved by Univ. New teaching posts in Children's Dent. and Jr. Conservation established.

OTHER DEVELOPMENTS. Stobie Memorial Library opened. Grant of Arms to the School by Letters Patent.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. A. B. P. Amies, Melbourne, sp. Univ. lecture on "Broken Needles." Prof. G. Westin, Stockholm.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	17	196
Women	6	26
Total	23	222

DEGREES, ETC. B.D.S., 3 ; L.D.S., 26.

ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

Founded 1874

Postal Address : 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.,
F.F.A.R.C.S.

Anatomy

Bowden, Ruth E. M., M.B., B.S.
Reader.

Dickson, Lilian M., M.B., Ch.B.
Glas. Sr. Lectr.

Biology

Lucas, Catherine L. T., M.Sc.
Sr. Lectr.

Chemistry, Inorganic

Sanderson, Phyllis M., B.Sc.,
Ph.D., D.I.C. Sr. Lectr.

Chemistry, Organic

Lawson, A., B.Sc., Ph.D. Glas.
Reader.

Dermatology

Brain, R. T., M.D., B.S., F.R.C.P.

Infectious Diseases

Gunn, W., M.B., Ch.B. Aberd.,
D.P.H., F.R.C.P.

Laryngology and Otology

Scott-Brown, W. G., C.V.O., M.D.,
M.A., B.Chir, Camb., F.R.C.S.,
F.R.C.S.Ed.

Medicine

Baker, Doris M., M.D., B.S.

Davies, Sir Daniel, K.C.V.O.,
B.Sc., M.D., B.Ch. Wales,
F.R.C.P.

Dimsdale, Helen E., M.A., M.D.,
B.Chir. Camb., F.R.C.P.

Fletcher, E. T. D., M.A., M.D.
Camb.

Gardner, Frances V., M.D.

Hancock, P. E. T., M.B., B.Chir.
Camb., F.R.C.P.

Hoskin, T. J., M.A., M.D., B.Chir.
Camb., F.R.C.P.

Ledingham, Una C., M.D., B.S.,
F.R.C.P.

Lee Lander, F. P., O.B.E., M.D.,
B.S., F.R.C.P.

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.

Robinson, Kathleen M., M.D.,
F.R.C.S., F.R.C.O.G.

Turner, Beatrice E., O.B.E., M.B.,
B.S., F.R.C.S.Ed., F.R.C.O.G.

Ophthalmology

Dollar, Jean M., M.S., F.R.C.S.

Oto-Rhino-Laryngology

Collier, Josephine, M.A., B.M.,
B.Ch. Oxon., F.R.C.S.

McLaggan, J. D., C.V.O., M.A.,
M.B., Ch.B. Aberd., F.R.C.S.,
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, Bacteriology

Crowley, Nuala F. T. Sr. Lectr.

Pathology, Chemical

Williams, Mrs. Christine, M.B.E.,
M.A. Camb., M.B., B.S.
Sr. Lectr.

Pathology, Morbid Anatomy

Stansfield, A. G., M.A., M.B.,
B.Chir. Camb. Sr. Lectr.

Pharmacology

Scarborough, Eleanor M., M.Sc.,
M.B., B.S. Reader.

Physics

Leyshon, Winifred A., B.Sc., Ph.D.
Sr. Lectr.

Physiology

Bond, Muriel, M.Sc. Sr. Lectr.
Killick, Esther M., M.B., Ch.B.,
M.Sc. Leeds Prof.

Radiology

Staveley, Dulcie C., M.B., B.S.

Surgery

Barnes, Josephine, D.M. Oxon.,
F.R.C.S.

Barry, Geraldine M., M.B., M.S.,
F.R.C.S.

Gray, C. H., M.B., Ch.B. Manc.,
F.R.C.S.

Johnson, H. D., M.A., M.B.,
B.Chir. Camb., 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 qualified to matriculate in the Univ. of Lond. 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 and its annexes at Lawn Road, Hampstead, and Liverpool Road, N.W.1, the Elizabeth Garrett Anderson and the Hampstead General Hospls., giving approx. 840 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.

LIBRARY. The books in the School and Hospl. libraries number about 7000, and small reference libraries are maintained in the Depts.

THE YEAR 1949-50

NEW POSTS. Univ. Readership in Anat. Asst. Lectureship in Physiol. Lectureship in Pathol.

NEW BUILDINGS. The new pre-clinical wing on the Hunter St. site now almost completed by the end of the session. The rebuilding of a section of the Pathol. Dept. at the Royal Free Hospital finished in January 1950.

RETIREMENTS. Miss G. Deansley, Gynæcologist, and Dr. Neill Hobhouse, Physician, at the Royal Free Hospital.

DEATH. Dr. Florence Louis, Lectr. in Forensic Pathol.

STUDENTS. Total : 457 ; full-time : 452 (17 men) ; pt.-time : 5 (2 men).

DEGREES. M.D., 9 ; M.B., B.S., 49 (1 Hons. Med.) ; M.B., B.Chir., 1.

ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE

Founded 1662

Postal Address : 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.

SUB-DEAN—E. G. TUCKWELL, M.Ch., F.R.C.S.

SECRETARY—C. E. MORRIS.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Evans, F. T., M.B., B.S.,
F.F.A.R.C.S.

Hewer, C. L., M.B., B.S.,
F.F.A.R.C.S.

Anatomy

Cave, A. J. E., M.D., D.Sc. Manc.,
F.L.S., F.R.A.I. Prof.

Butler, H., M.D. Camb. Reader.

Bacteriology

Garrod, L. P., M.D., B.Chir. Camb.,
F.R.C.P. Prof.

Biochemistry

Wormall, A., D.Sc. Leeds, F.R.I.C.
Prof.

Reeves, H. G., D.Sc., Ph.D.,
F.R.I.C. Sr. Lectr.

Chemistry

Town, B. W., Ph.D., F.R.I.C.
Sr. Lectr.

Children's Diseases

Harris, C. F., M.D., F.R.C.P.

Franklin, A. W., M.B., B.Chir.
Camb., F.R.C.P.

Dental Surgery

Hankey, G. T., O.B.E., T.D.,
F.D.S.

Dermatology

MacKenna, R. M. B., M.D. Camb.,
F.R.C.P.

Medicine

Black, K. O., M.D. Camb.,
F.R.C.P.

Bourne, G., M.D., F.R.C.P.

Christie, R. V., M.D. Edin.,
F.R.C.P., D.Sc. Prof.

Cullinan, E. R., M.D., F.R.C.P.

Gibb, W. E., D.M. Oxon., F.R.C.P.

Hayward, G. W., M.D., B.S.,
F.R.C.P.

Oswald, N. C., M.D. Camb.,
F.R.C.P.

Scott, R. Bodley, D.M. Oxon.,
F.R.C.P.

Scowen, E. F., M.D., F.R.C.P.

Reader.

Spence, A. W., M.D. Camb.,
F.R.C.P.

Turner, J. W. A., D.M., B.Ch.
Oxon., F.R.C.P.

Obstetrics and Gynæcology

Beattie, W. J. H. M., M.D., B.Chir.
Camb., F.R.C.S., F.R.C.O.G.

Fraser, D. B., B.M., B.Ch. Oxon.,
F.R.C.S.

Howkins, J., M.S., M.D., F.R.C.S.,
F.R.C.O.G.

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

Higgs, S. L., M.B., B.Chir. Camb.,
F.R.C.S.

Burrows, H. J., M.D., B.Chir.
Camb., F.R.C.S., F.R.A.C.S.

Oto-Rhino-Laryngology

Capps, F. C. W., F.R.C.S.

Jory, N. A., F.R.C.S.

Hogg, J. C., B.Chir. Camb.,
F.R.C.S.

Pathology

Blacklock, J. W. S., M.D. Glas.,
F.R.F.P.S.Glas. Prof.

Pharmacology

Buttle, G. A. H., M.A. Camb.
Prof.

Physics

Rotblat, J., D.Sc. Warsaw Prof.

Banks, T. E., Ph.D. Birm., F.I.P.
Sr. Lectr.

Physiology

Franklin, K. J., D.M., B.Ch. Oxon.,
D.Sc., F.R.C.P. Prof.

Psychiatry

Strauss, E. B., M.A., D.M. Oxon.,
F.R.C.P.

Radiology

Harper, R. A. K., M.B., F.R.C.P.
Ed., 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.

Kinmonth, J. B., M.S., F.R.C.S.
Reader.

McIndoe, Sir 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.Ch. 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 £5 : 5s. with an annual tuition fee of £54 : 12s.

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 1949-50

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.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	63	651
Women	6	102
Total	69	753

Included in the above are 51 postgraduate students and 108 first-year admissions.

DEGREES. M.B., B.S., 53; M.B., B.Chir. Camb., 15; B.M., B.Ch. Oxon., 17.

ST. GEORGE'S HOSPITAL MEDICAL SCHOOL

Founded 1752

Postal Address : 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.

VICE-DEAN—H. GORDON, M.C., B.A., M.B., B.Chir. Camb., F.R.C.P.

SECRETARY—S. A. WILLIAMSON.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Edwards, G., D.A. Sr. Lectr.
Johnson, E. F., M.B., B.S., D.A. Lectr.
Landau, E., D.A. Lectr.

Applied Anatomy

Nicol, T., M.B., Ch.B., D.Sc. Glas.,
F.R.C.S.Ed. Lectr.

Bacteriology

Elek, S. D., Ph.D., M.D., D.C.P.,
D.P.H. Reader.

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. Lectr.

Forensic Medicine

Teare, R. D., M.B., B.Chir. Camb. Lectr.

Hygiene and Public Health

Scott, J. A., O.B.E., M.D. Liv.,
D.P.H. Lectr.

Industrial Medicine

Chiesman, W. E., M.A. Camb.,
M.D., F.R.C.P. Lectr.

Medicine

Dow, J. F., B.A., M.B., B.Chir.
Camb., F.R.C.P. Lectr.
Gainsborough, H., M.A., M.D.
Camb., F.R.C.P. Sr. Lectr.
Hunter, M. I. A., M.D. Camb.,
F.R.C.P. Lectr.
Levick, C. B., M.B., Ch.B. Syd.,
F.R.C.P. Lectr.
Robson, K., M.A., M.D. Camb.,
F.R.C.P. Lectr.

Mental Diseases (Psychiatry)

Curran, D., M.B., B.Chir. Camb.,
F.R.C.P., D.P.M. Sr. Lectr.
Mallinson, Sir Paul, M.A., B.M.,
B.Ch. Oxon. Lectr.
Miller, E., M.A. Camb., F.R.C.P.,
D.P.M. Lectr.

Neurology

Williams, D. J., D.Sc., M.D. Manc.,
F.R.C.P. Lectr.

Neuro-Surgery

McKissock, W., O.B.E., M.S.,
F.R.C.S. Sr. Lectr.
Logue, V. D., M.B., B.S., F.R.C.S.
Lectr.

Obstetrics and Gynæcology

Kirwan-Taylor, H. G., M.A., M.B.,
B.Chir. Camb., F.R.C.S. Sr. Lectr.

Gwillim, C. M., M.D., F.R.C.P.,
F.R.C.S., F.R.C.O.G., D.P.H.
Lectr.

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

Ophthalmology

Duke-Elder, Sir Stewart, K.C.V.O.,
D.Sc., M.D. St. And., F.R.C.S.,
Ph.D. Sr. Lectr.

Bridgeman, The Hon. G. J. O.,
M.B., B.Chir. Camb., F.R.C.S.
Lectr.

Orthopædics

Burns, B. H., M.B., B.Chir. Camb.,
F.R.C.S. Sr. Lectr.

Young, R. H., M.B., B.Chir.
Camb., F.R.C.S. Lectr.

Oto-Rhino-Laryngology

Jory, P. J., D.S.O., M.B., Ch.B.
N.Z., F.R.C.S. Sr. Lectr.

Peacock, J. R., M.B., B.Chir.
Camb., F.R.C.S. Lectr.

Pædiatrics

Pinckney, C. P., M.A., M.B.,
B.Chir. Camb., F.R.C.P.
Lectr.

Pathology

Crawford, T., B.Sc., M.D. Glas.,
F.R.F.P.S. Glas. Prof.

Chalmers, J. N. M., M.D. Glas.,
D.P.H. Lectr.

Physical Medicine

Shields, D. C., B.M., B.Ch. Oxon.
Lectr.

Plastic Surgery

Blake, H. E., M.A., M.B., B.Chir.
Camb., F.R.C.S. Lectr.

Radiology

Cordiner, G. R. M., M.B., Ch.B.
St. And., D.M.R.E. Camb.
Sr. Lectr.

Bull, J. W. D., B.A., M.D. Camb.,
D.M.R. Lectr.

Radiotherapy

Richmond, J. J., M.B., B.S. Melb.,
D.M.R.E., F.R.C.S. Lectr.

Surgery

Burns, B. H., B.A., M.B., B.Chir.
Camb., F.R.C.S.

McKissock, W., O.B.E., M.S.,
F.R.C.S.

Marnham, R., M.A., M.Chir.
Camb., F.R.C.S.

Nicholls, M. F., C.B.E., M.A.,
M.Chir. Camb., F.R.C.S.

Riddell, V. H., M.A., M.D. Camb.,
F.R.C.S.

Siddons, A. H. M., B.A., M.Chir.
Camb., F.R.C.S.

Smith, E. R., M.S., F.R.C.S.

Anderson, H. F., M.B., B.Chir.
Camb., F.R.C.S. Lectr.

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 1949-50

NEW BUILDINGS. Work was begun on additional labs. for Hæmatol. and Chem. Pathol. Depts.

STUDENTS. Total, 157.

DEGREES. M.B., B.S., 13 ; M.B., B.Ch. Camb., 4 ; B.M., B.Ch. Oxon., 4 ; M.D., 2 ; M.D. Camb., 2.

ST. MARY'S HOSPITAL MEDICAL SCHOOL

Founded 1854

Postal Address : Paddington, W.2.*Telephone* : Paddington 3612.

PRESIDENT—THE EARL OF VERULAM, M.A., F.I.I.A.

DEAN—A. G. CROSS, M.A., M.D., F.R.C.S.

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., F.F.A.R.C.S.
Lloyd Owen, M. W., M.B., B.Ch.,
D.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.
Hughes, W. H., M.D., M.B., B.S.
Reader.
Himmelweit, H., M.D. Berlin,
Ph.D. (C.).*Biochemistry*Williams, R. T., D.Sc. Birm.,
Ph.D. Wales Prof.*Biology*Foster, C. L., M.Sc., Ph.D.
Reader.
Fisk, A., M.Sc. Lond. Lectr.
Cameron, E., Ph.D., D.Sc.
Asst. Lectr.*Chemistry*King, G., D.Sc., F.R.I.C.
Sr. Lectr.*Dental Surgery*Fish, E. W., C.B.E., M.D., Ch.B.,
L.D.S. Manc., D.D.S., D.Sc.,
F.D.S.R.C.S. (C.).*Dermatology*Heggs, G. B. M., O.B.E., M.D.,
B.S., F.R.C.P. (C.).*Medicine*Hunt, T. C., B.A., D.M. Oxon.,
F.R.C.P. (C.).
Pickering, G. W., M.A., M.B.
Camb., F.R.C.P. Prof.
Brooks, W. D. W., M.A., D.M.,
B.Ch. Oxon., F.R.C.P. (C.).
Litchfield, J. W., B.A., B.M.,
B.Ch., F.R.C.P. (C.).*Mental Diseases*James, G. W. B., C.B.E., M.C.,
M.D., B.S., D.P.M. (C.).*Neurology*Brinton, D. H., D.M., B.Ch. Oxon.,
F.R.C.P. (C.).*Obstetrics and Gynæcology*Bourne, A. W., M.A., M.B., B.Chir.
Camb., F.R.C.S., F.R.C.O.G. (C.).
Williams, L. H. W., M.D., M.S.,
F.R.C.S., F.R.C.O.G. (C.).

(C.) = Pt.-time Clinical Teacher.

- MacLeod, D. H., M.B.,
M.S., F.R.C.P., F.R.C.S.,
F.R.C.O.G. (C.).
- Ophthalmology*
Williamson-Noble, F. A., B.A.,
M.B., B.Chir. Camb., F.R.C.S.
(C.).
- Cross, A. G., M.A., M.D., B.Ch.,
F.R.C.S. (C.).
- 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.
Wilson, R. R., M.A., M.D., B.Chir.
Camb. Sr. Lectr.
Newmark, E., M.D., B.S., Lond.
Jr. Lectr.
- 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.
- Physics*
Rowlands, S., Ph.D. Liv. 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 (Diagnostic)*
Williams, E. R., M.D., D.M.R. & E.
Camb., F.R.C.P., F.F.R.
- Radiotherapy*
Hulbert, M. H. E., M.B., B.S.,
D.M.R.E.
- Surgery*
Handfield-Jones, R. M., M.C.,
M.B., M.S., F.R.C.S., F.R.E.S.
Wright, A. D., M.B., M.S.,
F.R.C.S., D.T.M. & H.
Porritt, A. E., C.B.E., M.A., B.M.,
M.Ch. Oxon., F.R.C.S.
Rob, C. G., M.C., M.A., M.B.,
M.Chir., F.R.C.S. Prof.
- Venereal Diseases*
McElligott, G. L. M., M.A. Oxon.
Jefferiss, F. J. G., L.R.C.P.

(C.) = Pt.-time Clinical Teacher.

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 Jan. Research Fellowships and many other prizes and scholps. are available.

PUBLICATION. *St. Mary's Hospital Gazette.*

THE YEAR 1949-50

STUDENTS. Full-time : 462.

DEGREES, ETC. B.M., B.Ch., 3 ; B.Sc., 6 ; Dip.Bact., 1 ; D.L.O., 1 ; D.R.C.O.G., 4 ; F.R.C.S., 10 ; M.B., B.S., 40 ; M.B., B.Ch., 12 ; M.D., 18 ; M.R.C.P., 2 ; M.Sc., 1 ; Ph.D., 3.

ST. THOMAS'S HOSPITAL MEDICAL SCHOOL

Founded in 13th century

Postal Address : 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.

MEDICAL SECRETARY—A. L. CROCKFORD, D.S.O., O.B.E., M.C., T.D.,
M.A., M.B., B.Chir. Camb.

APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*Low, W. A., M.C., M.B., B.S., D.A.,
F.F.A.R.C.S.Ryan, J. F., M.B., B.S.,
F.F.A.R.C.S., D.A.Wylie, W. D., M.A., M.B., B.Chir.
Camb.Nosworthy, M. D., M.A., M.D.
Camb., F.F.A.R.C.S.*Anatomy*Davies, D. V., M.A. Camb., M.B.,
B.S. Prof.*Bacteriology*

Hare, R., M.D., B.S. Prof.

Barber, Mary, M.D., B.S. Reader.

*Biochemistry*Young, Leslie, D.Sc., Ph.D.,
F.R.I.C. Prof.

Lowndes, J., F.R.I.C. Sr. Lectr.

Maw, G. A., Ph.D., B.Sc. Lectr.

*Biology*Rushton, W., D.I.C., Hon. D.Sc.
Ill. Sr. Lectr.Hamilton, A. G., B.Sc., B.Agr.
Belf., Ph.D. Sr. 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*Gardiner-Hill, H., M.B.E., M.A.,
M.D. Camb., F.R.C.P.Hilton, R., M.A., M.D. Camb.,
F.R.C.P.Goadby, H. K., M.A., M.D. Camb.,
F.R.C.P.

Jones, Evan, M.D., B.S., F.R.C.P.

Richardson, J. S., M.V.O., M.A.,
M.D. Camb., F.R.C.P.Harman, J. B., M.A., M.D. Camb.,
F.R.C.P., F.R.C.S.Anderson, H. J., M.B., B.Chir.
Camb.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*Wrigley, A. J., M.D., F.R.C.S.,
F.R.C.O.G.

Bowes, R. K., M.D., M.S., F.R.C.S.

Rickford, R. B. K., M.D., F.R.C.S.

Donald, I., B.A. Cape T., M.D.,
B.S. Reader.

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.

Furlong, R. J., M.B., B.S.,
F.R.C.S.

Oto-Rhino-Laryngology

Neilson, D. F. A., B.A. Camb.,
F.R.C.S.

Mill, W. A., M.S., F.R.C.S.

Bateman, G. H., M.A., B.M., B.Ch.
Oxon., F.R.C.S.

Pathology

Barnard, W. G., F.R.C.P. Prof.

John, R. W. Sr. Lectr.

Spencer, H., M.D., F.R.C.S.,
D.T.M. & H. Sr. Lectr.

Pathology, Chemical

Griffiths, W. J., B.Sc., Ph.D.

Prunty, F. T. G., M.A., M.D.
Camb., F.R.C.P. Reader.

Pharmacology and Therapeutics

Stacey, R. S., M.A., M.D. Camb.
Reader.

Physics

Brinkworth, J. H., D.Sc.
Sr. 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.

Plastic Surgery

Battle, R. J. V., M.B.E., M.A.,
M.Chir. Camb., F.R.C.S.

Psychiatry

Sargant, W. W., M.A., M.B.,
B.Chir. Camb., F.R.C.P.

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

Romanis, W. H. C., M.A., M.B.,
M.Chir. Camb., F.R.C.S.,
F.R.S.Ed.

Robinson, R. H. O. B., M.A., M.B.,
B.Chir. Camb., F.R.C.S.

Boggon, R. H., M.B., M.S.,
F.R.C.S.

Barrett, N. R., M.A., M.Ch.
Camb., 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.

Thoracic Disease

Barrett, N. R., M.A., M.Chir.
Camb., F.R.C.S.

Anderson, H. J., M.B., B.Chir.
Camb., F.R.C.P.

Venereal Diseases

Anwyl-Davies, T., M.D., F.R.C.P.

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 Univ. 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. or Anat. before proceeding to the clinical period.

THE YEAR 1949-50

NEW BUILDINGS. The reconstructed unit block of labs. and offices for the Professorial, Medical and Surgical units was completed.

RESIGNATIONS. Mr. C. G. Rob (Reader in Surg.), on appt. to Chair of Surg. at St. Mary's Hospital Medical School. Mr. J. B. Kinmonth, on appt. as Reader in Surg. and Surgeon to St. Bartholomew's Hospital.

STUDENTS. 469 (including 37 women) full-time.

DEGREES. M.B., B.S. Lond., 27 ; M.B., B.Chir. Camb., 15 ; B.M., B.Ch. Oxon., 2 ; M.D. Lond., 6 ; M.D. Camb., 4 ; D.M. Oxon., 1 ; B.Sc. (Hons. Physiol.) Lond., 3.

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., B.Chir. Camb., F.R.C.P.

VICE-DEAN FOR DENTAL STUDENTS — ALAN SHEFFORD, O.B.E., F.D.S.R.C.S.

SECRETARY—Major-General H. L. BIRKS, C.B., D.S.O.

APPOINTED AND RECOGNIZED TEACHERS

<i>Anæsthetics</i>		Harris, K. E., M.A., M.D., F.R.C.P.	Lectr.
Dawkins, C. J. Massey, M.A., M.D., D.A.	Lectr.	Hawksley, J. C., C.B.E., M.D., Ph.D., F.R.C.P.	Lectr.
<i>Bacteriology</i>		Morland, A., M.D., F.R.C.P.	Lectr.
Smith, W., M.D., F.R.S.	Prof.	Pochin, E. E., M.A., M.D., F.R.C.P.	Lectr.
<i>Chemical Pathology</i>		Pritchard, E. A. B., M.D., F.R.C.P.	Lectr.
Rimington, C., Ph.D., D.Sc.	Prof.	Rosenheim, M. L., M.A., M.D., F.R.C.P.	Prof.
<i>Clinical Pathology</i>		Stokes, J. F., M.D., F.R.C.P.	Lectr.
Maizels, M., M.D., F.R.C.P.	Prof.	<i>Mental Diseases</i>	
<i>Dermatology</i>		Dillon, F., M.D.	
Freudenthal, W., M.D. Breslau	Reader.	<i>Morbid Anatomy</i>	
Goldsmith, W. N., M.A., M.D., F.R.C.P.	Lectr.	Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S.	Prof.
<i>Forensic Medicine</i>		<i>Obstetrics and Gynæcology</i>	
Purchase, W. Bentley, M.C., M.A., M.B. Camb., D.P.H.	Lectr.	Flew, J. D. S., M.D., F.R.C.O.G.	Lectr.
<i>Hygiene and Public Health</i>		Nixon, W. C. W., M.D., F.R.C.S., F.R.C.O.G.	Prof.
Delafield, M. E., M.C., B.A., M.B., B.Chir., D.P.H. Camb.	Prof.	White, N. L., F.R.C.S., F.R.C.O.G.	Lectr.
<i>Medicine</i>			
Cowell, S. J., M.A., M.B., B.Chir. Camb., F.R.C.P. (Dietetics)	Prof.		
Dent, C. E., M.D., Ph.D.	Reader.		

Ophthalmology

Lecturers

Neame, H., F.R.C.S.
 Shapland, C. D., F.R.C.S.

Oto-Rhino-Laryngology

Lecturers

Formby, M. L., F.R.C.S.
 Wadge, Joan, B.S., F.R.C.S.
 Watkyn-Thomas, F. W., F.R.C.S.

Pædiatrics

Schlesinger, B. E., O.B.E., M.A.,
 M.D. Camb., F.R.C.P. Lectr.

Physical Medicine

Burt, H. A., M.B., B.Chir. Camb.
 Lectr.

Radiology

Hilton, Mrs. Gwen, B.Sc., M.B.,
 B.S., D.M.R.E. Lectr.

Shanks, S. Cochrane, M.D.,
 F.R.C.P., F.F.R. Lectr.

Surgery

Lecturers

Davies, D. R., M.S., F.R.C.S.
 Dudley-Buxton, J. L.,
 F.D.S.R.C.S. (Dental Sur-
 gery).
 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.
 Wolfe, H. R. I., M.S., F.R.C.S.

Veneral Diseases

Thomas, E. G., O.B.E., V.R.D.,
 M.D. Lectr.

GENERAL INFORMATION

The history of University College Hospital Medical School is closely bound up with the history of Univ. Coll. From the time of the opening of the Coll. in Oct. 1828, until its incorporation in the Univ. of London in 1907, the Fac. of Medicine was governed by the Corporation and Council of Univ. Coll.

Pursuant to Section 15 of the National Health Service Act, 1946, the School now has its own Charter of Incorporation and become a Body corporate, having a perpetual succession and a common seal.

The present Medical School bldgs. were erected in 1907 as the result of funds subscribed by Sir Donald Currie, and the School was admitted as a School of the Univ. in the Fac. of Medicine on Jan. 1, 1907.

The preliminary and intermediate medical studies are held at Univ. Coll.

LIBRARY AND MUSEUM. The General Library contains about 30,000 books, including text-books, books of reference and sets of medical periodicals. The Graham Library is a separate collection of books and periodicals, and contains complete sets of British, American, French and German journals of interest to the workers in many branches of Medicine. The Ratcliffe Crocker Library, which consists of a collection of Dermatological volumes, is housed in the Royal Society of Medicine Library, 1 Wimpole Street, London, W.1. The Museum of Pathol. Anat. (Curator: Prof. G. R. Cameron) contains a collection of Medical, Surgical, Obstetrical and Gynæcol. specimens. Microscopic sections of most of the specimens are available for the use of students.

FEES. For the complete Clinical Course, £165.

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 1949-50

STUDENTS. Total : 310 full-time (including 50 women).

DEGREES OBTAINED. M.B., B.S. Lond., 37; M.D. Lond., 15; M.D. Camb., 3; M.B., B.Chir. Camb., 18; B.M., B.Ch. Oxon., 15; Ph.D. Lond., 3.

UNIVERSITY COLLEGE HOSPITAL DENTAL SCHOOL

APPOINTED AND RECOGNIZED TEACHERS

<i>Anæsthetics</i>		Shefford, A. D. E., O.B.E., F.D.S.R.C.S.
Hudson, M. W. P., M.B., B.S., D.A.		Wright, J., A.F.C., H.D.D.Ed., F.D.S.R.C.S.
<i>Anatomy</i>		
Young, J. Z., M.A., F.R.S.	Prof.	<i>Medicine</i>
<i>Bacteriology</i>		Stokes, J. F., M.D., F.R.C.P.
Smith, W., M.D., F.R.S.	Prof.	<i>Pathology</i>
<i>Dental Surgery</i>		Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S. Prof.
Dudley-Buxton, J. L., F.D.S.R.C.S.		
Green, C. de V., F.D.S.R.C.S., D.D.S. Tor.		<i>Surgery</i>
Ince-Jones, A. K., F.D.S.R.C.S.		Matthews, D. N., O.B.E., M.Ch., F.R.C.S.
Schofield, J., F.D.S.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 1949-50

NEW BUILDINGS. A new Dept. to accommodate students studying Dental Mechanics and Prosthetics has been opened. By this expansion it is hoped to increase the annual student entry.

STUDENTS. Total : 39 men ; 15 women.

DEGREES. B.D.S. Lond., 6.

WESTMINSTER MEDICAL SCHOOL

Founded 1834

Postal Address : 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., F.R.C.P.

SECRETARY—W. R. MOULE, M.A. Camb.

APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*Magill, I. W., M.B., B.Ch. Belf.,
D.A.Organe, G. S. W., M.D. Camb.,
D.A., F.F.A.R.C.S.

Jarman, R., D.S.C., D.A.

*Bacteriology*Lacey, B. W., B.Sc., M.B., B.S.
Sr. Lectr.*Chemical Pathology*MacLagan, N. F., M.D., D.Sc.,
F.R.I.C. Prof.Wilkinson, J. H., B.Sc., Ph.D.,
F.R.I.C.*Clinical Pathology*Pulvertaft, R. J. V., O.B.E., M.D.
Camb., F.R.C.P. Prof.*Dental Surgery*Taylor, R. S., O.B.E., T.D., F.D.S.
Steadman, B.St. J., T.D., B.D.S.*Dermatology*Franklin, J. L., M.A., M.D. Camb.,
B.Ch.*Ear, Nose and Throat Surgery*Ashcroft, D. W., M.B., Ch.B. N.Z.,
F.R.C.S.*Hæmatology*

Humble, J. G. Sr. Lectr.

Medicine

Lloyd, W. E., M.D., F.R.C.P.

Meadows, S. P., B.Sc., M.D.,
F.R.C.P.Gavey, C. J., M.D., M.B., B.S.,
F.R.C.P.Hart, F. D., M.D. Edin., M.B.,
Ch.B., F.R.C.P.Lovibond, J. L., T.D., M.D.,
F.R.C.P.*Morbid Anatomy*Morgan, A. D., M.B., Ch.B. Aberd.
Sr. Lectr.

Lumb, G. D., M.D. Sr. Lectr.

*Obstetrics and Gynæcology*Goodwin, A., O.B.E., M.D., B.S.,
F.R.C.S. Eng. and Ed.Bell, A. C. H., M.B., B.S., F.R.C.S.,
F.R.C.O.G.Searle, W. N., M.B., Ch.B. N.Z.,
F.R.C.S.

Evans, A. B., F.R.C.S.

Ophthalmology

King, E. F., F.R.C.S.

*Orthopædics*Brockman, E. P., B.A., M.Chir.
Camb., F.R.C.S.

Harding, H. E., F.R.C.S.

Paediatrics

Anderson, I. M., M.D. Glas.

Levi, D., M.S., F.R.C.S.

Psychiatry

Garmany, G., M.B., Ch.B. Manc.,
D.P.M.

Public Health

Shinnie, A. J., O.B.E., M.D.
Aberd., Ch.B., D.P.H.

Radiology

Kerley, P. J., C.B.E., M.D.,
B.Chir. Camb., D.M.R.E.

Surgery

Cade, Sir S., K.B.E., C.B.,
F.R.C.S.

Thomas, C. P., F.R.C.S.

Lee, E. S., M.S., F.R.C.S.

Macnab, G. H., M.B., Ch.B. Edin.,
F.R.C.S.

d'Abreu, F. A., M.B., Ch.M. Birm.,
F.R.C.S.

Abel, A. L., M.S., F.R.C.S.

Raven, R. W., O.B.E., F.R.C.S.

Aylett, S. O., M.B.E., F.R.C.S.

ADMINISTRATIVE AND OTHER STAFF

CHAPLAIN. Canon C. Hildyard.

SUPERVISOR OF STUDENTS' HEALTH SERVICE. R. D. Tonkin, M.D.

MANAGERESS OF STUDENTS' HOSTEL. Mrs. K. M. Cordes.

GENERAL INFORMATION

HISTORY. Westminster Hospital was instituted in the year 1719, and incorporated by Act of Parliament in 1836. A Medical School has existed in Westminster since 1834, but was not brought into formal connexion with the Hospital until 1849. The new and enlarged School was completed in May 1939 in order to meet the demands of the latest developments in medical education.

CONSTITUTION. Westminster Medical School is a school of the University of London. Its government is vested in the governing body of the School called the Council.

FEEs. Entrance fee, 5 gs. ; annual tuition fee, £66 (including membership of the Students' Union).

SCHOLARSHIPS. Four Scholps., each of the value of £40 p.a. for 3 yrs., are awarded on the result of an examn. held in May of each yr. in First-Year subjects. 4 Scholps. of similar value are also awarded annually as the result of examns. in Anat. and Physiol. held in April and Sept. The winners of these Scholps. are eligible to apply to the Ministry of Education for a supplemental award, which is assessed in accordance with financial circumstances. The David de Souza Scholp. of the value of £40 p.a. is awarded on the results of an examn. in Applied Physiol. held in March ; the award is for 1 yr., for the special B.Sc. course in Physiol. after pre-clinical studies.

LIBRARY. The Library contains 4600 books and subscribes yearly to 99 journals and periodicals. There are 505 bound volumes of periodicals.

MUSEUM. The museum is specially designed to give a complete survey of modern medical science and contains over 3000 pathological specimens, of which 600 have been added in the last 4 yrs. The remainder have been remounted and the diagnosis and nomenclature adapted to modern concepts of disease.

TEACHING HOSPITALS. Students receive their clinical training in the hospitals of the Westminster Hospital Teaching Group, which consists of

Westminster Hospital, the Westminster Children's Hospital, the Gordon Hospital and All Saints' Hospital.

STUDENTS' RESIDENCE. There is a hostel for men students at Brabazon House, 5 Moreton Street, S.W.1, providing accomm. for some 70 students. Fees, £3 per week for a single room and £2 : 7 : 6 per week for a cubicle, with morning, evening and week-end meals.

STUDENTS' HEALTH SERVICE. There is a Students' Health Service and all students are seen on admission by the physician in charge.

ATHLETIC FACILITIES. The School's Sports Ground is at St. Ebba's Mental Hospital, Epsom. There are pitches for Rugby Union football, Association football, hockey and cricket.

STUDENTS' UNION. The Students' Union includes clubs covering the following activities : Rugby Union football, Association football, athletics, boating, cricket, lawn tennis, hockey, golf, fencing, squash racquets, badminton and sailing. The Refectory Committee, responsible to the Students' Union, is in charge of the School Refectory. The Union subscription is included in the annual tuition fee.

PUBLICATIONS. *Annual Prospectus.* *The Broadway* (students), four times a year.

THE YEAR 1949-50

RETIREMENTS. Mr. G. H. Macnab resigned from the Deanship in March 1950, to be succeeded by Mr. H. E. Harding, formerly Sub-Dean. Dr. F. D. Hart was apptd. Sub-Dean. Sir Arnold Stott, Sr. Physician and Pt.-time Dir. of Med.; Mr. G. T. Mullally, Sr. Surgeon and Pt.-time Dir. of Surg., and Mr. A. L. Attwater, Sr. Surgeon at All Saints' Hospital.

DEATHS. Dr. E. Dore, Dermatologist to Westminster Hospital; Dr. D. Robinson, Obstetric Physician to Westminster Hospital; Mr. A. Evans, Obstetric Surgeon.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	48	154
Women	1	11
Total	49	165

Included in the above are 49 postgraduate students and 61 first-year admissions.

DEGREES. M.B., B.S., 36.

OTHER DEVELOPMENTS. A course for the Final F.R.C.S. examination was instituted. The course, limited to 20 students, is held twice a year, beginning in Oct. and March. Fee, 50 gs.

POSTGRADUATE MEDICAL SCHOOLS

BRITISH POSTGRADUATE MEDICAL FEDERATION

Founded 1945

Postal Address (Central Office) : 3 Gordon Square, W.C.1.

Telegraphic Address : Britgramed, London.

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., M.A., D.Sc., LL.D., F.R.S.

DIRECTOR—Professor Sir FRANCIS R. FRASER, M.A. Camb., M.D., LL.D.
Edin., F.R.C.P.

ASSISTANT DIRECTOR—C. H. HAMILTON-TURNER, M.A., D.M., B.Ch.
Oxon.

SECRETARY OF CENTRAL OFFICE—A. YVONNE 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 Gynæ-
cology (OG.).

Institute of Ophthalmology (Oph-
thalmol.).

Postgraduate Medical School of
London (PM.).

Institute of Psychiatry (Psy.).

Children's Diseases

Moncrieff, A. A., M.B., F.R.C.P.

Prof. (CH.).

Dobbs, R. H., M.D. Camb.

Lectr. (CH.).

Evans, P. R., M.D., M.Sc. Manc.
F.R.C.P.

Lectr. (CH.).

Franklin, A. W., M.A., M.B.,
B.Ch. Camb., F.R.C.P.

Lectr. (CH.).

Lightwood, R., M.D., F.R.C.P.

Lectr. (CH.).

Schlesinger, B. E., O.B.E., M.A.,
M.D. Camb., F.R.C.P.

Lectr. (CH.).

Sheldon, W. P. H., M.D., F.R.C.P.

Lectr. (CH.).

Wilmers, Mary J., M.D.

Lectr. (CH.).

Medicine

McMichael, J., M.D. Edin.,
F.R.C.P.

Prof. (PM.).

Fraser, T. R., M.D. N.Z., D.P.M.
Reader (PM.).

Behrman, S., B.Sc. (Ophthalmol.)

Lectr.

Elliott, F. A., M.B., Ch.B. Cape
T., F.R.C.P. (Ophthalmol.)

Lectr.

Gavey, C. J., M.D., F.R.C.P.
(Ophthalmol.)

Lectr.

Meadows, S. P., B.Sc., M.D.,
Ch.B. Liv., F.R.C.P. (Oph-
thalmol.)

Lectr.

Scadding, J. G., M.D., F.R.C.P.
Lectr. (PM.).

Mental Diseases

Lewis, A. J., M.D., B.S. Adel.,
F.R.C.P. (Psychol.). Prof.

Stengel, E., M.D. Vienna (Psy-
chol.) Reader.

Lecturers (Psychol.)

Blacker, C. P., M.A., F.R.C.P.

Cameron, K., M.B., Ch.B.

East, Sir W. N., M.D., F.R.C.P.

Gillespie, W. H., M.D. Edin.

Hill, J. D. N., M.B., B.S., D.P.M.,
F.R.C.P.

Miller, E., D.P.M., F.R.C.P.

Scott, W. C. M., B.Sc., M.D. Tor.

Slater, E. T. O., M.A., M.D. Camb.,
F.R.C.P., D.P.M.

Obstetrics and Gynæcology

Browne, J. C. McC., B.Sc., M.B.,
B.S., F.R.C.S.Ed.

Prof. (OG.).

Arthure, H. G. E., M.D., B.S.,
F.R.C.S. Lectr. (OG.).

Bell, A. C. H., M.D., B.S.,
F.R.C.S., F.R.C.O.G.

Lectr. (OG.).

Blakley, J. B., M.B., B.S.,
F.R.C.S., F.R.C.O.G.

Lectr. (OG.).

Clayton, S. G., M.D., M.S.,
F.R.C.S. Lectr. (OG.).

Cook, F., B.Sc., M.B., B.S.,
F.R.C.S., F.R.C.O.G.

Lectr. (OG.).

Flew, J. D. S., M.D. Lectr. (OG.).

Gibberd, G. F., M.B., M.S.,
F.R.C.S., F.R.C.O.G.

Lectr. (OG.).

Goodwin, A., O.B.E., M.D., B.S.,
F.R.C.S. Lectr. (OG.).

Green-Armytage, V., M.D.,
F.R.C.O.G. Lectr. (OG.).

MacLeod, D. H., M.S., F.R.C.P.,
F.R.C.S., F.R.C.O.G.

Lectr. (OG.).

Rickford, R. B. K., M.B., B.S.,
M.D. Lectr. (OG.).

Roques, F. W., M.A., M.D., M.Chir.
Camb., F.R.C.S., F.R.C.O.G.

Lectr. (OG.).

Searle, W. N., M.B., Ch.B. Otago,
F.R.C.S. Lectr. (OG.).

Winterton, W. R., M.A., M.B.,
B.Chir. Camb., F.R.C.S.

Lectr. (OG.).

Ophthalmology

Lecturers (Ophthalmol.)

Cardell, J. D., M.B., B.S., F.R.C.S.

Cross, A. G., M.D., F.R.C.S.

Davenport, R. C., M.B., B.S.,
F.R.C.S.

Doggart, J. H., M.A., M.D. Camb.,
F.R.C.S.

Duke-Elder, Sir S., K.C.V.O.,
M.A., M.D., D.Sc. St. And.,
Ph.D., F.R.C.S.

Gimblett, C. L., M.D., F.R.C.S.

Goldsmith, A. J. B., M.B., B.S.,
F.R.C.S.

King, E. F., M.B., Ch.B., F.R.C.S.,
D.O.M.S.

Law, F. W., M.A., M.D. Camb.,
F.R.C.S.

Leigh, A. G., M.D., F.R.C.S.

Lister, A., M.B., B.Ch. Camb.,
F.R.C.S.

Lyle, T. K., M.Chir., M.D. Camb.

Moffatt, P. McG., M.D., M.R.C.P.,
F.R.C.S., D.O.M.S., D.P.H.

Milner, J. G., M.B., B.Ch.,
F.R.C.S.

Penman, G. G., M.D., F.R.C.S.

Philps., A. S., F.R.C.S.

Ridley, F. T., B.Sc., M.B., B.S.,
F.R.C.S.

Ridley, N. H. L., M.D., F.R.C.S.

Shapland, C. D., M.B., B.S.,
F.R.C.S.

Stallard, H. B., M.D.

Wolff, E., M.B., B.S., F.R.C.S.

Oto-Rhino-Laryngology

Ormerod, F. C., M.D., Ch.B.
Manc., F.R.C.S. Prof. (LO.).

Gill-Carey, C., F.R.C.S.
Lectr. (LO.).

Hogg, J. C., M.B., B.Chir., F.R.C.S. Lectr. (LO.).	Doniach, I., M.D. Lectr. (PM.).
Howells, G. H., M.B., B.S., F.R.C.S. Lectr. (LO.).	Klyne, W., M.A. Oxon., Ph.D. Edin. Lectr. (PM.).
Watkyn-Thomas, F. W., M.B., B.Chir. Camb., F.R.C.S. Lectr. (LO.).	<i>Physics</i> Clark, L. H. S., Ph.D. Lectr. (PM.).
<i>Pathology and Bacteriology</i> Dible, J. H., M.B., Ch.B. Glas., F.R.C.P. Prof. (PM.).	<i>Psychology</i> Eysenck, H. J., B.A., Ph.D. Reader (Psy.).
King, E. J., M.A. McM., Ph.D. Tor. (Chem. Pathol.) Prof. (PM.).	<i>Radiology</i> White, J. D., M.B., Ch.B. Edin., D.M.R.E. Lectr. (PM.).
Stamp, Lord, M.A., M.B., B.Chir. Camb. (Bacteriol.) Prof. (PM.).	Williams, E. R., M.D., F.R.C.P., F.F.R., D.M.R.E. Lectr. (OG.).
Meyer, A., M.D. Bonn (Neuro- pathol.) Prof. (Psy.).	<i>Surgery</i> Aird, I., M.R., Ch.M. Edin., F.R.C.S.Ed. Prof. (PM.).
Dacie, J. V., M.B., B.S. (Hæma- tol.) Reader (PM.).	Donald, C., O.B.E., M.D., Ch.M. Aberd., F.R.C.S. Lectr. (CH.).
Harrison, C. V., M.D., B.Sc. Wales (Morbid Anat.) Reader (PM.).	Heanley, C. L., M.A., M.B., F.R.C.S. Lectr. (LO.).
McIlwain, H., D.Sc., Ph.D. Durh. (Biochem.) Reader (Psy.).	Macnab, G. H., M.B., Ch.B. Edin., F.R.C.S. Lectr. (CH.).
Friedmann, I., M.D. Prague (Bac- teriol.) Reader (LO.).	

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, Institute of Neurology, Institute of Orthopædics. *Associated Institutes*—Institute of Diseases of the Chest, Institute of Cardiology, Institute of Dermatology, Institute of Urology, Institute of Dental Surgery.

The Postgraduate Medical School, the Institute of Psychiatry, the Institute

of Laryngology and Otology, the Institute of Child Health, Institute of Ophthalmology, Institute of Obstetrics and Gynæcology, Institute of Neurology and Institute of Orthopædics 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 includes 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 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.

PUBLICATIONS. *Annual Report and Handbook*; leaflets of information on postgraduate medical facilities in U.K.; various Institute *Prospectuses and Reports*.

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.Ed. 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.), and D. C. Bowie, O.B.E., M.B., Ch.B., F.R.C.S.Ed.

INSTITUTES OF THE FEDERATION

- (a) POSTGRADUATE MEDICAL SCHOOL OF LONDON, Ducane Road, Shepherd's Bush, W.12. (*Telephone*: Shepherd's Bush 1260.) (*Telegraphic Address*: Postgradmed Chisk, London.)
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.—which contains when fully opened 710 beds. There are three ten-week terms in the year when organized teaching is arranged daily from 9 A.M. to 4 P.M.; hospl. practice, available during vacation. Fees: £20 for one term, £35 for two, and £50 for three. 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 1949-50

NEW DEPARTMENT. Dept. of Biophys.

VISIT OF TEACHER FROM OTHER UNIVERSITY. Prof. F. M. Burnet (Melbourne).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. J. H. Dible, Rotterdam; Prof. J. McMichael to Switzerland and Scandinavia; Prof. E. J. King to Bratislava; Dr. H. Woodfield-Davies to Yugoslavia.

RESIGNATION. Dr. P. Wood (Lectr.), apptd. Dir. of Inst. of Cardiol.

DEATH. Col. W. H. Proctor, Emeritus Dean.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	5	277
Women	3	43
Total	8	320

(b) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, S.E.5). (*Telephone*: Rodney 2634.) *Dean*—D. L. Davies, M.A., D.M., D.P.M.

Associated with the Maudsley Hospital, Denmark Hill, and the Bethlem Royal Hospital. Admitted as a School of the Univ. in May 1924, and approved for recognition as a Federated Institute of the Federation in March 1948.

Clinical training continues throughout the year and includes seminars and case discussions; fees for this, including attendance at lectures and demonstrations, are 20 gs. for one term and 50 gs. for one year. Shorter or longer period of training by arrangement. Systematic clin. training is also 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.; fees for these are £12:12s. for 1 term, £31:10s. for 3 terms. Courses of instruction are held for psychiatrists, psychologists and postgraduate research students. There are facilities for research 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 1949-50

NEW POSTS. Readership in Psychiatry. Readership in Psychol. with special reference to Psychiatry. Title of Professor of Neuropathol. conferred on Dr. A. Meyer, M.D. Bonn.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. Carpenter (Pennsylvania); Prof. Le Gros Clark (Oxford); Prof. Folch-Pi (Harvard); Dr. E. Gellhorn (Minnesota); Dr. W. S. McCulloch (Illinois); Prof. J. B. Rhine (N. Carolina); Prof. R. W. Russell (Pittsburgh), Advanced Research Award, Fulbright Scheme.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. H. J. Eysenck held a visiting professorship at Univ. of Pennsylvania and lectured at a number of American Univs.; Dr. T. McLardy, res. and lecturing at Univ. of Illinois.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	50	40
Women	12	12
Total	62	52

- (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.

The Institute is associated with the Royal National Throat, Nose and Ear Hospital, and was founded in 1945 for the training of specialists and the prosecution of research in oto-rhino-laryngology. It was approved for recognition as a Federated Institute of the Federation in Jan. 1949. In addition to the daily clinical teaching which goes on throughout the year, the theoretical aspects of the specialty and of the basic sciences on which it is founded are covered by a comprehensive course of lectures and demonstrations lasting 8 mos. and held twice annually, commencing Feb. and Sept. Composite fee, including enrolment as clinical assistant, attendance on hospital practice and at one of the comprehensive courses, varies from £52:10s. for 8 mos. to £66:8s. for a year. An advanced revision course lasting 10-12 weeks is held twice yearly, commencing Feb. and Aug. Fee, £21. 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 1949-50

NEW BUILDING. Dept. of Clin. Photography.

NEW DEPARTMENT AND POSTS. A. P. Wernher, Deafness Research Unit (Medical Research Council); Chair of Laryngology and Otology; Assistant Director, Professorial Unit.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	24	43
Women	1	4
Total	25	47

- (d) INSTITUTE OF CHILD HEALTH (Hospital for Sick Children, Great Ormond Street, W.C.1). (*Telephone*: Holborn 2196.) *Dean*—G. H. Newns, M.D., F.R.C.P.

The Institute was founded in 1945 and is associated with the Hospital for Sick Children, Great Ormond Street, and the Queen Elizabeth Hospital for Children. 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 3 terms of 12 weeks each. Courses of lectures on special subjects are given each term. Fees, 3 mos., £21, 6 mos., £36 : 15s. A students' common room and reading room are provided.

THE YEAR 1949-50

VISIT BY TEACHER FROM OTHER UNIVERSITY. Dr. P. Sandblom (Stockholm) delivered the Alex. Simpson Smith Memorial Lecture for 1950.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. A. Moncrieff to Portugal.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	29	68
Women	10	38
Total	39	106

OTHER DEVELOPMENT. The Certificate of Incorporation under the Companies Act, 1948, was received from the Board of Trade in Oct. 1949.

(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. It was approved as a Federated Institute of the Federation from Oct. 1948. In addition to teaching by means of hospl. practice, a routine lecture and tutorial course lasting 18 weeks (covering two terms) is held twice a year, commencing in March and Oct. Part I consists of anat., embryol., histol., physiol., optics and elementary clin. instructn. Part II comprises bacteriol., pathol., operative surgery, medical ophthalmol. and all aspects of ophthalmic disease. Fee for each term, £26 : 5s. 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 1949-50

RESIGNATION. Miss Ida Mann (Lectr.), on proceeding to Perth, W. Australia.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	37	89
Women	11	12
Total	48	101

- (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.) *Director and Dean*—Charles D. Read, M.B., Ch.B. N.Z., F.R.C.S., F.R.A.C.S., F.R.C.O.G.

The Institute is associated with Queen Charlotte's Maternity Hospital, the Chelsea Hospital for Women and the Dept. of Obstetrics and Gynæcol. at the Postgraduate Medical School (*q.v.*). It was formed in 1948, and was approved for recognition as a Federated Institute of the Federation from Oct. 1949. It has 241 beds for Obstetrics and 172 for Gynæcol. Training is mainly by means of attendance on the hospl. practice, which is continuous throughout the yr. Courses of instruction, which include lectures and demonstrations, are held in 2 terms annually, commencing in Sept. and March; they are of 12 weeks' duration. Fees, £30 for 1 term; £55 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 1949-50

NEW POST. Director of the Institute.

RETIREMENT. Prof. J. Young.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	164	..
Women	61	..
Total	225	..

- (g) INSTITUTE OF NEUROLOGY (National Hospital, Queen Square, W.C.1). (*Telephone* : Terminus 7721.) *Dean*—Macdonald Critchley, M.D., F.R.C.P.

The Institute was formed in 1946, and was approved as a Federated Institute of the Federation as from Aug. 1950. It is associated with the National Hospital, Queen Square, where teaching has been going on since 1859, and the Maida Vale Hospital. At the National Hospital, clinical teaching continues throughout the year, and is by means of attendance on the hospl. practice. Clin. demonstrations are held twice a week. Two courses in neurology are held annually, commencing in Oct. and Jan. and are of 10 weeks' duration. These courses include instruction on the anatomy and physiology of the nervous system, methods of examination, neuropath. and psychol. med. as well as clin. neurol. Fee, £21. A course in neuro-surgery is held once a year, commencing May and lasting for 7 weeks. Fee, £21. Research facilities are available for advanced students. At the Maida Vale Hospital clinical teaching continues throughout the year and is composed primarily of ward rounds and attendance at outpatient clinics. Four courses in neurology are held annually, commencing in Oct., Jan., April and July. These are of 10 weeks' duration and comprise tutorials, neuropathological demonstrations, neuro-radiology and

electro-physiology. Fee, £21. Facilities are available for part-time students studying for special diplomas.

THE YEAR 1949-50

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. W. Penfield (Montreal); Dr. F. Kennedy (New York); Prof. G. H. Monrad-Krohn (Oslo); Dr. H. Tomasson (Iceland); Prof. J. A. Barre (Strasbourg); Prof. A. G. Weiss (Strasbourg); Dr. J. Haguénau (Paris); Prof. J. Morelle (Louvain); Dr. A. Torkildsen (Oslo); Prof. Olof Sjöqvist (Stockholm); Dr. A. Lima (Lisbon); Prof. J. Lhermitte (Paris); Prof. Sir J. Learmonth (Edinburgh); Dr. M. David (Paris); Prof. Th. Alajouanine (Paris); Dr. J. Van Bogaert (Anvers).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	174	124
Women	17	9
Total	191	133

ADDITIONAL DEVELOPMENT. The Inst. was inspected by the Senate and recognized as a Federated Inst. of the Federation from Aug. 1, 1950.

- (h) 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.S.

The Institute was formed in 1946, and is associated with the Royal National Orthopædic Hospital. Approved for recognition as a Federated Institute of the Federation from Jan. 1951. The practice of the central Hospital and the country branch at Stanmore is open to postgraduate students. In addition to hosp. practice, about five short advanced courses of a week to a fortnight are held annually. Fee, £7 : 7s. to £10 : 10s. Twice a year, in April and Sept., a short revision course in Adv. Clin. Orthopædics of a week's duration is held. Fee, £7 : 7s. Students should have previous surgical training and experience. Intensive education and training is provided for holders of junior hosp. posts, over a period up to 2 years, and selected postgraduates may go on to the Institute research appointments. Library facilities.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	70	..
Women	1	..
Total	71	..

- (i) INSTITUTE OF DISEASES OF THE CHEST (Brompton Hospital, S.W.3). (*Telephone* : Flaxman 3707.) *Dean*—J. G. Scadding, M.D., F.R.C.P.

The Institute, which was formed in 1946, is associated with the Hospitals for Diseases of the Chest (Brompton Hospital and the London Chest Hospital). Courses of study in chest disease, including tuberculosis, are conducted for ten weeks, three times a year, starting in Jan., April and Oct. A whole-time programme, intended for those specializing in chest disease, consists of attendance at clinical work at the two Hospitals, radiological and pathological demonstrations, discussions and formal lectures. The subject-matter of chest disease is covered during the two terms beginning Oct. and Jan. The summer term is arranged to form a more selective revision course. The fee for attendance at a whole-time course is £15 : 15s. per term. Facilities for part-time attendance are available for a larger number of graduates. The fee for this is £12 : 12s. for one term of ten weeks, and if vacancies exist for shorter periods, £5 : 5s. for one month. Two Refresher Courses lasting one week each are held each year, one at Brompton Hospital and one at the London Chest Hospital. A whole-time course in chest surgery is conducted during the two terms beginning Oct. and Jan. The fee is £15 : 15s. per term. Two-week courses in chest surgery and in anaesthesia for chest surgery are held twice yearly, in Sept. and April. Fee, £4 : 4s. Part-time instruction in radiology of the chest for trainee radiologists only is given each term. Fee, £10 : 10s. Library, Museum and Research facilities.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	102	23
Women	6	2
Total	108	25

- (j) INSTITUTE OF CARDIOLOGY (35 Wimpole Street, W.1). (*Telephone* : Welbeck 1896.) *Dean*—G. W. Hayward, M.D., F.R.C.P.

The Institute is associated with the National Heart Hospital and was formed in 1946. Training is provided by means of registrar appointments for physicians who intend to specialize in cardiol. and full-time instructn. for a period of 3 mos. for a limited number of selected postgrads. already trained in general med. but who do not wish to specialize in cardiol. Training includes clin. cardiol., electrocardiography and radiol. of the heart. The courses begin in Jan., April and Sept. 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 (in Feb., June and Nov.). Fee, £12 : 12s. Library, Museum and Research facilities.

THE YEAR 1949-50

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. I. Hill (Edinburgh) ; Dr. R. H. de Balsac (Paris) ; Prof. C. Bramwell (Manchester) ; Dr. Helen Taussig (Boston, Mass.).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Sir J. Parkinson to Canada; Dr. M. Campbell to Oxford and Bristol; Dr. W. Evans to Australia; Dr. D. E. Bedford to Egypt.

RESIGNATIONS. Dr. T. F. Cotton and Sir J. Parkinson (Lectrs.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	381	89
Women	11	24
Total	392	113

(k) 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.

The Institute was formed in 1946, and is associated with St. John's Hospital for Diseases of the Skin. 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; including series of clinical demonstrations designed for postgraduate students taking M.R.C.P. and other diplomas. Fees for these courses, £4:4s. and £10:10s. respectively. Clin. Assistantships are available for more advanced students. Library and Museum facilities.

THE YEAR 1949-50

NEW BUILDINGS. Students' Lab. and Library.

NEW DEPARTMENT. Mycol. Lab.

NEW POSTS. Dir. of Pathol.; Dir. of Mycol.; Asst. Mycologist.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	108	15
Women	2	1
Total	110	16

(l) INSTITUTE OF UROLOGY (St. Peter's and St. Paul's Hospitals, Henrietta Street, W.C.2). (*Telephone*: Temple Bar 9347.) *Director of Studies*—A. R. C. Higham, T.D., M.B., B.S., F.R.C.S.

The Institute was formed in 1946, and is associated with St. Peter's and St. Paul's Hospitals. Two courses of 14 weeks' duration held annually, commencing in March and Sept., include systematic lectures covering the whole subject of urology, out-patient sessions, ward visits, operation sessions and tutorial demonstrations. Fee per course, £18:18s. In addition, intensive revision courses of 2 weeks' duration suitable for students taking higher examinations are 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 2 months' courses commencing Oct. and May are held each year. These include clin. work, lab. instructn., lectures and demonstrations. Fee, £12 : 12s.

THE YEAR 1949-50

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Professor C. Wells (Liverpool) ; Dr. R. Lees (Leeds).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	40	6
Women	1	..
Total	41	6

(m) INSTITUTE OF DENTAL SURGERY (Eastman Dental Hospital, Gray's Inn Road, W.C.2). (*Telephone* : Terminus 8426.)
Dean and Director of Studies—F. C. Wilkinson, M.D., D.D.Sc., M.Sc., F.D.S.R.C.S.

The Institute is associated with the Eastman Dental Hospital and was formed in 1948. In addition to training by means of full and part-time appointments in the Institute, there are courses in Orthodontics (full and part-time, up to one year) and in Periodontia, Conservative Dentistry and Children's Dentistry (variable length, full and part-time). Courses are also held in conjunction with the Faculty of Dental Surgery of the Royal College of Surgeons and are particularly intended for candidates for the Fellowship in Dental Surgery of the College. These commence in April and Oct. (lasting one academic year, in preparation for both parts of the Fellowship). Fee, £63. In May and Nov., there are revision courses (lasting five calendar weeks, in preparation for the final examination). Fee, £26 : 5s. Research and library facilities.

THE YEAR 1949-50

NEW DEPARTMENTS AND POSTS. Orthodontic Dept., Lectr. ; Dept. of Dental Pathol., Sr. Lectr. ; Lectr. in Children's Dent.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. E. R. Granger (New York) ; Dr. P. Aufderheide (Cleveland, Ohio) ; Dr. H. D. Grubb (Cleveland, Ohio) ; Prof. L. Cahn (Cleveland, Ohio).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Mr. C. F. Ballard to Bristol and Durham ; Mr. W. G. Cross to Scandinavia.

RESIGNATION. Mr. A. C. Deverell, Dean of the Inst., apptd. Consultant to East Anglian Regional Hospital Board.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	73	8
Women	5	1
Total	78	9

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

(INCORPORATING THE ROSS INSTITUTE)

Founded 1924

Postal Address : Keppel Street (Gower Street), W.C.1.

Telegrams : Hygower, Westcent, London.

Telephone : Museum 3041.

CHAIRMAN OF THE COURT OF GOVERNORS—Sir COSMO PARKINSON,
G.C.M.G., K.C.B., O.B.E.

CHAIRMAN OF THE BOARD OF MANAGEMENT—Sir ARCHIBALD GRAY,
C.B.E., M.D., F.R.C.P., F.R.C.S.

DEAN—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.
Sr. Lectr.

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, F., D.M. Oxon. Reader.

Biochemistry

Raistrick, H., B.A., Sc.D. Camb.,
D.Sc. Leeds, F.R.I.C., F.R.S.
Prof.

Birkinshaw, J. H., D.Sc. Leeds,
F.R.I.C. Reader.

Clinical Tropical Medicine

Murgatroyd, F., M.D. Liv.,
F.R.C.P., D.T.M.
Wellcome Prof.

Entomology

Buxton, P. A., C.M.G., M.A.
Camb., D.T.M. & H., F.R.S.
Prof.

Bertram, D. S., Ph.D., D.Sc. Glas.
Reader.

Busvine, J. R., Ph.D., D.Sc.
Lectr.

Human Nutrition

Platt, B. S., C.M.G., M.Sc., M.B.,
Ch.B., Ph.D. Leeds Prof.

Medical Statistics

Hill, A. Bradford, C.B.E., Ph.D.,
D.Sc. Prof.

Reid, D.D., M.D. Aberd., Ph.D.
Reader.

Irwin, J. O., M.A., Sc.D. Camb.,
D.Sc. Lectr.

Martin, W. J., Ph.D., D.Sc. Lectr.
Roberts, J. A. Fraser, M.A., D.Sc.,
M.D. Edin., F.R.C.P. Lectr.

Parasitology and Helminthology

Shortt, H. E., C.I.E., M.D., D.Sc.
Aberd., F.R.S., D.T.M. & H.
Prof.

Buckley, J. J. C., D.Sc. Prof.
Garnham, P. C. C., M.D., D.P.H.
Reader.

Public Health

Mackintosh, J. M., M.A., M.D.,
LL.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.

Maule, H. G., M.A. Camb., Ph.D.
Lectr.

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. Lectr.

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.; (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, a library containing 33,260 bound volumes and 33,921 unbound pamphlets, and a field res. and animal breeding station at Winches Farm, near St. Albans. The Bureau of Hygiene and Tropical Diseases, which is governed by a Cttee. appointed by the Secretary of State for the Colonies, is housed in the School premises and publishes the *Bulletin of Hygiene* and *The Tropical Diseases Bulletin*. The School itself publishes a *Memoir Series* and the *Journal of Helminthology*; together with an *Annual Report*, and annual *Syllabus of Courses* and a *School Handbook*.

Student Health Association. Advantage has been taken of the students' medical service run by Univ. Coll. and those of the School's students who so wish may enrol as members of that service.

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 mos. each every year, designed for the D.T.M. & H. of the Conjoint Board. Fees, £40 for each course.

Certificate and Diploma in Public Health. The courses of study, commencing late Sept., 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 1949-50

BUILDING. Considerable progress was made towards the repair of the bomb-damaged wing of the School bldg. The new animal breeding station and some lab. accomm. were opened at the School's field station at Winches Farm, St. Albans.

VISITS. The Heath Clark Lectures for 1949 were delivered by Sir James Learmonth, Prof. of Surg., Univ. of Edinburgh. His subject was "The Contribution of Surgery to Preventive Medicine." The first of a new series of lectures, made possible by a bequest to the School by the late Sir Arthur Newsholme, was delivered during May 1950 by Sir Henry Cohen, Prof. of Med., Univ. of Liverpool: "The Clinical Contribution to Public Welfare." Prof. Raistrick lectured at the Univ. of Uppsala.

RETIREMENT. Dr. J. T. Duncan (Reader in Bacteriol. and Dir. of Sub-Dept. of Med. Mycol.).

RESIGNATIONS. Sir Neil Fairley from Chair of Clin. Tropical Med.; Dr. R. W. Riddell from Directorship of Sub-Dept. of Med. Mycol. on appt. as Bacteriologist to Brompton Hospital; R. J. Hoy from Sub-Librarianship on appt. as Deputy Librarian at School of Oriental and African Studies.

An Association of Old Students of the School was formed to whom copies of the Annual Report will be sent. It is hoped to have an open day and possibly an annual dinner. An old School tie has been designed and the colours registered.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	37	198
Women	7	42
Total	44	240

All the above are postgraduate students and 264 entered the School for the first time.

DEGREES, ETC. M.D. (Pathol.), 1; M.D. (Hygiene), 7; D.P.H., 41; D.T.M. & H. (Eng.), 65; Dip.Bact., 10; Ph.D. in Fac. of Med. (Non-Clinical), 3; M.Sc., 1; Ph.D. in Fac. of Sci., 5.

LISTER INSTITUTE OF PREVENTIVE MEDICINE *

Founded 1891

Postal Address : Chelsea Bridge Road, London, S.W.1.

Telegraphic Address : Bacteriology, Knights, London.

Telephone : Sloane 2181.

CHAIRMAN OF GOVERNING BODY—Sir HENRY H. DALE, O.M., G.B.E.,
M.D., F.R.C.P., F.R.S.

DIRECTOR—Sir ALAN N. DRURY, C.B.E., M.A., M.D., F.R.S.

SECRETARY—S. A. WHITE.

APPOINTED AND RECOGNIZED TEACHERS

Baddiley, J., M.Sc., Ph.D. (Chem.).	Macfarlane, Marjorie G., D.Sc.,
Drury, Sir Alan N., C.B.E.,	Ph.D. (Biochem.).
M.A., M.D. Camb., F.R.S.	McClellan, D., M.B., B.S. (Bacteriol.).
(Pathol.).	Morgan, W. T. J., D.Sc., Ph.D.,
Kekwick, R. A., D.Sc. (Biochem.-	F.R.I.C., F.R.S. (Reader in
Biophysics).	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 1949-50

STUDENTS. Total : 18 postgraduate students.

DEGREES. Ph.D., 6 ; M.Sc., 1.

* Not in receipt of U.G.C. grants.

ROYAL CANCER HOSPITAL *

Founded 1851

Postal Address : Fulham Road, S.W.3.*Telegraphic Address* : Cancer, South Kens., London.*Telephone* : Flaxman 0081-4.

CHAIRMAN OF BOARD OF GOVERNORS—SIR EDWARD CRIPPS.

VICE-CHAIRMAN OF BOARD OF GOVERNORS—D. E. H. GIBB.

HOUSE GOVERNOR AND SECRETARY—VICTOR H. PINKHAM.

APPOINTED AND RECOGNIZED TEACHERS

*Biochemistry*Boylard, E., D.Sc. Vict., Ph.D.
Prof.*Experimental Pathology*Haddow, A., M.D., D.Sc., Ph.D.
Edin. Prof.Horning, E. S., M.A. Oxon., D.Sc.
Melb. Reader.*Physics*Lamerton, L. F., M.Sc., Ph.D.,
F.Inst.P.Mayneord, W. V., D.Sc. Birm.,
F.Inst.P. Prof.*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 137 in-patients; also an Out-patients' Dept. There are, in addition, 19 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 1949-50

STUDENTS. Total: 18.**DIPLOMAS.** Diploma in Medical Radiology (D.M.R.), 4; Ph.D., 14.

* 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. (*Telephone*: 2814 and 2266.) Incorporated in the Univ. *Warden, and Principal of the Training Dept.*—A. J. Price, M.A. Oxon. *Vice-Principals of Training Dept.*—Dorothy M. E. Dymes, M.A., and E. A. Wheeler, O.B.E., M.Sc. (c) 79.

Training Department. Recognized by Ministry of Educn. as a Training Coll. Ordinary course—2 yrs., or for B.A. (General) or B.Sc. (General) degree—4 yrs. Lectrs.—40. Hostels provide accommodation for nearly all the women and some of the men students. Recognized Teachers—6 (v. *infra*)—Classics, Educn., Eng., Geog., Music.

School of Art (Day and Evening). Headmaster and 38 Assts. *Fees*: Day, £6 to £20; Evening, 12s. 6d. for any one sessional class and 5s. for each additional evening.

The Evening Department of Adult Education. Provides opportunities of non-vocational study for men and women. *Fees*: 12s. 6d. for any one sessional class and 5s. for each additional evening.

2. BATTERSEA POLYTECHNIC, Battersea Park Rd., S.W.11. (*Telephone*: Macaulay 1031.) (a) R. W. West, D.Sc., F.R.I.C. (b) Chem., Engin. (Civ., Elec., Mech. and Chem.), Maths., Metallurgy, Music, Physics. (c) 785.

3. CHELSEA POLYTECHNIC, Manresa Rd., Chelsea, S.W.3. (*Telephone*: Flaxman 5747.) (a) N. M. Lightfoot, M.A. (b) Bot., Chem., Geol., Maths., Pharm., Physics, Physiol., Zool. (c) 891.

4. COLLEGE OF ESTATE MANAGEMENT, St. Alban's Grove, W.8. (*Telephone*: Western 1546.) (a) S. J. Worsley, D.S.O., M.C., M.A. (b) Subjects for the Degree in Estate Management. (c) 153.

5. EAST MALLING RESEARCH STATION, East Malling, Kent. (*Telephone*: Maidstone 7294.) *Director*—F. R. Tubbs, M.A., Ph.D., M.Sc., D.I.C., F.L.S. (b) Appl. Bot., Pomol., Statistics, Plant Physiol., Chem. (in relation to fruit-growing), Plant Pathol., Entomol. For postgraduate research students only. (c) 11.

6. JEWS' COLLEGE, Woburn House, Tavistock Sq., W.C.1. (*Telephone*: Euston 3737.) (a) Rabbi I. Epstein, D.Lit., Ph.D. (b) Hebrew, Semitics. (c) 18.

7. JOHN INNES HORTICULTURAL INSTITUTION, Bayfordbury, nr. Hertford, Herts. (*Telephone*: Hertford 3191.) *Director*—C. D. Darlington, D.Sc., F.R.S. (b) Genetics and Cytology. (c) 7 (research only).

8. MARIA GREY TRAINING COLLEGE, 11 The Avenue, Brondesbury, N.W.6; 300 St. Margaret's Rd., Twickenham. (*Telephone*: Willesden 4121 and Popesgrove 2660.) (a) Mildred Cant, B.A. (b) Educn. (c) 29.

* Only the totals of those students pursuing internal degree courses of the University of London are given. The Institutions also provide other courses.

9. NATIONAL INSTITUTE FOR MEDICAL RESEARCH, The Ridgeway, Mill Hill, N.W.7. (*Telephone*: Mill Hill 3666.) Under the Medical Research Council. *Director*—Sir Charles Harington, Ph.D. Edin., M.A., Sc.D. Camb., F.R.S. (b) Bacteriol., Chem., Biochem., Chem. Pathol., Immunol. and Hygiene. For Research students only. (c) 8.

10. NORTHAMPTON POLYTECHNIC, St. John St., E.C.1. (*Telephone*: Clerkenwell 1662 and 5231.) (a) J. E. Richardson, Ph.D., B.Eng. (b) Engin. (Civil, Mech., Elec.), Chem., Maths., Metallurgy. (c) 901.

11. NORTHERN POLYTECHNIC, Holloway Rd., N.7. (*Telephone*: North 1686.) (a) T. J. Drakeley, D.Sc., Ph.D., F.R.I.C. (b) Bot., Chem., Geol., Zool., Maths., Physics. (c) 685.

12. ROTHAMSTED EXPERIMENTAL STATION, Harpenden, Herts. (*Telephone*: Harpenden 3621.) *Director*—Sir William Gammie Ogg, M.A. (b) Science (in its application to Agric.). For Research students only. (c) 52.

13. ROYAL ACADEMY OF MUSIC, Marylebone Rd., N.W.1. (*Telephone*: Welbeck 5461.) (a) R. S. Thatcher, O.B.E., M.C., M.A., D.Mus. (b) All branches of Music, theoretical and practical. (c) 13.

14. ROYAL COLLEGE OF MUSIC, Prince Consort Rd., S. Kensington, S.W.7. (*Telephone*: Kensington 3643.) *Director*—Sir George Dyson, M.A., D.Mus. Oxon., LL.D., F.R.C.M., F.R.C.O. (b) All Music subjects. (c) 11.

15. ROYAL INSTITUTION, 20-21 Albemarle St., W.1. (*Telephone*: Regent 0669 and 5716.) *Director of the Davy-Faraday Research Lab.*—Prof. E. N. da C. Andrade, Ph.D. Heid., D.Sc., F.Inst.P., F.R.S. (b) Phys. For Research students only. (c) o.

16. SIR JOHN CASS COLLEGE, Jewry St., Aldgate, E.C.3. (*Telephone*: Royal 3383.) (a) A. M. Ward, D.Sc., Ph.D., F.R.I.C. (b) Bot., Chem., Maths., Metallurgy, Physics. (c) 525.

17. TRINITY COLLEGE OF MUSIC, Mandeville Place, W.1. (*Telephone*: Welbeck 5773.) (a) W. Greenhouse Allt, Mus.D. (b) All subjects for the Musical and Arts (Music) degrees of London and other Univs. (c) 44.

18. WEST HAM MUNICIPAL COLLEGE, Romford Rd., Stratford, E.15. (*Telephone*: Maryland 4186.) (a) E. A. Rudge, M.Sc., Ph.D. (b) Chem., Engin. (Chem., Civil, Elec., Mech.), Maths., Physics. (c) 304.

19. WOOLWICH POLYTECHNIC, Thomas St., Woolwich, S.E.18. (*Telephone*: Woolwich 2856.) (a) J. S. Tait, Ph.D. (b) Engin. (Elec. and Mech.), Maths., Phys., Chem. (c) 662.

NAMES OF RECOGNIZED TEACHERS

<i>Bacteriology</i>	Pirie, N. W., M.A., F.R.S. (12).
Andrewes, C. H., M.D., F.R.C.P., F.R.S. (9).	Tattersfield, F., D.Sc. (12).
Miles, A. A., M.A., M.B. Camb., F.R.C.P. (9).	<i>Botany</i>
<i>Biochemistry</i>	Barnes, B. F., D.Sc., Ph.D., F.L.S. (3).
Harington, Sir Charles, M.A., Sc.D. Camb., Ph.D. Edin., F.R.S. (9).	Bawden, F. C., M.A. Camb. (12).
	Berkeley, C. J. A., B.Sc. (3).
	Darlington, C. D., D.Sc., F.R.S. (7).
	Duerden, H., Ph.D. (3).

- Mer, C. L., B.Sc., Ph.D., D.I.C. (16).
 Muir, A., Ph.D. Edin., B.Sc. (12).
 Tubbs, F. R., M.A., M.Sc., Ph.D., D.I.C., F.L.S. (5).
 Watson, D. J., Ph.D. Camb. (12).
- Chemistry*
 Allen, F. L., M.Sc., Ph.D., F.R.I.C. (18).
 Crowther, E. M., D.Sc. Leeds, F.R.I.C. (Soil C.) (12).
 Dippy, J. F. J., D.Sc. Wales (3).
 Drakeley, T. J., D.Sc., Ph.D., F.R.I.C. (11).
 Elton, G. A. H., Ph.D.
 Garside, J. E., M.Sc. Tech. Manc., Ph.D. (10).
 Gerrard, W., D.Sc., Ph.D., F.R.I.C., F.I.M. (11).
 Goss, F. R., D.Sc. (2).
 Hebdon, E. A. W., B.Sc. (3).
 Houston, A. H. J., M.Sc., Ph.D. (2).
 Jeffery, G. H., Ph.D. (19).
 King, H. J. S., Ph.D., D.Sc., F.R.I.C. (11).
 Lidstone, A. G., M.A. Camb., B.Sc. (16).
 Lindsey, A. J., M.Sc., Ph.D., F.R.I.C. (16).
 McGhie, J. F., B.Sc., Ph.D. (3).
 Roach, W. A., D.Sc., D.I.C. (5).
 Smith, C. G., B.Sc., Ph.D., F.R.I.C. (11).
 Smith, F. W., M.Sc. (11).
 Vogel, A. I., D.Sc., D.I.C. (19).
 Walker, J., D.Sc., Ph.D., D.Phil. (9).
 Ward, A. M., Ph.D., D.Sc., F.R.I.C. (16).
 West, R. W., D.Sc., F.R.I.C. (2).
- Classics*
 Handford, S. A., M.A. Oxon. (1).
- Cytology*
 Darlington, C. D., D.Sc., F.R.S. (7).
- Education*, v. also Music
 Bowman, Margaret E., M.A. Camb. (8).
- Cant, Mildred, B.A. (8).
 Dymes, D. M. E., M.A. (1).
 Feyer, Dorothy M., B.Sc., M.A., Ph.D. (8).
 Kaye, M., M.A., Ph.D. (1).
- Engineering, Chemical*
 Rudge, E. A., M.Sc., Ph.D. (18).
 Tailby, S. R., Ph.D. (2).
- Engin., Civil and Mech.*
 Ashworth, M. H., B.Sc. Manc. (19).
 Franklin, H. W., M.A. Camb. (10).
 Hamilton, K. W., B.Sc. (Eng.) (2).
 Oakden, J. C., M.A. Camb., M.Sc. Tech. Manc. (10).
 Oliver, H. C., B.Sc. (Eng.) (18).
 Peck, W. J., M.Sc. (Eng.) Sheff. (2).
 Robertson, S. A., B.Sc. (Eng.), B.Com. (2).
 Wilkins, R. J., M.Sc. (Eng.) (10).
- Engineering, Electrical*
 d'Ombraïn, G. L., Ph.D. (2).
 Freeman, G. F., M.Sc. (Eng.) (18).
 Mann, H. C., B.Sc. (Eng.) (2).
 Spencer, W. G., M.Sc. Tech. Manc. (19).
 Tait, J. S., Ph.D. Glas., B.Sc. (Eng.) (19).
- English*
 Evans, M., Ph.D. Camb. (1).
- Entomology*
 Massee, A. M., O.B.E., D.Sc. (5).
 Williams, C. B., M.A., Sc.D. Camb. (12).
 Potter, C., Ph.D., D.Sc., D.I.C. (12).
- Estate Management*
 Adkin, B. C., M.A. Camb., B.Sc. (Agric. and Forestry) (4).
 Beaufoy, L. A., Ph.D. (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. (7).

- Lewis, D., B.Sc. Reading, Ph.D. (7).
Geography
 Cons, G. J., M.A. (1).
Geology
 Fleet, W. F., M.Sc., Ph.D. (3).
 Jones, F., T.D., Ph.D., M.Sc., F.G.S. (11).
Mathematics
 Church, A. E. R., M.A., D.Sc. (16).
 Geary, A., M.A. Camb., M.Sc. (10).
 Hayden, H. A., B.Sc. Wales, D.Sc. (2).
 Littlejohn, E. S., M.Sc. Manc. (18).
 Lowry, H. V., M.A. Camb. (19).
 Ludlam, A. E., M.Sc. Birm. (3).
 Martin, E. S., B.Sc., Ph.D. (11).
 Rosenberg, R. L., Ph.D. Berl. (3).
Metallurgy
 Derry, L. W., B.Sc. Birm., M.Sc. Tech. Manc. (2).
 Singlehurst-Ward, L., B.Sc. (Eng.) Birm. (16).
Music
 Brockless, G. F., Mus.D. Durh., F.R.C.O. (2).
 Coates, H. J., M.A. Camb., Ph.D. (17).
 Dunwell, W., B.A. Leeds, Mus.B. Durh., F.R.C.O. (17).
 Durrant, F. T., B.Mus. Durh., D.Mus. (13).
 Howells, H. N., D.Mus. Oxon., F.R.C.O. (14).
 Jacob, G., D.Mus. (14).
 Latham, P. M. S., M.A., Mus.B. Oxon. (13).
 Lovelock, W., D.Mus. (17).
 Moule-Evans, D., D.Mus. Oxon. (14).
 Orrey, L. G., Mus.B. Durh., F.R.C.O. (1).
 Pritchard, A. J., D.Mus. Durh. (13).
 Regan, L. W. A., B.Mus. Oxon., F.R.C.O. (13).
 Rowley, A., F.R.C.O. (17).
 Sowerbutts, J. A., B.Mus., F.R.C.O. (13).
 Thiman, E. H., D.Mus. (13).
 Webber, W. S. L., D.Mus., F.R.C.O. (14).
Pedagogy, v. Education
Pharmacy and Pharmacognosy
 Morton, C., B.Sc. Lond. (3).
Physics
 Andrade, E. N. da C., Ph.D. Heid., D.Sc., F.Inst.P., F.R.S. (15).
 Bate, A. E., Ph.D., M.Sc., F.I.P. (18).
 Freeman, L. J., B.Sc., Ph.D., D.I.C. (3).
 George, W. H., M.Sc., Ph.D. (3).
 Heath, H. R., Ph.D. Birm. (2).
 Humphry, R. H., M.Sc. Birm., F.Inst.P. (16).
 Marsh, S., D.Sc. Wales, Ph.D. Gött. (2).
 Schofield, R. K., M.A., Ph.D. Camb., F.I.P. (12).
 Smith, D. H., Ph.D. (19).
 Swaine, W., B.Sc. Manc., F.I.P. (10).
 Symons, A. S. M., B.Sc., Ph.D., D.I.C. (11).
Physiology and Pharmacology
 Feldberg, W. S., M.A. Camb., M.D. Berl., F.R.S. (9).
Plant Pathology
 Harris, R. V., D.Sc. (5).
Plant Physiology
 Vyvyan, M. C., M.A. Camb., D.Sc. (5).
Pomology
 Rogers, W. S., M.A. Camb., D.Sc. (5).
Semitic Languages
 Epstein, I., D.Lit., Ph.D. (6).
 Zimmels, H. J., D.Phil. Vienna (6).
Soil Bacteriology
 Thornton, H. G., B.A. Oxon., D.Sc., F.R.S. (12).

Statistics

Hoblyn, T. N., Hort. Dip. (5).
 Yates, F., Sc.D. Camb., F.R.S. (12).

Zoology

Brown, Eleanor M., B.Sc. (3).
 Butler, C. G., M.A., Ph.D. Camb. (12).

Etherington, D., M.Sc. (11).
 Goodey, T., O.B.E., D.Sc. Birm.,
 F.R.S. (12).
 Hentschel, C. C., M.Sc. (3).
 Parkes, A. S., Sc.D. Camb., D.Sc. (9).
 Potter, C., D.Sc. (12).

VICTORIA UNIVERSITY OF MANCHESTER*

Founded 1880

Manchester, 13.

Telephone : Manchester, Ardwick 2681.

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. and Camb.,
D.Sc. Leeds, M.D., LL.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 WYTHENSHAW, OF
DIDSBURY, M.A. Camb., LL.D.

TREASURER—Sir E. RAYMOND STREAT, C.B.E.

DEPUTY TREASURER—.....

REGISTRAR—V. KNOWLES, M.A.

BURSAR—R. A. RAINFORD, M.A.

PRESENTER OF HONORARY GRADUANDS—Prof. T. W. MANSON, M.A.
Camb., D.Litt. Glas., D.D. Glas., Durh. and Camb., Dr. de Stras.,
M.A., F.B.A.

LIBRARIAN—M. TYSON, M.A., Ph.D.

TEACHING STAFF

Accounting

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.

Jones, M. A., B.A. Oxon.

Asst. Lectr.

Anatomy and Histology

Mitchell, G. A. G., O.B.E., T.D.,
M.B., Ch.M., D.Sc. Aberd.,
M.Sc.

Prof. and Dir. of Labs.

Cooper, Eugenia R. A., D.Sc.,
M.D. (Histol.) Reader.

Adult Education, v. Education

American Studies

..... Prof.
Cunliffe, M. F., M.A., B.Litt. Oxon.
Lectr.

Lecturers
Patterson, E. L., B.Sc., M.D.
(Anat.).

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

Ashley, G. T., B.Sc., M.B., Ch.B.
(Anat.).

Warwick, R., B.Sc., M.B., Ch.B.
(Anat.).

Gray, E. D. (v. also *Radiology*)
(Radiol. Anat.).

Assistant Lecturers

Samuel, E. P., M.D.

Weisl, H., M.B., Ch.B.

Wilkinson, J. L., M.B., Ch.B.

Clinical Demonstrator

Williams, A. F., B.Sc., M.B.,
Ch.B., F.R.C.S.

Demonstrators

Lacy, P. B., M.B., Ch.B.

Smith, V. H., M.A., M.B., B.Chir.
Camb.

Stott, D. B., M.B., Ch.B.

Anthropology, v. also Social An- thropology

Sayce, R. U., M.A. Wales and
Camb., M.Sc. Hon. Lectr.

Arabic, v. Semitic Studies

Architecture

Cordingley, R. A., M.A., F.R.I.B.A.
Prof. and Dir. of School.

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.

Altham, C. J., Dip.Arch.

Ledgar, F. W., Dip.T.P. (Town
and Country Planning).

Keeble, L. B., M.C., B.Sc. Lond.
(Town and Country Plan-
ning).

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 Prac-
tice).

Johnson, Albert, M.Sc. Durh.,
F.R.San.I., F.I.S.E. (Engin.
for Town Planning).

Leeming, E. L., M.Sc.Tech. (Sur-
veying for Town Planning).

Turner, R. B., Dip.Arch., Dip.T.P.
(Arch. for Town Planning).

Asst. Lecturers

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.

Rosenau, Helen, Dr.phil. Ham-
burg, Ph.D. Lond.

Asst. Lectr.

Banking

..... Drummond-Fraser Lectr.

Botany

Harland, S. C., D.Sc. Lond., F.R.S.
George Harrison Prof.
and Director of Bot.
Labs. and Experimen-
tal Grounds.

Wardlaw, C. W., Ph.D., D.Sc.
Glas., M.Sc. (Cryptogamic B.)
Barker Prof.

Sr. Lecturers

Howarth, W. O., D.Sc.

Calder, Mary G., B.Sc., Ph.D.
Glas.

Street, H. E., B.Sc., Ph.D. Lond.

Warne, L. G. G., M.Sc., Ph.D.
Brist. (Hortic.).

Lecturers

Greig-Smith, P., M.A. Camb.

Dormer, K. J., B.Sc., Ph.D. Lond.

Wareing, P. F., B.Sc., Ph.D. Lond.

Allsopp, A., M.Sc., Ph.D. (Crypto-
gamic B.).

Legge, Betty J., B.Sc. Birm.
(Mycol.).

Lind, Edna M., B.Sc., Ph.D. Liv.
Sp. Lectr.

Asst. Lecturers

McGonagle, Moira P., B.Sc., Ph.D.
Glas.

Carr, D. J., B.Sc.

Plack, R. L., B.Sc. Lond.

Curry, J., M.D. (Dermatological
Mycol.).

Harris, G. P., B.Sc. (Hort.) Lond.
(Econ. B.).

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.

Longuet-Higgins, H. C., M.A.,
D.Phil. Oxon. (Theoret.
Chem.) Reader.

Sr. Lecturers

Campbell, C., D.Sc.

Asst. Dir. of Chem. Labs.

Burkhardt, G. N., M.Sc., Ph.D.,
F.R.I.C.

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.

Szwarc, M. M., Ph.D. Jerusalem,
Ph.D., D.Sc. Sp. Lectr.

Simpson, J. C. E., D.Sc., Ph.D.
Liv. (Org. Chem.)

Hon. Sp. Lectr.

Asst. Lecturers

Higginson, W. C. E., M.A., D.Phil.
Oxon.

Hush, N. S., M.Sc. Syd.

Smith, G. F., Ph.D. St. And.,
M.Sc.

Russell, K. E., B.A., Ph.D. Camb.

Trowse, F. W., B.Sc. Leeds.

Meakins, G. D., B.A., B.Sc.,
D.Phil. Oxon.

Farrar, Mrs. 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.

Huxley, H. H., M.A. Camb. (Latin)
Sr. Lectr.

Kerferd, G. B., B.A. Melb., M.A.
Oxon. 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.

Herrington, 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.

Coptic

Till, W., Dr.phil. Vienna
Sr. Lectr.

Crystallography

Buckley, H. E., D.Sc. Sr. Lectr.

*Dentistry, v. infra**Economics and Commerce*Lewis, W. A., B.Com., Ph.D. Lond.,
M.A. (Pol. Econ.)

Stanley Jevons Prof.

Redford, A., M.A., Ph.D.

(Econ. Hist.) Prof.

Devons, E., M.A. (App. Econs.)

Robert Ottley 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.

Stark, W., Dr. rer. pol. Hamburg,
Dr. jur. Prague, M.A. Edin.
(Hist. of Econ. Thought)

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.) Sr. Lectr.Koenigsberger, H. G., M.A., Ph.D.
Camb. (Econ. Hist.) Sr. Lectr.Turner, H. A. F., B.Sc. (Econ.)
Lond. (Indust. Relns.) Lectr.Coppock, D. J., B.A. (Econ.)
(Econs.) Asst. Lectr.Vitkovitch, B., B.A. (Econ.)
(Econs.) Asst. Lectr.Low, J. McI., B.Sc. (Econ.)
Lond. (Econs.) Asst. Lectr.*Education, v. infra**Education of the Deaf, v. infra,*
Education (p. 351)*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.
Kilburn, T., M.A. Camb., Ph.D.

Sr. Lectr.

Lecturers

Higham, J., M.Sc.

Asst. Dir. of Labs.

Piggott, L. S., M.Sc. (Eng.) Lond.

Litting, C. N. W., B.Sc.

West, J. C., B.Sc.

Hardy, D. R., M.Sc. (Eng.) Lond.

Havekin, T., Ph.D. Birm., B.Sc.

Sp. Lectr.

Laithwaite, E. R., M.Sc.

Asst. Lectr.

Demonstrators

Rawlinson, E., B.Sc.

Harlen, F., B.Sc. Sheff.

*Engineering, v. also Technol.*Matheson, J. A. L., M.B.E., Ph.D.
Birm., M.Sc.Beyer Prof. and Dir. of
Whitworth Labs.

Mason, C. M., T.D., M.Sc.

Clifton Sr. Lectr. and
Asst. Dir. of Engin.
Labs.Mathieson, R., B.Sc. Lond., Ph.D.
Glas. Sr. Lectr.

Lecturers

Spooner, J. R., M.Sc. Tech.

Standing, B., M.Sc.

Alderman, J. K., M.Sc.

O'Sullivan, J. K., M.Sc.

Buckingham, F., B.Sc. Lond.

Sp. Lectr.

Assistant Lecturers

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., C.B.E., M.A.,
Litt.D. Leeds, Dr. de Dijon,
M.A. (E. Lit.) Taylor Prof.
Brook, G. L., B.A., Ph.D. Leeds,
M.A.

(E. Lang and Mediaev. E.
Lit.) 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, Mrs. Ida L., B.A., Ph.D.
Leeds (E. Lang.).

Cox, R. G., M.A., Ph.D. Camb.
(E. Lit.).

Lees, F. N., B.A. (E. Lit.).
Hanson, C., M.A. Sheff. (E. Lit.).

Oliver, Mrs. Annabella M., B.A.
Oxon., M.A. Edin. (E. Lit.)
Sp. Lectr.

Asst. Lecturers

Bailes, J. Ll., M.A. Leeds.

Pollard, A., B.A. Leeds.

Leslie, R. F., B.A.

Fluid Motion

Mair, W. A., M.A. Camb.
Director of Lab.

Attree, V. H., B.Sc. (Eng.) Lond.
Lectr.

Johannesen, N. H., M.Sc., Dr.
techn. Copenhagen
Asst. Lectr.

French Studies

Vinaver, E., M.A., D.Litt. Oxon.,
D. ès L. Paris, M.A. (Fr. Lang.
and Lit.) Prof.

Mansell Jones, P., M.A. Wales and
Camb., B.Litt. Oxon. (Mod.
Fr. Lit.) Prof.

Crump, Phyllis E., M.A. Lond.,
M.A. 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.

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.

Saunders, F. W., M.A.

Young, Margaret L. M., M.A.
St. And., L. ès L. Paris.

Bourde, A. J., L. ès L., Dip. d'E.S.
Aix-Marseille, Ph.D. Camb.
(Fr. Hist. and Institutions).

Sfeir, J. C., L. ès L., Dip. d'E.S.
Paris, M.A.

(Fr. Poetry) Sp. Lectr.

Chiari, J., L. ès L., Dip. d'E.S.
Aix-Marseille Sp. Lectr.

Asst. Lecturers

Evans, H. G. J., B.A., Ph.D.
Lond.

Gaudon, J. A. M., L. ès L. Paris.

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.

Rodgers, H. B., M.A. Lectr.

Mellor, R. E. H., B.A.
Asst. Lectr.

Geology, Palæont., and Petrol.

Deer, W. A., Ph.D. Camb., M.Sc.
Prof. and Dir. of Labs.

Straw, S. H., D.Sc. Lond.
(Palæont.) Reader.

Calder, Mary G., B.Sc., Ph.D.
Glas. Sr. Lectr.

Nicholls, G. D., B.A., Ph.D. Camb.
(Petrol.) Lectr.

Morton, E., M.Sc.
(App. Geol.) Sp. Lectr.

Lawson, J. D., B.Sc. Asst. Lectr.

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. Sr. Lectr.

Flack, G., B.A. Leeds, Ph.D.

Lectr.

Luke, F. D., M.A., D.Phil. Oxon.

Lectr.

Kerry, S. S., B.A. Lectr.

Rohl, Mrs. Freda K., B.A. Lond.

Sp. Lectr.

Russell, Zoë L., M.A. Glas.

Asst. Lectr.

Government and Administration

Mackenzie, W. J. M., M.A. Oxon.,
LL.B. Edin. Prof.

Collier, Frances, M.A. (Soc.
Admin.) Reader.

Lecturers

Spann, R. N., M.A. Oxon. (Govt.).

Grundy, J., B.A., B.A. (Admin.)
(Govt.).

Birch, A. H., B.Sc. (Econ.) Lond.
(Govt.).

Rodgers, Mrs. Barbara N., M.A.
Oxon. (Soc. Admin.).

Rodgers, A. B. L., B.Sc. (Econ.)
Lond. (Soc. Admin.).

Asst. Lecturers

Campbell, P. W., B.A. Oxon.
(Govt.).

Grove, J. W., B.Sc. (Econ.) Lond.
(Govt.).

Donnison, D. V., B.A. Oxon. (Soc.
Admin.).

Wimperis, Virginia d'A., B.A.
Camb. (Soc. Admin.). Asst.

Hebrew, v. *Semitic Studies*,
Theol.

Histology, v. *Anat.*, *Physiol.*,
Pathol.

History, v. also *Econ.*, *Theol.*

..... (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.,
F.B.A. (Mediæval H.) Prof.

Redford, A., M.A., Ph.D. (Econ.
H.) Prof.

Willan, T. S., M.A., B.Litt.,
D.Phil. Oxon. Reader.

Stark, W., Dr. rer. pol. Hamburg,
Dr. jur. Prague, M.A. Edin.

(Hist. of Econ. Thought)

Reader.

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.
H.) Sr. Lectr.

Koenigsberger, H. G., M.A., Ph.D.
Camb. (Econ. H.) Sr. Lectr.

Tupling, G. H., M.A., B.Sc., Ph.D.
Lond. (Local H.) Sp. Lectr.

Lecturers

Robson, E., M.A.

Pennington, D. H., M.A. Oxon.

Rodewald, C. A., M.A. Oxon.

Hargreaves, J. D., M.A.

Stone, E., M.A. Oxon.

Desborough, V. R. d'A., M.A.,
B.Litt. Oxon.

Bourde, A. J., L. ès L., Dip. d'E.S.
Aix-Marseille, Ph.D. Camb.

(Fr. H. and Institutions).

Beckingham, C. F., M.A. Camb.
(Islamic H.).

Asst. Lecturers

Sykes, Marjorie H., M.A. Oxon.,
B.D., Ph.D.

Ward, W. R., B.A. Oxon.

Horticulture, v. *Botany**Italian*

..... Prof.

Speight, Kathleen, M.Litt. Camb.,
Dott. Lett. Florence, M.A.

Sr. Lectr.

White, D. M., 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.
Street, H., LL.M., Ph.D., Sr. Lectr. and Tutor for Articled Clerks.

Lecturers

Blank, D., LL.B.
Bromley, P. M., M.A. Oxon.
Hesling, Edith, O.B.E., LL.B.
Hornby, J. A., M.A., LL.B. Camb.
Shepherd, F. C., LL.B.
Sidebotham, H., LL.M.
Townes, F. W., LL.M.
Driver, J. E., LL.M. (Roman L.) Hon. 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., M.Sc.
(Mathl. Statistics) Prof.
Mahler, K., Ph.D. Frankfurt-am-Main, D.Sc., F.R.S. Reader.

Sr. Lecturers

Camm, G. L., M.A., D.Phil. Oxon.
Neumann, B. H., Dr.phil. Berl., Ph.D. Camb.

Lecturers

Illingworth, C. R., B.A. Camb.
Friedlander, F. G., B.A., Ph.D. Camb.
Lederhmann, 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.
Stone, A. H., M.A. Camb., Ph.D. Princet.

Wild, E., M.A. Camb.
Levine, S., M.A., Ph.D. Tor.
Jones, D. S., M.B.E., M.A. Oxon.
Hilton, P. J., M.A., D.Phil. Oxon.
Moyal, J. E. (Mathl. Statistics).

Asst. Lecturers

Kahn, F. D., M.A., D.Phil. Oxon.
Wall, G. E., B.Sc. Adel.
Green, J. A., B.Sc. St. And.
Glauert, M. B., M.A. Camb.
Dowker, Mrs. Yael N., M.A. Johns H., Ph.D. Radcliffe.
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. Semitic Studies, Theol.

Metallurgy and Metallography, v. also Technol.

Thompson, F. C., B.Sc. Lond., D.Met. Sheff., M.Sc.
Prof. and Dir. of Labs.

Lecturers

Jones, E. O., B.Sc. Lond. (Non-Ferrous Metall.).
Axon, H. J., B.Met. Sheff., D.Phil. Oxon. (Electro-Metall.).
Entwistle, K. M., M.Sc., Ph.D.
Cranston, J. P., B.Sc. Glas.
Berry, B. S., M.Sc. 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., M.A., Mus.B. Camb.
Lectr.

Horsfall, B., Mus.B. Durh., Mus.D.
Asst. Lectr.

Knowles, C. Asst. Lectr.

Near Eastern Archaeology

Rowe, A. Sp. 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.

Asst. Lecturers

Henry, D. P., B.A. Leeds.

Alexander, H. G., M.A. Aberd.,
B.A. Oxon.

Gilman, E., B.A. Oxon.

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, M.Sc.
(Theoret. Phys.) Prof.

Kopal, Z., D.Sc. Prague (Astron.)
Prof.

Lovell, A. C. B., O.B.E., B.Sc.,
Ph.D. Brist., F.I.P.

(Radio-Astron.) Prof.

Wilson, J. G., M.A., Ph.D. Camb.,
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.

Rochester, G. D., M.Sc., Ph.D.
Durh., F.I.P.

Lecturers

Butler, C. C., B.Sc., Ph.D. Read-
ing.

Clegg, J. A., B.Sc., Ph.D.

Owen, B. G., B.Sc. Wales, Ph.D.

Elliot, H., M.Sc., Ph.D.

Newth, J. A., B.A. Camb., B.Sc.
Lond.

Ramsey, W. H., B.Sc. Belf., Ph.D.
Brist.

Wilcock, W. L., B.Sc., Ph.D.

Davies, J. G., M.A. Camb.

Podolanski, J., Dr.phil. Jena
(Theoret. Phys.).

Sutherland, G. A., M.A. Camb.

Sp. Lectr.

Meredith, W. J., M.Sc., F.I.P.
(Radiol. Phys.) Hon. Lectr.

Assistant Lecturers

Holmes, J. E. R., B.Sc., Ph.D.
Birm.

Hyams, B. D., B.Sc. Chic.

Davies, Mrs. Nora, M.Sc., Ph.D.

Goldsack, S. J., B.Sc. Durh., Ph.D.

Barker, K. H., B.Sc.

Mylroi, M. G., B.A. Camb., Ph.D.

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
Dir. of Labs.

Lecturers

Kendal, L. P., Ph.D. Camb., M.Sc.
(Physiol. Chem.).

Morgan Jones, A., M.Sc., M.B.,
Ch.B., F.R.C.P. (App. P.).

Mills, J. N., M.A., B.Sc., D.M.
Oxon., M.D. Camb. (Human
P.).

Griffiths, D. Ll., M.B.E., B.Sc.,
M.B., Ch.B., F.R.C.S.
(App. P.) Hon. Asst. Lectr.

Oleesky, S., M.Sc., M.B., Ch.B.
Hon. Asst. Lectr

Demonstrators

Longson, D., M.B., Ch.B.
Bradley, K., M.Sc. (Exp. P.).
Finney, R. S. H., B.Sc. Lond.
(Physiol. Chem.).

Psychology

..... Prof.
MacNeill, Florence E., M.A., B.Ed.,
Ph.D. Edin. Lectr.
Jahoda, G., M.Sc. (Econ.) Lond.
(Soc. Psych.) Lectr.
Kenna, J. C., M.A. Calif., B.A.
Syd., B.Ed. Melb. (Clinical
Psychol.) Lectr.
Kitching, E. H., M.D. Leeds,
D.P.M. Sp. Lectr.
Hansel, C. E. M., B.A. Camb.
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,
M.A. Sir William Mather Prof.
Davies, Duklida, B.A. Moscow
Sp. Lectr.
Dumbreck, J. C., M.A. Glas.
Asst. Lectr.

Scandinavian Studies

Riesenfeld, A. Karin, fil. kand.
Stockholm, M.A. S. Carolina
Asst. Lectr.

Semitic Studies, v. also Theol.

Rowley, Rev. H. H., M.A. Brist.,
B.Litt. Oxon., D.D. Lond.,
Durh. and Wales, Theol. D.
Uppsala, M.A., F.B.A.
(Hebrew Lang. and Lit.)
Prof.
Fish, T., Ph.D. Camb. (Mesopo-
tamian 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. (Semitic Langs. and
Lits.) Lectr.
Beckingham, C. F., M.A. Camb.
(Islamic Hist.) Lectr.
Abdelmeguid, A. A., B.A. Lond.,
Ph.D. Cairo (Arabic)
Sp. Lectr.
Kensdale, W. E. N., B.A. Oxon.
(S. Arabian Epigr.) Sp. Lectr.

Social Anthropology

Gluckman, H. M., B.A. Rand.,
M.A., D.Phil. Oxon. Prof.
Colson, Florence E., M.A. Minn.
and Radel., Ph.D. Radel.
Sr. Lectr.

Social Studies

Polanyi, M., D.Sc. Princeton and
Leeds, M.D., Ph.D. Budapest,
M.Sc., F.R.S. Prof.

Spanish and Portuguese Studies

Rees, J. W., M.A. Oxon., B.A.
Wales Reader.
Meana, L., Ldo. en L., Dr. de la
Univ. Madrid Lectr.
Tapp, Mrs. Florence M. M., M.A.
Edin. Lectr.
Raventós, Mrs. Margaret H., M.A.
Edin. Sp. Lectr.
Tate, R. B., M.A. Belf. Asst. Lectr.
Wilson, Winifred M. D., M.A.
Camb. Asst. Lectr.
Álvarez, M., Ldo. en L. Valladolid
Asst.
Hodcroft, F. W., M.A. 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.

Brown, F. J., M.Sc. Birm.

Sr. Lectr. and Asst. Dir.
of Labs.

Lecturers

Butler, P. M., B.A., Ph.D. Camb.,
B.Sc. Lond.

Popham, E. J., Ph.D., D.Sc. Lond.

Iles, E. J., B.Sc., Ph.D. Brist.

Blower, J. G., M.Sc.

Harker, Janet E., M.Sc. Syd.,
Ph D. Asst. Lectr

Demonstrators

Peel, Mrs. Edna D., B.Sc.

MacGill, Elsie I., M.Sc.

Richards, Kathleen S., B.Sc.

*Dentistry**Anæsthesia*

Dinsdale, T., M.B., Ch.B., D.A.
Lectr. and Demr.

Children's Dentistry and Preventive Dentistry

Miller, J., B.D.S., L.D.S. Lectr.

Armstrong, Mrs. Constance A.,
B.D.S., L.D.S. Asst. Lectr.

Andrew, Pamela, L.D.S. Demr.

Dental Anatomy and Physiology and Dental Histology

Monks, F. T., M.Sc., F.D.S.R.C.S.,
L.D.S. Lectr.

Turner, E. P. Demr.

Dental Prosthetics and Dental Mechanics

Matthews, E., M.Sc., Ph.D.
Lond., M.Sc., D.D.S., D.I.C.,
F.D.S.R.C.S. (Prosthetic D.)
Prof. and Dir. of Dept.

Atkinson, H. F., M.B.E., M.Sc.,
D.D.S., L.D.S. (Prosthetic
Lab. Technique) Sr. Lectr.

Lecturers

Saunsbury, P., M.Sc., L.D.S.
(Clin. Prosthetics).

Milne Gall, A. J. (Clin. Prosthetics).

McIntyre, H., M.B., Ch.B., B.D.S.,
L.D.S. (Clin. Prosthetics).

Asst. Lecturers

Graham, Mrs. Estelle P. M., L.D.S.
(Prosthetic Lab. Technique).

Tyldesley, W. R., M.Sc. (D. Ma-
terials).

Dental Radiology

Derbyshire, K., L.D.S.
Clin. Lectr.

Dental Surgery

..... Prof.
Cooke, C., F.D.S.R.C.S., L.D.S.
Sr. Clin. Lectr.

Clin. Lecturers

Bennison, H.

Lewis, P. R., B.D.S., L.D.S.

Parsonage, F. H.

Peacock, J. N., L.D.S.

McKenzie, J. S., L.D.S.

Cartledge, D. H., B.D.S., L.D.S.,
F.D.S.R.C.S.

Cocker, G., L.D.S.

Lecturer

Benson, J. K. H., B.D.S., L.D.S.,
F.D.S.R.C.S.

Asst. Lecturer

Tyas, Mrs. Katharine J., B.D.S.,
L.D.S.

Demonstrator

Berry, Barbara M. A., B.D.S.,
L.D.S.

Medicine

Luxton, R. W., B.Sc., M.D.
Lectr. and Clin. Lectr.

Operative Dentistry

Holt, J. K., D.D.S. N.-W. Chicago,
M.Sc., L.D.S., F.D.S.R.C.S.
Reader.

Lecturers

Rowbotham, T. C., B.D.S., L.D.S.
Cartledge, D. H., B.D.S., L.D.S.,
F.D.S.R.C.S.

Oral Surgery

Ashcroft, G., L.D.S., F.D.S.R.C.S.
Sr. Clin. Lectr.
Janes, B. V., F.D.S.R.C.S., L.D.S.
Lectr.
Seeley, E. H., L.D.S. Lectr.
Moule, A. W., B.D.S., L.D.S.,
F.D.S.R.C.S. Sp. Lectr.
Marsden, J. L., F.D.S.R.C.S.,
L.D.S. Demr.

Orthodontia

Hartley, D. T., L.D.S. Lectr.
Wild, N., M.Sc., L.D.S. Lectr.
Mills, J. R. E., L.D.S., F.D.S.R.C.S.
Asst. Lectr.

Parodontia

Harrington, J., B.D.S., L.D.S.
Lectr.
Prophet, A. S., D.D.S., L.D.S.,
Dp.Bact. (D.Bact.) Lectr.

Surgery

Scotson, F. H., M.B., B.S. Lond.,
M.B., Ch.B., F.R.C.S.
Lectr. and Clin. Lectr.

Education

v. also School of Education, *infra*

Adult Education

Waller, R. D., M.B.E., M.A.
Prof.
Legge, C. D., B.A. Lond. Lectr.

Education

Oliver, R. A. C., M.A., B.Ed.,
Ph.D. Edin., M.A.
Sarah Fielden Prof. and
Dir. of Dept.
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, Mrs. Eleonore L., M.A.
Nesbitt, J. E., M.A. Belf.
Coulthard, Edith M., M.A. Oxon.
Morris, N., M.A. Oxon.
Hollins, T. H. B., M.A. Camb.
Coltham, Mrs. Jeannette B., 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, Mrs. Ida.
Black, E. L., M.A. Camb.
Haworth, Joyce, M.A. Leeds.
Warburton, F. W., B.A. Reading,
M.A., Ph.D. Lond. (E.
Psychol.).
Clarke, Mary G., M.A. Camb. and
Dub., LL.D. Aberd.

Sp. Lectr.
Grant, Dorothy M. Sp. Lectr.
Claypole, Mrs. Barbara M. (Speech
Trg.) Asst. Lectr.
Harrison, D. F. (Speech Trg.) Asst.
Middleton, Edith (Gardening)
Instr.

Education of the Deaf

Ewing, A. W. G., M.A. Edin.,
Ph.D.
Ellis Llwyd Jones Prof.
and Dir. of Dept.
Watson, T. J., M.C., M.A., Ph.D.
Edin. Sr. Lectr.

Lecturers

Carlill, Eleanor L., B.A.
Pickles, Aileen M., B.A.
Williamson, Marion B., M.A. Glas.
Moseley, Mrs. Nora H.
Kendall, D. C., B.A. Camb.
Leverhulme Lectr.
John, J. E. J., B.Sc. Wales
(Audiol.) Asst. Lectr.

Physical Education

Harper, R. St. G. T., M.A. Oxon.
Sr. Lectr. and Dir. of
Dept.

Lecturers

Clarke, Winifrid S., M.Sc.
Steel, W. L., M.A., Ed.B. Glas.
Daniel, Joyce R.
McNair, D.
Gayford, Anne M. Asst. Lectr.

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., Ph.D., 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., Dp.Bact. Lectr.

Asst. Lecturers

Preston, N. W., M.B., Ch.B.,
Dp.Bact.
Perkins, F. T., M.Sc., Ph.D.
(Chem. Bacteriol.).
Tobin, Mrs. Barbara M., B.Sc.
Reading, Dp.Bact. Demr.

*Cardiology, v. Medicine**Child Health, v. also Obstet. and
Gynæcol.*

Gaisford, W. F., M.D. Lond.,
M.Sc., F.R.C.P. (C.H. and
Pædiatrics) Prof. and Dir. of
Dept.

Lecturers

Holzel, A., M.D. Prague, D.C.H.
Fisher, T. N., M.B., Ch.B., D.P.H.
Guthrie, Mrs. Sylvia K., M.D.
Thomson, M. L., M.A., M.D.
Aberd., F.R.C.P.
Komrower, G. M., M.B., Ch.B.
Patterson, W. H., M.D. Belf.,
D.C.H.

Hon. Clin. Lecturers

Bolton, N. W., B.Sc., M.B., Ch.B.,
F.R.C.S.
Cavanagh, Mrs. Florence, M.B.,
B.S. Melb., B.Sc., D.L.O.,
F.R.C.S.Ed.
Guthkelch, A. N., M.A., M.Ch.
Oxon., F.R.C.S.
Haxton, H. A., M.D., Ch.M. St.
And., F.R.C.S.
Heslop, T. S., M.B., Ch.B.,
F.R.C.S.
Wolman, B., M.D., D.C.H.
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.

*Hæmatology, v. Medicine**Infectious Diseases*

Yule, J., M.D. Glas., D.P.H. Edin.
and Glas. Clin. Lectr.

Liddle, D. C., M.B., Ch.B. Glas.
Clin. Lectr.

*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.

Kellgren, J. H., M.B., B.S. Lond.,
F.R.C.P., F.R.C.S.

(Clin. Director of Rheu-
matism Research
Centre) Reader in
Rheumatic Disease.

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.

Milne, M. D., B.Sc., M.D.

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.).

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

Snow, P. J. D., M.B., Ch.B.
(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 Tech-
nique) Demr.

Neurology

Ferguson, F. R., M.D., D.P.H.,
F.R.C.P. Reader.

Smyth, G. G. E., M.D., F.R.C.P.
(Med. Neurol.) Lectr.

Liversedge, L. A., M.D. Duke,
B.A., B.Sc., M.B., Ch.B.
(Med. Neurol.) Lectr.

Neurology, Experimental

Stopford, Sir John, Sc.D. Dub. and
Camb., D.Sc. Leeds, M.D.,
LL.D., F.R.C.P., F.R.S. Prof.

Neuro-Surgery, v. Surgery

*Obstetrics and Gynæcology, v. also
Child Health*

Morris, W. I. C., M.B., Ch.B. Edin.,
F.R.C.S.Ed., F.R.C.O.G.

Prof. and Dir. of Dept.

Clinical Lecturers

Bailey, K. V., M.C., M.D.,
F.R.C.O.G.

Hunter, J. W. A., M.D. Edin.,
F.R.C.O.G.

Gerrard, E. A., M.D., F.R.C.O.G.

Newton, R., M.D., F.R.C.O.G.

Lecturers

Dickson, W. P. G., M.B., Ch.B.
Glas.

Langley, F. A., M.Sc., M.B., Ch.B.
(Gynæcol. Pathol.)

Hartley, J. B., M.D. Durh.,
D.M.R.E. Camb. (Radiol.)
Sp. Lectr.

Asst. Lecturers

Rickards, C. E. B., M.B., Ch.B.

Racker, D. C., M.B., Ch.B.,
F.R.C.S.Ed.,

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.

Heron, A., Dip.Psych. Lond.,
M.Sc.

Murray, R., B.Sc., M.B., Ch.B.
Glas., D.P.H.

Logan, R. F. L., M.D. Belf.
Hon. 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.

Smith, J. L. S., B.A., M.B.,
B.Chir. Camb., D.O.M.S.

(Ophthalmic Pathol.)

Asst. Lectr.

Naylor, E. J., M.Sc. Tech. (Oph-
thalmic Optics) Res. Asst.

*Orthopædic Surgery, v. Surgery**Otolaryngology, v. Surgery*

Pathology and Path. Anat., v.
also Obstetrics and Gynæ-
col., Ophthalmol. and Surg.

Campbell, A. C. P., M.B., Ch.B.
Edin., F.R.C.P.Ed. (Pathol.
and P. Anat.) Procter Prof.

Baker, S. L., Ph.D., D.P.H. Lond.,
M.Sc. (Pathol. Director of
Rheumatism Research Centre)
(Osteo-Pathol.) Prof.

Whitehead, R., D.Sc., M.D.

Reader.

Lecturers

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.

Burne, J. C., M.A., M.B., B.Chir.

Camb.

Yates, P. O., M.B., Ch.B.

Woodcock, A. S., M.B., Ch.B.
Leeds (Gynæcol. Pathol.).

Smith, J. L. S., B.A., M.B., B.Chir.

Camb., D.O.M.S. (Ophthal-
mic Pathol.).

Demonstrators

Daber, K. S., M.B., Ch.B.

Smith, J. P., M.B., Ch.B.

Lodge, Kathleen V., M.B., Ch.B.

Strich, Sabine J., B.M., B.Ch.
Oxon.

*Pharmacology, Mat. Med., Thera-
peutics and Pharmacy*

Macdonald, A. D., M.A., M.D.
Edin., M.Sc. (Pharmacol.,

Mat. Med. and Therapeutics)

Leech Prof.

Brindle, H., B.Sc. Lond., M.Sc.,
F.R.I.C. (Pharmacy) Prof.

Bullock, K., M.Sc., Ph.D., F.R.I.C.
(Pharmaceut. Chem.) Reader.

Lecturers

Bedford, T. H. B., M.Sc., M.B.,
Ch.B. Leeds, D.Sc. (Phar-
macol.)

Roberts, Ivy, M.Sc. (Pharmacy).

Melville, C., B.Pharm. Lond.,
Ph.D. (Pharmacy).

Rigby, G. J., B.Sc. Lond., M.Sc.,
Dp.Bact. (Pharmacy).

Jackson, H., M.Sc., M.B., Ch.B.,
Ph.D. (Exper. and Radiation
Therapeutics) Hon. Lectr.
Asst. Lectrs.

Rawlins, E. A., M.Sc. (Pharmacy).

Carless, J. E., B.Pharm. Lond.,
M.Sc. (Pharmacy).

Demonstrators in Pharmacy

Shaw, G., B.Pharm. Lond.

Hall, J. P.

Woodhead, H. B., M.Sc.

Bellis, D. M., B.Sc.

Physio-Therapy, v. Medicine

Preventive Medicine, v. 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.

Trethowan, W. H., M.A., M.B.,
B.Chir. Camb., D.P.M.

Markowe, M., M.D., D.P.H. Lond.,
D.P.M.

Crowe, P. M., M.B., Ch.B., D.P.M.
(Mental Diseases).

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).

Kenna, J. C., M.A. Calif., B.A.
Syd., B.Ed. Melb. (Clin.
Psychol.).

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. (Psychi-
atric Social Workers Course).

Ledermann, Mrs. Ruth S. (Psychi-
atric Social Workers Course).

Hamilton, Marian W., B.A. Lond.
and Oxon. (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. Clin. Lectr.

Tod, Margaret C., M.B., Ch.B.
Edin., F.R.C.S.Ed., F.F.R.

Clin. 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.

Rheumatic Disease, v. Medicine
and Pathology

Social and Preventive Medicine

Brockington, C. F., M.A., M.D.,
D.P.H. Camb.

Prof. and Director of
Dept.

Lecturers

Gawne, S. C., M.D. Lond., D.P.H.
Liv., D.C.H. (Pub. Health
Admin.).

Brown, C. Metcalfe, M.D. Glas.,
D.P.H., F.R.San.I. (Prev.
Med.).

Johnson, Albert (v. also *Archit.*)
(San. Engin.).

Surgery

Boyd, A. M., M.B., B.S. Lond.,
M.Sc., F.R.C.S.

Prof. and Dir. of Dept.

..... (Neurological S.) Prof.

..... (Orthop. S.) Prof.

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., M.B.E., 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, G. K., M.B., Ch.B.,
F.R.C.S. (Neuro-Surg.).

Johnson, R. T., O.B.E., M.A.,
M.B., B.Chir. Camb., F.R.C.S.
(Neuro-Surg.).

Pollak, E. (also *Pathol.*) (Neuro-
Pathol.).

Griffiths, D. Ll., M.B.E., B.Sc.,
M.B., Ch.B., F.R.C.S. (Ortho-
pæd. S.).

Charnley, J., B.Sc., M.B., Ch.B.,
F.R.C.S. (Orthopæd. S.)

Clin. Lectr.

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. (Ortho-
pæd. S.) Hon. Clin. Lectr.

Lawson, H. P., F.R.C.S.Ed.,
D.L.O. (Otolaryngol.).

Harrison, K., M.B., Ch.B., D.L.O.,
F.R.C.S. (Otolaryngol.).

Young, N. A. J., M.B., Ch.B.,
F.R.C.S.Ed. (Dis. of Ear,
Nose and Throat).

Wilson, D. S. P., M.A., M.B.,
M.Ch., B.A.O. Dub., F.R.C.S.,
F.R.C.S.I. (Urological S.).

Wright, J. K., B.Sc., M.B., Ch.B.,
F.R.C.S. (Orthopæd. S.)

Asst. Lectr.

Bloor, K., M.B., Ch.B. Res. Asst.

Surgical Pathology, v. Surgery

Tuberculosis

Trayer, H. G., B.A., M.B., B.Ch.,
B.A.O. Dub., D.P.H.

Clin. Instr.

Venereal Diseases

Lees, R., M.D. Edin., 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, Mrs. Eliz. C., M.Sc., M.B.,
Ch.B.

Mumford, P. B., M.D., F.R.C.P.

Technology

.....

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.
Merchant, W., M.A. Oxon., S.M.
M.I.T. (App. Mech.). Reader.
Wilson, A. V., M.Sc. Tech.
Sr. Lectr.

Lecturers

McDonald, J. R. A.
Dilworth, R.
Bowles, R. E., B.Sc. Tech.
Garrett, C. H., B.Sc. Tech.
Stirrup, N.
Barnes, V. C.
Boucher, C. T. G.
Thomas, N. (Structl. Eng.).
Morris, W., B.Sc. (Eng.) Lond.
McMinn, S. J., M.Eng. Liv.
Harwood, T. A. (Quant. Survey-
ing).
McBeath, J. G., F.R.I.B.A.
Sp. Lectr.

Asst. Lecturers

Robinson, J. L. (Structl. Eng.).
Bolton, A., M.Sc. Tech. (Structl.
Eng.).

Chemistry, Applied

..... Prof. and Dir. of Labs.
Walker, T. K., D.Sc., Ph.D.,
F.R.I.C. (Fermentation Pro-
cesses) Reader.
Sr. Lecturers
Howell, O. R., B.Sc. Wales, Ph.D.
Camb., Wales, and Zür.,
D.Sc., F.R.I.C.
Neale, S. M., M.Sc. Liv., D.Sc.
(Phys. Chem.).

Lecturers

Handford, C., M.Met. Sheff., F.I.M.
(Metall. and Assaying).
Baddeley, G., M.Sc., Ph.D. Sheff.,
D.Sc. (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.).

Cardwell, D., M.Sc., B.Com.,
F.R.I.C. Sp. Lectr.

Asst. Lecturers

Craven, Mrs. 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.
Hall, A. N., M.Sc. Tech.
Chamberlain, J. T., M.Sc. Tech.
Graddon, D. P., M.Sc. Tech., Ph.D.
Maitland, R. J., B.Sc. (Metall.).
Bullock, G., B.Sc. Durh., M.Sc.
Tech. (Metall.).

Quinton, J. H., M.Sc. Tech. (Chem.
Eng.).

Bartindale, G. W. R., M.A., B.Sc.
Oxon. (Phys. C.).

Demonstrators

Arnold, B. H., M.Sc. Tech.
Brooks, L. H., M.Sc. Tech.
Heald, P. J., M.Sc. Tech.
Turner, C., M.Sc. Tech.
Williams, D., M.Sc. Tech.
Chadwick, J., M.Sc. Tech.
Gordon, M., M.Sc. Tech.
Meadowcroft, R., M.Sc. Tech.
Spinner, E., M.Sc. Tech.
Williamson, G. R., M.Sc. Tech.
Pendleton, A. G., B.Sc. Tech.
Smith, N. H. P., M.Sc. Tech.
Thompson, A. R., B.Sc. Tech.
Hall, H. T., B.Sc. Tech. (Metall.).

Chemistry, Textile

..... Hd. of Dept., Dir. of Labs.
Barkas, W. W., D.Sc. Lond., B.Sc.
(Papermaking Technol.).
Reader.

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

Johnson, Alan, M.Sc. Tech.

Faichney, P. (Paper Manuf.).

Engineering, Electrical

Hollingsworth, J., M.A. Camb.,
D.Sc. Lond., M.Sc. Tech.
Prof. and Dir. of Labs.

Lecturers

Bradshaw, E., Ph.D. Glas.,
M.Sc. Tech. (High Voltage
Eng.).

Glynne, A., M.A. Camb. (Elect.
Measurements).

Barratt, N. M., M.Sc. Tech.

Tremlett, L., M.Sc. Tech.

Hancock, N. N., B.Sc. (Eng.),
B.Sc. Lond.

Asst. Lecturers

Willis, J., B.Sc. (Eng.) Lond.

Pickering, E. N., M.Sc. Tech.

Normington, A. C., B.Sc. (Eng.)
Lond.

Lees, A. B., M.Sc. Tech.

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.
Berl.

Gill, S. S., M.Sc. Tech., Ph.D.

Bisacre, G. H., M.A. Camb.

Bock, J. H., B.Sc. Brno, D.Sc.
Hanover (Heat Technol.)

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.

Johnson, K. L., M.Sc. Tech.

Engineering, Municipal

Cornish, R. J., M.Sc., F.R.San.I.

Hd. of Dept. and Dir. of
Labs.

Lecturers

Johnson, Albert, M.Sc. Durh.,
F.R.San.I., F.I.S.E.

Morgan, E. Ll., B.Sc. Wales,
M.Sc. Tech.

Williman, A., B.Sc. (Eng.) Lond.

Tait, G. B., B.Sc. Edin.

Spencer, E., B.Sc. Tech.

Asst. Lectr.

Industrial Administration

Roberts, A., M.Com., Ph.D.

Hd. of Dept.

Lecturers

Jenkins, G., M.Com.

Verity, T. E. A., M.Sc. Tech.

Fraser, J. A., M.A., B.Ed. Edin.

Dowdell, A., 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

Fagg, S. V., B.Sc. Lond., D.I.C.

Butler, R., M.Sc.

Helliwell, J. B., B.Sc., Ph.D.
Leeds.

Hogg, H. E., M.A. Camb.

Lakin, A., B.Sc. Durh.

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.

Lecturers

Edmunds, I. G., M.Sc., Ph.D.
Wales.

Hargreaves, A., B.Sc., M.Sc. Tech.,
Ph.D., F.I.P.

Steeple, H., B.Sc. Reading.

Asst. Lecturers

Fowweather, F., B.Sc.

Taylor, C. A., B.Sc. Lond., Ph.D.

Textile Industries

Morton, W. E., M.Sc. Tech., F.T.I.

Prof. and Dir. of Labs.

Lecturers

Chirnside, J. (Textile Design).

Taylor, J. S., M.Sc. Tech. (Spin-
ning).

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.

Theology

Biblical Criticism and Exegesis

Manson, Rev. T. W., M.A. Camb.,

D.Litt. Glas., D.D. Glas.,

Durh. and Camb., Dr. de

Stras., M.A., F.B.A.

Rylands Prof.

Lecturers

Farr, Rev. G., M.A., B.D. (Old
Test.).

Meeham, Rev. H. G., B.A. Lond.,
M.A., D.D., Ph.D. (New Test.).

Christian Ethics

Preston, Rev. R. H., B.Sc. (Econ.)

Lond., M.A. Oxon. Sp. Lectr.

Comparative Religion

Brandon, Rev. S. G. F., M.A.,

D.D. Leeds

Prof.

Ecclesiastical History

Dugmore, Rev. C. W., M.A., B.D.
Oxon.

Bishop Fraser Sr. Lectr.

Robinson, Rev. W. G., M.A. Oxon.,
B.A. Liv., B.D., Ph.D. Lectr.

Hellenistic Greek

Zuntz, G., Dr.phil. Marburg

History of Doctrine Sr. Lectr.

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.

Scott, Rev. P., B.D. Lond.,
D.Theol. Marburg.

Semitic Studies

Rowley, Rev. H. H., M.A. Brist.,

B.Litt. Oxon., D.D. Lond.,

Durh. and Wales, Theol.D.

Uppsala, M.A., F.B.A. (He-
brew Lang. and Lit.) Prof.

Fish, T., Ph.D. Camb. (Mesopo-
tamian Studies) 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. (Semitic Langs. and

Lits.) Asst. Lectr.

Adamson Lecturer

1950—

Warburton Lecturer

1949—Sir John Maude, K.C.B.,

K.B.E. : " Relations between

Central and Local Govern-

ment."

Ludwig Mond Lecturers

1949-50—Professor J. F. Fulton,

O.B.E., M.D. : " Humanism

in an Age of Science." Pro-

fessor Gunnar Myrdal, LL.D.,

Dr.Lit. : " National Econo-

mic Planning and Inter-

national Co-operation."

**Margaret Ashton Memorial
Lecturer**

1949—Lady Simon of Wythenshawe, of Didsbury, M.A. :
"Margaret Ashton and her
Times."

Bretey Memorial Lecturers

1949—50—Raymond Mortimer :
"Balzac and the Appetite for
Life." Professor Jean Pom-
mier : "Balzac peintre des
caractères."

Dr. Thomas Percival Lecturer

1950—Professor I. L. Kandel,
M.A., Ph.D., Litt.D., LL.D.,
Chev. Lég. d'H. : "The Re-
discovery of America."

School of Education

Myers, Sir J. E., O.B.E., D.Sc.
Director.

Lecturers

Langan, I. Winifred, Dip. Psych.
Lond., Ph.D. Reading (Child
Psych.).
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.
Augustine, Rev. Bro., M.A. Camb.
White, O., B.Litt. Oxon., M.A.
(Com.), M.Ed.

Wrigley, Mrs. Hilda M., M.A.
Camb.

Body, A. H., O.B.E., B.A. Lond.,
M.Ed.

Preedy, Lucy G., M.A. Brist.

Hoskins, Ianthe H., M.A. Lond.

van Straubenzee, Joyce H.

Lectures in the School will also
be given by the Profs. and
Lectrs. in the Depts. consti-
tuting the Fac. of Education
(v. *supra*).

Extra-mural Department

Director of Extra-mural Studies—
R. D. Waller, M.B.E., M.A.

Deputy Director—W. E. Styler,
M.A. Birm.

Staff Tutors—O. Ashmore, M.A.
Camb. ; Joan Bedale, M.A.
Camb. ; F. W. Chandler,
M.A. Lond. ; D. Garside,
B.A. ; R. M. Grant, B.A.
Camb. ; N. Hampson, M.A.
Oxon. ; I. W. Hughes, LL.B.
Wales ; D. C. Jones, M.A.
Wales ; J. C. L. Malpass ;
Barbara M. Moor, Mus.B. ;
H. J. Perkin, B.A. Camb. ;
R. Ruddock, B.Sc. (Econ.)
Lond. ; H. C. Sherwood, M.A.
Birm.

ADMINISTRATIVE AND OTHER STAFF

ADVISER TO WOMEN STUDENTS. Phyllis E. Crump, M.A. Lond., M.A.

ASSISTANT TO THE VICE-CHANCELLOR. G. N. Burkhardt, M.Sc., Ph.D.,
F.R.I.C.

REGISTRAR'S DEPARTMENT. Asst. Registrar : F. P. Walton, B.Com. ;
Sec. for Examinations : T. Borthwick, M.A. ; Chief Asst. : G. H. Ashworth,
M.A. Camb. ; Admin. Assts. : H. M. Anderson, B.A. Oxon., E. E. Temple,
B.A. Birm. ; Personal Asst. : Norah M. Jackson.

BURSAR'S DEPARTMENT. Finance Officer : J. Hanson, B.A. (Com.) ; Chief
Admin. Officer : D. G. H. Cannon, D.P.A. ; Buildings Officer : J. Butter-
worth ; Cashier : C. E. Dukinfield ; Personal Asst. : E. A. Cummins, M.A.

Oxon. ; Admin. Assts. : T. N. L. Brown, M.A. Camb., H. Kent, M.A. Camb. ; Asst. Buildings Officers : E. Smith, H. Thomas ; Book-keeper : Alice Allan.

UNIVERSITY LIBRARY. Deputy Librarian : S. Roberts, M.A. Leeds ; Sr. Asst. Librarian : F. D. Hodgkiss, M.A. ; Chief Cataloguers : K. G. D. Cave, B.A., L. Galpin, B.A.

MEDICAL LIBRARY. Librarian : G. Wilson.

MUSEUM. Keeper : R. U. Sayce, M.A. Wales and Camb., M.Sc.

UNIVERSITY PRESS. Sec. : T. L. Jones, B.A. Oxon.

UNIVERSITY SCHOOL OF EDUCATION. Director : Sir J. E. Myers, O.B.E., D.Sc.

EXTRA-MURAL DEPARTMENT. Director of Extra-mural Studies : Prof. R. D. Waller, M.B.E., M.A.

APPOINTMENTS BOARD. Joint Secs. : J. D. Culverwell, M.A. Oxon. ; Mary I. Robinson, M.A. Glas.

STAFF OFFICER. H. D. C. McLeod, M.A. St. And.

UNIVERSITY MEDICAL OFFICER. R. F. L. Logan, M.D. Belf.

CONVOCATION. Chairman : Erna Reiss, M.A., Ph.D. ; Clerk : F. Tye, B.Sc.

ASSOCIATED COLLEGES

The COLLEGE OF TECHNOLOGY,* Sackville St., Manchester, 1 (*Telephone* : Manchester, Central 3624), became connected with the Univ. of Manchester in 1905 in the Fac. of Techn., the greater part of the work of which is conducted in the College, whose Principal is Dean. From Oct. 1934 recognized for B.Sc. (Eng.) degree for external students, London Univ. Principal : Registrar : T. W. Harwood, M.A.

Recognized for External Lectures in Theology : MANCHESTER BAPTIST COLLEGE, Brighton Grove, Rusholme, Manchester, 14 ; HARTLEY VICTORIA METHODIST COLLEGE, Alexandra Road South, Alexandra Park, Manchester, 16 ; LANCASHIRE INDEPENDENT COLLEGE, Whalley Range, Manchester, 16 ; MORAVIAN COLLEGE, Fairfield, Manchester ; UNITARIAN COLLEGE, Daisy Bank Road, Victoria Park, Manchester, 14.

Recognized for instruction in Maths., Physics, Chem., and Biol. up to Intern. standard for B.Sc. and B.Sc. Tech. : the HARRIS INSTITUTE, Preston, Lancs.

For third year of B.Sc. Tech. course in Metal Mining (at present discontinued) : the CAMBORNE SCHOOL OF METALLIFEROUS MINING, Cornwall.

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 $\frac{1}{2}$ mile distant, adjoining principal hospitals. The athletic ground (30 acres) is at Fallowfield, about $1\frac{1}{2}$ miles distant, while a further 50 acres were acquired for athletic purposes at Wythenshawe, about 3 miles distant.

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

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 Library, which includes the famous Althorp Library and the Crawford MSS. It contains one of the most important collections of early printed books and Bibles in existence, many first editions of English and foreign classics, and rare bindings. The MSS., both Eastern and Western, are notable for their fine examples of calligraphy and illumination and for their many important texts, on papyrus, parchment and other materials. In addition there is an extensive collection of charters, manorial and legal records and family muniments relating to almost every county in England. The ancient Chetham Library (100,000 vols.) has valuable mediæval MSS. and printed books of 17th and 18th centuries and specializes in local history. The Municipal Reference Library (400,000 vols.) is a valuable collection of books and periodicals, which includes a Technical and Science Library of 79,000 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, with a considerable number of an earlier date. The College of Technology Library (over 33,000 vols.) is devoted to applied science and technology and receives over 400 journals, of which more than half are filed permanently.

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*, 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 6 general Hospls., 1 Dental and 12 other special hospls., including the Christie Hospl. and Holt Radium Institute. The University Meteorological Observatory, Whitworth Park, Manchester (Observer: H. E. Dalton): Observations are taken twice daily and form the basis for reports to the Meteorological Office in London and to the Registrar-General and local health authorities.

FACULTIES, DEANS AND TUTORS. (1) Arts [including School of Architecture], *Dean*: Prof. T. B. W. Reid (Romance Philol.), *Tutor*: J. Marks (French); (2) Science, *Dean*: Prof. C. W. Wardlaw (Cryptogamic Bot.), *Tutor*: Dr. G. N. Burkhardt (Chem.); (3) Law, *Dean*: Prof. R. A. Eastwood (Eng. Law), *Tutor*: Dr. H. Street (Artic. Clerks); (4) Medicine [including Dentistry and Pharmacy], *Dean*: Prof. W. Schlapp (Physiol.), *Tutor*: Dr. D. A. K. Black (Medicine), *Tutor to Dental Students*: Dr. A. S. Prophet (Dent. Bact.); (5) Music, *Dean*: Prof. W. Schlapp (Physiol.); (6) Economic and Social Studies, *Dean*: Prof. E. Devons (App. Econs.), *Tutor*: Dr. K. Martin (Internat. Econs.); (7) Theology, *Dean*: Prof. T. W. Manson (Bibl. Crit. and Exeg.); (8) Technology, *Dean*:; (9) Education, *Dean*: Prof. A. W. G. Ewing (Educ. of the Deaf).

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 Intern. courses in Arts), B.Sc. Tech.; 4 yrs.—B.A. (Hons. in Mod. Langs.—two langs.); 5 yrs.—B.A. (Hons. in Archit. and Town and Country Planning); 5 yrs. and 1 term—B.D.S.; 6 yrs.—M.B., Ch.B. The B.A. (Com.) and B.A. (Admin.) courses can be completed by attendance on evening lectures during not less than 4 sessions.

The B.A. degree may be awarded with Honours in Combined Subjects (v. p. 9).

The B.Sc. degree may be awarded with Honours in General Science (v. p. 10).

Hons. students of mod. foreign langs. may count attendance on approved courses for a term at a foreign Univ. as equivalent to attendance at Manc.

Minimum attendance in the Univ. for graduation—3 yrs., for Bachelorships in 2 Faculties—5 yrs.

HIGHER DEGREES. Open to Bachelors normally of 1 yr.'s standing—M.A., M.Sc., M.D.S., M.A. (Econ.), M.A. (Com.), M.A. (Admin.), M.Sc. Tech.; 2 yrs.—LL.M. (1 yr. for persons who graduated LL.B. with Honours in the Univ.), M.D., D.D.S., M.Ed.; 4 yrs.—D.Sc., LL.D., Mus.D., D.D.; 5 yrs.—Ch.M. Open to Masters or Doctors of Philosophy of the Univ. only: Litt.D.

Open to graduates of other approved Univs. through research in Manc. during 2 (non-graduates 3) yrs.—M.A., M.Sc., LL.M., M.A. (Econ.), M.A. (Com.), M.A. (Admin.), M.Sc. Tech., M.Ed. (3 yrs. for persons other than those who have gained Diploma in Education of Manc.). Graduates of other approved Univs. of 4 yrs.' (D.D. 6 yrs.) standing who have obtained the degree of Master or one substantially equivalent thereto and spent 2 yrs. in study or research in Manc. may qualify for the D.Sc., LL.D., D.D.

The Ph.D. differs from the Litt.D. and D.Sc. in requiring a definite course of study, and is of a lower standard, though higher than the M.A., M.Sc., and M.Sc. Tech. (v. p. 19).

DIPLOMAS. Bacteriology, Chem. Engineering, Statistics, International Law, Social Administration, Social Anthropology, Teachers'—1 yr. postgraduate; Educational Psychol., 1 yr., approved teachers; D.P.H., 1 yr., for registered practitioners; D.P.M., 8 terms, for registered practitioners; L.D.S., 4 yrs. and 1 term; Architecture, 5 yrs.; Town and Country Planning, (a) 5 yrs.' full-time course, (b) 1 yr. after Certif. status; Education—1 yr. full-time or 2 yrs. pt.-time for graduates who have qualified as teachers after an approved course of training, 1 yr. full-time and 1 yr. pt.-time or 3 yrs. pt.-time for other graduates (the above periods may be reduced by 1 yr. pt.-time), 1 yr. full-time and 1 yr. pt.-time or 3 yrs. pt.-time for non-graduate qualified teachers.

CERTIFICATES. Psychiatric Social Workers, 1 yr.; Theol., 3 yrs.; Biblical Knowledge, 1 yr.; Tech. (Assoc. Coll. Tech.), 3 yrs.; Tech. (Distinction), 1 yr. after Cert. in Tech.; Indust. Admin., 1 yr. (grads. or holders of Cert. in Tech.); Certif. for Teachers of the Deaf, 1 yr. (grads. and certificated teachers); Town and Country Planning, 2 yrs.

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; Arts subjects, £300; Econ. and Soc. Studies, £100, £120 and £250-£300; Econ. Statistics, £1000; Engin., £200; Bot. or Zool., £200; Diseases of Children, £100; History, £50; Social Sciences, £1150; Local Govt., £50; Internat. Relations, £100; Maths., £60-£70; Physics, Chemistry and allied subjects, £600-£900; Engineering, Inorg. Chem. and

allied subjects, £600 ; Physics, £200 ; Physiol., £90 ; Cancer Research, £300 ; Medicine (causation, 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, £70 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., £32 ; 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 gs., 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. I. For men : Dalton Hall, Victoria Park, Manchester, 14 (Principal : G. A. Sutherland, M.A. Camb.), £126 for 30 weeks, 83 students ; Hulme Hall, Victoria Park, Manchester, 14 (Warden : Rev. J. Flitcroft, M.A.), £115 : 10s. for 30 weeks, 150 students ; St. Anselm Hall, Victoria Park, Manchester, 14 (Warden : Rev. R. H. Preston, B.Sc. (Econ.) Lond., M.A. Oxon.), £120 for 31 weeks, 65 students ; Lancashire Independent College, Whalley Range, Manchester, 16 (Principal : Rev. W. G. Robinson, M.A. Oxon., B.A. Liv., B.D., Ph.D.), from £111 per session ; Unitarian College, Daisy Bank Road, Victoria Park, Manchester, 14 (Principal : Rev. R. V. Holt, M.A., B.Litt. Oxon.), £100 per session. II. For women : Ashburne Hall, Fallowfield, Manchester, 14 (Warden : Edna M. Lind, B.Sc., Ph.D. Liv.), £120 per session, approx. 205 students ; Langdale Hall, Victoria Park, Manchester, 14 (Warden : Mrs. Phyllis M. White, B.A.), £105 per session, 38 students ; Ellis Llwyd Jones Hall, Talbot Road, Old Trafford, Manchester, 16 (Warden : Mrs. Irene M. Horsburgh, B.A.), £120 per session, 58 students ; St. Gabriel's Hall, Victoria Park, Manchester, 14 (Warden : Sr. Maria Benigna, B.A.), £95 per session, 36 students. III. For medical students, men and women : Lister House, Nelson Street, Manchester, 13 (Warden : A. H. Holmes, M.D., F.R.C.P.), compulsory residence during a period of 3 mos. in the 5th yr. of medical courses, at a charge of £42.

Donner House (Oak Drive, Fallowfield, Manchester, 14) provides accommodation for 25 members of staff and senior research students, at a charge varying from £2 : 8s. to £3 : 9s. per week, plus a terminal surcharge of £8.

The UNIVERSITY UNION (men) and the WOMEN'S UNION occupy buildings on main UNIVERSITY site, and provide social facilities for students. They adjoin the REFECTORY, the whole block having been extended and remodelled in

1937, when a STAFF HOUSE was also added. A further extension of the Refectory was opened in 1947.

CONVOCATION consists of all grads. since 1914 (earlier grads. admitted on payment of fee of 5s.). The duties and privileges of Convocn. include the election of the Chancellor of the Univ. District Groups (Manchester, London, Leeds, North-Western (Lancaster), Bristol, Isle of Man) of Convocn. provide social and other facilities for graduates.

ADULT EDUCATION. Courses in Adult Educn. are conducted by the Dept. of Adult Educn. for students in training for the teaching profession, and in the evening for the outside public. Under the auspices of the Jt. Cttee. for Adult Educn. the Extra-mural Dept. provides facilities for Extra-mural study at the Univ. and at other centres. Sub-Cttees. are concerned with the supervision of work in collaboration with the W.E.A., and with the Univ.'s Residential Coll. Tutorial classes, Extension courses, public lectures, residential courses, and other facilities for adult students are arranged.

APPOINTMENTS BOARD, 316-324 Oxford Road, Manchester, 15. The services of the Board are free and open to all students or graduates requiring posts or advice on careers. During 1949-50, 174 permanent appointments were obtained.

UNIVERSITY MILITARY AND AIR FORMATIONS. (a) University Training Corps (T.A.), Commanding Officer: Lt.-Col. C. W. Wardlaw (T.A.). (b) University Company, W.R.A.C. (T.A.), Officer Commanding: Capt. M. F. Carter (W.R.A.C.). (c) University Air Squadron, R.A.F., Commanding Officer: S/Ldr. J. C. Button, D.S.O., D.F.C.

STUDENT HEALTH SERVICE. Arrangements are being made for a Student Health Service with a full-time medical officer in charge. It will be of a consultative and advisory nature and will deal with health education amongst students.

ATHLETIC AND OTHER FACILITIES. The Athletic Grounds consist of (a) a ground of about 30 acres at Fallowfield (1½ miles distant), (b) a plot of land of about 3 acres adjoining Old Hall Lane, Fallowfield (1½ miles distant), (c) about 50 acres of land at Wythenshawe (3 miles distant), half of which is now coming into use. The McDougall Centre and Holt Gymnasium (Director: R. St. G. T. Harper, M.A. Oxon.), which are situated close to the University, provide generous facilities for physical education and recreation, including a covered swimming-bath.

UNIVERSITY PRESS, 8-10 Wright Street, Manchester, 15 (Chairman: Professor H. B. Charlton, M.A., Litt.D. Leeds, Dr. de Dijon, M.A.; Sec.: T. L. Jones, B.A. Oxon.). The object of the Press is to publish works of learning and research in all branches of knowledge, but more general publishing is also undertaken. All official Calendars, Prospectuses, etc., of the University are also issued by the Press. Further information may be obtained from the Secretary.

PUBLICATIONS. (1) Periodical: (a) *Calendar* (Sept.), 5s. and 3s.; *Examination Papers*, 9d.-1s. 3d. a set; *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: 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, Manchester 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. "Portrait of a University," by H. B. Charlton; Manchester, Univ. Press, 1951.

THE YEAR 1949-50

BENEFACTIONS. £21,500 under the will of J. H. Gartside; £2500 from the late Mrs. M. E. Blain for the establishment of a scholp. in Pharmacy; £1000 from the late R. J. Flintoff for the establishment of a prize in Chem., Bio-Chem. or Bot.; £274 from Mr. S. D. Heron; £125 from Mr. G. F. Greenaway for the endowment of a prize in Archit.; £20 from Mr. M. M. Fidler to be used as a fee for a lecture; bequest of residue under the will of Dr. J. R. Ashworth; bequest under the will of Sir Richard Needham for the establishment of a Fellowship in Applied Anat., and for the provision of scholps. and bursaries tenable by students in the future Needham Hall and the foundation and equipment of a library at the Hall. Grants—from D.S.I.R., not exceeding £17,000 for equipment, etc., in connexion with the experimental res. into cosmic rays being conducted under the direction of Prof. P. M. S. Blackett at the Pic du Midi and Jungfrauoch; from the Rockefeller Foundation, not exceeding \$15,000 for res. in Organic Chem.; from D.S.I.R., £5000 in connexion with radio-astronomical res.; from the Nuffield Foundation, £2600 over a period of 3 yrs. to support the work on Cortisone, A.C.T.H. and similar substances at the Rheumatism Research Centre; from the Agric. Res. Council, £1590 to support experiments on vegetables at Jodrell Bank; from the Distillers Co. Ltd., £1000 for 3 yrs. towards the cost of an investigation of the sterols obtained from microbiological sources; from the Medical Research Council, £500 p.a. for the employment of a whole-time Asst. in the Dept. of Education of the Deaf and £200 for apparatus; from the Health Dept. of the City of Manchester, £150 to the Botany Dept. for work on the effect of atmospheric pollution on plants; from the Shell Petroleum Co. Ltd., £150 to provide grants for geological field work.

NEW BUILDINGS, ETC. Work completed includes the provision of a new lab. for the Chem. Dept. (named the Robert Robinson Laboratory) and of new accomm. at the experimental station for physical res. at Jodrell Bank. Work was in progress on the following: considerable additions to the Chem. Dept., the erection of the Clinical Sciences Bldg., and of a bldg. in Coupland St. to be occupied at first by the Archit. Dept. Work was started on the new bldg. to house the Dept. of Electrical Engin.

CHANGES IN REGULATIONS, ETC. Institution of classes in Persian, Govt., and Egyptian, which may be offered as part of a course leading to the ordinary degree of B.A. Persian may also be offered as an Hons. subject in the Hons. School of Oriental Studies. Institution of a postgraduate Diploma in International Law, and of a Diploma in Educn. (open to graduates, graduates who have qualified as teachers, and non-graduate qualified teachers, by examination and dissertation). Discontinuance of Diploma in Geography and Certificate for Non-graduate Teachers.

EXTRA-MURAL WORK. 51 Tutorial classes, 83 Sessional classes, 18 shorter courses were arranged in conjunction with the W.E.A.; 79 Extension Courses

and 73 single public lectures were given, and 46 lectures in schools. A growing collection of visual-aids equipment and gramophone records is maintained for the use of classes. 174 students attended the Summer School at Bangor in July and Aug. 1376 lectures were arranged by the Regional Cttee. for Educn. in the Forces for Units in the area.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Professor Karel Maiwald, formerly of the School of Political and Social Science in Prague, under the scheme to assist overseas scholars to renew intellectual contacts; Professor Harting, Rector of the Univ. of Amsterdam; Professor A. R. Radcliffe-Brown, as Simon Visiting Professor; Dr. B. Trumpy, Rector of the Univ. of Bergen.

RETIREMENTS. Prof. I. L. Kandel (American Studies); Prof. J. Kenner (Technological Chem.); Gladys Conway (Lectr. in Educn.); A. Eagle (Lectr. in Maths.); Dr. F. G. Wrigley (Lectr. in Dis. of the Throat and Nose); Dr. G. J. Langley (Dean of Postgraduate Studies in the Fac. of Medicine).

RESIGNATIONS. Prof. E. Ashby (Bot.), on appt. as President and Vice-Chancellor of the Queen's Univ., Belfast; Prof. S. Goldstein (App. Maths.), on appt. to the Chair of App. Maths. at the Coll. of Techn. in Haifa, Israel; Prof. A. Henderson (Econ. Theory); Prof. A. Topping (Soc. and Prev. Med.), on appt. as Dean of the London School of Hygiene and Tropical Medicine; Dr. C. Scott Russell (Reader in Obstetrics and Gynæcol.), on appt. to the Chair of Obstetrics and Gynæcol. in the Univ. of Sheffield; Dr. A. R. Gemmell (Lectr. in Bot.), Dr. H. D. Springall (Sr. Lectr. in Chem.), A. E. Teale (Lectr. in Philos.) and Dr. F. A. Vick (Sr. Lectr. in Physics), on appt. to Chairs in Biol., Chem., Philos. and Physics, respectively, in the Univ. Coll. of North Staffordshire.

DEATHS. Prof. W. Fitzgerald (Prof. of Geog. since 1944); Dr. A. E. M. G. Gillam (Sr. Lectr. in Chem.); Dr. R. M. Galloway (Lectr. in Pub. Health Admin.); Dr. J. F. Ward (Lectr. in Child Health); Rev. A. H. White (Warden of Hulme Hall and Lectr. in Bibl. Crit. and Exegesis); G. W. Kaye (Bursar); Prof. E. S. Forster (formerly Lectr. in Classical Archæol.); Prof. G. H. Livens (former member of staff of the Maths. Dept.); Sir Richard Needham (sometime Demr. in Anat. in Owens Coll.); Dr. J. R. Ashworth (sometime member of staff of Owens Coll.); Dr. D. H. Bangham (formerly Lectr. in Chem.); J. P. Buckley (former member of staff of Dept. of Surg.); W. Cunliffe (formerly Drummond Fraser Lectr. in Banking); Dr. J. P. Headridge (former member of staff of Dental School); Dr. A. D. Imms (formerly Reader in Agricultural Entomol.); J. C. Jolly (formerly Lectr. in Law); Dr. E. Bosdin Leech (formerly Lectr. in Clin. Med.); Dr. A. G. Lobley (formerly Reader in Electro-Chemistry); Dr. E. Moir (former member of staff of Dental Hospl.); Dr. C. C. Twort (formerly Dir. of Cancer Res.); H. Pickstone (former Univ. Cashier).

HONORARY DEGREES. *LL.D.*—Right Hon. and Most Rev. Geoffrey Francis Fisher, Archbishop of Canterbury; Emeritus Prof. A. H. Gibson, formerly Beyer Prof. of Engin. in the Univ.; Sir Geoffrey Heyworth, Chairman Lever Bros. and Unilever, Ltd. since 1942, Chairman, Advisory Council, D.S.I.R., since 1946; Prof. W. O. Lester Smith, Director of Education, City of Manchester, 1931-49, recently appointed to Chair of Sociology of Education in the Institute of Education, Univ. of London. *D.Sc.*—Mr. V. E. Negus, Surgeon to the Ear, Nose and Throat Dept., King's College Hospital, London; Right Hon. Lord Boyd Orr, formerly Director General, United Nations Food and Agric. Organization. *Mus.D.*—Sir John Barbiroli, conductor of the Hallé Orchestra. *M.A.*—Isobel Baillie, for services to music; Mrs. Edith G. F.

Birley, member of the Manchester Diocesan Council for Moral Welfare Work ; Dorothy Porter, member of Manchester Education Cttee. ; A. P. Simon, formerly Manchester City Councillor ; T. Thompson, Lancashire dialect author and broadcaster. *M.Sc.*—Dr. W. H. Brindley, Hon. Sec. to the Manchester and District Section of the Society of Chemical Industry.

STUDENTS (including Faculty of Technology).

	<i>Part-Time</i>	<i>Full-Time</i>
Men	627	4070
Women	98	1147
Total	725	5217

Included in the above total of 5942 are 873 postgraduate students (men : part-time, 288 ; full-time, 422 ; women, part-time, 34 ; full-time, 129) and 1795 new students (first degree or diploma : men, part-time, 124 ; full-time, 1053 ; women, part-time, 32 ; full-time, 342. Postgraduate : men, part-time, 99 ; full-time, 103 ; women, part-time, 30 ; full-time, 12).

DEGREES. B.A., 356 ; B.A. (Theol.), 8 ; M.A., 27 ; B.Sc., 338 ; M.Sc., 42 ; D.Sc., 2 ; LL.B., 42 ; M.B., Ch.B., 64 ; M.D., 6 ; B.D.S., 17 ; D.D.S., 2 ; Mus.B., 5 ; B.A. (Econ.), 17 ; M.A. (Econ.), 1 ; B.A. (Com.), 52 ; B.A. (Admin.), 32 ; M.A. (Admin.), 1 ; B.D., 5 ; B.Sc. Tech., 233 ; M.Sc. Tech., 28 ; M.Ed., 4 ; Ph.D., 30.

UNIVERSITY OF NOTTINGHAM *

Founded 1948

Postal Address : University Park, Nottingham.

Telegrams : University, Nottingham.

Telephone : Beeston 54265.

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. Camb.

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.

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.

Lecturers

Bexon, Dorothy, M.Sc. Lond.,
F.L.S.

Turner, Mrs. Myfanwy, M.Sc.
Wales, F.L.S.

Weatherley, P. E., M.A., D.Phil.
Oxon.

Richardson, Mabel M., B.Sc.,
Ph.D. Durh.

Assistant Lecturer

Noel, A. R. A., B.Sc. Lond.

4 Demrs.

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.
Sr. Lectr.

Lecturers

Shaw, B. D., M.M., T.D., B.Sc.,
Ph.D. Lond.

Roberts, J. C., B.Pharm., B.Sc.,
Ph.D. Lond.

Jordan, D. O., M.Sc., Ph.D.
Lond.

Addison, C. C., D.Sc., Ph.D. Durh.,
F.R.I.C., F.I.P.

Partridge, M. W., B.Pharm., B.Sc.,
Ph.D. Lond.

King, T. J., B.Sc., M.A., D.Phil.
Oxon.

Cooper, F. C., B.Pharm., B.Sc.
Lond., Ph.D.

Clark-Lewis, J. W., B.Pharm.,
B.Sc. Lond., Ph.D.

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

Assistant Lecturers

- Anderson, A. S., B.Sc., Ph.D.
 Lond.
 Mathieson, A. R., B.Sc. Durh.
 Wallwork, S. C., B.A. Oxon.
 Dunn, B. S., B.Sc. Belf.
 Bovey, Doreen M., B.Sc., Ph.D.
 Lond. Demr.
 8 Demrs.

Classics

- Thompson, E. A., M.A., B.Litt.
 Dub. Prof.
 Lecturers
 Whittaker, Molly, M.A., M.Litt.
 Camb., B.D. Lond.
 Chalmers, W. R., M.A. Edin.
 Mattingly, H. B., B.A. Camb.
 Watson, G. R., M.A. Durh.

*Dairying, v. infra, p. 374**Economics*

- Tew, J. H. B., B.Sc. (Econ.) Lond.,
 Ph.D. Camb. Prof.
 Chambers, J. D., B.A., Ph.D.
 Lond. (Economics and Social
 Hist.) Reader.
 Lecturers
 Gabor, A., B.Sc. (Econ.) Lond.
 Woodruff, W., M.A. Oxon.
 James, S. F., B.A. Camb.
 Assistant Lecturers
 Kerridge, E. W. J., B.A. Lond.
 Beckerman, W., B.A. Camb.
 1 Tutorial Asst.

Education

- Haycocks, N., M.A. Manc. Prof.
 Lecturers
 Sumner, W. L., B.Sc. Lond.
 Stewart, A. H., B.A. Lond.
 Lloyd, A., M.A. Birm., Ph.D.
 Camb.
 Flower, N. C., M.Sc. Durh.
 Gopsill, G. H., M.A. Birm.
 McNicol, H., M.A. Dub.
 Mumford, Ivy L., M.A. Lond.
 Grove, R. B., M.A. Leeds.

Engineering, Civil

- Pope, J. A., B.Sc. (Eng.) Lond.,
 Ph.D., D.Sc. Belf. Prof.
 Lecturers
 Coates, R. C., B.Sc. (Eng.) Lond.
 Peattie, K. R., B.Sc. Glas.
 Markland, E., B.Sc. Manc.
 Clark, J. A., B.Sc. (Eng.) Lond.
 Asst. Lectr.

Engineering, Electrical

- Cotton, H., M.B.E., D.Sc. Manc.,
 F.R.Met.S. Prof.
 Lecturers
 Swann, S. A., B.Sc. (Eng.) Lond.
 Alexander, W., M.Sc. Lond.
 (Industr. Electronics).
 Gimson, C. E., B.Sc. (Eng.) Lond.,
 M.Sc. (Eng.).

Engineering, Mechanical

- Pope, J. A., B.Sc. (Eng.) Lond.,
 Ph.D., D.Sc. Belf. Prof.
 Lecturers
 Dickson, J. M., T.D., B.Sc. Lond.
 (App. Thermodynamics).
 Lloyd, H. K. M., B.Sc. Wales,
 Ph.D. Sheff. (Metall.).
 Rolinson, J. G.
 Davies, D. M., B.Sc. (Eng.) Lond.
 Taylor, D. B. C., M.Sc., Ph.D.
 Belf.
 Mann, J., M.Sc. Leeds.
 Fessler, H., B.Sc. (Eng.) Lond.
 Asst. Lectr.

English

- Pinto, V. de S., M.A., D.Phil.
 Oxon., F.R.S.L. Prof.
 Lecturers
 Hibbard, G. R., M.A. Lond.
 Housman, J. E., B.A., Ph.D. Lond.
 Welland, D. S. R., B.A. Lond.,
 Ph.D.
 Cameron, K., B.A. Leeds.
 Assistant Lecturers

English Studies for Overseas Students

Hawthorne, T. S. B., M.A. Dub.
Lectr. and Tutor.

French

Holdsworth, F., M.A. Sheff., D. de
l'U. Paris Prof.

Lecturers

Townley, Mrs. Jozy, B.A. Lond.
Thorpe, L., B.A., Ph.D. Lond.,

L. ès L. Lille (Romance
Linguistics).

Christie, J., M.A. Glas., L. ès L.
Lyon.

Daniel, Vera J., B.A., Ph.D. Lond.
Asst. Lectr.

1 Asst.

Geography

Edwards, K. C., M.A., Ph.D. Lond.
Prof.

Lecturers

Fuller, G. Joan, M.A., Ph.D. Lond.
Rawstron, E. M., B.A. Lond.

Barnes, F. A., B.Sc. Lond.

King, Miss Cuchlaine A. M., M.A.,
Ph.D. Camb. Asst. Lectr.

1 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. (Petrol.) Hon. Reader.

Lecturers

Black, W. W., B.Sc., Ph.D. Leeds,
F.G.S.

Elliott, R. B., B.Sc. Durh., Ph.D.,
F.G.S.

Gill, W. D., D.Sc. Leeds, F.G.S.

Henson, F. A., B.Sc., Ph.D. Read-
ing, F.G.S., F.R.Met.S.

Skiba, W. J., B.Sc. Edin., M.Phil.
Lwow, Ph.D.

1 Demr.

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.
1 Tutorial Asst.

History

Wood, A. C., M.A., B.Litt., D.Phil.
Oxon. Prof.

Oswald, F., D.Sc. Lond., F.S.A.
(H. of Roman Brit.)

Hon. Reader.

Lecturers

Brameld, Nina M., M.A. Lond.

Fryer, W. R., B.A., B.Litt. Oxon.

Holt, J. C., B.A. Oxon.

Horticulture, v. *infra*

Law

Crane, F. R., LL.B. Lond. Prof.
Gray, H. R., LL.M. Lond. Lectr.

Thomas, J. A. C., M.A., LL.B.
Camb. Lectr.

Smith, J. C., M.A., LL.B. Camb.
Asst. Lectr.

Davis, B. R., B.A., LL.B. Camb.
Asst. Lectr.

Mathematics

Pitt, H. R., B.A., Ph.D. Camb.

Prof.

Green, H. G., M.A. Camb. (Geom.)
Reader.

Lecturers

Underwood, F., M.Sc. Lond.

Prior, L. E., M.Sc. Lond.

Dallas, A. E. M. Marta, M.A.,
B.Sc. Edin.

Power, G., M.B.E., M.A. Oxon.

Jones, E. E., B.Sc., Ph.D. Wales.

Assistant Lecturers

Chandler, K. N., B.Sc. Lond.

Jackson, Margaret, M.Sc. Lond.

Niblett, J. D., M.A. Oxon.

Noble, M. E., M.A. Camb.

Mining and Fuels

Hinsley, F. B., D.Sc. Birm. Prof.

Bowen, A. R., Ph.D., D.Sc. Birm.,
F.R.I.C. (Petroleum Techno-
logy)

Hon. Reader.

Lecturers

Watson, J. M. R., B.Sc. Glas.
 Cummings, A. D., M.Sc. Lond.,
 F.I.F.
 Roberts, A., M.Sc. Durh.
 Morris, I. H., B.Sc. Wales, M.Sc.
 (Min.).

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.

Lecturers

Barber, H. H., B.Sc., Ph.D. Lond.,
 F.R.I.C.
 Turner, H. A., B.Sc. Lond.
 Lewis, J. J., B.Sc. (Pharm.), M.Sc.
 Manc.
 Watson, Gertrude M., B.Pharm.
 Lond.
 Evans, W. C., B.Pharm., B.Sc.
 Lond.
 Hugo, W. B., B.Pharm. Lond.

Assistant Lecturers

Fletcher, J. G., B.Sc. Manc.
 Sharp, W. G., B.Pharm. Lond.

 2 Demrs.

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.
 Lees, J. P., M.A. Camb. (Social
 Philos.) Lectr.
 Newson, L. J., B.Sc. Lond.
 Asst. Lectr.

Physics

Bates, L. F., B.Sc. Brist., Ph.D.
 Camb., D.Sc. Lond., F.R.S.,
 F.Inst.P.
 Lancashire-Spencer Prof.
 Davy, N., M.M., D.Sc. Lond.
 Reader.

Lecturers

Street, R., M.Sc., Ph.D. Lond.
 Woolley, J. C., B.A. Camb., Ph.D.
 Standley, K. J., M.A., D.Phil.
 Oxon.

Assistant Lecturers

Parker, R., B.Sc. Brist.
 Lee, E. W., B.Sc. Lond.
 Nash, W. F., M.Sc. Wales.
 Adam, G. D., B.Sc. St. And.
 3 Demrs.

Poultry Husbandry, v. *infra*, p.
 374

Slavonic Languages

Lavrin, J., M.A., F.R.S.A. Prof.
 Patridge, Mrs. Monica A., B.A.
 Lond. Lectr.

Social Administration

Radford, A., B.Sc. (Econ.) Lond.
 Prof.
 Wells, F. A., B.Sc. (Econ.), Ph.D.
 Lond. (App. Econs.) Reader.
 Lecturers
 Forster, Sheelah de C., M.A.
 Oxon.
 Robertson, Mary F., M.A. Edin.
 Eyden, Joan L. M., B.A., B.Sc.
 (Econ.) Lond.
 Gowan, I. L., B.A. Wales, M.A.
 Oxon. (Pub. Admin.).
 Pearce, I. F., B.A. Brist.
 Pt.-time Lecturers
 Spelman, Eileen M., B.A. Lond.
 Duke, P., M.B., Ch.B., D.P.H.
 Morell, A. L., F.C.A. (Accounting).
 Asst. Lecturer
 Varley, D. E., M.A. Camb.
 Tutor to Health Visitors
 Hogg, Daisy T

Spanish

Stagg, G. L., M.B.E., M.A. Camb.
and Harvard Lectr.
Russell-Gebbett, P. S. N., B.A.
Camb. Asst. Lectr.

Spoken Language

Wilkins, Joyce L. Lectr.
Hitchman, P. J., B.A. Lond.
Lectr. and Speech
Specialist.

Theology

Marsh, Rev. J., M.A. Edin.,
D.Phil. Oxon. Prof.
King, Rev. N. Q., M.A. Oxon.
Asst. Lectr.

Veterinary Science, v. infra

Zoology, v. also Agric.

Barrington, E. J. W., M.A., D.Sc.
Oxon., F.L.S. Prof.
Young, M. R., B.Sc. Edin., Ph.D.
Lond. Lectr.
Aitken, A., B.Sc. Glas. Lectr.
Assistant Lecturers
Dawes, T. M. Eileen, B.Sc. Lond.
Clarke, K. U., B.Sc. Lond.
Matty, A. J., B.Sc. Lond., Ph.D.
Morris, R., B.Sc. Lond.
I Demr.

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).
Douglas, G. O., B.A. Camb.
(Psychol.).
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. Brist. and
Lond. (Derby).
Thornton, A. H., M.A., B.C.L.
Durh. (Derbyshire).
Hogarth, C. E., B.A. Manc.
(Derbyshire).
Champion, A., M.A. Camb. (Hol-
land).
Smith, A. E., M.A. Leeds (Lindsey).
Hosford, W. H., B.Sc. (Econ.)
Lond. (Kesteven).
Featherstone, H. L., M.A. Durh.
(Mining Centres).
Tutors for Adult Educn. in H.M.
Forces.
Dixon, J. F., M.A. Oxon.
Rossell, P. E., B.A. Sheff.

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, M.Sc.
(Agric.) Lectr.
Morgan, J. T., M.Sc. Wales
Asst. Lectr.
McDermott, Mrs. Norah, M.Sc.
(Agric.) Potato Research.
I Demr.

Agric. and Dairy Bacteriology

Brindley, Marjorie, B.Sc. (Agric.)
Lectr.

*Agric. Botany (v. also Botany,
supra)*

Dent, K. W., B.Sc., Ph.D. Birm.
Lectr.
Edwards, Miriam M., B.Sc., Ph.D.
Manc. Lectr.
Nicholson, T. H., B.Sc. Aberd.
Asst. Lectr.
I 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., M.A., B.Sc.,
Oxon. Lectr.
1 Demr.
- Agric. Economics*
- Heath, W. H., B.Sc. Lond.
Reader and Hd. of Dept.
- Jones, R. B., M.Sc. Wales
Sr. Agric. Economist.
- Agricultural Economists
- Wood, R. O., M.Sc. Lond.
- Mejer, E., M.Sc. Vilna.
- Ashby, A. W., B.Sc. Wales, M.S.
Corn.
- Evans, D. H., B.Sc. Wales, M.Sc.
Asst. Agric. Economists
- Barker, H. F., B.Sc. Lond.
- Hunt, A. F., B.Sc. (Econ.) Lond.
- Nelson, J. S., B.Sc. (Agric.) Leeds.
- Richardson, Prudence P., B.Sc.
(Econ.) Lond.
- Hunt, R. W. T., B.Com. Liv.
- Agric. Engineering*
- Chatterton, J., D.F.C., B.Sc.
Lond. 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
Asst. Lectr.
- 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.
2 Demrs.
- Horticulture*
- Hudson, J. P., M.B.E., G.M., B.Sc.
Lond.
Lectr. and Actg. Hd. of
Dept.
- Marston, Margaret E., B.Sc. Lond.
Lectr.
- Heydecker, W., B.Sc. Reading
Lectr.
- Dullforce, Winifred M. Asst. Lectr.
1 Demr.
- Poultry Husbandry*
- Shaw, R. B.
Lectr. and Hd. of Section.
- Nightall, E. W. Lectr.
2 Demrs.
- Veterinary Hygiene*
- Buxton, J. C., B.Sc. Hon. Lectr.
1 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.
- Diack, H., M.A. Aberd. Tutor.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Accountant: A. Hendry; Asst. Accountant: A. Bellamy; Asst. Registrar: A. Plumb, M.A. Camb.; Surveyor: J. W. Popplewell; Asst. Surveyor (School of Agric.): O. D. Maguire; Admin. Assts.: G. J. Eltringham, B.A. Sheff.; H. Harris, B.Sc. (Econ.) Lond. (School of Agric.).

LIBRARY. Sub-Librarian: C. S. Bayes, B.A. Lond.

CAREERS AND APPOINTMENTS BOARD. Sec.: G. R. Ricketts, B.A. Oxon.

WARDENS OF HALLS OF RESIDENCE. Hugh Stewart, P. P. Butters; Wortley, Prof. and Mrs. A. Radford; Florence Boot, Eileen M. Spelman, B.A. Lond.; Florence Nightingale, Helen A. Beecham, M.A. Oxon.

LODGINGS OFFICER. D. C. Singleton.

GENERAL INFORMATION

The Univ., formerly Univ. Coll., Nottingham, established in 1881 and incorporated in 1903, was constituted in 1948 by Royal Charter.

LIBRARY. The Library contains about 120,000 vols. and 39,000 unbound pamphlets. Special collections include the French Revolution and Napoleonic Collection, 2000 vols.; the Henry Mellish Meteorological Collection, 700 vols.; and the D. H. Scott Collection of 6200 pamphlets on Palæobot. The Library is an approved repository for manorial documents, and among the more important records are those relating to the Duke of Portland, Earl Manvers, Lord Middleton and the Archdeaconry of Nottingham. Current periodicals number over 500. The library at the School of Agric. contains over 5000 vols.

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 AND DEANS. Arts, Prof. F. Holdsworth (French); Educn., Prof. N. Haycocks; Pure Science, Prof. E. J. W. Barrington (Zool.); Agric. and Hort., Prof. H. G. Robinson (Agric.); Applied Science, Prof. F. B. Hinsley (Mining); Board of Studies in Law and Social Science, Prof. A. Radford (Soc. Admin.).

The School of Agriculture, comprising the Faculty of Agric. and Hort., is located ten miles from the University, between Nottingham, Derby and Loughborough. *Postal Address:* The Univ. of Nottm. School of Agriculture, Sutton Bonington, Loughborough. (*Telephone:* Kegworth 386.)

DEGREE COURSES. Pass degrees of B.Mus., B.Sc. (Agric.), B.Sc. (Hort.)—3 yrs.; pass degrees of B.Pharm., B.Sc. (Eng.), B.Sc. (Min.)—4 yrs.; Hons. degrees, B.Sc., B.Sc. (Eng.), B.Sc. (Min.)—4 yrs.; Hons. degrees, LL.B., B.A. (including Administration, Economics and Theology)—3 yrs. 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., but in the B.A., B.Sc. (Agric.) and B.Sc. (Hort.) there is no Inter. course, and no exemptions are granted. The minimum residence in the Univ. for graduation is 3 yrs. (under certain conditions grads. of other Univs., 2 yrs.). Students reading for the degree in Engin. may specialize in Civil, Mech. or Elect. Engin. in the last two yrs. of their course. Hons. students in French, German and Spanish spend the third term of the first year 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, for distinguished published contributions to learning. Ph.D.—v. p. 19. M.A., B.D., 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.Sc. in Mycology—

awarded on an examn. taken after an advanced course of at least 1 yr.'s duration. M.Ed.—may be conferred after at least 2 yrs. (pt.-time) of advanced work upon graduates of approved Univs. who have at least 2 yrs.' experience of work in Educn.; after a course of normally at least 4 yrs.' duration, on non-graduates with approved qualifications in the field of Educn. and at least 2 yrs.' experience of work in this field.

DIPLOMAS. Diploma in English Studies for Overseas Students—1 yr.; candidates must have qualifications comparable with those of a British graduate or be in possession of the Univ.'s Certif. in English Studies or equiv. qualification; Adult Educn., 1 yr. postgraduate.

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; 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.

FEES. Matriculation, £1 : 1s.; Registration, £1 : 1s.; *Tuition*: B.A., B.Mus. (3 yrs.), £94 : 10s.; LL.B. (3 yrs.), £75 : 12s.; B.Sc. (except in Maths. and Geog.), B.Pharm. (4 yrs.), £151 : 4s.; B.Sc. in Maths. (4 yrs.), £138 : 12s.; B.Sc. in Geog. (4 yrs.), £144 : 18s.; B.Sc. (Agric.), B.Sc. (Hort.) (3 yrs.), £132 : 6s.; B.Sc. (Eng.), 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., £8 : 8s.; LL.B., B.Mus., B.Pharm., B.Sc. (Agric.), B.Sc. (Hort.), £9 : 9s.; B.Sc., £11 : 11s.; B.Sc. (Eng.), B.Sc. (Min.), £12 : 12s.; Ph.D., £10 : 10s. *Graduation*: Bachelor's Degree, £5; Ph.D., £7.

UNIVERSITY EXTENSION. Adult Educn. is organized as a dept. of the Fac. of Educn. The Head of the Dept., a full-time Professor, is assisted by a Deputy Director of Extra-mural Studies, 13 full-time members of staff and many pt.-time tutors and lecturers. *Postal Address*: Univ. of Nottingham Adult Educn. Centre, 14 Shakespeare St., Nottingham. (*Telephone*: Nottingham 43022.) Lenton Hurst, in grounds adjoining Univ. Park, has been established as a residential College for Adult students. The Dept. is also responsible for Pilgrim Coll., a non-residential Adult Coll. in Boston, Lincs. (Warden: A. Champion, M.A. Camb.).

POSTGRADUATE SCHOLARSHIPS, ETC. Open only to graduates of the Univ.: Hugh Stewart Scholp. in Arts, £200 p.a.; Heymann Res. Scholp., preferably in Arts, £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. (For open awards see Appendix II.)

CAREERS AND APPOINTMENTS BOARD. (For Secretary see "Administrative and other Staff," *supra*.) The Board gives advice on careers and assists students to obtain posts on completion of their studies, and temporary employment during Univ. vacations.

NOTTING

GRADUATES' ASSOCIATIONS. *Convocati* Univ., together with Officers and members include nominating representatives on Co-communication with Court, Council or Senate Univ. *The Association of Past Students* in contact between past students of the Univ. Univ. All past registered day students of the Univ. are eligible for membership.

INSTITUTE OF EDUCATION, Redcourt, Derby Beeston 55591.) The Institute is responsible for examining students preparing to become teachers in adult educn. It also provides a variety of educn. in the area. The constituent colls. of the Univ. are Lincoln, Matlock and Nottinghamshire County Coll., Loughborough.

RESIDENCE. (For names of Wardens see "Administrative" *supra*.) For men: Hugh Stewart Hall—172 students, and "Vortice" Hall—120 students, adjoining Univ. Park. For women: Florence Boot Hall—120 students, in Univ. Park, with annexe Lenton Fields, 15 students; and Nightingale Hall—143 students, with annexe Lenton Eaves—15 students, adjoining Univ. Park. At the School of Agriculture, Sutton Bonington, there are Halls accommodating 96 men and 56 women. Fees in all Halls are £110 p.a. for single study bedrooms and £98 p.a. for shared study bedrooms, but the fees are subject to review at any time. Students not in Halls must live in Univ. Registered Lodgings.

UNIVERSITY MILITARY AND AIR FORMATIONS. The University Training Corps (T.A.) comprises sub-units of Infantry, Signals, Engineers, Intelligence Corps and R.E.M.E. Cadets enlist for 2, 3 or 4 yrs.; pay, allowances and uniform are on normal T.A. scales. Women undergraduates may become members of the University Company W.R.A.C. (T.A.) with similar conditions of service and privileges to those of men cadets in the U.T.C. The University Air Squadron is part of R.A.F. Reserve Command. Members sign on for 5 yrs. in the R.A.F. Volunteer Reserve, and receive flying training, with pay and allowances for training time and an annual grant of £35.

STUDENT ATHLETIC FACILITIES. The Univ. Playing Fields, nearly 40 acres in extent, adjoin Univ. Park, and provide for Rugby and Association football, hockey, cricket, net-ball and tennis. A new boat-house at Trent Bridge will shortly be opened. Badminton, basket-ball, fencing and table tennis are played in the indoor sports centre in Univ. Park. There is an indoor range attached to the U.T.C.

STUDENTS' UNION. There is a Union of Students for the promotion of corporate feeling and the general interest of students and to afford a recognized channel of communication between students and the Univ. authorities. All full-time students become members.

PUBLICATIONS. *Calendar*—10s., annually in Oct.; *Gazette* (Once a term); *Annual Report* (Dec.); *Faculty and Departmental Prospectuses*—1s. 6d., annually (Sept.); *Scholarships, Fellowships and Prizes*—1s., annually; *Courses in English Studies for Overseas Students, Regulations for Higher Degrees, General Regulations and Information for Students*—annually. *Regulations for Matriculation and Faculty Admission Requirements in and after 1951* (Aug. 1950). The *Bulletin* of the Institute of Education—1s. 6d. for 3 issues, published once a term. Students' Magazines: *The Gong*—1s., once a term;

PLAND

<i>Part-Time</i>	<i>Full-Time</i>
139	1459
25	524
164	1983

43 postgraduate students and 674 first-year

ture and Horticulture : B.Sc. (Agric.), 10 ;
 y, 6. Applied Science : B.Sc. (Eng.), 23 ;
 B.Sc. (Min.), 8 ; M.Sc. (Min.), 1. Arts : B.A. (Admin.), 8 ;
 A 1 ; LL.B., 9. Education : M.Ed., 4. Pure Science : B.Sc.,
 etPh.D., 3 ; D.Sc., 1 ; M.Pharm., 1.

aw b OF LONDON DEGREES OBTAINED. B.Sc. (Agric.), 1 ; B.A., 36 ;
 ion, B.Sc. (Econ.), 11 ; M.Sc. (Econ.), 1 ; B.Sc. (Eng.), 3 ; B.Pharm.,
 Cour, 2 ; Ph.D., 6.

er the
 ER DEVELOPMENTS. Purchase of three properties, Lenton Firs, Lenton
 o 'Nf, and The Orchards, totalling 95 acres, immediately to the north of the
 Dem University buildings. Purchase of St. Michael's Rectory, Sutton
 Bonington.

Institution of a Board of Studies in Law and Social Science to regulate
 study in the subjects Law, Social, Industrial and Public Administration.
 Economics, Economic History, Sociology, Philosophy, and Psychology and
 Geography, where these subjects are taken in conjunction with any of the
 foregoing.

UNIVERSITY OF OXFORD*

Founded in the 12th Century

Telephone : Registry—Oxford 47445.

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—Sir C. M. BOWRA, LL.D. Dub., M.A., D.Litt.,
F.B.A., Warden of Wadham.

PROCTORS—A. G. M. WEDDELL, M.A. Or. ; W. G. BARR, M.A. Exe.

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.

SECRETARY TO THE CURATORS OF THE UNIVERSITY CHEST—H. H. KEEN,
M.A. Ball.

NOTE.—The Colleges and Heads of Colleges are given on pp. 397 ff.

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.

Lecturers and Demonstrators

Carleton, Mrs. Alice B., M.A. Som.

Blackwood, Beatrice M., M.A.,
B.Sc. Som. (Ethnol.).

Bradford, J. S. P., M.A. Ch. Ch.
(Ethnol.).

Brice, W. P., M.A. Jes. (Ethnol.).

Barer, R., M.B., B.S. Lond., M.A.
Hertf.

Sinclair, D. C., M.A. Or.

Anglo-Saxon

Wrenn, C. L., M.A. Pemb.

Rawlinson and Bosworth
Prof.

Anthropology, Physical

Weiner, J. S., M.A. Hertf. Reader.

Member of the Association of Universities of the British Commonwealth.

Anthropology, Social

Evans-Pritchard, E. E., M.A.
All S. Prof.

Foster, M. B., M.A. Ch. Ch.
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.

Lecturers

Bohannon, P. J., M.A., B.Sc. Qu.
Steiner, F. B., M.A., D.Phil. Magd.

*Archæology, v. also Oriental
Langs.*

Beazley, Sir J. D., M.A. Linc.
(Classical A. and Art)

Lincoln Prof.

Hawkes, C. F. C., M.A. Keble
(European A.) Prof.

Dunbabin, T. J., M.A. All S.
(Classical A.) Reader.

Hamilton, R. W., M.A. Magd.
(Nr. Eastern A.) Sr. Lectr.

*Gray, Dorothea H. F., M.A. St.
Hu. (Homeric A.) Lectr.

Art

Gombrich, E. H. J., M.A. New
Coll. (Fine Art) Slade Prof.

Horton, P. F., M.A. New Coll.
(Drawing) Ruskin Master.

Pächt, O. E., M.A. Or. (Med. Art)
Lectr.

*Assyriology, v. Oriental Lan-
guages**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.

Lecturers and Demonstrators

Fisher, R. B., M.A., B.Sc., D.Phil.
St. Joh.

Ogston, A. G., M.A., D.Phil. Ball.
Nimmo Smith, R. H., M.A., D.Phil.

Univ.

Parsons, D. S., D.M. Mert.

.....

Sr. Res. Officer

Stocken, L. A., M.A., D.Phil. St.
Cath.

Graduate Asst.

Gascoyne-Cecil, R. A. V., M.A.,
D.Phil. Ball.

Botany, v. also Agriculture

Osborn, T. G. B., D.Sc. Manc.,
M.A. Magd. Sherardian Prof.

Reader, Lectr. and Demr.

James, W. O., M.A., D.Phil. Or.

Lecturers and Demonstrators

Hoyle, A. C., M.A., B.Sc. Pemb.

Harley, J. L., M.A., D.Phil.
Qu.

Burnett, J. H., M.A. Magd.

Clowes, F. A. L., M.A., D.Phil.
Magd. Fielding Curator.

Warburg, E. F., Ph.D. Camb.,
M.A. Ch. Ch. Druce Curator.

Celtic

Foster, I. I.I., M.A. Wales and
Jes. Jesus Prof.

Chemistry

Robinson, Sir R., O.M., D.Sc.
Durh., Liv., Lond., Manc. and

Wales, M.A. Magd., F.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.

Lecturers

Hume-Rothery, W., M.A., D.Sc.
Magd. (Metall.).

* C.U.F. Lecturer.

*Russell, A. S., M.C., D.Sc. Glas.,
M.A. Ch.Ch. (Chem.).

Lecturers and Demonstrators

Hammick, D. L., M.A., D.Sc. Or.
(Org. C.).

Aldrichian Praelector.

Hope, E., M.A. Magd. (Org. C.).

Plant, S. G. P., M.A., B.Sc., D.Phil.
Magd. (Org. C.).

Smith, J. C., M.Sc. N.Z., Ph.D.
Manc., M.A., D.Sc. New Coll.
(Org. C.).

Parkes, G. D., M.A., B.Sc., D.Phil.
Keb. (Org. C.).

Waters, W. A., M.A. Ball. (Org. C.).

Barltrop, J. A., M.A., B.Sc.,
D.Phil. B.N.C. (Org. C.).

Tomlinson, Muriel L., M.A.,
D.Phil. St. Hild. (Org. C.).

Polgar, N., M.A., D.Phil. St. Cath.
(Org. C.).

Brewer, F. M., M.A., B.Sc. Linc.
(Inorg. C.).

Irving, H. M. N. H., M.A., D.Phil.
St. Edm. H. (Inorg. C.).

Staveley, L. A. K., M.A. New Coll.
(Inorg. C.).

Linnett, J. W., M.A., D.Phil. Qu.
(Inorg. C.).

Woodward, L. A., M.A. Jes.
(Inorg. C.).

Richards, R. E., M.A., D.Phil.
Linc. (Inorg. C.).

Bowen, E. J., M.A., D.Sc. Univ.,
F.R.S. (Physical C.).

Thompson, H. W., M.A., B.Sc. St.
Joh. (Physical C.).

Bell, R. P., M.A. Ball. (Physical
C.).

Sutton, L. E., M.A., D.Phil. Magd.,
F.R.S. (Physical C.).

Lambert, J. D., M.A. Trin.
(Physical C.).

Barrow, R. F., M.A., D.Phil. Exe.
(Physical C.).

Hodgkin, Dorothy M., M.A., B.Sc.
Som., F.R.S. (Chem. Cry-
stall.).

Graduate Assistants

Danby, C. J., M.A., B.Sc., D.Phil.
St. Joh. (Physical C.).

Goldsworthy, L. J., M.A., B.Sc.
Magd. (Org. C.).

Classics, v. also Archæol. and
Greek and Latin Lit.

Dodds, E. R., D.Litt. Manc., M.A.
Ch. Ch., F.B.A. (Greek)

Reg. Prof.

Fraenkel, E. D. M., Dr. phil. Göt-
tingen, M.A. Camb. and
C.C.C. (Latin) Corpus Prof.

..... (Greek Lit.)

Reader.

Lecturers

*Watt, W. S., M.A. Ball. (Lat. Lit.).

*Wells, A. F., O.B.E., M.A. Univ.
(Lat. Lit.).

*Barrett, W. S., M.A. Keb. (Gk.
Lit.).

Meiggs, R., M.A. Ball. (Gk. Epi-
graphy).

*Bolton, J. D. P., M.A. Qu.

*Dover, K. J., M.A. Ball.

*Harrison, A. R. W., M.A. Mert.

*Hicken, Winifred F., M.A.,
D.Phil. L.M.H.

*Holladay, A. J., M.A. Trin.

*Russell, D. A. F. M., M.A. St.
Joh.

*Yorke, E. C., M.A. New Coll.

*Hartley, Mildred, M.A. Som.

*Burton, R. W. B., M.A. Or.

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. Or. and
Nuffield Prof.

Criminology

Grünhut, M., M.A. All S. Reader.

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. (International E.)

Nuffield Reader.

Lecturers

*Harrod, H. R. F., M.A. Ch. Ch.

Hugh-Jones, E. M., M.A. Keble.

*Wilson, T., M.A. Univ.

*Hall, Mrs. Laura M., M.A. Som.

*Ward-Perkins, C. N., M.A. Pemb.

Education

Jacks, M. L., M.A. Ball. Director.

Loukes, H., M.A. Jes. Reader.

Talbot, Elfrida M., M.A. St. Hu.

Lectr. and Tutor to

Women Students, and

Principal of the

Women's Hostel.

Lecturers 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.

Heafford, P. E., M.A. Univ.

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.

Smithers, G. V., M.A. Hertf.

(Eng. Lang.). Sr. Lectr.

Leishman, J. B., M.A., B.Litt. St. Joh. (Eng. Lit.) Sr. Lectr.

Lecturers

*Whitlock, 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.

*Bateson, F. N. W., M.A., B.Litt. Trin. (Eng. Lit.).

*Bennett, J. A. W., M.A., D.Phil. Magd. (Eng. Lit.).

* C.U.F. Lecturer.

- *Bamborough, J. B., M.A. Wadh.
- *Bryson, J. N., M.A. Ball.
- *Dobson, E. J., M.A., D.Phil.
Mert.
- *Horwood, F. C., M.A. St. Cath.
- *Houghton, Rev. R. E. C., M.A.
Pet. H
- *Ing, Mrs. Catherine M., M.A.,
D.Phil. L.M.H.
- *Lewis, C. S., M.A. Magd.
- *Morrison, Christine L., M.A. St.
Anne's.
- *Rice-Oxley, L., M.A. Keb.
- *Stewart, J. I. M., M.A. Ch. Ch.
- *Turville-Petre, Mrs. Joan E.,
M.A., B.Litt. Som.
- *Wilkinson, C. H., M.A. Worc.
- *Robson, W. W., M.A. Linc.
- *Mahood, Molly, M.A. Lond.,
M.A. St. Hu.
- *Brown, Ursula M., M.A. Som.
- *Bayley, P. C., M.A. Univ.
- *Bednarowska, Mrs. Dorothy M.,
M.A. St. Anne's
- *Bliss, A. J., M.A., B.Litt. Or. and
B.N.C.
- *Buxton, E. J. M., M.A. New Coll.
- *Graddon, Pamela O. E., M.A. St.
Hu.
- *Jack, I. R. J., M.A. Edin.,
D.Phil. B.N.C.
- *Ladd, C. A., M.A. Ch. Ch.
- *Ward, A., M.A. Wadh.

Forestry, v. also *Surveying*,
Rural Econ.

Champion, H. G., C.I.E., M.A.,
D.Sc. St. Joh. Prof.

Lecturers and Demonstrators

- Chalk, L., M.A., D.Phil. Univ.
- Day, W. R., M.A., B.Sc. Exe.
- Lloyd, A. H., M.C., M.A. Exe.
- Jones, E. W., M.A. Magd.
- Dimbleby, G. W., M.A., B.Sc.,
D.Phil. 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.

Edwardson, T. E., B.Sc. Edin.
Thompson, G. H., B.A., B.Sc. St.
Edm. H.

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.

*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.

*Schwarzschild, Luise A., M.A.
St. Anne's.

*Tyler, Annette E., M.A., D.Phil.
Som.

*Howarth, W. D., M.A. Jes.

*Crow, Mrs. Joan, M.A. L.M.H.

*Brumfitt, J. H., M.A. Univ.

*Garabedian, D., M.A. St. Cath.

*Rickard, P., M.A. Trin.

*Struth, M. Le V., M.A. Exe.

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.

* C.U.F. Lecturer.

Lecturers

- Steel, R. W., M.A. Jes.
 Martin, A. F., M.A. St. Joh.
 Beckinsale, R. P., M.A., D.Phil.
 St. Cath.
 Marshall, Mary, M.A. L.M.H.
 Paget, E., M.A. Pemb.
 Houston, J. M., M.A., B.Sc.,
 D.Phil. Hertf.
 Smith, C. G., B.A. Keb.

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.

Lecturers and Demonstrators

- Harrison, J. V., M.A. Ch. Ch.
 McKerrow, W. S., M.A. Univ.
 Whitworth, T., M.A., D.Phil. 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.
 Sr. Lectr.

Lecturers

- Sayce, Mrs. Olive L., M.A. St. Hu.
 Williams, W. D., M.A. St. Joh.
 Barlow, D., M.A. Qu.
 Calder, W. M., M.A. Qu.
 *Blochmann, Elisabeth F. E.,
 Ph.D. Gött., M.A. L.M.H.
 *Thomas, J. M., M.A. Wadh.

*Greek, Byzantine and Modern
Lang. and Lit.*

- Trypanis, C. A., M.A. Exe.
 Bywater & Sotheby Prof.
 Fletcher, R. A., B.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*

- Gipson, L. H., M.A. Qu. (Lehigh
 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.
 *Chilver, G. E. F., M.A., D.Phil.
 Qu.
 *Henderson, Mrs. Mary I., M.A.
 Som.
 *Lepper, F. A., M.A. C.C.C.
 *Stevens, C. E., M.A., B.Litt.
 Magd.
 Fraser, P. M., M.A. B.N.C.
 (Hellenistic H.).
 *Gray, E. W., M.A. Ch. Ch.
 *Hignett, C., M.A. Hertf.
 *Holroyd, M., M.A. B.N.C.

History of the British Empire

- Harlow, V. T., M.A., D.Litt. Ball.
 Beit Prof.

* C.U.F. Lecturer.

Madden, A. F., M.A., B.Litt.,
D.Phil. Ch. Ch. Beit Lectr.

History, Eccl., v. Theology

History, Econ. and Social

Briggs, A., M.A. Worc. Reader.
McFarlane, K. B., M.A. Magd.

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.
Werrham, R. B., 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).
*Taylor, A. J. P., M.A. Magd.
*Gibbs, N. H., M.A., D.Phil. Mert.
*Cox, A. D. M., M.A. Univ.
*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.

*Trevor-Roper, H. R., M.A. Ch. Ch.

*Barr, W. G., M.A. Exe.

*Allen, H. C., M.A. Linc.

*Bell, H. E., M.A. New Coll.

*Bromley, J. S., M.A. Keb.

*Costin, W. C., M.A. St. Joh.

*Deighton, H. S., M.A., B.Litt.
Pemb.

*Evans, Evangeline, M.A., B.Litt.
Som.

*Joll, J. B., M.A. St. Ant.

*Kemp, Betty, M.A. St. Hu.

*Leys, Mary D. R., M.A. St. Anne's.

*Bueno de Mesquita, D. M., M.A.
Ch. Ch.

*Prestwich, Mrs. Menna, M.A. St.
Hild.

*Smith, E. H. F., M.A. Pet. H.

*Somerset, H. V. F., M.A. Worc.

*Stuart, C. H., M.A. Ch. Ch.

*Thompson, A. F., M.A. Wadh.

*Wallace-Hadrill, J. M., M.A.,
Mert.

*Watson, J. S., M.A. Ch. Ch.

*Whiteman, Elizabeth A. O., M.A.
L.M.H.

*Butler, L. H., M.A. All. S.

*Carr, A. R. M., M.A. All. S.

*Colvin, H. M., M.A. St. Joh.

*Leyser, K. J., M.A. Magd.

*Woodforde, Rev. C. W., M.A.,
Litt.D. Camb., M.A., D.Litt.
New Coll.

*Stretton, H., B.A. Ball.

*Price, F. D., M.A., B.Litt. Keb.

*Brock, M. G., M.A. C.C.C.

*Cooper, J. P., M.A. All. S.

*Hale, J. R., B.A. Jes.

- *McManners, J., M.A. St. Edm. H.
 *Pelling, H. M., M.A. Qu.
 *Pitt, H. G., M.A. Worc.
 *Stone, L., M.A. Wadh
 *Stoye, J. W., M.A. Magd.
 *Williams, P. M., M.A. Trin. and
 Nuff.

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.

Lecturers

- Grayson, C., M.A. St. Edm. H.
 Rees, R. J. O., M.A. New Coll.
 *Bickley, Olga D., M.A. St. Hu.

Law, v. infra

Local Government

- Keith-Lucas, B., M.A. Qu.
 Sr. Lectr.

Logic

- Price, H. H., M.A., B.Sc. New
 Coll. Wykeham Prof.

Mathematics

- Coulson, C. A., M.A., Ph.D. Camb.,
 D.Sc. St. And., M.A. Wadh.,
 F.R.S. Rouse Ball Prof.
 Chaundy, T. W., M.A., D.Sc. Ch.
 Ch. Reader.
Lecturers

- *Haslam Jones, U. S., M.A.,
 D.Phil. Qu.
 *Thompson, J. H. C., M.A.,
 D.Phil. Wadh.
 *Ferrar, W. L., M.A., D.Sc. Hertf.
 *Thompson, E. C., M.A. Jes.

- *Kendall, D. G., M.A. Magd.
 *Busbridge, Ida W., M.A., D.Phil.
 St. Hu.
 *Sarginson, Kathleen, M.A. Som.
 Phillips, E. G., M.A., D.Phil.
 Magd.
 *Watson, P. D., M.A., D.Phil.
 Mert.

- *Mauldon, J. G., M.A. Jes.
 *Cobbe, Anne P., M.A. L.M.H.
 *Gillams, J. L., M.A. Ch. Ch.
 Barrett, M. G., B.A. Magd.

Jr. Lectr.

Mathematics, Pure

- Whitehead, J. H. C., M.A. Magd.
 Waynflete Prof.

Medicine, v. infra

Meteorology, v. also Philos. Expl.

- Brewer, A. W., M.Sc. Lond.
 Lectr.

Mineralogy and Crystallography

- Spiller, R. C., M.A. St. Cath.
 (Min.) Reader.
 Powell, H. M., Ph.D. Berl, M.A.,
 B.Sc. St. Joh., F.R.S. (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.
 Linc. (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.
 *Rose, B. W. G., M.A. Qu.

Lectr.

Numismatics

- Robinson, E. S. G., M.A. Ch. Ch.
 Reader.
 Sutherland, C. H. V., M.A., D.Litt.
 Ch. Ch. Lectr.

* C.U.F. Lecturer.

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., B.Litt. St.
Joh.

Berlin, I., M.A. All S.
Kneale, W. C., M.A. Exe.
Austin, J. L., M.A. Magd.
Robinson, Richard, 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.
Nowell-Smith, P. H., M.A. Trin.
Strawson, P. F., M.A. Univ.
Kneale, Mrs. Martha, M.A. L.M.H.
Anscombe, Gertrude E. M. (Mrs.
Geach), M.A. Som.

Beck, L. J., M.A., D.Phil. Mert.
Corbett, J. P., M.A. Ball.
Crombie, I. M., M.A. Wadh.
Dick, M. W., M.A. Ball.
Foot, Mrs. Philippa R., M.A. Som.
Foster, M. B., M.A. Ch. Ch.

Hampshire, S. N., M.A. New Coll.
Hare, R. M. M.A. Ball.
Mitchell B. G., M.A. Keb.
Mitchell, D., M.A. Keb.
Murphy, N. R., M.A. (Prin. of
Hertf.).
Turner, Rev. V. G., M.A. Camp. H.
Warnock, G. J., B.A. B.N.C.
McKie, J. I., M.A. B.N.C.

Philosophy, Experimental

Cherwell, Rt. Hon. Lord, Ph.D.
Berl., LL.D. Aberd., 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.
Lecturers and Demonstrators
(Physics)
Dobson, G. M. B., M.A., D.Sc.
Mert., F.R.S.
(P. & Climatol.) (title of
Prof.).

Keeley, T. C., M.A. Camb., 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. Ball.
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.
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Hertf.

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Joh.

*Philosophy, Mental, v. also
Logic*

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Philosophy, Moral

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M.A., D.Litt. C.C.C.
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Wykeham Prof.

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and Pub. Admin.

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M.A. Or.
McCallum, R. B., M.A. Pemb.

Portuguese Studies

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Lectr.

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Magd. Prof. and Director.
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(Gen. P.) Sr. Lectr.
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M.A. New Coll. (Exp. P.)
Sr. Lectr.

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D.Phil. Exe. (Social P.)

Lectr.

Kay, H., M.A. Camb. Lectr.

* C.U.F. Lecturer.

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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.

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Crowe, Sybil E., M.A. St. Hil.

Hargreaves, E. L., M.A. Or.

Tite, K., M.A. Magd.

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Andrews, P. W. S., M.A. New Coll. and Nuff.

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Henderson, P. D., M.A. Linc.

Little, I. M. D., M.A., D.Phil. Trin.

Perham, Margery F., M.A. St. Hu. and Nuff.

Chester, D. N., M.A. Univ.

Hicks, J. R., B.Litt., M.A. Ball. and Nuff., F.B.A.

Balogh, T., M.A. Ball.

Clegg, H. A., M.A. Magd. and Nuff.

Connell, K. H., M.A. Camb., M.A. Univ. and Nuff.

Elder, N. C. McA., M.A. St. Joh. and B.N.C.

Worswick, G. D. N., M.A. Magd.

Knapp, W. F., M.A. St. Cath.

Streeten, P. P., B.A. Ball.

Sociology

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Spanish

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King Alfonso XIII. Prof.

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Jiménez, Don A., Hon. M.A.

Lectr.

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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.

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Seers, D. G., M.A. Qu. (Ec. S.)

Lectr.

Surveying (for Engin., Agric., Forestry, Geog. Students, and Col. Admin. Services probrs.)

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Taxonomy, Animal

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(Demr. and Lectr.)

Theology, v. *infra*

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Zoology and Comp. Anat., and Zoological Field Studies, v. also Agric.

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Cath. (N. Test.).

..... (Hist. of Christian
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of Religion).

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*Kelly, Rev. J. N. D., D.D., Prin.
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*Porter, Rev. J. R., M.A. Or.

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Cross, Rev. Canon F. L., M.A.,
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Ch., F.S.A.

Reg. Prof.

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Kilpatrick, Rev. G. D., D.D. New
Coll. Dean Ireland's Prof.

Interpretation of Holy Script

.....

Oriel Prof.

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Ch. Ch.

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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.

**Sidney Ball Lecturer in
Economics**

1951, Citrine, Rt. Hon. Lord,
K.B.E.

Subject—*Problems of Nation-
alized Industries.*

Bampton Lecturer

(alternate years)

1952, Milburn, Rev. R. L. P., M.A.
Worc.

Subject—*Christian Interpret-
ation of History.*

George Eastman Visiting Prof.

1951, Stauffer, D. A., A.M.
Princet., M.A., D.Phil. Ball.

**Ford's Lecturer in English
History**

1950-51, Richmond, I. A., M.A.
C.C.C.

Subject—*Roman Britain.*

1951-52, Pares, R., C.B.E., M.A.
All S., Prof. of History,
Edinburgh.

Frazer Lecturer (Social Anthro-
pology—Oxford, Cambridge,
Glasgow, Liverpool in rota-
tion)

1950-51 (at Oxford)—Frankfort,
Prof. H., Ph.D. Leiden, M.A.
Lond., F.S.A., Director of
Warburg Inst., Univ. of
London.

Subject—*The Problem of
Similarity in Ancient Near-
Eastern Religions.*

Halley Lecturer

1951, Oort, J. H., Ph.D. Leiden,
D.Sc.

Subject—*Origin and Develop-
ment of Comets.*

Ratanbai Katrak Lecturer

(Study of Religion of Zoroaster)

Henning, W. B., Ph.D. Gött.

Romanes Lecturer

1951, Hankey, Rt. Hon. Lord,
P.C., G.C.B., G.C.M.G.,
G.C.V.O., Hon. D.C.L., F.R.S.
Subject—*The Science and Art
of Government.*

* C.U.F. Lecturer.

Herbert Spencer Lecturer

1951, Fyfe, Sir William Hamilton, M.A., Hon. Fellow Merton, LL.D., F.R.S.C.
Subject—*Education and Progress*.

Taylorian Lecturer

1951, Sarrailh, Prof. J., D.Litt.
Subject—*La Critique religieuse en Espagne à la fin du XVIII^e siècle*.

Sir Basil Zaharoff Lecturer

1951, Levailant, Prof. M., Sorbonne.
Subject—*Le Véritable Chateaubriand*.

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KEBLE COLLEGE. Founded 1870. *Telephone*: 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.
 Davidge, C. V., B.C.L., M.A., *Bursar*.

Hawkes, C. F. C., M.A., *Prof. of European Archaeol.*

Mitchell, B. G., M.A.

Stead, Rev. G. C., M.A., *Chaplain*.

Price, F. D., M.A., B.Litt., *Dean*.

Lecturers

Barrett, W. S., M.A., *Librarian*.

Bromley, J. S., M.A.

ST. PETER'S HALL. *Telephone*: Oxford 3063.

Master—Canon 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*.

Lampe, Rev. G. W. H., M.A. St. Joh.

Perman, R. C. D., M.A. Mert., U.
Lectr. (French).

Williams, W. D., M.A. St. Joh., U.
Lectr. (German).

Steel, R. W., M.A. Jes., U. *Lectr. (Geog.)*.

ST. ANTONY'S COLLEGE. Founded 1950 by the late Mr. Antonin Besse. Housed at 62 Woodstock Road, Oxford. *Telephone*: Oxford 4173.

Warden—F. W. D. Deakin, M.A.

Fellows

Hailey, P. C., M.A., *Bursar*.
 Joll, J. B., M.A.

Halban, H. H., M.A.

Wheeler-Bennett, J. W., M.A. Camb.,
 M.A.

ST. CATHERINE'S SOCIETY (*Non-Collegiate Students*). *Telephone*: 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.*).

Garabedian, D., M.A. (*French*).

Brewer, F. M., M.A., B.Sc. Linc.
(Chem.).

Horwood, F. C., M.A. (*English*), *Dean and Dean of Degrees*.

Phillips, E. G., M.A., D.Phil. (*Maths.*).

Williams, W. D., M.A., D.Phil.
(German).

Knapp, W. F., M.A. (*Pol.*).

Davidge, C. V., M.A. (*Law*).

Nimmo Smith, R. H., M.A. (*Physiol.*).

Permanent Private Halls

CAMPION HALL. (For members of the Society of Jesus.)

Telephone : Oxford 4342.

Master—Rev. T. Corbishley, M.A.

Taunton, Rev. C., *Bursar*.

Slattery, Rev. W. J., M.A., *Tutor*
(*Philos.*).

Lecturers and Tutors

Walker, Rev. L. J., M.A., *Dean*.

Turner, Rev. V. G., M.A., *Sr. Tutor*,
Lectr. (Philos.).

O'Hea, Rev. L., M.A.

Wingfield-Digby, Rev. J. R., M.A.,
Tutor, Lectr. (Mod. Hist.).

His Grace Archbp. Roberts, *Chaplain*.

ST. BENET'S HALL. (For members of the English Benedictine Abbey
of Ampleforth, Yorkshire.)

Telephone : 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.
Telephone : Oxford 2214.

Principal—Lucy Stuart Sutherland, C.B.E., M.A.

Fellows

*Lea, Kathleen M., M.A., *Vice-Principal (English)*.

*Anson, Christine, M.A., *Hall Sec.*

*Everett, Dorothy, M.A. Lond. and
Oxon., *Reader in Engl. Lang.*

*Sutherland, Mrs. D. Rhoda, M.A.
(*French Philol.*).

*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*.

*Westropp, Celia K. (Mrs. Price), M.A.,
D.M.

*Whiteman, E. Anne O., M.A. (*Mod.*
Hist.).

*Hicken, Winifred F., M.A. (*Classics*).

Research Fellows

Jeffery, Lilian H., M.A.
Coate, Mary, M.A.

Tutors

Crow, Mrs. Joan, M.A. (*French*).
Kean, Patricia M., M.A. (*Engl.*).

Librarian

Nugent, Mary V., M.A.

Steward

Agate, Joan.

Lecturers

Marshall, Mary, M.A. (*Geog.*).
Ing, Mrs. Catherine M., M.A. (*Engl.*
Lit.).

Cobbe, Anne P., M.A. (*Maths.*).

Tutt, Margaret L., M.A. (*Chem.*).

Buckatzsch, Mrs. Wilma B., M.A.
(*Zool.*).

* Official Fellow.

SOMERVILLE COLLEGE, founded as Somerville Hall in 1879. *Telephone*: Oxford 4195.

Principal—Janet M. Vaughan, O.B.E., D.M., M.A.

*Evans, Evangeline, O.B.E., M.A.,
B.Litt., *Treasurer, Lectr. (Mod
Hist.)*.

Tutors

*Lascelles, Mary M., M.A., B.Litt.,
Vice-Principal (Engl. Lit.).

*Henderson, Mrs. M. Isobel, M.A.,
(*Anc. Hist.*).

*Starkie, Enid M., M.A., D.Litt.,
Reader in French Lit.

*Hartley, Mildred, M.A. Camb. and
Oxon. (*Classics*).

*Hodgkin, Mrs. Dorothy M., M.A.,
B.Sc., F.R.S. (*Nat. Science*), U.
Demr. (Inorg. Chem.).

*McKisack, May, M.A., B.Litt. (*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.*).

*Brown, Ursula M., M.A. (*Engl.
Lang.*).

*Foot, Mrs. Philippa R., M.A.
(*Philos.*).

*Banister, Rachel J., B.Sc. Edin., M.A.
(*Physiol.*).

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

Sayce, Mrs. Olive L., M.A. (*German*),
U. Lectr. (*German*).

Turville-Petre, Mrs. Joan E., M.A.,
B.Litt. (*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. *Telephone*: Oxford 48241.

Principal—Evelyn E. S. Procter, M.A.

Research Fellows

Seaton, Mary E., M.A.

Smith, Hon. Honor M. V., M.A.

Tutors

*Francis, Elizabeth A., M.A. Lond.
and Oxon. (*French*).

Headlam-Morley, Agnes, M.A., B.Litt.
(*Politics and Econ.*), *Montague
Burton Prof. of Internat. Rela-
tions, Professorial Fellow*.

*Gray, Dorothea H. F., O.B.E., M.A.
(*Classics*), *Sec. to Council, U.
Lectr. (Homeric Archaeol.)*.

*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.*).

Gradon, Pamela O. E., Ph.D. Lond.,
M.A. (*Engl. Lang.*).

Lecturers

Warnock, Mrs. Helen M., M.A.
(*Philos.*).

Wood, Mrs. Susan M. C., M.A.
(*Medieval Hist.*).

Bleaney, Mrs. Betty I., B.A. (*Physics*).
..... *Treasurer*.

Worner, Edith M., *Bursar*.

Aspin, Isobel S. T., 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. *Telephone*: Oxford 3121/3122.

Principal—Julia de L. Mann, M.A.

Tutors

- *Whitelock, Dorothy, M.A. Camb. and Oxon., F.S.A., F.R.Hist.S. (*Engl. Lang.*).
- *Gardner, Helen L., M.A. (*Engl. Lit.*).
- *Crowe, Sybil E., Ph.D. Camb., M.A., Camb. and Oxon. (*Politics*).
- *Smalley, Beryl, M.A., Ph.D. Manc. F.R.Hist.S. (*Mod. Hist.*).
- *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., M.A., *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*.
- Creed, Mrs. Sybil, M.A., *Res. Fellow*.
- Philp, Barbara B., M.A., *Asst. Coll. Sec.*.
- Fellowes, Helen L., *Asst. Bursar*.

ST. ANNE'S SOCIETY, founded in 1879. *Telephone*: Oxford 2880. The Governing Body is the Univ. Delegacy of St. Anne's Society.

Principal—Hon. Eleanor M. Plumer, M.A., 1 South Parks Rd., Oxford.

Tutors

- Ady, Miss Peter H., M.A. (*Econ.*).
- Barnes, Mrs. Annie M., M.A., D.Phil. (*French*).
- Bastock, Margaret, B.A. (*N.Sc.*).
- Griffiths, Mary E., M.A. (*English*).
- Leys, Mary D. R., M.A. (*Mod. Hist.*).
- Morrison, Christine L., M.A. (*English*).
- Murdoch, Jean I., M.A. (*Lit. Hum.*).

- Reeves, Marjorie E., M.A. (*Mod. Hist.*), *Vice-Principal*.
- Schwarzschild, Luise A., M.A. (*Old French*).
- Lecturers
- Bednarowska, Mrs. Dorothy M., M.A. (*English*).
- Mitchell, Mrs. Barbara M., M.A. (*Classics*).

The students keep statutable residence under conditions approved for them by the Delegates of Lodgings. They normally live in hostels or in approved houses but they may live in their own homes if they wish. The Society now has six hostels of its own, and there are also two maintained by Religious Orders. Students over 25 yrs. of age are permitted to live in lodgings.

NUFFIELD COLLEGE, founded in 1937 by the Viscount Nuffield "to encourage research especially but not exclusively in the field of social studies and especially by making easier the co-operation of academic and non-academic persons." *Telephone*: Oxford 48014.

Warden—A. Loveday, D.Litt. McG., M.A.

Official Fellows

- Perham, Margery F., M.A.
- Fogarty, M. P., M.A.

- Chester, D. N., M.A. Camb., M.A.
- Hicks, J. R., B.Litt., M.A., F.B.A.
- Andrews, P. W. S., B.Sc. Lond., M.A.

* Official Fellow.

Robinson, K. E., M.A., *Reader*
(*Colonial Admin.*).

Clegg, H. A., M.A.

Connell, K. H., B.Sc. (Econ.), Ph.D.
Lond., M.A.

Williams, P. M., 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., *Warden of*
All S., Drummond Prof. of Polit.
Econ.

Goodhart, A. I., K.C., O.A., I.L.D.
Camb., M.A., D.C.L. Univ., *Prof.*
of Jurispr.

MacDougall, G. D. A., C.B.E., M.A.,
Nuffield Reader in International
Economics.

Research Fellows

Seton, F., M.A.

Hickinbotham, A. E., M.A. Camb.
(*Gwilym Gibbon*).

Faculty Fellows

Beloff, M., M.A., B.Litt., *Reader*
(*Comp. Study of Institutions*).

Nicholas, H. G., M.A. New Coll., U.
Lectr. (Politics).

Murray, K. A. H., B.Sc. Edin., Ph.D.
Corn., B.Litt., M.A., Rector of
Lincoln Coll.

Wilson, T., O.B.E., Ph.D. Lond.,
M.A., Univ.

Keith-Lucas, B., M.A., *Senr. Lectr.*
(*Local Govt.*).

Visiting Fellows

Lindsay of Birker, Lord, C.B.E.,
LL.D. Glas. and St. And., M.A.
Ball.

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.

Hanbury-Williams, Sir John.

Crawford, J.

Rennell, Lord, K.B.E., C.B., M.A.

Layton, Lord, C.H., C.B.E.

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. *See under* "University Administrative and other Staff," *supra*.

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 or in their own homes in Oxford) 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: 1951-52—Oct. 14 to Dec. 8; Jan. 20 to March 15; April 27 to June 21.

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 Modns., (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, German, Ital., Span., Russian, Mediæval and Mod. Greek, or Portuguese); Philos., Politics, and Econ. (Modern Greats); Geog.; Agric.; Forestry; Psych., Philos., and Physiol.; Music.

Under certain conditions, members of other Univs. and officers not under 21 yrs. of age who have held for not less than 3 yrs. a Commission in H.M. Regular Forces, and been seconded or specially relieved from active duty by the Admiralty, War Office, Air Ministry, or India Office for the purpose of attending an academic course of not less than 2 yrs., may be admitted to the status of "Senior Student" and "Service Student" respectively, and obtain 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. Appendix I).

ADVANCED STUDY AND RESEARCH. The DEGREES B.Litt. and B.Sc., instituted in 1895 in order to encourage special study and research, are granted upon the satisfactory completion of an approved course of special study or research pursued under supervision and for the most part at Oxford and of at least 6 terms' residence. Application to enter upon such a course may be made by any person who produces sufficient evidence of his ability and (1) is a member of the Univ. who has passed the examns. for the degree of B.A., or (2) has taken an approved degree at an approved Univ., or (3)—for the B.Litt.—has obtained an Oxford diploma with distinction, or is held by the Board of the Faculty to be fully qualified to engage in research. Applications must in all cases be made to the 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 D.Phil., instituted in 1918 (v. p. 19).

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 honrs. 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. with 1st or 2nd class honours in Music and have also passed an examn. in Music and composed a Musical Exercise under conditions laid down by Statute. Residence for 9 terms is required. A B.Mus. may qualify for the degree of D.Mus. by submitting a musical composition for approval and passing a further examn. in Music, but cannot submit a composition until the 9th term after his admission to the Baccalaureate.

DIPLOMAS. Many of these are open to persons who are not members of the Univ. Minimum courses and addresses of Secretaries from whom particulars can be obtained :

Education, 1 yr. (or Vacation course, 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 Director, Agricultural Econ. Research Inst., Parks Rd.

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.

Law, min. 1 yr., Sec. of Facs. (open only to members of the Univ.).

Certificates: Physical or Cultural Anthropology, 3 mos., 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. (*Telephone*: 2488.)

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 join the R.A.F. Volunteer Reserve. 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 for an 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. (*Telephone*: 3321.)

The DEPARTMENT OF EDUCATION (*Address*: 15 Norham Gardens; *Telephone*: 2174), 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, 11 are for Engl., Hist., Greek, and Latin; 1 (c. £80) is for Ment. and Mor. Philos.; 1 (c. £100) for Maths.; 10 (c. £1530) for Med. and Nat. Science; 2 (£280) for Law; 4 (£420) for Theol.; 3 (£530) 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 (2 annually, £100 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 Archaeology at Rome; the Bryce Research Studentship (annually, £240 for 1 yr.) for History; the Beit Sr. Research Scholarship (up to £250 for 1 yr., occasionally).

There are also *Travelling Fellowships, 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 mos. must be spent abroad); the Heath Harrison Travelling Scholarships (about 12 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, about £80) 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) and the Radcliffe Travelling Fellowship (£300 p.a. for 2 yrs., one awarded annually) 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, kindness, 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 school-mates."

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. 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, 1949-50, 201 (98 from the Brit. Commonwealth and 103 from the U.S.A.).

General. Candidates must be between 19 and 25 years of age and unmarried. They must be citizens of the country from which they come—usually with 5 yrs.' domicile; and must have at least 2 yrs.' standing at a regular degree-granting College or Univ., except in a few special cases. Detailed information for each country may be obtained from the offices of the Rhodes Trust, 36 Beaumont Street, Oxford.

Secretary to the Rhodes Trustees—The Lord Elton, 36 Beaumont Street, Oxford (Telephone: 48163). *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 (Telephone: 2170; Telegrams: Augury, 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. Wadh.; Asst. Sec., J. D. P. Tanner, B.A. B.N.C.; Asst. Sec. (Tech.), A. W. Selwyn, M.A. B.N.C., 41 St. Giles'. Telegrams: Appointments, Oxford. Telephone: 3225.

1950: 670 permanent appointments, including: Government, 112; Education, 258; Commerce and Industry, 269; Journalistic, etc., 22; Miscellaneous, 9. Temporary, 95.

WOMEN'S APPOINTMENTS COMMITTEE. Sec., Doris M. Fone, M.A., 41 St. Giles', Oxford. Telephone: 2104. Hours, 9-5, Sats. 9-12.

1950: 144 appointments, including: Government, etc., 22; Commerce and

* Two each to Quebec and Ontario.

Industry, 30 ; Social Service, 11 ; Secretarial, 20 ; Literary and Research, 15 ; Educational, 34 ; Miscellaneous, 1 ; 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 *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 Librarian.).

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 Indian studies. There is also in the Indian Institute a museum illustrating Indian antiquities and Indian life.

Rhodes House Library (history of the British Commonwealth and the U.S.A.).

The **TAYLORIAN LIBRARY** (Modern Languages and Literature), 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—Mary C. Draper) ; the English Library (Examination Schools) (Librarian—.....) ; 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* (Telephone : 2467) and *Museum area*, Parks Road and South Parks Road, include 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, Beaumont Street (Telephone : 2522) (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, Pre-historic, 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 (Telephone : 3997) (Curator—C. H. Josten, M.A. B.N.C.) in the Old Ashmolean building, Broad Street, illustrates the history of scientific studies, especially in Oxford, by contemporary instruments, engravings, and books.

The Pitt Rivers Museum, Parks Road (Telephone : 2467) (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), South Parks Road (Telephone : 3257)—Professor H. G. Champion, C.I.E., M.A., D.Sc. St. Joh.—trains students for the B.A. Honours degree and the postgraduate Diploma and also those selected for Colonial Forest Service Probationerships; it provides refresher courses for forest officers of the Commonwealth and others, undertakes the structural examination and identification of woods and the identification of trees, and carries out research on biological and economic problems bearing on forestry. The Department is financed jointly by the University, the Colonial Office and Governments, the Forestry Commission, India and other smaller contributors.

THE DEPARTMENT OF AGRICULTURE, Parks Road (Telephone : 3322). Prof. G. E. Blackman, M.A. St. Joh., is responsible for the teaching of agriculture for the Honour School. Such teaching is undertaken in collaboration with the *Agricultural Economics Research Institute*, Parks Road (Telephone : 2775)—Director, A. W. Ashby, M.A. Linc. The Institute runs a postgrad. 1-yr. course for the Dipl. in Agric. Economics. The Dept. of Agriculture is actively engaged in research in the fields of crop physiol. and experimental agronomy, with especial reference to the development of selective herbicides and the application of radioactive isotopes to biological investigations. Facilities for research are available both within the Dept. and at the Univ. Field Station, Wytham. The Inst. covers a wide field of research in agricultural economics.

THE NUFFIELD INSTITUTE FOR MEDICAL RESEARCH, Woodstock Road (Telephone : 3713), founded 1935. Director—G. S. Dawes, D.M., B.Sc. Worc. The Institute is housed in the old Radcliffe Observatory, which, with its surrounding grounds, was purchased by Lord Nuffield from the Radcliffe Trustees and presented to the Univ. to be converted for its present purpose. The Board of the Faculty of Medicine is required to make provision in the Institute for the study of clinical, physiological, pharmacological, and anatomical problems by means of radiological and allied techniques, including X-ray cinematography, for so long as it may think desirable, and for such other subjects of study as it may from time to time determine.

THE 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. (Telephone : 2722.)

UNIVERSITY OF OXFORD INSTITUTE OF EXPERIMENTAL PSYCHOLOGY, 34 Banbury Rd. (*Telephone* : 2080), founded 1936. Director—Prof. G. Humphrey, M.A. Magd.; Sr. Lectrs.—O. L. Zangwill, M.A. New Coll. (Gen. Psychol.); B. Babington-Smith, M.A. (Exp. Psychol.); Lectrs.—C. T. W. Curle, M.A., B.Sc., D.Phil. (Soc. P.); H. Kay, M.A. Camb.

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 (*Telephone* : 4261) and the EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY (*Telephone* : 47826) (first established by Statute of the Univ. in 1938). Now housed at the Old Botanical Lab., High St., Oxford. The work of the Dept. of Zoological Field Studies 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 (*Telephone* : 47257). 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 during their clinical training. 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 has a library and offices at 2 South Parks Road (*Telephone* : 4656), near Rhodes House. 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 Oct. 1948 by the Committee for Colonial Studies. Dir.: Sir R. Bullard. Sec. to the Committee: Mrs. Mary 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. (*Telephone* : 4075.)

Catholic Workers' College, 1 Walton Well Road (*Telephone* : 3220) (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. (*Telephone*: 3420) (1899). Principal—H. D. Hughes, M.A.

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.

Ruskin School of Drawing and Fine Art, Ashmolean Museum (*Telephone*: 3244), founded by John Ruskin, 1871. Ruskin Master of Drawing—P. F. Horton, M.A.

A course of training for the Certificate in Fine Art is open to full-time students of the Ruskin School of Drawing. Fees, £10:10s. per term. Further particulars from the Ruskin Master.

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 Examinations, the minimum entrance requirements of London and other Univs., and the Preliminary examns. of various professional bodies, etc. For L.E.A. and State Scholps., see p. 20. The Regulations of the Bd. are published by the Oxford and Cambridge Univ. Presses (post free 1s. 9d.). Secretaries: at Oxford—G. J. R. Potter, M.A., 74 High Street (*Telephone*: 3549); at Cambridge—A. E. E. McKenzie, M.A., 10 Trumpington Street (*Telephone*: Cambridge 4658).

The OXFORD DELEGACY OF LOCAL EXAMINATIONS, Merton Street (*Telephone* 2456), will hold examinations and award a General Certificate of Education in the summer and autumn, at centres in Gt. Britain and Northern Ireland, in Malta, and at a few other overseas centres. Successful candidates will, on certain conditions, be exempted from Responsions, the Cambridge Previous, various matricn. examns. and Univ. Intermediate Examns. State Scholps. and Major Scholps. of certain Local Education Authorities are awarded on the results of the General Certif. of Educn. The Regulations (post free 2s. 6d.) 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.

In Dec. 1950 the School Certif. Examn. was held at 289 Centres (of which 2 were overseas). The total number of candidates was 3777.

In summer 1950 the Higher School Certif. Examn. was held at 310 centres, and the School Certif. Examn. at 671 Centres (of which 9 were overseas). The total number of candidates was 22,397, viz. Higher School Certif., 2936; School Certif., 19,461.

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 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 F. V. Pickstock, M.A.

(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 Supervisor of Studies is D. J. Wenden, M.A.

The offices of the Delegacy and its Committees are at Rewley House, Wellington Square, Oxford. (*Telephone* : 47203.)

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.

VACATION COURSES. *See under* Extra-mural Studies on p. 426.

UNIVERSITY PRESS. The University Press is a dept. of the University controlled, through their Secretary, by a board consisting of the Vice-Chancellor and Proctors and ten Delegates appointed from members of Convocation. Its headquarters are at Oxford, in the Clarendon Press building,

where are also the publishing dept. responsible for learned books, and the printing works. Books produced at Oxford are distributed by the Publisher to the University in London, who himself publishes for the University other classes of less learned books. In addition to these depts., and a paper-mill at Wolvercote, Oxford, the Press also owns and controls branches overseas, for the production of books of local interest as well as the sale of those produced in England.

STUDENT HEALTH SERVICE. The University has adopted a scheme for a health service for undergraduates which is to be introduced in 1951-52, and is on similar lines to that in existence at Cambridge. The service is to be paid for by the University, so that it will be without cost to the colleges or undergraduates. Its purposes are to provide health examinations, including a miniature chest X-ray for first-yr. undergraduates, and health advice to individuals or to college authorities seeking it. No treatment will be undertaken, but where examinations reveal conditions requiring treatment undergraduates will be referred to their own general practitioners. Both health examination and chest X-ray will be voluntary unless individual colleges decide otherwise.

PRINCIPAL STUDENT ATHLETIC FACILITIES. There are facilities at Oxford for the following games and athletic pursuits: boating, athletic sports, cricket, Association football, Rugby football, golf, relay races, running, hockey, ice hockey, lawn tennis, polo, tennis, rackets, squash rackets, boxing, fencing, lacrosse, swimming, yachting, shooting, badminton, jiu-jitsu.

PUBLICATIONS. *Calendar* (Jan.), 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 1950). Honours, 1901-30, are given in the *Supplement to the Historical Register*, 7s. 6d. net, together with much other historical information. A *Supplement* to include honours from 1931 to 1950 is about to be published. 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.), free; *Natural Science Preliminary Examn. Regulations* (6d. net, by post 7d.); *Statuta* (Oct.), 10s. net; *Examn. Statutes* (Sept.), 3s. 6d. net (post, 4s.); *Pocket Diary* for academic year (Oct.), 7s. 3d. net (by post 3d. extra); *Resident Members*, with their addresses, 6s. net per term, by post 6s. 3d.; *Oxford and Cambridge Schools Examn. Board*, Annual Report (1s. net, by post 1s. 3d.); *Regulations*, 1s. 6d. net each (post 1s. 9d. each), Lists of Successful Candidates, and Papers of the School Certificate Examinations. All the above are obtainable from the Oxford University Press, Press Road, Neasden, London, N.W.10, as are likewise the official *University Gazette* (annual subscription, 10s. 6d. post free) and the *Oxford University Press General Catalogue*. Unofficial periodicals: *Oxford Magazine* (during term), 6d.; *Oxford* (annually), 1s. 6d. net; *Isis* (during term), 6d.; *Cherwell* (during term), 6d. Among other sources of information regarding the University 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 1949-50

BENEFACTIONS. Gifts for the Ashmolean Museum from the National Art Collections Fund and an anon. benefactor; gift from A. A. Houghton, Jr., and bequest from Mrs. Isabella F. Littledale for Bodleian Library; grants from (a) Egyptian Educn. Bureau for prizes for encouragement of Egyptian studies; (b) Royal Society for Dept. of Human Anat.; (c) National Council to Combat Blindness; (d) Hydrocarbon Research Group of Inst. of Petroleum for Physical Chem. Lab.; gift from Goldsmiths' Company for Museum of History of Science; gift from Messrs. Smith, Kline, and French, of Philadelphia, U.S.A., for apparatus for use in Dept. of Human Anat.; £100 from British Iron and Steel Research Assoc. towards cost of Dr. Hume-Rothery's monograph; £2980 from various donors towards purchase of Prof. Cole's collection of books by Warden and Fellows of Nuffield Coll.; £9000 from Oxford Univ. Provident Assoc. for Walter Gordon (Undergraduates) Fund for medical aid; 4 grants from the Rockefeller Foundation; 2 grants from the Nuffield Foundation; anon. gift for res. in evolution in Dept. of Zool. and Comparative Anat.; gift from Miss C. M. Rivington for graduate studentship to replace Gilchrist studentship; bequests from (a) Mrs. Mary Hope Greg for the benefit of Women's Societies; (b) Bishop H. Henson for founding lectureship; (c) Mrs. Rebecca McKean for neurological res. work in Nuffield Dept. of Surg.; (d) Rev. M. P. M. McLean for use by Savilian Professor of Astron.; (e) Mrs. E. L. Thornton for the Nuffield Lab. of Ophthalmol.; (f) Miss V. E. L. Doorly for a travelling bursary for women students of French.

NEW BUILDING. Imperial Forestry Institute.

NEW POST. Nuffield Readership in International Economics.

OTHER DEVELOPMENTS. Creation of Honour School of Music. Abolition of Pass Moderations. Increase in number of C.U.F. Lecturers. Abolition of post of Dean of the Medical School. Recognition of Halifax House as a social centre for graduates.

LEGISLATION AND CHANGES IN REGULATIONS. (*Professorships, Readerships, and Lectureships.*) 2 Professorships raised to Schedule A; Professor F. E. Simon made Schedule A Professor in Thermodynamics by Decree (personal to himself); stipend of Professor of Poetry raised; Fellows of Nuffield College made eligible for C.U.F. Lectureships. (*Examinations, Scholarships, Prizes.*) Revision of structure of, and of fees payable for, Responsions; widening of scope of Preliminary Examn. in Natural Science; changes in regulations for Degree of M.Ch. and for Hon. School of Natural Science; administrative changes in regard to Degrees of B.Sc., B.Litt., B.Phil.; Statute allowing transfer of Advanced and B.Litt. students to B.Phil. status; period of notice

for late entries for examns. shortened; examn. concessions to African and Oriental students; changes in Diploma and Certificate in Anthropol.; Dominion medical scholars qualified for senior status.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. Ryckmans, Louvain (Oriental Studies); Prof. van den Berck, Louvain (Psychol.); Prof. Brachet, Brussels (Biochem.); Prof. Bacq, Liège (Biochem.); Prof. Duyvendak, Leiden (Chinese); Prof. W. E. Binkley, Ohio Northern Univ. ("President and Congress"); Prof. E. B. Wilson, Harvard (Chem.).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. J. Jewkes to Rotterdam School of Economics (Economics); Prof. F. E. Simon to Technical High School, Delft (Thermodynamics); Prof. E. C. Titchmarsh to Liège (Geom.); Mr. D. J. Finney to Institut Agronomique de Gembloux (Design and Analysis of Scientific Experiment); Prof. G. R. Driver to Louvain (Semitic Studies); Prof. K. G. Feiling to Toronto (Mod. Hist.); Prof. Sir John Beazley to California (Sather Lectures on Classical Archæol. and Art); Prof. E. R. Dodds to California (Sather Lectures on Classical Lit.); Prof. I. Chassar Moir to Queen's University, Kingston, Canada (Exchange Professorship in Obstetrics and Gynæcol.); Prof. T. P. Kilner to Turkey (Plastic Surg.); Prof. R. Syme to New Zealand (Anc. Hist.).

RETIREMENTS. Sir Richard Livingstone from Presidency of Corpus; Canon D. C. Simpson from Oriel Professorship of Interpretation of Holy Scripture; Canon L. W. Grensted from Nolloth Professorship of Philos. of the Christian Religion; Dr. K. G. Feiling from Chichele Professorship of Mod. Hist.; Dr. J. A. Douglas from Professorship of Geol.; Prof. G. Rudler from Foch Professorship of French Lit.

RESIGNATIONS. Sir Kenneth Clark from Slade Prof. of Fine Art; Rev. H. E. W. Turner, Fellow of Linc., on appt. to Divinity Professorship at Durh.; D. L. Page, student of Ch. Ch., on appt. as Regius Prof. of Gk. at Camb.; Prof. W. K. Hancock from Chichele Professorship of Economic Hist., on appt. as Director of Inst. of Commonwealth Studies, London Univ.; F. Sherwood Taylor from Curatorship of Museum of Hist. of Science, on appt. as Keeper of Science Museum, S. Kensington.

DEATHS. T. W. Allen; Rev. T. T. Blockley; Lord Bradbury; J. H. Burn; Dr. E. G. Dowdell; Rev. R. W. F. Fletcher; Prof. B. G. Gunn; Sir Wm. Graham Harrison; L. K. Hindmarsh; Rev. K. K. M. Leys; Prof. E. A. Milne; L. L. F. R. Price; Most Rev. D. L. Prosser; Prof. J. Ryle; C. N. Seddon; Field-Marshal Smuts; Rev. J. H. Weatherall.

HONORARY DEGREES. *D.C.L.*—Rt. Hon. Visc. Addison, formerly Prof. of Anat., Sheffield, and holder of many Govt. offices; Sir G. F. M. Campion, late Clerk to the House of Commons; J. W. Davis, formerly American Ambassador to Court of St. James's; Sir H. B. Hartley, formerly Fellow, now Hon. Fellow, Balliol; J. F. Mountford, Vice-Chancellor, Univ. of Liverpool. *D.Litt.*—J. J. L. Duyvendak, Prof. of Chinese, Leiden; S. Nordal, Prof. of Icelandic Lit., Univ. of Iceland; R. H. Tawney, Prof. of Ec. Hist., London School of Economics. *D.Sc.*—G. W. Corner, Dir., Carnegie Inst. of Embryol., Baltimore; Dr. L. S. B. Leakey, Dir., Coryndon Museum, Nairobi; M. W. Woerdeman, Prof. of Anat. and Embryol., Amsterdam. *M.A.*—G. T. Hollis, Medical Editor, Oxford Univ. Press; Mrs. Ada C. Notestein, late President of Radcliffe Coll., Camb., Mass., U.S.A.; H. W. Spicer, music teacher in Oxford schools for 40 yrs.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	6260
Women	..	1063
Total	..	7323

Included in the above are 761 postgraduate students and 2390 persons entering the University for the first time.

DEGREES. *Arts*: B.A., 1875; M.A., 1045; D.Litt., 2; B.Litt., 50; B.Phil., 7. *Div.*: B.D., 3; D.D., 2. *Law*: B.C.L., 28; D.C.L., 2. *Med.*: B.M., 73; M.Ch., 1; D.M., 12. *Music*: B.Mus., 5; D.Mus., 0. *Sci.*: B.Sc., 46; D.Sc., 2. *All Facs.*: D.Phil., 135.

UNIVERSITY OF READING*

Founded 1926

Postal Address : The University, Reading, Berks.

Telephone : Registrar—Reading 4422.

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., M.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.

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 Paint-
ing).

Ormrod, F. (Design).

McCance, W. (Typog., etc.).

Davies, T. Barry (Art Educn.).

Redman, H. V. Asst. Lectr.

1 Teacher (Woodwork Construc-
tion).

Biochemistry, v. Agr.

Botany, v. also Agr.

Harris, T. M., M.A., Sc.D. Camb.,
B.Sc. Lond., F.R.S. Prof.

Lecturers

Hora, F. B., B.A., D.Phil. Oxon.

Maxted, Mrs. Barbara, B.Sc.,
Ph.D. Lond.

Watson, E. V., B.Sc., Ph.D.
Edin.

Warren Wilson, J., B.A. Oxon.

Asst. Lectr.

Chemistry, v. also Agr.

Guggenheim, E. A., M.A., Sc.D.
Camb., F.R.S. Prof.

Lecturers

Cheesman, G. H., B.Sc., Ph.D.
Lond., D.I.C., F.R.I.C.

Maxted, D. R., B.Sc. Lond.

Holt, P. F., B.Sc., Ph.D. Lond.

Sessional Lecturers

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).

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

Halberstadt, E. S., B.Sc., Ph.D.
Lond.
Prue, J. E., B.A., B.Sc., D.Phil.
Oxon.
Leese, C. L., B.Sc. Lond.
Asst. Lectr.

Classics

Cormack, J. M. R., B.A. Camb.,
M.A. Aberd. Prof.
Dunston, A. J., B.A. Camb., B.A.
Lectr.
Williams, R. D., M.A. Camb. Lectr.
Stephen, Mrs. Gwendolen M., M.A.
Camb. Lectr.
Creed, J. L., B.A. Camb.
Asst. Lectr.
Wardman, A. E., B.A. Camb.
Asst. Lectr.
Ure, Mrs. Annie D., B.A. Lond.
(Gr. Archæol.)
Hon. Research Fellow.

Dairying, v. infra

Education

Dobinson, C. H., M.A. Oxon.,
B.Sc. Lond. Prof.
Lecturers
Armstrong, H., M.A. Lond., M.Sc.
Leeds, M.Ed. Durh.
Bentley, A., B.A.
Campbell, Isabella E., M.A., B.Ed.
Edin., Ph.D., F.B.Ps.S.
Fleming, Mary A., B.A.
Mallinson, V., M.A. Leeds.
Murray, Clara A., B.Sc. Lond.

English

Gordon, D. J., M.A. Edin., Ph.D.
Camb., F.R.Hist.S. Prof.
Lecturers
Young, Jean I., M.A., Ph.D. Camb.
Kermode, J. F., M.A. Liv.
Salu, Mary B., B.A. Durh., B.Litt.
Oxon.
Wain, J. B., B.A. Oxon.
Meneghello, L., Dott. Lett. Padua
(Italian Studies).
Trapp, J. V., M.A. N.Z.
Asst. Lectr.

French

Lehmann, A. G., M.A., D.Phil.
Oxon. 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.
Parry, M., B.Sc. Lond. Lectr.

Assistant Lecturers

Lucas, G. R., B.A. Liv.
Wood, P. D., B.A. Wales.

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., Ph.D.,
F.G.S. Lectr.
Sibly, T. C. F., M.A. Camb., B.Sc.
Asst. Lectr.
Rose, G. N., B.Sc. Asst. Lectr.

German

Matthews, Evelyn, M.A. Wales
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., Ph.D.
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.
Dresel, L. A. G., M.A. Camb.
Asst. Lectr.

Microbiology

Knight, B. C. J. G., D.Sc. Lond.
Prof.
Richards, T., B.Sc., Ph.D. Lond.
Lectr.
Shattock, P. M. Frances, B.Sc.
Edin., Ph.D. Lectr.
Rhodes, Muriel E., B.Sc. Lond.
Asst. Lectr.

Music

Woodham, R., B.A., D.Mus.
Oxon., F.R.C.O. Prof.
8 Teachers.

Philosophy

Hodges, H. A., M.A., D.Phil. Oxon.
Prof.
Parkinson, G. H. R., B.A. Oxon.
Asst. Lectr.
Coulthard, Jean, B.A. Wales
Asst. Lectr.

Physics

Ditchburn, R. W., B.Sc. Liv., M.A.,
Ph.D. Camb. Prof.

Lecturers

Gray, W. M., M.A., Ph.D. Tor.
Henisch, H. K., B.Sc., Ph.D.
Rymer, T. B., M.A. Camb., Ph.D.
Lond., F.Inst.P.
Sixsmith, H., B.A. Dub.
Wills, M. S., M.A., B.Sc. Oxon.
Heavens, O. S., B.Sc. Lond., Ph.D.
Jutsum, P. J., B.Sc. Asst. Lectr.
Res. Physicists
Tomlin, D. H., B.Sc., Ph.D. Lond.
Hogarth, C. A., B.Sc., Ph.D.
Lond.

Political Economy

Lecturers

Budden, E. S., M.A., D.Phil. Oxon.
Carr, J. L., B.Sc. (Econ.) Lond.
Rawson, June T., B.A.
Burton, K. G., M.A. Asst. Lectr.

Psychology

Oldfield, R. C., M.A. Camb.
Prof.
Vernon, Magdalen D., M.A. Camb.
Lectr.
Stafford-Clark, D., M.D., B.S.,
D.P.M. Lond. (Psychopathol.)
Lectr.
Ilfie, 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.

Lecturers

Black, D. J. G., B.Sc. (Agric.)
Edin., Ph.D.
Fox, S., B.A. Camb.
Pearce, J., Ph.D.
Dominy, J. N., F.R.I.C.S. (Surveying
and Building Construction).
Higgs, J. W. Y., M.A. Camb.
(Farm Mechanization).
Getty, J., B.Agr. Belf. Asst. Lectr.
Jewell, C. A., B.Sc. (Agric.)
Asst. Lectr.

Agr. Botany

Brierley, W. B., D.Sc. Manc.,
F.L.S. Prof.

Lecturers

Erith, Adela G., B.Sc., Ph.D.
Lond.

Waldie, J. S. L., B.Sc. Edin.

Snow, D., Ph.D. Glas., B.Sc.
(Agric.).

Owen, H., B.Sc. (Agric.).

Haworth, Greta, M.Sc. Manc.

Cooper, J. P., B.Sc. (Agric.).

Agr. Chemistry

Tyler, C., B.Sc., Ph.D. Leeds,
F.R.I.C. 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.,
Ph.D. Lectr.

Hand, C. J. E., B.Sc. (Agric.)
Asst. Lectr.

Moore, J. H., B.Sc. Wales
Asst. Lectr.

Geake, F. H., M.Sc. Brist.
Hon. Res. Fellow.

Agr. Economics

Thomas, E., B.Litt. Oxon., B.Sc.
Wales

Prof. and Provincial Agri-
cultural Economist.

Bisset, G. B., B.Sc. Aberd., M.S.
Corn. Sr. Res. Economist.

Blagburn, C. H., B.Sc. (Agric.)
Lond. Sr. Res. Economist.

Tuck, R. H., M.A. Oxon. Lectr.

Mills, F. D., B.A. Manc.
Asst. Lectr.

6 Research Assts.

Biochemistry

Kay, H. D., C.B.E., Ph.D. Camb.,
D.Sc. Manc., F.R.S.

Research Prof.

Chemistry (N.I.R.D.)

Rowland, S. J., B.Sc. (Agric.),
Ph.D., F.R.I.C. Head.

Aschaffenburg, R., Ph.D. Cologne.

Balch, D. A., B.Sc. (Agric.).

Marsden, A. W., M.Sc. Lond.,
D.I.C., F.R.I.C.

Hon. Res. Fellow.

*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.)

Chapman, Helen R.

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)
Lectr.

Caldicott, Claudette R., B.Sc.
(Dairying) Asst. Lectr.

Dairy Bacteriology (N.I.R.D.)

Mattick, A. T. R., B.Sc., Ph.D.
Lond. Head.

Berridge, N. J., B.Sc., Ph.D.
Birm.

Hiscox, Edith R., M.Sc. Lond.,
B.Sc. Brist.

Hirsch, A., B.Sc. (Dairying), Ph.D.

Neave, F. K., B.S.A. Tor.

Sharpe, M. Elisabeth, B.Sc. Lond.
10 Assts.

Dairy Engineering (N.I.R.D.)

Hall, H. S., B.Sc. (Agric.) Head.

Thiel, C. C., B.Sc. (Agric.) W.Aust.,
Ph.D.

6 Assts.

Dairy Husbandry (N.I.R.D.)

Foot, A. S., M.Sc. Head.
 Braude, R., Ph.D.
 Castle, M. E., B.Sc. (Agric.) Leeds.
 Dodd, F. H., B.Sc. (Agric.).
 8 Assts.

Feeding and Metabolism
(N.I.R.D.)

Bartlett, S., M.C., B.Sc. (Dairy-
 ing), Ph.D. Head.
 Balch, C. C., B.Sc. (Agric.), Ph.D.
 6 Assts.

Horticulture

Stoughton, R. H., D.Sc. Lond.
 Prof.

Lecturers

Fraser, H.
 Hole, Doris R., B.Sc. Lond.
 Barnwell, R., B.Sc. (Hortic.).
 Vince, Daphne, B.Sc. (Hortic.)
 Lond., M.S. Calif. Asst. Lectr.
 Webb, F. H.

Manager and Instructor
 at Horticultural Sta-
 tion.

Lloyd, J. R. Instructor.
 1 Demr., 1 Res. Chemist, 1 Res.
 Asst.

Microbiology, v. *supra**Nutrition* (N.I.R.D.)

Kon, S. K., Ph.D. Warsaw, D.Sc.,
 F.R.I.C. Head.
 Henry, Kathleen M., B.Sc. Lond.
 and N.U.I., Ph.D. Aberd.
 Thompson, S. Y., B.Sc. (Agric.),
 Ph.D.
 Porter, J. W. G., M.A., Ph.D.
 Camb.
 Goodwin, Mrs. Marie E., Ph.D.
 Kon, Mrs. Phyllis M., Ph.D.
 Hon. Res. Asst.
 1 Hon. Res. Fellow, 5 Assts.

Physics (N.I.R.D.)

Blair, G. W. Scott, M.A. Oxon.,
 D.Sc., Ph.D. Lond., F.R.I.C.,
 F.Inst.P. Head.
 Baron, Margaret, B.Sc. Lond.
 5 Assts.

Physiology (N.I.R.D.)

Folley, S. J., D.Sc., Ph.D. Manc.,
 F.R.S. Head.
 Cowie, A. T., B.Sc. Edin., Ph.D.
 French, T. H., B.Sc., Ph.D. Lond.
 1 Hon. Res. Fellow, 7 Assts.

University Extension

4 Tutors.

ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HALLS. Wantage Hall, J. S. L. Waldie, B.Sc. Edin.; St. Patrick's Hall, T. R. M. Creighton, M.A. Camb.; Whiteknights Park House, R. L. Pearson; St. Andrew's Hall, Ursula F. Martindale, M.A. Camb.; Wessex Hall, Evelyn M. Wiseman, M.A. Aberd.; St. George's Hall, Isobel A. Turner, M.B.E., B.Sc. Lond.; Mansfield Hall, Helen S. Kermode, M.A. Liv.; St. David's Hall, E. S. Budden, M.A., D.Phil. Oxon., Adela G. Erith, B.Sc., Ph.D. Lond.

ASSISTANT REGISTRAR. J. F. Johnson, B.A.

MAINTENANCE OFFICER AND SURVEYOR. A. C. Wilkinson, F.R.I.C.S.

ACCOUNTANT. H. Dalston.

CONSTITUENT INSTITUTION

The NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, Shinfield (*Telephone*: Reading 83103), near Reading, established by the Ministry of Agric. and Fisheries in 1912, forms part of the Univ. (Director—H. D. Kay, C.B.E.,

N.I.R.D.=National Institute for Research in Dairying, v. this page.

Ph.D. Camb., D.Sc. Manc., F.R.S.). It is governed by a Board consisting of representatives of the Ministries of Agric. and Health, R.A.S. of England, British Dairy Farmers' Assocn., Nat. Farmers' Union, etc. It has ten Depts. : Chemistry, Dairy Bacteriology, Feeding and Metabolism, Dairy Husbandry, Nutrition, Physics, Physiology, Dairy, 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, 98,084 vols., including Overstone collection (7500 vols.) of books on Polit. Econ. (pubd. before 1850), English and French thought during 18th century, and topography (especially Northamptonshire); 24,394 pamphlets. 320 periodicals are received. **MUSEUMS** : Zool., Hist., Archæol., and English Rural Life. **LABORATORIES** : Bot., Chem., Geol., Mech., Microbiol., Physics, Psychol., Zool. Fine Art Studios. School of Music. Agricultural Machinery Hall. 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. R. H. Stoughton (Agriculture and Horticulture).

SCHOOLS : Art, Music.

ADMISSION. *See* Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; Ph.D. The B.Sc., M.Sc., and D.Sc. are obtainable in the Faculty of Agriculture and Horticulture as well as in the Faculty of Science. The Senate may decline to admit to a degree course a person whose place of residence during term is at too great a distance from Reading, 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. in the Faculty of Science, candidates are examined upon either a general course of study (normally 3 subjects) or a special course; honours can be obtained in either case. The Final Examn. (Special) is ordinarily taken after passing the Final Examn. (General). The course for the degree with honours extends over 4 yrs. in the Faculty of Agriculture and Horticulture and, in certain cases, in Arts and in Science.

UNIVERSITY DIPLOMA COURSES are as follows : 3 yrs.—Fine Art, Landscape Architecture, and 1 yr. (postgrad.)—Agriculture, Agricultural Econ., Hortic., General Bacteriol., Education, Social Study, Technical Physics.

A limited number of students is accepted each year in preparation for the National Dipl. in Dairying (Technol.) (2-yr. course).

TUTORIAL SUPERVISION. Every student following one of the organized day courses or a specially arranged day course involving frequent attendance at the Univ. for at least 2 terms is placed under the supervision of a tutor.

A RESEARCH BOARD promotes research and original work in the Univ. (apart from the National Institute for Research in Dairying). It administers funds entrusted to it for the purpose, and issues an annual record and report.

TERMS. 3, each of 10 weeks, the first beginning on the first Friday in Oct. Vacations of 4 weeks at Christmas and 5 weeks at Easter.

RESIDENCE. All students following full courses of day study, unless residing with parents or guardians, are ordinarily required to reside in a University Hall of Residence. There are three Halls for men, Wantage (Upper Redlands Road; 122 students), St. Patrick's (Northcourt Avenue; 142 students), and Whiteknights Park House (23 students). There are four Halls for women, St. Andrew's (Redlands Road; 132 students), Wessex (Redlands Road; 73 students), St. George's (Elmhurst Road; 72 students), and Mansfield (Kendrick Road; 65 students). 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 names of Wardens, v. *supra*, and for Fees, v. Expenses, *infra*.

SCHOLARSHIPS OPEN TO GRADUATES. Offered annually by the Univ.—Research Scholps. of £250; "Ernest Ridley"—£50 plus tuition fees, for one yr., renewable for a second yr.

FEES. For Tuition: Ph.D. course—£10 or £15 p.a., M.A. course—£10 p.a.; M.Sc. course—£15 p.a.; Bachelor's Degree course—Arts, £30 p.a.; Sc., £35 p.a.; Diploma course—Dairying, £35 for 1st, £41 for 2nd yr.; Landscape Archit., £30; General Bacteriol. (postgraduate), £35 p.a.; Agriculture (postgraduate), £35; Agric. Econ. (postgraduate), £35; Hortic. (postgraduate), £35; Tech. Physics (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, £10 p.a.

APPOINTMENTS. The Registrar.

STUDENT ORGANIZATIONS. Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

STUDENT ATHLETIC FACILITIES. Gymnasium; Athletics Grounds; Squash Courts; Rowing facilities.

UNIVERSITY EXTENSION, ETC. Evening classes are held in Fine Art. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar* (Sept.), 5s.; *University Gazette*; General Prospectus (illustrated); Departmental Prospectuses (Degree courses, Education, Agriculture, etc., Landscape Architecture, Fine Arts and Handicrafts, Music; Scholarships and Studentships).

THE YEAR 1949-50

DEVELOPMENTS. Whiteknights Park House opened as Hall of Residence for men students. Professorship of Music established. Professorship of Microbiology established; the new Dept. will absorb the former Dept. of Agricultural Bacteriol. Institution of the following new Honours Courses approved: Agric., Dairying, Hortic., Dairy Sci., Horticultural Bot., Horticultural Chem., Agricultural Economics.

RETIREMENTS. Prof. Sir Frank M. Stenton (Vice-Chancellor); Prof. A. W. P. Wolters (Psychology).

RESIGNATIONS. Mrs. Nona M. Bowring (Phil.); J. M. T. Charlton (Classics); R. E. Holland (Maths.); J. M. Mogeys (Geog.); J. C. Sawyer (Agric. Bot.).

DEATHS. Emeritus Prof. J. A. Crowther (Physics); Emeritus Prof. P. N. Ure (Classics); Miss M. Bolam (Warden, St. Andrew's Hall, 1901-27); W. F. Morris (Asst. Lectr. Geog., 1921-45); F. Morley Fletcher (Teacher Fine Art, 1897-1905).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	105	574
Women	181	478
Total	286	1052

Included in the above are 179 postgraduate students and 345 first-year admissions.

DEGREES. B.Sc. (Agric.), 37; B.Sc. (Dairying), 17; B.Sc. (Hortic.), 22; B.A., 83; B.Sc., 51; M.A., 3; M.Sc., 5; Ph.D., 12; D.Sc., 2.

THE UNIVERSITY OF SHEFFIELD *

Founded 1905

Telephone : Registrar—Sheffield 27451.

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., D.L.

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.

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.
Haines, R. Wheeler, D.Sc., M.B.,
B.S. Lond. Sr. Lectr.

Lecturers

King, T. S., M.B., Ch.B. Liv.
Johns, B. A. E., M.B., Ch.B. Birm.
Johnson, F. R., M.D. Belf.

Demonstrators

Parkin, J. B., M.B., Ch.B.
Mills, C. P., M.B., B.S. Lond.
Mitchell, J. E., M.B., Ch.B. Wales.
Ashby, W. B., M.B., Ch.B. Liv.
Cooper, Gertrude M., B.Sc. Lond.
Pt.-time Demr.

Pt.-time Lecturers

Jones, C. D. P., M.B.E., M.B.,
B.S. Lond., F.R.C.S. (Appl.
A.).

Wilkie, J., M.Sc., M.B., Ch.B.
(Radiological A.).

Hon. Demr.

O'Gorman, F. J., F.R.C.S.Ed.

Architecture

Welsh, S., M.A., B.Arch. Liv.,
F.R.I.B.A. Prof.

Howrie, R. J., M.B.E., B.A., Dip.
Arch. Sr. Lectr.

Drought, A. B., B.Arch. Liv.,
M.Arch. Mass. Sr. Lectr.

Powis, G. J., M.A. Lectr.

Daykin, A., Dip.Arch. Lectr.

Wragg, R. B., M.A. Lectr.

Wilson, J. Lectr.

Johnson, H. R., Dip.Arch. Lectr.

Mills, W. J. N., Dip.Arch. Wales
Asst. Lectr.

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

Jenkins, J. M., Dip.Arch. Cardiff
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.

Sr. Lectr. in charge of
Dept.

Guilding, Aileen E., M.A. Oxon.
Asst. Lectr.

Biochemistry, v. Medicine, *infra*

Biology, v. Botany and Zool.

Botany

Clapham, A. R., M.A., Ph.D.
Camb. Prof.

Boswell, J. G., M.Sc. Lond.
Sr. Lectr.

Webster, J., B.Sc. Lond. Lectr.

Thoday, J. M., B.Sc., Ph.D. Wales
(Cytogenetics) Lectr.

Whitehead, F. H., B.A. Oxon.
Lectr.

Riley, R., B.Sc. Res. Demr.

Chemistry

Haworth, R. D., B.Sc. Oxon.,
D.Sc., Ph.D. Manc., F.R.S.,
F.R.I.C. Firth Prof.

Stevens, T. S., B.Sc. Glas., D.Phil.
Oxon. (Organic C.) Reader.

Lawrence, A. S. C., Sc.D., Ph.D.
Camb., F.R.I.C. (Colloid C.)

Reader.

Smith, T. B., B.Sc., Ph.D. Lond.
(Analytical C.) Sr. Lectr.

Lecturers

Turner, Emily G., M.Sc.

Lamberton, A. H., B.Sc., Ph.D.
Glas.

Peacock, D. H., M.A. Camb., D.Sc.
Lond., F.R.I.C.

McKenna, J., M.Sc., Ph.D. N.U.I.

Tyrrell, H. J. V., B.A., B.Sc.
Oxon.

Wyatt, P. A. H., B.Sc., Ph.D.
Wales.

Assistant Lecturers

Woodward, P., B.Sc., Ph.D. Brist.

Mills, O. S., B.Sc. Liv.

Perry, M. J., B.Sc. Brist.

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.

Lecturers

Greystoke, J. R., B.Sc. (Econ.),
B.Com. Lond.

Thornhill, W., M.Sc. (Econ.)
Lond. (Pub. Econ. and
Admin.).

Davies, J. H., M.A. Wales.

Langley, S. J., M.Com. Birm.

Townsend, H., B.Sc. (Econ.) Lond.
Asst. Lectr.

Pt.-time Lectr.

Adams, J. W. L., M.A. Oxon.

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.

Lecturers

Halloran, J. H., M.A. Leeds
 Armytage, W. H. G., M.A. Camb.
 Williams, Eirian M., B.Sc. Wales.
 Brown, Nora M., M.A. Camb.
 Dunkley, Ruth E. L., B.A. Camb.
 Assistant Lecturers
 Richardson, J. Elizabeth, M.A.
 Lond.
 Jowett, Rev. A., B.A. Camb.
 Pt.-time Instructor in
 teaching of Scripture.

*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.)
 Sr. Lectr. in charge of
 Lang. Dept.
 Hamer, D., M.C., M.A. Liv.
 (Eng. Lit.) Sr. Lectr.
 Danby, J. F., B.A. Durh., M.A.
 Camb. (Eng. Lit.) Sr. Lectr.
 Lecturers
 Murray, W. A., M.A. Glas.
 (Eng. Lit.).
 Thomson, Patricia, M.A. Oxon.
 (Eng. Lit.).
 Klingopoulos, G. D., M.A. Camb.
 (Eng. Lit.).
 Berry, F., B.A. Lond. (Eng. Lit.).
 Scott, F. S., B.A. Camb.
 (Eng. Lang.).
 Hargreaves, H., B.A. Liv. (Eng.
 Lang.) Asst. Lectr.
 Preston, J., B.A. Oxon. (E. Lit.)
 Temp. Asst. Lectr.

French

Lawton, H. W., M.A. Wales,
 D. de l'U. Paris Prof.
 Lyons, W. H., M.A., Ph.D. Dub.
 Lectr.
 Shaw, Marjorie, B.A. Lond., D. de
 l'U. Paris Lectr.
 Blaess, Madeleine, B.A. Leeds,
 L. ès L. Paris Asst. Lectr.

Leakey, F. W., B.A. Lond.

Lectr.
 Francis, K. H., B.A., Ph.D. Lond.
 Asst. Lectr.
 Barnwell, H. T., M.A. Birm.
 Asst. Lectr.
 Collier, S. J., B.A., Ph.D. Leeds
 Asst. Lectr.
 Berneau, P., L. ès L. Poitiers
 Lecteur.
 Bourrin, J. M., L. ès L. Dijon
 Lecteur.
 Jolicœur, G., L. ès L. Paris
 Lecteur.
 Vançon, Noële, L. ès L. Nancy
 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., M.A. Reading
 Asst. Lectr.
 Eyre, S. R., B.Sc. Lond.
 Res. Demr.

Geology

Moore, L. R., D.Sc., Ph.D. Brist.,
 F.G.S. Sorby Prof.
 Wilcockson, W. H., M.A. Camb.,
 F.G.S. Reader.
 Sylvester-Bradley, P. C., B.Sc.
 Reading, F.G.S. Lectr.
 Wilkinson, P., B.Sc. Lond., F.G.S.
 Lectr.
 Downie, C., B.Sc. Glas.

Asst. Lectr.
 Humphries, D. W., B.Sc. Lond.
 Asst. 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

Potter, G. R., M.A., Ph.D. Camb.

(Mod. H.) Prof.

Hopper, R. J., B.A. Wales, Ph.D.

Camb. (Anc. H.)

Sr. Lectr. in charge of

Anc. Hist. Dept.

Lewis, N. B., M.A., Ph.D. Manc.

(Mediæval H.) Sr. Lectr.

Tyler, J. E., M.A. Oxon., M.A.

(Modern H.) Sr. Lectr.

Haley, K. H. D., M.A., B.Litt.

Oxon. Lectr.

Carr, W., B.A. Birm. Asst. Lectr.

Clarke, Dorothy P., B.A. Belf.

Asst. Lectr.

Bone, E. Mary, B.A. Oxon.

Pt.-time 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... 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.

(Pure Maths.) Lectr.

Burkill, H., M.A. Camb. (Pure

Maths.) 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. (Statis-
tics) Lectr.

Abson, H., M.A. Camb., M.Sc.,

B.Com.

Tutor.

Hamill, Christine M., M.A., Ph.D.

Camb. Asst. Lectr.

Scott, J. F., B.A. Camb. Res. Asst.

Cutts, J. F., B.A. Camb.

Res. Demr.

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. Lectr.

Linstead, G. F., D.Mus. Durh.

Pt.-time Asst. Lectr.

Philosophy

Cousin, D. R., B.A. Oxon. Prof.

Gilbert, A., M.Sc. Lond. (Psycho-

logy) 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.

Lecturers

Yates, E. Leighton, M.Sc., Ph.D.

Wales and Camb., F.Inst.P.

Donovan, B., B.Sc. Lond., D.I.C.

Bush, H. D., B.Sc., Ph.D. Leeds.

Beattie, J. R., B.Sc. St. And.

Fiddes, J., M.A., B.Sc. Edin.

Assistant Lecturers

Randall, R. F. Y., B.Sc., Ph.D.

Lond.

March, H. N., B.Sc. Lond.

Res. Demonstrators

Crangle, J., B.Sc.

Thompson, J. E., B.Sc.

Hon. Lectr.

Miller, H., M.A., Ph.D. Camb.
(Radiological P.)

Physiology

Smyth, D. H., M.D., M.Sc. Belf.,
Ph.D. Lond. Prof.

Gibson, Q. H., M.D., Ph.D., D.Sc.
Belf. Sr. Lectr.

Winter, L. B., M.A., M.D. Camb.
Lectr.

Wiseman, G., M.B., B.S. Lond.
Lectr.

Assistant Lecturers

Crampton, R., B.Sc., M.B., Ch.B.
Birm.

Matthews, D. M., M.B., B.S. Lond

Bacon, Enid E., B.Sc. Lond.
Asst.

Public Health, v. Medicine, infra

Social Studies

Black, Ellinor I., B.Sc. (Econ.)
Lond. Director.

Ovens, Kathleen, B.A. Lond.
Tutor.

Hodges, M. W., M.A. Oxon.
Res. Worker.

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
(Cytogenetics) 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.

Highnam, K. C., B.Sc. Manc
Res. Asst.

Dental Surgery

Roberts, G. L., M.B., Ch.B., B.D.S.
Liv., F.D.S.R.C.S.

Prof., Dir. of Dental
Studies.

Hampson, E. L., B.D.S. Liv.,
H.D.D., F.D.S.R.C.S. (Opera-
tive Dent. Surg.) Lectr.

Hull, J. (Dent. Surg.)
Pt.-time Asst. Lectr

Rastall, R., I.D.S. (Dent. Surg.)
Pt.-time Hon. Demr.

Rayner, G. H., L.D.S.,
F.D.S.R.C.S. (Maxillo-facial
Surg.) Pt.-time Hon. Lectr.

Hodson, J. J., B.D.S. (Dent. and
Oral Path.) Lectr.

Bradford, E. W. M.D.S. (Prev.
D.) Lectr.

Anæsthetics

Pleasance, R. E., M.D., D.A.
Pt.-time Lectr.

Dental Mechanics and Pros- thetics

Turrell, A. J. W., L.D.S. Leeds
Sr. Lectr.

Smith, J. Pitchford, B.Ch.D.,
L.D.S. Leeds Lectr.

Dental Metallurgy

Orme, F., M.Met. Lectr.

Oral Anatomy and Histology

Bradford, E. W., M.D.S. Lectr.

Heald, H. R., L.D.S.

Pt.-time Lectr.

Orthodontics

Gardiner, J. H., B.D.S. Manc.

Lectr.

Surgery for Dental Students

Randall, D. H., F.R.C.S.

Pt.-time Lectr.

8 other Clin. Dental Teachers.

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.

Edgington, A. N., B.Sc. Missouri
Res. Demr.

Res. Asst. to Prof.

Loxley, E. M., M.Eng.

Engineering, Civil

Boulton, N. S., M.Sc. Birm. (in
charge of Dept.) Sr. Lectr.

Lecturers

Jenkins, R. B. M., M.A. Camb.

Haythornthwaite, R. M., B.Sc.
Durh., B.Sc. (Eng.) Lond.

Cowan, H. J., M.Sc. Manc.

Armstrong, S., B.Sc. Tech. Manc.

Engineering, Electrical

Butler, O. I., M.Sc. Wales (in
charge of Dept.) Sr. Lectr.

Lecturers

Harrison, D., M.Eng. Liv.

Jones, C. V., M.Eng. Liv.

Benson, F. A., M.Eng. Liv.

Walker, G. B., M.A. Glas., Ph.D.
Liv.

Engineering, Mechanical

Turner, F. C., M.Eng. (in charge
of Dept.) Sr. Lectr.

Lecturers

Burnet, W., B.Eng.

Parker, C. F., B.Sc. Lond.

Baildon, E., M.Sc. (Eng.) Lond.

Roberts, D. K., B.Sc. (Eng.) Lond.

Wilcock, B., B.Sc. Tech. Manc.

Briggs, G. C., B.Eng.

Johnson, W., B.Sc. Tech. Manc.,
B.Sc. 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.

Evans, S. I., B.Sc., B.Sc. Tech.,
Ph D. Lectr.

Smith, D., B.Sc. Asst. Lectr.

Hammond, E., B.Sc. Lond.
Temp. Demr.

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.

Res. Asst. and Lectr.

Taylor, H. E., M.A. Oxon.

Res. Asst. and Lectr.

Tress, H. J., B.Sc., Ph.D.

Res. Asst. and Lectr.

Nicolls, A. W., B.A., B.Sc. Oxon.

Res. Asst. and Lectr.

Ainsworth, L., B.Sc.

Res. Asst. and Asst.
Lectr.

Kilby, W. F., B.Sc.

Res. Asst. and Asst.
Lectr.

Sales, Rose M.
Res. Asst. and Analyst.

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.
Brown, K. M., B.Sc. Wales
Res. Asst. to Prof.

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.
Scothorne, Cynthia M., M.B., Ch.B.
Hon. Demr.

Biochemistry

Krebs, H. A., M.A. Camb., M.D.
Hamburg, F.R.S. Prof.
Bacon, J. S. D., M.A., Ph.D.
Camb. Lectr.
Burton, K., B.A. Camb. Asst. Lectr.
Davies, R. E., M.Sc. Manc., Ph.D.
Hon. Lectr.
Jordan, A., M.B., B.S. Lond.
(Clinical B.) Hon. Lectr.

Forshall, W. Hon. Demr.
Podmore, D. A. Hon. Demr.
Finch, Ethel, M.Sc. Birm.

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.

11 Clin. Teachers.

Forensic Medicine

Forbes, G., B.Sc., M.D. Glas.,
F.R.C.S.Ed., F.R.F.P.S. Glas.
(in charge of Dept.) Sr. Lectr.

Medicine

Stuart-Harris, C. H., M.D. Lond.,
F.R.C.P. Prof.
Pt.-time Lecturers and Clin.
Teachers
Imrie, C. Gray, M.D., D.Sc. W.
Ont., F.R.C.P.
Wayne, E. J., M.D., M.Sc., Ph.D.
Leeds, F.R.C.P.
Gumpert, T. E., M.B., Ch.B.,
F.R.C.P.
Brody, H. P., F.R.C.P.
Leishman, A. W. D., B.A., D.M.
Oxon., F.R.C.P.
Skipper, E. W., M.D. Lond.,
F.R.C.P.
Gatman, M. W. A., M.B., Ch.B.,
B.Sc. N.Z. (Med. Path.)

Lectr.

Davies, C. E., M.A., B.M., B.Ch.
Oxon. Lectr.
Whitaker, W., B.Sc., M.D. Leeds
Lectr.
Appleby, J. Christine, B.Sc. Lond.,
Ph.D. Reading

Bacteriologist.

Platts, Margaret M., B.Sc., M.B.,
Ch.B. Res. Asst.

Turner, H. M., M.D. Manc., D.P.H.
(Chest Diseases).

Darke, C. S., M.D.
(Chest Diseases).

Kennedy, J. M., M.B., B.Ch.,
B.A.O., D.P.H. Belf.
(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.,
M.B., Ch.B. Leeds, 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, Sir Ernest, M.D., M.S.
Lond., F.R.C.S. (Hist. of
Med.) Hon. Lectr.

7 other Clin. Teachers.

Obstetrics and Gynæcology

Russell, C. S., M.A. Oxon., M.D.
Edin., F.R.C.S.Ed. Prof.

Pt.-time 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.

Dewhurst, C. J., M.B., Ch.B.
Manc. Lectr.

Napier, J. G., M.B., Ch.B.,
F.R.C.S.Ed. Pt.-time Tutor.

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.)

Reader and Curator of
Museum.

Whiteley, H. J., B.Sc., M.D.
Lectr.

Ghadially, F. N., M.D., B.S. Bom.
and Lond. Lectr.

Gatman, M. W. A., M.B., Ch.B.,
B.Sc. N.Z. (Med. Path.) Lectr.

Hermitte, L. C. D., M.B., Ch.B.
Edin., D.T.M. & H.
Hon. Lectr.

Edwards, J. L., M.A., M.B., B.Chir.
Camb. Hon. Lectr.

Emery, J. L., M.D. Brist., D.C.H.
Hon. Lectr.

Price, D. E., M.B., B.S. Lond.
Hon. Lectr.

Chesterman, J. T., F.R.C.S.,
F.A.C.S.

Pt.-time Lectr. (Surg.
P.) and Asst. Curator
of Museum.

Hopewell, J. D., B.Sc., M.B., Ch.B.
Hon. 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.

Lecturers

Wood, D. R., M.A., B.Sc., B.M.,
B.Ch. Oxon. (Pharmacol.).

Wilson, G. M., B.Sc., M.B., Ch.B.,
F.R.C.P.Ed. (Therapeutics).

MacGregor, A. G., B.Sc., M.B.,
Ch.B., F.R.F.P.S. Glas.

(Therapeutics).

2 Instrs.

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. Pt.-time Lectr.

Roe, J. W., B.Sc. Lond. (Industr.
Hyg.) Lectr.

Wrighton, R. F., B.A. Camb.

Statistician.

Fleming, C. E., M.A., B.Litt.
Oxon. 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.
Pt.-time 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).

Ansell, G., M.D. Liv.

Jr. (Graves) Res. Fellow.

14 other Clin. Teachers, 5 Instrs.

Venereal Diseases

Campbell, D. J., T.D., L.D.S.
Edin., D.P.H., F.R.C.P.

Pt.-time Lectr. and Clin.
Teacher.

Metallurgy

Quarrell, A. G., D.Sc., Ph.D. Lond.,
F.I.P. (Physical M.) Prof.

Maddocks, W. R., B.Sc. Wales,
Ph.D. Glas.

(Production M.) Sr. Lectr.

Orme, F., M.Met.

(Non-Ferrous) Sr. Lectr.

Honeycombe, R. W. K., M.Sc.,
Ph.D. Melb. (Physical)

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.

Greenough, G. B., M.A., Ph.D.
Camb. Lectr.

Wakeman, D. W., B.Sc., Ph.D.
Birm. Lectr.

Hume-Rothery, W., M.A., D.Sc.
Oxon. Hon. Lectr.

School of Social Studies

Black, Ellinor I., B.Sc. (Econ.)
Lond. Dir.

Ovens, Kathleen R., B.A. Lond.
Tutor.

Hodges, M. W., M.A. Oxon.
Res. Worker.

Institute of Education

Tempest, N. R., Ed.M. Harv.
Dir.

Edwards, H. T., B.Sc. Lond.
Sec.

Evening Studies

Davies, H. J., M.Sc. Lond.

(Engin.) Dir.

de Belin, G. A., M.Met.

(Metall.) Dir.

Extra-mural Studies

Bruce, M., B.A. Lond. Dir.

Staff Tutors

Roper, J. I., B.Litt. Oxon.

Sr. Adviser.

Crowther, D., M.A. Leeds, Ph.D.
Glas. (Philos.).

Eaglestone, A. A., B.Litt. Oxon. (Eng. Lit.).	Whittington, W. E., M.A. (Econ. and Pub. Admin.).
Bestall, J. M., M.A. Oxon. (Hist.).	Hughes, J. D., B.A. Oxon. (Econ. and Pub. Admin.).
Williams, J. E., M.A. Leeds (Hist.).	Turner, H. D., B.Sc., Ph.D. (Sci.).
Mendelson, B.Sc. (Econ.) Lond. (Econ. and Pub. Admin.).	27 Tutors in addition to members of the Univ. Academic Staff.

ADMINISTRATIVE AND OTHER 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.

STUDENT HEALTH SERVICE. Medical Officer in Charge, P. W. W. Gifford, M.B., Ch.B. Birm.

LIBRARIES. Edgar Allen Library : Sub-Librarian, J. E. Tolson, B.A. Leeds, M.A. Liv. ; Inst. of Education Librarian, Mary C. Field, B.A. Oxon. ; Glass Dept. Librarian, F. Kilby.

WARDENS OF HALLS OF RESIDENCE. For men : J. W. L. Adams, M.A. Oxon., Crewe Hall ; W. R. Maddocks, B.Sc. Wales, Ph.D. Glas., Ranmoor House. For women : E. Mary Bone, B.A. Oxon., University Hall. LODGINGS WARDEN : Ethel T. M. Ball.

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), 182,616 vols. and pamphlets. 735 current periodicals. LIBRARY (Applied Science), 14,755 vols. and pamphlets. 127 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.

HOSPITALS available for clinics include 3 general (1974 beds), 7 special (1490 beds), and Mental Hospital (2000 beds).

FACULTIES. (1) Arts (including Archt.), (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 and Non-Ferrous). *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) Prof. A. G. Quarrell (Physical Met.). A School of Social Studies was established in 1949. There is a Univ. Training Dept. for Teachers for elementary and secondary schools. *Dept. of Glass*

Technology : The Dept. housed in a 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 for B.Met.), B.Eng., B.Sc.Tech.; B.Eng. Honours and B.Sc.Tech. Honours, 3 yrs. after passing Intermed. Examn.; 6 yrs. (including at least 3 in the Univ.)—M.B., Ch.B.; 6 yrs.—B.D.S. Graduates of a Univ. of the U.K. who wish to qualify for special degree of B.A. or B.Sc. with Hons., B.Mus. or LL.B., need, under certain conditions, only attend courses for 2 yrs., if they have pursued a course for 2 yrs. at some approved instn. Graduates of approved 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. 9-10).

Attendance on approved courses at a Univ. or Coll. recognized for the purpose may be accepted as equivalent to such courses in the Univ. The Univs. of Aarhus, Aix-en-Provence, Basle, Berlin, Berne, Besançon, Bordeaux, Caen, Dijon, Freiburg, Giessen, Göttingen, Grenoble, Heidelberg, Innsbruck, Leipzig, Liège, Lyons, Madrid, Montpellier, Münster, Nancy, Paris, Poitiers, Rennes, Seville, Strasbourg, Tübingen, and Zürich have been recognized in the Faculty of Arts, and the Univ. contributes towards expenses of undergraduates spending a term there.

A Schools Consultative Council, including, in addition to members of the Univ. staff, representatives of local education authorities and school staffs, keeps the Univ. in touch with secondary educn.

HIGHER DEGREES. Obtainable by Bachelors of the Univ. of 1 yr.'s standing—M.A., LL.M., M.Sc., M.Eng., M.Sc.Tech., M.Met. Under certain conditions graduates of other Univs. may become candidates for these degrees. M.D.S. on the results of an examn. written, *viva* and practical; 2 yrs.' standing—M.D.; 3 yrs.' standing—Ch.M.; 4 yrs.' standing—LL.D.; 5 yrs.' standing—Litt.D., D.Mus., D.Sc., D.Eng., D.Sc.Tech., D.Met.; Ph.D., v. p. 19.

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.); Professional Practice (Architecture) (1 yr. prof. practice following award of degree or diploma); Biblical History and Literature (2 yrs.' evening study); Soc. Studies (2 yrs.).

Evening Classes in Mechanical, Civil, and Electrical Engineering, Metallurgy, and Fuel are held during the 6 mos. 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 such classes in Metallurgy 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. Registrn.: 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.; Hughes Memorial Travelling Scholarship, £150 for 1 yr. for studies in Spain, Portugal, or Latin America; 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. Douglas Knoop Research Fellowships (2), up to £425 p.a. for 3 yrs., for res. in Economics and Economic Hist.; Sir Henry Stephenson Fellowship, £300/£600 p.a., open to communicant members of the Church of England intending to be in Holy Orders; Ellison Fellowships, up to £320 with remission of fees, for research in Chem., Physics, and (in certain conditions) Engin.; Coke Research Fellowship, £350; J. G. Graves Medical Research Fellowship.

Note. The number and value of Scholarships and Fellowships are liable to reduction in all cases.

RESIDENCE, ETC. For names of Wardens, see "Administrative and other Staff," *supra*. There are three Halls of Residence for men: Crewe Hall, Clarkehouse Road, Sheffield, 10 (main hall 100 students; annexes 21 students); Ranmoor House, Fulwood Road, Sheffield, 10 (50 students), and Stephenson Hall, expected to open for the session 1951-52 with accomm. for 100 students in the first instance; and one for women: University Hall, Endcliffe Vale Road, Sheffield, 10 (main hall 60 students; annexes 60 students). Hall fees, £114 p.a. A list is maintained of lodgings supervised by a Special Committee,

and there is a full-time Warden of Lodgings ; board and lodgings cost from 45s. upwards per week.

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. For Medical Officer in charge, *see* " Administrative and other Staff," *supra*.

APPOINTMENTS BOARD. For Appointments Officer, *see* " Administrative and other Staff," *supra*. The services of the Appointments Board are available to all students, past and present. The Board has members from industry, etc., and deals with all matters relating to appointments. Relations are maintained with employers in all fields.

UNIVERSITY TRAINING CORPS. The U.T.C. provides facilities for training in the following units : Infantry and R.E.M.E. Commanding Officer : Major P. M. Harrod, M.C.

STUDENTS' UNION AND ATHLETICS. The social and athletic subscription (£4 : 4s.) forms a compulsory part of students' fees. The social and athletic facilities are thus available to students in all faculties and comprise : (i) membership of the University Union and its various societies, (ii) an athletic ground some 40 acres in extent, (iii) a gymnasium, boxing ring, badminton, fives and squash courts, etc.

There is an OLD STUDENTS' ASSOCN. which publishes periodically lists giving addresses, occupations, honours, etc.

INSTITUTE OF EDUCATION. *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. For Director and Secretary, *see* " Administrative and other Staff," *supra*.

The BOARD OF EXTRA-MURAL STUDIES supervises the extra-mural work of the Univ. Public lectures, Univ. Extension courses, Tutorial and Sessional Classes are provided. There is a Joint Cttee. for work with the Workers' Educational Association. *See also* p. 448 above.

PUBLICATIONS. *Calendar* (Oct.), 15s. ; *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 1949-50

BENEFACTIONS. Contributions and promises amounting to £383,300 have been received towards the Univ. Devel. Fund. Lists of these have been published. Contributions made during period under review include £2000 p.a. under covenant for 7 yrs. from Firth Brown Companies. Additional Fellowships have been provided under will of late Emeritus Prof. D. Knoop, and by the re-employment of a trust fund created by Lady Stephenson in memory of her husband. The Graves Trustees have raised the value of Fellowship for Med. Res.

NEW BUILDINGS. The new Hall of Residence for men is expected to open for the session 1951-52 with accomm. for 100 students in the first instance. Extensions to the Engin. Depts. have been started. Reconditioning and

alterations have been undertaken in a number of the Univ. bldgs. to adapt them to new and extended uses.

NEW POSTS. (i) Chairs of Physical Metall., Applied Mechanics, and full-time Chair of Obstet. and Gynæcol. ; (ii) Lectrs. (3) ; (iii) Asst. Lectrs. (5) ; (iv) Res. Assts. (2) ; (v) Extra-mural Tutor (1).

PRINCIPAL CHANGES IN REGULATIONS. A certif. in Professional Practice for graduates and diplomates in archit. of the Univ., taken after a year of professional practice following the award of degree or diploma, has been established.

EXTRA-MURAL WORK. During the session 1949-50, 75 Tutorial and Sessional Classes, 28 Univ. Extension courses, 2 one-day schools, 3 special courses, and a number of single lectures were held.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Dr. W. Hume-Rothery (Oxford), "The Determination of Metallurgical Equilibrium Diagrams" ; Dr. E. Mary Wilkinson (London), "Form and Meaning in Goethe's *Egmont*" and "The Discipline of Literary Criticism" ; Prof. B. Fairley (Toronto), "Wilhelm Raabe—an Appreciation" ; F. Ursell (Manchester), "Flow Reversal Theorems in Subsonic Flow" ; Prof. H. A. Heilbronn (Bristol), "Euclid's Algorithm in Cyclic Number Fields" ; Dr. B. L. Welch (Leeds), "On the Problem of Comparing Two Mean Values" ; Dr. W. Ledermann (Manchester), "A Stability Problem in the Theory of Probability" ; Dr. R. E. Mayer (Manchester), "The Geometry of Mach Field Lines" ; Prof. T. G. Cowling (Leeds), "The Mathematical Theory of Radiative Equilibrium in the Stratosphere" ; F. F. Bonsall (Newcastle), "Hilbert's Double Series Theorem and some Related Inequalities" ; Dr. J. Kalicki (Leeds), "Jödel's Theorem—an Informal Exposition" ; Prof. J. M. Whittaker (Liverpool), "Expansions of Zero" ; Prof. N. F. Mott (Bristol), "Creep in Metals" ; Prof. S. Tolansky (London), "Recent Developments in Multiple-beam Interferometry" ; Dr. W. A. Waters (Oxford), "Some Oxidations Involving Free Radicals" ; Prof. H. W. Melville (Birmingham), "The Breakdown of High Polymer Substances" ; Prof. E. R. H. Jones (Manchester), "Recent Developments in Acetylene Chemistry" ; Prof. F. S. Spring (Glasgow), "Recent Advances in the Chemistry of the Steroids" ; Prof. Brynmor Jones (Hull), "Some Aspects of Aromatic Substitution" ; Dr. C. F. Pantin (Cambridge), "Recent Advances on the Elementary Nervous System in Sea Anemones" ; Prof. T. H. Davey (Liverpool), "The Problems of Disease in Africa in relation to Human Developments" ; Prof. E. Ashby (Manchester), "The Inheritance of Hybrid Vigour" ; Prof. W. F. Whittard (Bristol), "The Sequence and Structure of the Longmyndian Rocks in Shropshire" ; Prof. A. Somme (Bergen), "Physical Factors influencing the Regional Differentiation of Norwegian Agriculture and Food Supply" ; Prof. F. M. Burnet (Melbourne), "Q Fever" ; Dr. H. Mannheim (London), "Juvenile Delinquency" ; Prof. A. Wallgren (Stockholm), "The Methods of Preventing Tuberculosis in Sweden" ; Prof. A. L. Roberts (Leeds), "Heat Transfer from Flames to Refractory Surfaces."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. G. Walker (Maths.), "Parallelism in Riemann Manifolds," at Newcastle ; Prof. G. H. Turnbull (Educn.), "The Visit of Comenius to England," at Swansea ; Dr. W. S. Bullough (Zool.), "The Physiology of Mitosis," at Utrecht, Copenhagen, Lund, "Glucides et mitose" and "Hormones génitales et mitose," at Brussels ; Dr. G. Y. Kennedy (Pathol.), "Marine Biochemistry," at Leicester ; E. F. Finch (Surg.), "Acute Intestinal Obstruction," at London.

ASSOCIATION OF UNIVERSITIES

THE EXECUTIVE COUNCIL (elected Oct. 25, 1951)

UNITED KINGDOM

E. ASHBY, D.Sc., D.I.C., F.L.S. [Belfast].
D. W. LOGAN, D.Phil., M.A., B.C.L. [London].
Sir RAYMOND PRIESTLEY, M.C., D.L., M.A., D.Sc., LL.D., D.Litt. [Birmingham].
Professor Sir LIONEL WHITBY, C.V.O., M.C., M.A., M.D. [Cambridge].

CANADA

G. P. GILMOUR, M.A., D.D., D.C.L. [McMaster].
SIDNEY SMITH, K.C., M.A., LL.D., D.C.L., F.R.S.C. [Toronto].

AUSTRALIA

G. A. CURRIE, B.Sc. (Agric.), D.Sc., LL.D. [Western Australia].
Professor T. HYTTEN, M.A. [Tasmania].

NEW ZEALAND

Professor I. A. GORDON, M.A., Ph.D., LL.D.

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

M. TIMUR, M.A. [Peshawar].

OTHER PARTS OF THE COMMONWEALTH

D. M. BALME, D.S.O., D.F.C., M.A. [Gold Coast].
Col. LINDSAY RIDE, C.B.E., B.Ch., M.A., D.M. [Hong Kong].

OFFICERS

(elected Oct. 25, 1951)

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 PHILIP MORRIS, C.B.E., M.A., LL.D.
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).

RETIREMENTS. Prof. J. Chisholm (Obstet. and Gynæcol.); Prof. J. H. Andrew (Metallurgy); Miss M. M. Long, sr. member of Registrar's staff.

RESIGNATIONS K. Cameron (Engl. Lang.); R. J. North (French), on appt. as Lectr. in Fr. at Univ. Coll., North Staffs.; Winifred D. Ashton (Maths.); J. S. Colman (Zool.), on appt. as Dir. of Marine Biological Station at Port Erin; Dr. R. O'Rahilly (Anat.), on award of travelling scholp. by N.U.I.; Dr. H. Debovitch and Dr. M. J. Twohig (Anat.), Dr. Jean M. Clark (Physiol.); Dr. J. A. Kilpatrick (Med.); Dr. R. T. Gaunt (Med.), Dr. D. R. Kilgour (Obstet. and Gynæcol.); Dr. H. Lloyd (Eng.); J. E. Littlechild (Fuel Tech.); Dr. A. J. Gould (Glass Tech.), on appt. to Chair of Engin. in Univ. of Natal; P. Wright (Glass Tech.); G. R. S. Hawkins (Extra-mural); G. E. Wilde (Sec. Pract.).

DEATHS. Emeritus Prof. W. P. Wynne (Chem.), Prof. 1904-31; W. J. Rees (Refractories), Lectr. 1917-45.

HONORARY DEGREES. M.A.—A. B. Griffiths, City Treasurer of Sheffield, 1927-48; E. Fisher, Sec. of S. Yorks. District of W.E.A., 1929-50.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	207	1633
Women	40	353
Total	247	1986

Included in the above are 299 postgraduate students and 522 first-year admissions. Evening students are not included.

DEGREES. B.A., 150; B.Mus., 1; B.A. (Econ.), 12; M.A., 10; B.Eng., 48; B.Sc. Tech., 9; M.Eng., 4; Ph.D. (Engineering), 9; LL.B., 7; LL.M., 2; M.B., Ch.B., 32; B.D.S., 3; M.D.S., 1; M.D., 1; B.Met., 25; M.Met., 1; Ph.D. (Metall.), 3; B.Sc., 110; M.Sc., 2; Ph.D. (Pure Science), 8.

ASSOCIATED THEOLOGICAL COLLEGES AND SCHOOLS OF THEOLOGY

UNITED THEOLOGICAL COLLEGE, ABERYSTWYTH AND BALA. At *Aberystwyth* (United Theological College, Aberystwyth; *Telephone*: Aberystwyth 281): Principal—Rev. W. R. Williams, M.A., Prof. of *Christian Doctrine and Ethics*. Other Profs.: Rev. B. 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. (Vice-Principal), *Theism and Philos. of Religion and Hist. of Religions*. At *Bala* (Theological College, Bala; *Telephone*: Bala 66): Principal—Rev. G. Rees, M.A.; Rev. R. N. Williams, M.A., *Past. Theol.*

BANGOR SCHOOL OF THEOLOGY (University College of N. Wales, Bangor; *Telephone*: Bangor 501). Rev. Principal J. Williams Hughes, M.A., B.D., Rev. H. J. Charles, M.A., *N.T. Greek*; Rev. Prof. C. R. North, M.A., D.D., D. R. Ap-Thomas, M.A., B.D., *Hebrew*; Rev. Prof. R. T. Jones, B.A., B.D., D.Phil., T. 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. H. D. Lewis, M.A., B.Litt., Rev. G. E. Hughes, M.A., *Philos. of Religion*; Rev. D. W. Gundry, M.Th., *Hist. of Religions*; Rev. Prof. T. E. Jones, M.A., B.D., *The Holy Script.*

BRECON, The Memorial Coll. (*Telephone*: Brecon 345). Principal—Rev. J. D. V. Lewis, M.A., B.D., *Hebrew and Old T. Exegesis*. Other Profs.: Rev. Vice-Princ. W. T. P. Davies, B.A., B.Litt., Ph.D., *Ch. Hist.*; Rev. I. Thomas, B.A., B.D., *New T. Greek and Exegesis*; Rev. D. J. Davies, B.A., *Christian Doctrine and Ethics, Theism and Philos. of Religion*.

CARDIFF SCHOOL OF THEOLOGY (University College of S. Wales and Mon., Cathays Park, Cardiff; *Telephone*: Cardiff 9160). 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., F.B.A., Rev. E. R. Rowlands, M.A., *Old T. Hebrew and Semitics*; Rev. Principal E. Roberts, M.A., B.D., *Philos. of Religion, Philosophical Theism and Christian Doctrine and Ethics*; Rev. Prof. D. M. Himbury, B.A., B.D., *Church History*.

CARMARTHEN, The Presbyterian Coll. (The Parade, Carmarthen; *Telephone*: Carmarthen 7157). Principal—Rev. J. D. Jones, B.A., B.D. Lectrs.: Rev. Prof. T. G. Davies, B.A., B.D., *Ch. Hist.*; Rev. Prof. J. O. Stephens, M.A., 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. T. Evans, B.A., B.D., *Hebrew and Old T. Exegesis*.

GENERAL INFORMATION

The Univ. was founded by Charter, 1893. As the result of an enquiry held by a Royal Commission in 1916-18, a Supplemental Charter was granted to the Univ. in 1920, which introduced many 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 exams. An Academic Advisory Committee deals with the conditions on which School-Leaving certificates are accepted by the Univ. for matriculation, and with other matters lying in the borderland between School and Univ.

ADMISSION. See Appendix I.

DEGREES. B.A.; B.Sc.; B.Mus.; LL.B.; B.Pharm., M.B., B.Ch.; B.Arch. For the degree in Med. the period of qualification is 5 yrs. 2 terms, of which the last 3 yrs. may be spent in an approved School of Med. The period of qualification for the degree of B.Arch. is 6 yrs. The first year of study is pursued in one of the constituent Colleges of the University and the remainder in the Cardiff Technical College. For the other first degree, 3 yrs. of study are required. Study for an Honours degree in Arts, Science, Music, or Law ordinarily covers 4 yrs.

HIGHER DEGREES. M.A., D.Litt.; M.Sc., D.Sc.; M.Mus., D.Mus.; LL.M., LL.D.; M.D., M.Ch., M.Pharm.; B.D., D.D.; M.Arch.; Ph.D. (in Arts, Science, Law, Medicine). For the degree of B.D. (3 yrs.' course), study is pursued in one of the Associated Theol. Colls. or at the Schools of Theol. of the University Coll. of N. Wales, Bangor, and the University Coll. of S. Wales and Monmouthshire, Cardiff. The M.A., M.Sc., and LL.M. may be awarded to graduates of other Univs. approved for this purpose who pursue a scheme of research for at least 2 yrs. in one of the constituent Colls. As regards Ph.D., see p. 19.

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; *exams.* 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 £10,000 p.a., including the income of a capital sum of £20,000 given by the late Dr. Samuel Williams of Llanelly, Carm., for the encouragement of research. In addition to 8 Fellowships (annual value £400 each), one of which is a Dr. Samuel Williams Fellowship, tenable for 2 yrs., it awards about 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 GUILD OF GRADUATES consists of the Graduates and Honorary Graduates of the University. Periodical meetings are held. Its officers are the Warden, the Clerk, and the Treasurer. Address for communications: University Registry, Cathays Park, Cardiff.

The UNIVERSITY SCHOOL OF EDUCATION, which is an area training organization, came into being in 1949 and superseded the University Board for Training Colleges. It is charged with the duty of surveying the general educational needs of Wales and Monmouthshire in regard to the education and professional training of teachers, and of co-ordinating developments and directing long-term policy, so as to formulate a comprehensive system for the training of teachers in the area. The organization comprises the University Education Board, the University Faculty of Education, and the four Collegiate Faculties of Education at Aberystwyth, Bangor, Cardiff, and Swansea.

The UNIVERSITY APPOINTMENTS BOARD is concerned with appointments of all kinds.

1949-50, 642 appointments (men, 514, women 128), including : Educational, 214 ; Industrial, etc., 324 ; vacation posts, 104.

PUBLICATIONS. *Calendar* (Oct.), 6s. post free. Courses in Div. and in Mus., and Matricn. and Degree Regus., free. Matricn. Examn. Papers, 9d. Degree Papers : Arts, 6s., Science, 5s., Medicine, 1s. 6d., Theology, 1s. 6d. Bulletin of Board of Celtic Studies, 7s. 6d. per part (5s. to subscribers). Publns. of the Council of Music. 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 1949-50

RECENT DEVELOPMENTS. Approval has been given for the provision of Hons. courses in Administration at the Univ. Coll. of Wales, Aberystwyth, and in Forestry, and in Music for the degree of B.Mus., at the Univ. Coll. of North Wales. Regulations for the Tuberculous Diseases Diploma have been revised.

HONORARY DEGREES. July 1950 Congregation : *M.A.*—Rev. W. Evans ; H. E. Weston. *LL.D.*—T. A. Lloyd ; Lord Macdonald of Gwaenysgor, Paymaster-General and formerly Governor of Newfoundland ; Sir F. Rees ; T. I. Rees. *D.Litt.*—Kate Roberts. *D.D.*—Rev. J. Owen.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	81	4039
Women	53	1245
Total	134	5284

Included are 191 postgraduate students and 1452 first-year admissions.

DEGREES. B.Arch., 2 ; B.A., 486 ; M.A., 43 ; LL.B., 18 ; B.Pharm., 8 ; M.B., B.Ch., 45 ; M.D., 4 ; B.Mus., 5 ; M.Mus., 1 ; B.Sc., 561 ; M.Sc., 28 ; D.Sc., 1 ; B.D., 9 ; Ph.D., 17.

UNIVERSITY COLLEGE OF WALES ABERYSTWYTH

Founded 1872

Telephone : Aberystwyth 346, 347.

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 LISBURN; 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. Mrs. LILY NEWTON, D.Sc., Ph.D. Brist., F.L.S.

REGISTRAR—T. MAELGWYN DAVIES, M.A.

LIBRARIAN—A. AP GWYNN, M.A.

TEACHING STAFF

Agriculture, v. *infra*

Anthropology, v. Geography

Arts and Crafts, v. Education

Botany

Newton, Mrs. Lily, D.Sc., Ph.D.
Brist., F.L.S. Prof.

Carter, P. W., M.Sc. Sr. Lectr.

Wilson, Irene M., M.Sc., Ph.D.
Lond. Sr. Lectr.

Chater, E. H., B.Sc. Lond., M.Sc.,
F.L.S. Lectr.

Jones, H., M.Sc. 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.

Lecturers

Davies, M. M., Ph.D. Camb., M.Sc.

Bowen, J. B., B.Sc.

Monk, C., B.Sc., Ph.D. Lond.

Assistant Lecturers

Graham, S. H., B.Sc., Ph.D. Glas.

Williams, A. J. S., B.Sc.

Classics, v. Greek and Latin

Economics and Pol. Science, v.
also Politics, International

Beacham, A., M.A. Liv., Ph.D.
Belf., B.A. Prof.

George, P., M.A. Camb., M.Sc.
Sr. Lectr.

Lecturers

Morris, J. H., M.Sc. (Econ.) Lond.

Guenault, P. H., M.A. Sheff.

Assistant Lecturers

Lewis, J. E., B.A.

Hughes, C. F., D.P.A. Lond., M.A.

Harbury, C. D., B.Com. Lond.

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.

Morrison, J. R., M.A., B.Sc. Glas.,
B.Ed. Edin. Lectr.

Pinsent, A., M.B.E., M.A. Lond.,
B.Sc.

Lectr. in Fac. of Educn.

Gapper, R. L., B.Sc.

Lectr. (Art and Crafts),
Curator of Museum.

Nisbet, S. Asst.

Davies, Gwenhwyfar
Pt.-time Asst.

English Lang. and Lit.

Jones, G., M.A. Rendel Prof.

Lecturers

Earnshaw, J., M.A. Manc.

Nosworthy, J. M., B.A. Reading.

Kinsley, J., M.A. Oxon., M.A.,
Ph.D. Edin.

Price, C. J. L., M.A.

Slay, D., B.A. Oxon.

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.

Lecturers

Fogg, W., M.A. Manc.

Watson, E., M.A. Belf.

Howe, G. M., M.Sc.

Thomas, J. G., M.A.

Assistant Lecturers

Yates, R. A., M.Sc. Brist.

Carter, H., B.A.

Taylor, J. A., M.A. Liv.

Geology

Wood, A., D.Sc., Ph.D. Liv. Prof.

Challinor, J., M.A. Camb.

Sr. Lectr.

Platt, J. I., M.Sc. Manc.

Sr. Lectr.

Burton, A. N., B.Sc. Lond.

Asst. Lectr.

German

Evans, D., M.A. Prof.

Finch, R. G., M.A. Asst. Lectr.

Robinson, A. R., B.A. Lond.,
Ph.D. Edin. Asst. Lectr.

Greek and Latin

Davies, W. H., M.A.

Prof. of Classics.

Duff, A. M., M.A., B.Litt. Oxon.

Sr. Lectr.

Lecturers

Hudson - Williams, A., M.Litt.
Camb., B.A.

Wild, L. N., B.A. Oxon., M.A.
Sheff.

Rees, B. R., M.A. Oxon.

History

Treharne, R. F., M.A., Ph.D.
Manc. Prof.

Johnston, S. H. F., M.A., B.Litt.
Oxon. Sr. Lectr.

Lecturers

Sanders, I. J., D.Phil. Oxon., M.A.

Davies, A., M.A.

Fryde, E. B., M.A., D.Phil. Oxon.

Conway, A. A., M.A. Lond.

Asst. Lectr.

History, Colonial, v. Politics, International

History, Welsh

Williams, D., A.M. Col., M.A.

Sir John Williams Prof.

Pierce, T. J., M.A. Liv.

Res. Prof. (Mediæval).

Law, English

Davies, D. J. Ll., M.A. Camb.,
LL.B. Prof.

..... Lectr.
Wilson, J. F., B.A. Oxon.
Asst. Lectr.

Logic and Philosophy
Aaron, R. I., D.Phil. Oxon., M.A.
Prof.
Davies, D., Ph.D. Glas., M.A.
Sr. Lectr.

Lecturers
Jones, J. R., D.Phil. Oxon., M.A.
Spilsbury, R. J., M.A. Oxon.
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.,
F.T.C.L. Gregynog Prof.
Clements, C., B.Mus., F.R.C.O.
Lectr.
Clapham, J., D.Mus. Lond. Lectr.
Executants and Teachers
Allen, W. R. (Singing).
Jeremy, R., F.R.A.M. (Viola).

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.

Lecturers
Richards, D. A., M.Sc. Lond.,
D.I.C.
Evans, G. R., M.Sc. Liv., Ph.D.
Job, E. M., B.Sc.
Jones, W. M., D.Phil. Oxon., B.Sc.
i Tech. Asst.

Politics, International
Reynolds, P. A., M.A. Oxon.
Wilson Prof.
John, I. G., M.Sc. Lond., B.A.
(I. Pol. and Col. Hist.)
Lectr.

Welsh 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., F.R.S.
Prof.

Senior Lecturers
Watkin, E. E., D.Sc., Ph.D.
Rees, Florence G., D.Sc., Ph.D.
Lecturers
Jones, J. R. E., D.Sc., Ph.D.
Healey, E. G., B.Sc. Lond., Ph.D.
Munich.

Agriculture and Rural Economy
Nichols, J. E., M.Sc. Durh., Ph.D.
Edin.
(Animal Husbandry) Mil-
ford Prof.
Phillips, R., M.Sc.

Asst. Dir. of Res.
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.
Edwards, R. S., B.Sc.
Asst. Lectr.

Agric. Botany
Thomas, P. T., B.Sc., Ph.D.
Prof.
Griffiths, E., B.Sc. Lectr.

LIBRARIES. College, 109,000 vols. and 13,000 pamphlets. 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, Education. *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 exams. 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 four hostels, all of which are situated on the Marine Promenade. The two women's hostels are Alexandra Hall and Carpenter Hall, which accommodate 180 and 55 students respectively. Men students are accommodated at Plynlymon and Ceredigion, where there are 71 and 67 students respectively. The fees for residence in hostels are 100 gs. per session. All enquiries should be addressed to the Registrar. Men students not residing in hostel live in approved lodgings.

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.

STUDENT WELFARE. Every effort is made to foster the welfare of students by the encouragement of athletic and social activities. Playing fields with a running track, gymnasium, and a swimming bath at Penglais, together with a club room and a refectory, are set apart for the use of students. A dining club has been organized for men students.

PUBLICATIONS. *Prospectus* (May); *Reports* (Oct.), 1s. 2d., post free; Students' Magazine, *The Dragon*; Inaugural Lectures.

THE YEAR 1949-50

BENEFACTIONS. *International Politics Endowment Fund:* The Misses G. E. and M. S. Davies, £22,500; *Dept. of Agric. (Animal Husbandry)—Animal Health Section:* Rt. Hon. Lord Milford, £2200; Hon. Gwenllïan Philipps, £500.

Agric. Devel. Fund: Col. E. Harewood-Williams, £250; W. L. Davies, £125. *Scholar. and Prize Funds*: late Mrs. Elizabeth Lewis, £3845:6:3; Miss E. C. Nightingale, £150; G. A. Edmunds, £30; J. H. Bunford, £111:10s. *Geology Dept.*: Charles B. C. Storey, £27:10s. *Field Excursions for Geology Students*: Anglo-Saxon Petroleum Co., Ltd., £100. *General Purposes*: late A. T. Grindley, £20.

EXTRA-MURAL WORK. Classes were held at 167 centres (32 Tutorial Classes, 13 Sessional Classes, 75 Terminal Courses, 47 Short Courses, 4 One-day Day Schools, and 3 Week-end Schools).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	903
Women	2	283
Total	4	1186

Included in the above are 68 postgraduate students and 380 first-year admissions.

Extra-mural students, 2915 (1692 men, 1223 women).

DEGREES. B.A., 115; B.Sc., 59; B.Sc. (Rural Sci.), 34; LL.B., 12; M.A., 21; M.Sc., 10; Ph.D., 4.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR

Founded 1885

Telephone : Registrar—Bangor 501.

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.

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.

Senior Lecturers.

Davey, A. Jane, M.Sc. Lond.

Woodhead, N., M.Sc. Manc.

Lecturers

Jackson, G. A. D., B.Sc., Ph.D.
Durh.

Lacey, W. S., B.Sc. Reading.

Hon. Keeper of the Herbarium.

Tweed, R. D.

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.

Lecturers

Whelan, W. J., Ph.D. Birm.

Holmes, F., B.Sc. Lond.

McKail, J. E., B.Sc., Ph.D. Edin.

Turton, Lilian M., B.Sc., Ph.D.
Birm.

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.

Lecturers

Browne, R. A., Ph.D. Camb., M.A.

Pollard, J. R. T., M.A. Lond.,
B.Litt. Oxon.

Fitton-Brown, A. D., B.A. Camb.

Simpson, R. H., B.A. Durh.

Economics

Rees, J. Morgan, M.A. Prof.

Lecturers

Scammell, W. M., B.Com. Belf.

Gray, M., M.A. Aberd.

Johnston, J., B.Com.Sc. Belf.

Jones, S., B.A. 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. Hywel D., M.A.

Lectr. and Tutor of
Women Students.

Alexander, Marjorie B. Lectr.
 Williams, I., B.Sc. Lectr.
 Clegg, F. E., M.A. Camb. Lectr.
 Jones, W. R., M.A. Lectr.
 Tibbitts, E. L., B.A. Lond. Lectr.
 Jones, David Lectr.
 Instructor in Rural
 Science.
 Gibson, Mrs. Alice I.
 P.T. for Women.

Electrical Engineering

Williams, E., B.Eng., Ph.D. Liv.
 Prof.
 Williams, W. E., B.Sc.
 Prof. Emeritus.
 Morris, D. G. O., B.Sc. Sr. 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.
 Lecturers
 Owen, W. J. B., M.A. N.Z. and
 Oxon.
 Bradbrook, F. W., M.A. Camb.

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.

Alexander, I. W., M.A., D.Litt.
 Edin. Prof.
 Cariou, Hélène Lectrice.
 Lecturers
 Watkins, J. H., M.A.
 Barber, W. H., M.A., D.Phil. Oxon.
 Grimsley, R., M.A., D.Phil. Oxon.

German and Teutonic Philol.

Spalding, K., M.A., Ph.D. Birm.
 Indpt. Lectr.
 Stuart, Mrs. Hannah S. M., B.A.,
 Ph.D. Lond. Lectr.
 Parry, I. F., M.A. Lectr.

Hebrew and Biblical History and Literature

North, C. R., M.A., D.Lit. Lond.,
 Hon. D.D. Aberd. Prof.
 Roberts, Rev. B. J., M.A., B.D.
 (Bib. Hist. and Lit.)
 Sr. Lectr.
 Ap-Thomas, D. R., M.A. Oxon.,
 B.D. Lond., B.A.
 (Hebrew) Lectr.
 Buse, Rev. I., M.A., B.D.
 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.

Lecturers

Rees, Mrs. M. Una, Ph.D. Leeds.
 Cooke, M. E., B.A. Oxon., LL.B.
 Birm.
 Lewis, R. A., B.A., Ph.D. Birm.

History, Welsh

Roberts, G., M.A. Prof.
 Jenkins, R. T., M.A., D.Litt.
 Camb., B.A., F.S.A.
 Prof. Emeritus.

Logic and Philosophy, v. also Theol.

Lewis, H. D., B.Litt. Oxon., M.A.
 Prof.

Lecturers

Jones, H. Morris, B.Litt. Oxon.,
 B.A.
 Thomas, L. E., M.A.
 Rees, D. A., M.A. Oxon.
 Assistant Lecturers
 Miles, T. R., M.A. Oxon.
 McPherson, T. H., M.A. N.Z.,
 B.Phil. Oxon.

Mathematics

- Littlewood, D. E., M.A. Camb.
 Prof.
 Phillips, E. G., M.A. Camb., M.Sc.
 Manc. Sr. Lectr.
 Newing, R. A., B.Sc., Ph.D. Lond.
 Sr. Lectr.
 Barker, C. C. H., M.Sc. Lond.
 Lectr.

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.
 Lecturers
 Jones, H. Irvon, M.Sc.
 Morris, D. P., B.Sc.
 Morgan, G. D., B.Sc., Ph.D.

Theology, v. also Hebrew and
 Bib. Hist. and Lit.*Special Lecturers*

- Jones, Rev. Prof. R. T., B.Phil.
 Oxon., B.A., B.D.
 North, Rev. Prof. C. R., M.A.,
 D.Lit. Lond., Hon. D.D.
 Aberd. (Old Testament and
 Semitics).
 Ap-Thomas, D. R., M.A. Oxon.,
 B.D. Lond., B.A. (Old Test.
 and Semitics).
 Lewis, Prof. H. D., M.A., B.Litt.
 Oxon. (Theism and Phil. of
 Relig.).
 Bowyer, Rev. Principal G., B.A.,
 B.D. (Christian Doctrine).

- Hughes, Rev. Princ. J. Williams,
 M.A., B.D. (New Test.).
 Richards, T., M.A., D.Litt.
 (Church Hist.).
 Jones, Rev. Prof. T. E., M.A.,
 B.D. (Holy Scriptures).
 Charles, Rev. H. J., M.A. (New
 Test.).
 Jenkins, Prof. R. T., M.A., D.Litt.,
 F.S.A. (Church Hist.).
 Gundry, Rev. D. W., M.Th. Lond.
 (Hist. of Religions).

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. Sr. 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., Ph.D.
 Lectr.
 Jones, C. Burdon, B.Sc., Ph.D.
 Lectr.
 Hemmings, W. A., B.A. Oxon.
 Res. Asst.

Agriculture

- [Prof.
 Roberts, E. J., M.A. Camb., M.Sc.
 Davies, G. M., B.Sc. Lectr.
 Williams, G. L., B.Sc. Lectr.

Agric. Botany

- [Prof.
 Roberts, R. Alun, B.Sc., Ph.D.
 Lecturers
 Parry, D. W., M.Sc.
 Mence, Margaret J., M.A. Camb.
 Bradshaw, A., M.A. Camb.
 Asst. Lectr.
 Whitehead, T., M.So., Ph.D.
 Hon. Lectr.

Agric. Chemistry

Evans, W. C., Ph.D. Manc., M.Sc.,
F.R.I.C. Prof.
Evans, R. A., M.Sc. Lectr.
Davies, R. I., M.Sc. Liv. Lectr.
Smithson, F., D.Sc. Lond., F.G.S.
Lectr.

Agric. Zoology

Hobart, J., B.Sc. Lond. Lectr.
Ind, Marjorie D., Ph.D., Leeds
Asst. Lectr.
Jacob, F. H., M.Sc. Hon. Lectr.

Marine Biology

Crisp, D. J., M.A., Ph.D. Camb.
Director.
Jones, E. W. K., D.Phil. Oxon.,
B.Sc. Dep. Director.
Spencer, C. P., B.Sc., Ph.D. Leeds
Asst. Lectr.

Rowland Hughes Art Lecturer

1949-50—Sir Kenneth Clark,
K.C.B.
Subject—*The Collapse of
Humanism in the 16th Cen-
tury.*

Ballard Mathews Lecturer

1949-50—Prof. W. B. Stanford,
Litt.D.
Subject—*Ulysses in English
Poetry.*

Theology Lectures

1949-50—Dr. N. Zernov.
Subject—*Some Trends in
Modern Russian Theology.*
Very Rev. E. G. Selwyn, D.D.
Subject—*Authority in the New
Testament : Its Nature and
Function.*

Welsh Lectures

1949-50—Prof. Glyn Roberts,
M.A.
Subject—*Hanes Bangor.*

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.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES, *Arts*—Prof. Glyn Roberts ; *Science*—Prof. E. J. Roberts.

Wardens of Halls of Residence : Neuadd Reichel (Men), Rev. D. W. Gundry, M.Th. ; University Hall (Women), Margaret T. Martin, Ph.D.
Asst. Registrar : G. B. Owen, B.Com. Lond. ; Finance Sec. : R. G. Evans ;
Academic Sec. : Moreen Bates ; Library Assts. : Margaret D. Jones, B.A. ;
R. I. J. Tully, F.L.A. ; Housemistress : Marian Beaumont ; Careers Adviser :
L. E. Thomas, M.A. ; Lodgings Officer : R. I. Davies, M.Sc. ; Clerk of Works :
J. S. Dunn.

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 bygonies 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. In addition to the normal courses in Arts 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: 1st 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: 10s.

SCHOLARSHIPS, ETC., FOR GRADUATES. Twenty College awards ranging in value from £25 to £100, open to students of the College. Loan fund to help poor students to complete courses; also University Studentships of £250 and Fellowships of £350. *See also under Univ.*

RESIDENCE. (For Wardens, *see* "Administrative and other Staff," *supra*.) Neuadd Reichel provides accommodation for 160 men (fee, £115 p.a.) and University Hall, with its annexes, for 100 women. The Warden of Women Students is also Warden of University Hall.

UNIVERSITY EXTENSION, ETC. Local lectures in Literature, Econ., and Agric.; small lending libraries; Tutorial and Preparatory Classes in six counties.

PRINCIPAL STUDENT ATHLETIC FACILITIES. The Coll. has extensive playing fields for rugby, soccer, hockey, tennis, and net-ball. The Gymnasium has a ring for the use of the Boxing Club and provision is also made for fencing and badminton. In addition, there is a very well-equipped Rowing Club.

STUDENTS' UNIONS. In addition to the normal Union facilities in the Coll. itself, a large house has been converted into a Union.

PUBLICATIONS. *College Magazine*, one issue per term, 1s.; Prospectus free.

THE YEAR 1949-50

ADULT EDUCATION. 35 Tutorial Classes, 32 Univ. Sessional Courses and 8 Terminal Classes with 1400 students (518 women) chiefly in Philos., Lit., Economics, Hist., Social and Political Studies, Music and Drama. The Bangor Summer School, under the auspices of a Cttee. representing the Joint Tutorial Classes of the Univ. Coll. of N. Wales and the Univ. of Manchester, was held at Neuadd Reichel in July and Aug. 1950 for the 37th successive yr.

BENEFACTIONS. The Worshipful Company of Drapers, to provide additional library lighting, £500; Arts Council of Great Britain, £400; Miss A. J. Jones, £250.

NEW BUILDINGS. The large extension to Men's Hall of Residence was completed and the large new Chem. bldgs. were opened. Work on the new Bot./Forestry, Physics and Zool. bldgs. was started. It is expected that these bldgs. will take approx. 3 yrs. to finish and this work will substantially

complete the full scheme for the Sci. depts. The Coll. purchased and completely re-equipped the M.V. *Nautilus* and it will prove of great assistance to the work of the Marine Biol. Station.

RETIREMENTS. Dr. Kathleen Cunningham, Hd. of Dept. of German ; Miss Myfanwy Thomas, Lectr. in Art and Crafts.

DEATHS. Prof. G. W. Robinson, Hd. of Dept. of Agricultural Chem. ; Dr. F. Gross, Dir. of Marine Biol. ; D. Dylan Pritchard, M.A., Lectr. in Economics.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	7	708
Women	9	220
Total	16	928

Included in the above are 139 postgraduate students and 260 first-year admissions.

DEGREES. *Arts* : B.A., 120 ; M.A., 7. *Theol.* : B.D., 2. *Sci.* : B.Sc., 113 ; M.Sc., 3 ; Ph.D., 4.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

Founded 1883

Telegrams : Coleg, Cardiff.

Telephone : Cardiff 9160.

PRESIDENT—The Right Hon. THE VISCOUNTESS RHONDDA.

TREASURER—D. W. VAUGHAN.

PRINCIPAL—ANTHONY STEEL, O.B.E., M.A. Oxon. and Camb.

REGISTRAR—ELWYN R. EVANS, M.A. Oxon.

LIBRARIAN—R. J. BATES, M.A. Oxon.

TEACHING STAFF

Anatomy

..... Prof.
Hughes, H., B.A., M.B., B.Ch.
Liv. Sr. Lectr.
Jacoby, F., M.D. Berl., Ph.D.
Birm. (Histol.) Sr. Lectr.
Lecturers
Martin, B., B.Sc., M.B., B.Ch.
(Histol.).
Irvine, G., M.B., B.Ch. Edin.
Moffat, D. B.
Assistant Lecturers
Dark, A. J., M.B., B.Ch.
Towers, B., M.B., Ch.B. Liv.

Lecturers

Percival, Mary S., B.Sc. Edin.
Benson-Evans, Kathryn, M.Sc.
Arney, S. E., B.A. Oxon.
(Plant Physiol.).
Hyde, H. A., M.A. Camb., F.L.S.
(Econ. Bot.) Hon. Lectr.
and Keeper of Bot. in
Nat. Museum.
..... (Bot.) Asst. Lectr.
Melville, T. H., B.Sc. (Agric.)
Leeds, Dip.Bact. Manc. (Bac-
teriol.) Asst. Lectr.
1 Demr. and Res. Asst.

Archæology

Nash-Williams, V. E., M.A., D.Litt.,
F.S.A. (Keeper of Dept. of A.
in Nat. Museum) Lectr.

Architecture

John, L., M.A., B.Arch. Liv.,
F.R.I.B.A. Lectr.

Botany

McLean, R. C., M.A. Camb., D.Sc.
Lond., F.L.S. Prof.
Cook, W. R. Ivimey, B.Sc., Ph.D.
Lond., F.L.S. Sr. Lectr.

Chemistry

Evans, A. G., Ph.D., D.Sc. Manc.
Prof.

Senior Lecturers

Bowden, S. T., D.Sc. Leiden,
M.Sc. Mich., D.Sc., F.R.I.C.
Bassett, H. Ll., M.A. Camb.,
B.Sc. Lond. (Organic C.).
Cullinane, N. M., D.Sc. N.U.I.,
M.Sc., F.R.I.C.

Lecturers

Chard, S. J. H., M.Sc., F.R.I.C.
Purnell, J. H., B.Sc.
Thorne, N., M.Sc.

Classics

Richardson, L. J. D., M.A. Wales
and Dub. (Greek) Prof.
Austin, R. G., M.A. Oxon.
(Latin) Prof.

Lecturers

Cadoux, T. J., M.A. Oxon.
Tetstall, R. G., M.A. Camb.
White, Sheila, B.A. Liv.
Poyser, G. H., M.A. Oxon.
Williams, G. W., M.A. Dub.

Economics and Soc. Science

Thomas, B., M.A., Ph.D. Lond.
Prof.
Parris, S. C., B.Sc. (Econ.) Lond.
Lectr.
..... (Statistics) Lectr.
..... (Soc. Sci.) Lectr.
Lectr. and Organizing
Tutor.

Crichton, Anne, B.A. Liv.
(Soc. Sci.) Lectr.
Jenkins, H. J. S., M.A., B.C.L.
Oxon. (Law) Lectr.
Magee, C. C., B.Com. Lond.
(Accountancy) Lectr.
Gibbs, J. M., M.A. Camb. and
Lond. (Psychol.) Lectr.
Assistant Lecturers (Econ.)
Pole, J. D., B.A. Camb.
Maynard, G. W., B.Sc. (Econ.)
Lond.

.....
i Res. Asst.

Education

Evans, E., M.A. Prof.
Lecturers
Amos, Rev. A. D., B.Sc. Lond.,
M.A. (and Master of Method).
Morris, Elizabeth M. D., M.A.
Lond., B.A.
Mulrenan, B. W., B.A. Sheff.
Simpson, E. B., M.A., B.Sc. Lond.
Griffith, Mignon B.
Evans, L. Wynne, M.Ed. Durh.,
M.A.

Bull, Beryl M., B.A.
Williams, Ethel M.
Thomas, H., B.Mus.
Mathias, W. A., M.A.
Othen, C. W., M.Sc.

Lecturers and Research Officers
Evans, Kathleen M., M.A., B.Sc.
Lond.

Jones, C., B.Sc.
Assistant Lecturers
Pitts, R., B.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.

Lecturers

Sheen, F. V., B.Sc.
Bannister, J. L., B.Sc. Tech. Manc.,
M.Sc.
Bray, R. O., B.Sc. Lond.
Davies, W., B.Sc.
Trigg, C., B.Sc.
Powell, W. H., B.Sc.
Edmunds, H. J., B.Sc. Lond.

English Lang. and Lit.

Llewellyn, E. C., M.A., B.Litt.
Oxon., B.A. Prof.

Senior Lecturers

Bethell, S. L., M.A. Camb., M.A.
Merchant, Rev. W. Moelwyn, M.A.
Thomas, R. G., M.A., Ph.D.

Lecturer

Williams, Kathleen M., M.A.
Oxon.

Assistant Lecturers

Pitt, Valerie, B.A. Oxon.
Elliott, C., M.A.

French and Romance Philology

Thomas, J. Heywood, M.A.,
D. de l'U. Paris Prof.

Senior Lecturers

Urwin, K., M.A. Sheff., D. de l'U.
Paris (French).

Morse, B. J., M.A. (Italian).
Lecturers

Butler, P. F., L. ès L. Lausanne.

Spencer, R. H., B.A. Leeds.

Morris, Thelma, B.A., D. de l'U.
Paris.

Geology

Anderson, J. G. C., M.A., D.Sc.,
Ph.D. Glas., F.G.S. Prof.

Baker, J. W., B.Sc. Birm., F.G.S.
Lectr.

Blundell, R. K., B.Sc., F.G.S.
Lectr.

Richards, Elizabeth, M.Sc., F.G.S.
Asst. Lectr.

German

Williams, T. P., M.A.
Indep. Lectr. and Hd. of
Dept.

Haas, V., M.A. Lectr.

Jones, Mrs. V. Isabel, M.A. Edin.
Lectr.

*Histology, v. Anat.**History*

Rees, W., D.Sc. Lond., M.A.
Prof.

Acting Hd. of Dept.

Whale, Gwendolyn B. M., B.Litt.
Oxon., B.A. Sr. Lectr.

Marshall, Dorothy, Ph.D. Camb.
Sr. Lectr.

Lecturers

Powell, I. B., B.A.

Roots, I. A., M.A. Oxon.

Loyn, H. R., M.A.

Edwards, E. W., M.A.

1 Res. Asst. in Econ. Hist.

History of Wales

Rees, W., D.Sc. Lond., M.A.

Pierce, G. O., B.A. Prof.
Lectr.

Industrial Relations

Fogarty, M. P., M.A. Oxon. Prof.

Ross, N. S., M.A., Ph.D. Durh.

2 Res. Assts. 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

Cooper, J. L. B., B.A., D.Phil.
Oxon. Prof.

Morris, Rosa M., Ph.D. Camb.,
B.Sc. Sr. Lectr.

Lecturers

Pope, A. H., M.Sc. Lond.

Rowland, E. N., M.A., Ph.D.
Camb.

Stephens, Kathleen M., M.Sc.
Lond.

Morley, Hilda, M.A. Lond.

Gold, G., M.A. Camb.
Asst. Lectr.

Metallurgy and Fuel Technology

Jones, W. R. D., D.Sc., F.I.M.
Prof.

Evans, T., B.Sc., Wales and Lond.
(Fuel Technol.) Sr. Lectr.

Lecturers

Carpenter, D. L., B.Sc.
(Fuel Technol.)

Garwood, R. D., B.Sc.

Hopkins, A. D., M.Sc.

Wilson, A. J. C., M.Sc. Dal., Ph.D.
Camb. and M.I.T., F.I.P.

(X-ray Metallography).

Mining

Sinclair, J., M.Eng., Ph.D. Sheff.
Prof.

Lecturers

Probert, L., B.Sc.

Killeen, J. F., B.Sc.

Powell, W. H., B.Sc.

Rees, D. T. A., B.Sc.

Music

Morgan, J., D.Mus., F.R.C.O.

Prof.

Lecturers

Piggott, P.

Bruce, I. M., M.A., B.Mus. Edin.

Collier, D. G., M.Mus.

Bruce, R., D.F.C., B.Mus. Edin.

Teachers

Kelsey, F. (Singing).

Humphreys, S. (Violin).

Mutter, G. N. (Viola).

Isaac, G. ('cello).

Popperwell, S., B.A. Camb.

(Violinist).

Coningsby, E., M.A., B.Mus. Camb.,

F.R.C.O. (Organ).

Jones, Valerie E., B.Mus. (Piano).

And teachers of all orchestral instruments.

Philosophy

de Selincourt, O., M.A. Oxon.

Prof.

Lecturers

Evans, J. Ll., M.A., D.Phil. Oxon.

Brunton, J. A., M.A. Oxon.

*Physics*Dunbar, R. T., M.A., Ph.D. Edin.,
F.Inst.P. Prof.Wilson, A. J. C., M.Sc. Dal., Ph.D.
Camb. and M.I.T., F.I.P.

Sr. Lectr.

Lecturers

Young, C. L., B.Sc.

Lectr. and Dir. of Labs.

Harker, G. F. H., M.A. Camb.

Rowland, E. N., M.A., Ph.D.
Camb.

Wood, R. G., M.Sc. Manc.

Hon. Lectr.

Hughes, J. W., Ph.D.

Rogers, D., Ph.D. Lond.

Howells, R. G., B.Sc.

Grant, D. F., Ph.D. Durh.

Asst. 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.) Lectr.

Spencer, B., B.Sc., Ph.D. Liv.

(Biochem.) Asst. Lectr.

..... Asst. Lectr.

..... Asst. Lectr.

Semitic Languages

Johnson, A. R., Ph.D., F.B.A. Prof.

Rowlands, Rev. E. R., B.A.

Camb., M.A. Lectr.

Ryder, Rev. E. T., M.A. Oxon.,

B.D. Lond. Lectr.

Welsh

Williams, G. J., M.A. Prof.

Jarman, A. O. H., M.A. Lectr.

Pierce, G. O., B.A. Lectr.

..... Lectr.

Zoology & Comparative Anatomy

Brough, J., D.Sc. Manc. Prof.

Sheppard, Edith M., D.Sc.

Sr. Lectr.

Jefferson, G. T., B.Sc. Lond.

(Entomology) Lectr.

Evans, W. A. L., B.Sc. Birm.

Lectr.

Erasmus, D. A., B.Sc. Asst. Lectr.

University Extension..... Director of Extra-mural
Studies.

Organizing Tutors

I. Morgan, M.A.; E. R. Lewis,

M.A.; V. H. Jones, LL.B.

Lond., B.A.; M. R. Hausheer,

B.A.

Staff Tutor: E. Hodges.

40 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Warden of Aberdare Hall : E. Olwen Parry, M.A. College Appointments and Advisory Officer : W. H. Morgan, B.Sc. (Econ.) Lond., B.Sc.

ASSOCIATED INSTITUTION

CITY OF CARDIFF TECHNICAL COLLEGE, CARDIFF (*Telephone* : Cardiff 6813). Principal, A. Harvey, Ph.D., B.Sc., F.Inst.P. This Institution joins 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.

LIBRARY. Drapers' Company's, 117,000 vols.

MUSEUMS. Anat., Zool. The National Museum of Wales (Art, Archæol., Zool., Geol., Bot.) is located in an adjacent building.

LABORATORIES. Physical Research, with a comprehensive equipment for X-ray diffraction investigation, etc. ; Engineering (including 100-ton testing machine) ; and usual science and medical research laboratories.

The language of instruction is English. Classes are open to both men and women students of not less than 17 yrs. on Oct. 1 of the session of admission. Those preparing for a degree must be matriculated in the University of Wales or be in possession of certificates of an equivalent standard which are found acceptable to the University in lieu.

FACULTIES AND DEANS. Arts (Prof. J. Morgan), Science (Prof. J. Sinclair), Education (Prof. E. Evans), Theology (Prof. A. R. Johnson). *Departments* : Music, Education, Law, Applied Science and Technology.

DEGREES. Candidates are prepared for the following initial degrees of the University of Wales : B.A., B.Mus., B.Sc., and in part for the degrees of B.Arch. and B.Pharm. Postgraduate courses of study are provided for candidates for higher degrees of the University and other Universities. Medical students pursue their preliminary medical studies at the College and their clinical studies at the Welsh National School of Medicine. The first part of the course for the degree of B.Arch. of the University of Wales, occupying 1 yr., can be pursued at the College, while the second part, occupying 5 yrs., is pursued at the Welsh School of Architecture, Cathays Park, Cardiff. The Preliminary Part of the course for the degree of B.Pharm., extending over not less than 1 yr., can be taken at the College, while the Final Part, extending over 2 yrs., is taken at the Welsh School of Pharmacy, Cardiff.

COLLEGE DIPLOMAS, ETC. Engin., Metalliferous Mining, Metallurgy ; Lang., Lit., and Hist. of Wales ; 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 is awarded after a 1-yr. course. After graduation in certain subjects, suitably qualified students desirous of securing a Diploma in their special subject, may be awarded one without further study, while in other cases a graduate can be awarded such a Diploma after pursuing a modified course for 1 yr. A certificate of Proficiency

in Biblical Studies is awarded as an additional qualification for intending teachers of Religious Knowledge. It is awarded on the satisfactory pursuance of a special course (a) taken concurrently with a degree course, or (b) separately, covering 1 yr. Diplomas are granted jointly by the College and the City of Cardiff Technical College, in the following subjects: Mech. Engin. or Marine Engin., or Commerce, after a 3 yrs.' course, while postgraduate students may qualify for a Diploma in Chemical Engin., and the Diploma in Commerce, on the completion of a 1-yr. course under approved regulations.

SCHOLARSHIPS. Numerous scholps. out of trust funds are awarded for competition at entrance, and after one or more years' residence other scholps. and prizes are awarded for meritorious work. (Details are contained in the College Prospectuses obtainable from the Registrar.) *See also under Univ.*

FEES. Annual composition for tuition—Arts, £30; Science, £35; Music, £30; Applied Science, £35; Medical (first 3 yrs.), £35 to £45; Postgraduate study and research, £10 to £20. Registration, £1: 1s. p.a.

RESIDENCE. Hostel for women; Aberdare Hall, Cathays Park, Cardiff (for Warden, *see* "Administrative and other Staff," *supra*), room for 133, fees £120. Hostels for men: (a) St. Teilo's Hall, Waterloo Gardens, Cardiff (The Rev. The Warden), room for 33, fee £90; (b) Llandaff House, Old Road, Penarth, Glam. (The Rev. The Warden), room for 32, fee £100. Board and lodging in Cardiff can be obtained from £2: 5s. per week.

STUDENT WELFARE. Students seeking advice on lodgings in Cardiff and on careers in their last year are advised to consult the College Appointments and Advisory Officer, 31 Corbett Road, Cathays Park, Cardiff (*see* "Administrative and other Staff," *supra*). New students from overseas are especially advised to see him as soon as possible after their arrival in Cardiff.

STUDENT ATHLETIC FACILITIES. Playing grounds are provided for the pursuance of most field sports, as well as facilities for swimming and rowing. Grass tennis courts are sited at the College. A modern well-equipped gymnasium in its own building (49 Park Place, Cardiff) is also provided for the exclusive use of students. There is a Lecturer in Physical Training for men and one for women, who act as College Advisers in physical training and games.

STUDENTS' UNION. The Union building at 51 Park Place, Cardiff, provides amenities for developing and furthering the social and cultural life of the student body; it has a refectory, which is sometimes used for dances, lounges, and games rooms, and it houses the headquarters of the Students' Union Society. Every student is required to pay a Union amalgamation fee of £3: 13: 6 (£4: 11s. for medical students), which compounds for membership of the Students' Union Society and of all Student Clubs and Societies affiliated to it. (Student publications are the *Broadsheet* and *Cap and Gown*.)

ADULT EDUCATION. A number of resident tutors and a staff tutor, aided by a panel of suitably qualified part-time teachers, provide an educational service of a liberal character for the adult population of the College area, by way of classes and lectures. A section of the College Library is devoted to the service of the classes, providing them with multiple copies of selected text-books on as wide a range of topics as annual income apportionments permit. This branch of College work has its office at 31 Corbett Road, Cardiff. (*For list of staff—see University Extension, supra.*)

PUBLICATIONS. *Admission of Students* (Terms of) (Oct.); *General Prospectus* (with syllabuses of study) (June); *Entrance Scholarships Prospectus* (April); *Calendar* (triennially); *A Short History of the College*, 2s. 6d.

THE YEAR 1949-50

BENEFACTIONS. For special purposes, prizes, etc., £6576 : 13 : 5.

NEW BUILDINGS. Work begun on erection of additional labs. for Depts. of Physics and Chem. to complete existing Tatem Lab. Wing which houses these two depts.

ADULT EDUCATION WORK. 90 Classes were held, as follows: Univ. Tutorial Classes, 19; Univ. Sessional Classes, 71. Total number of students attending, 1442.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. 4 public lectures on "The Gospel according to St. Mark," Prof. R. H. Lightfoot; "The Dead Sea Scrolls," Prof. E. L. Sukenick; "Wordsworth and Tennyson," Prof. D. Gwilym James; 3 lectures on "Advanced Aspects of Palæontology," Prof. D. Leitch.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITY COLLEGES. At Univ. College, Swansea, 3 lectures on "Metamorphic Geology," Prof. J. G. C. Anderson; at Univ. College of Wales, Aberystwyth, 4 lectures on "Icelandic Literature," R. G. Thomas.

RETIREMENTS. S. Thomas, Spec. Lectr. and formerly Asst. Prof. (Engin.), and Prof. W. Norman Thomas (Engin.).

RESIGNATIONS. M. M. Anderson, Lectr. (Geol.), on appt. as Lectr. in Geol. at Univ. Coll. of the Gold Coast; A. H. Armstrong, Sr. Lectr. (Latin), on appt. to Chair of Classics at Univ. of Liverpool; R. Bosset, Teacher (Violin); K. L. Kinsman, Lectr. (Statistics, Dept. of Econ.); A. G. H. Mitchinson, Lectr. (Anat.); Eithne M. O'Sharkey, Lectr. (French); Mary Phillips, Lectr. (Bacteriol., Dept. of Bot.), on marriage; R. D. Purchon, Lectr. (Zool.), on appt. to Chair of Zool. in the Univ. of Malaya; Ruth A. Rees, Tutor (Soc. Science); W. A. C. Stewart, Lectr. (Educn.), on appt. to Chair of Education at Univ. Coll. of North Staffs.

DEATH. G. H. Livens, Prof. (Maths.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	25	1310
Women	34	447
Total	59	1757

Included in the above are 38 postgraduate students and 587 first-year admissions.

DEGREES. B.Arch., 2; B.A., 168; M.A., 9; B.D., 1; M.B., B.Ch., 45; M.D., 4; B.Mus., 5; M.Mus., 1; B.Pharm., 8; Ph.D., 6.

UNIVERSITY COLLEGE OF SWANSEA

Founded 1920

Telephone : Swansea 56805.

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.

TREASURER—T. J. REES, C.B.E.

DEAN OF FACULTY OF ARTS—Prof. D. B. QUINN, Ph.D. Lond.

DEAN OF FACULTY OF SCIENCE—Prof. H. O'NEILL, M.Met. Sheff.,
D.Sc. Manc., F.I.M.

TEACHING STAFF

Biology

Mockeridge, Florence A., D.Sc.

Lond., F.L.S. (Bot.) Prof.

Little, Percy A., B.Sc., Ph.D.
(Zool.) Lectr.

Isaac, I., Ph.D. Camb., B.Sc.,
F.L.S. (Bot.) Lectr.

Goodman, G. T., M.Sc. (Bot.)
Asst. Lectr.

Hayward, J., B.Sc. (Bot.)
Asst. Lectr.

1 Demr.

Chemistry

Shoppee, C. W., D.Phil. Basle,
D.Sc., Ph.D. Lond., F.R.I.C.

Prof.

Sykes, K. W., D.Phil. Oxon.
Sr. Lectr.

Lecturers

Ayling, E. E., M.Sc. Lond., F.R.I.C.

Davies, R. H., M.Sc.

Gowenlock, B. G., Ph.D. Manc.

Lewis, D. G., Ph.D. Lond.
Asst. Lectr.

1 Demr.

Classics

Farrington, B., B.A. Dub., M.A.
N.U.I. Prof.

Senior Lecturers

Hill, H., M.A. Sheff.

Moorhouse, A. C., M.A. Camb.

Lecturers

Smyth, W. R., B.A. Dub.

Griffiths, J. Gwyn, D.Phil. Oxon.,
M.A. Liv., B.A.

Economics

Morgan, E. V., M.A. Camb. Prof.
Lecturers

Bell, I. C., M.A.

Roberts, R. O., M.A.

Rees, G. L., B.A.

Cleary, E. J., B.A. Manc.

Education

Jones, E. J., M.A., D.Litt. Prof.
Lecturers

Stephens, D. J., M.Sc.

Jones, T. G. Jeffreys, M.Sc.

Owen, Annie, M.A., D. de l'U.
Paris.

Dale, R. R., M.A. Liv., M.Ed.
Leeds.

Griffiths, M. Auriol, B.A.

Brown, A. (Speech Trg.).

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.
 Rockey, K. C., M.Sc. Lond. Lectr.
 Williams, T. J., M.Sc. Birm., B.Sc.
 Lond. Lectr.
 Morton, A. J., B.Sc. Manc.
 Lectr.
 Ratcliff, G., B.Sc. Lectr.

English

- Thomas, W. D., M.A. Oxon., B.A.
 Prof.
 Westcott, Isabel M., B.A. Brist.,
 B.Litt. Oxon. Lectr.
 Bartley, J. O., D.Litt. Belf.
 Lectr.
 Sims, D. L., B.A. Oxon. Lectr.
 Amis, K. W., M.A. Oxon. Lectr.

French

- Knight, R. C., M.A. Oxon., D. ès L.
 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.
 Prof.

Lecturers

- Oliver, J., B.A. Brist. (Geog.).
 Simpson, B., M.Sc. Liv. (Geol.),
 F.G.S.

- Owen, T. R., M.Sc., F.G.S. (Geol.).
 Groom, Gillian E., B.Sc. Birm.,
 F.G.S. (Geog.).

Assistant Lecturers

- Tracy, P. J., B.A. Camb. (Geol.).
 Walmsley, V. G., B.Sc. Manc.,
 F.G.S. (Geol.).

German

- Heller, E., Ph.D. Camb. Prof.
 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, G., M.A. Sr. 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., Ph.D., M.A.
 Camb. Sr. Lectr.
 Foulkes, H. O., D.Sc. Sr. Lectr.
 Godwin, H. J., M.A. Camb.
 Lectr.
 Manwell, A. R., B.Sc. Lond.

- Lectr.
 Evans, G. W., M.A. Camb. Lectr.
 Brennan, J. G., B.Sc. Asst. Lectr.
 Perfect, Hazel, M.A. Lond.
 Temp. 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.
 Dennison, J. P., Ph.D. Leeds
 Lectr.

- Parker, R. H., B.Sc. Manc. Lectr.
 Greenough, A. P., M.A. Camb.
 Asst. Lectr.

Philosophy

- Heath, A. E., M.A. Camb. Prof.
 Rhees, Rush, M.A. Edin. Lectr.
 Holland, R. F., M.A., B.Phil.
 Oxon. Asst. Lectr.
 Winch, P. G., B.A., B.Phil. Oxon.
 Asst. Lectr.

Physics

Jones, F. Llewellyn, M.A., D.Phil.
Oxon., F.I.P. Prof.
Davidson, P. M., B.A. Camb.,
Ph.D. Lond. Sr. Lectr.
Beynon, W. J. G., B.Sc., Ph.D.,
F.I.P. Sr. Lectr.
Wright, L., M.Sc. Sheff. Lectr.
Griffin, L. R., M.Sc. Lond. Lectr.
Brown, G. M., B.A. Camb.
Asst. Lectr.
1 Demr.

Welsh

Lewis, H., M.A., D.Litt. Prof.
Williams, S. J., M.A., D.Litt.
Sr. Lectr.
Bevan, T. H., M.A. Sr. Lectr.
Evans, D. S., M.A., B.D. 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.
Stacey, F. A., M.A. Camb., B.Phil.
Oxon. Asst. Lectr. in Politics.

University Extension

David, Illyd, M.A., LL.B. Camb.,
LL.D. Dub., M.A.
Sr. Staff Tutor.
Griffiths, T. Hughes, M.A.,
Dr. Pol. Sc. Geissen 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.

ADMINISTRATIVE AND OTHER STAFF

Warden of Beck Hall of Residence for Women students: Elsie Griffiths, M.A. Camb. Appointments Adviser for Students: Mrs. D. Herbert Jones, B.A. Instructor in Physical Education: V. Jones, B.A. Assistant Librarian: Edith M. Owen, M.A. Sheff., F.L.A.

GENERAL INFORMATION

Incorporated by Royal Charter, dated Jan. 21, 1920, the College was made a constituent College of the Univ. of Wales by a Supplemental Charter to the Univ. on Aug. 13, 1920. The administrative offices, assembly hall, some common rooms, and some of the Science departments, are accommodated in a mansion in Singleton Park, presented, together with about 46 acres of land surrounding it and 15 acres for playing fields, by the Corporation of Swansea, which also gave £50,000 towards the cost of 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 also buildings to accommodate the Arts Departments, the Library, the Refectory and common rooms.

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. All the College laboratories (Physics, Chem., Geol., Biol., Metall., Engin.) are well equipped and include fine experimental plant for instruction and research.

FACULTIES AND DEANS. Science, Professor H. O'Neill. Arts, Professor D. B. Quinn.

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.

ENTRANCE REQUIREMENTS. All students entering the College must be at least 17 years of age and have passed the Matriculation Examination of the University of Wales, or an approved equivalent examination.

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.

HIGHER DEGREES. M.A., M.Sc., Ph.D., D.Sc., D.Litt.

COLLEGE DIPLOMAS. Social Science (2 yrs.—suitably qualified graduates may be allowed to complete the course in 1 yr.); Youth Leadership and Organization (1-yr. Course); Mathematical Physics (2-yrs.' Postgraduate Course); Mathematical Statistics and Computational Analysis (1-yr. Course).

RESEARCH. All Departments of the College are available for postgraduate and research work, and the respective Professors are always prepared to advise students wishing to undertake research.

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.

The usual language of instruction is English.

ADULT EDUCATION. The College has an extensive scheme of Extra-mural work.

SCHOLARSHIPS, ETC., FOR GRADUATES. Awards of 1-yr. research student-ships, value £250 to £500 each. *See also under Univ.*

APPOINTMENTS BOARD. *See under Univ.*

OLD STUDENTS' ASSOCIATION. Secretary—W. H. G. Morgan, B.A., 161 St. Helen's Avenue, Swansea. London Branch Secretary—Miss A. M. Pearce, B.Sc., Horspin, Hanger Lane, Ealing, W.5.

LIBRARY. In the College Library, books and pamphlets now number 99,000.

RESIDENCE. Beck Hall of Residence, Gwydr Gardens, Uplands, Swansea, for women, accommodating 80 students. Fee, £95 p.a. A list of Registered Lodgings is kept by the Registrar.

STUDENT HEALTH SERVICE. *See under* Welsh National School of Medicine.

ATHLETIC FACILITIES. 15 acres for playing fields; swimming bath and squash rackets courts, and a gymnasium.

STUDENTS' UNION. "Maes-yr-Haf," 50 Sketty Road, Swansea.

PUBLICATIONS. College *Prospectuses*: General, Engineering, Metallurgy, Department of Education, Diploma Course in Social Science, Beck Hall of Residence, Entrance Scholarships Examination, Mature Age Matriculation Examination; Student Publication *Dawn* (College Magazine) (Dec. and June).

THE YEAR 1949-50

BENEFACTIONS. Donations and annual subscriptions amounting to £3431 : 14 : 8.

DEVELOPMENTS. The College has joined with the Students' Representative Council in arranging annually a College Religious Service.

EXTRA-MURAL WORK. 30 Univ. Tutorial Classes, 16 Sessional Classes, and 11 short courses with 884 students. A summer school was held during 2 weeks.

RESIGNATIONS. W. B. Gallie (Philos.), on appt. to Professorship of Philos. at N. Staffs. Univ. Coll. ; Miss E. M. E. Forsyth (Bot.), on marriage ; Dr. K. Spalding (German), on appt. as Ind. Lectr. and Hd. of Dept. of German at Univ. Coll., Bangor.

DEATHS. W. T. Farr, one of the Vice-Presidents and the Treasurer of the College since 1932 ; R. Griffiths (Metall.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	13	892
Women	4	186
Total	17	1078

Included in the above are 50 postgraduate students and 342 first-year admissions.

DEGREES. B.A., 58 ; B.Sc., 97 ; M.A., 5 ; M.Sc., 4 ; Ph.D., 3.

THE WELSH NATIONAL SCHOOL OF MEDICINE, CARDIFF

Incorporated by Royal Charter 1931

Postal Address : 34 Newport Road, Cardiff.

Telephone : Provost and Secretary, Cardiff 3280.

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 FREDERICK J. ALBAN, C.B.E.

SECRETARY—F. DODSWORTH, F.C.I.S.

LIBRARIAN—ELUNED L. JONES.

TEACHING STAFF

(For subjects of first 3 yrs.—Anat.,
etc., v. Univ. Coll., Cardiff)

Anæsthetics

Mushin, W. W., M.A. Oxon., M.B.,
B.S. Lond., F.F.A.R.C.S.,
D.A. Dir. and Lectr.

Musgrove, A. H., F.F.A.R.C.S.,
D.A. (C.).

Jones, I. R., D.A. (C.).

Rendell-Baker, L., M.B., B.S.
Lond., D.A. (C.).

Roberts, Barbara C., B.Sc., M.B.,
B.Ch., D.A. (C.).

Picken, D. K. W., B.Sc., M.B.,
B.Ch., D.A. (C.).

Pearson, F. Y., F.R.C.S.Ed.
Clin. Tutor.

Child Health

Watkins, A. G., M.D. Lond., B.Sc.,
F.R.C.P. Prof.

Bray, P. T., B.Sc., M.B., B.Ch.
Sr. Lectr.

Jacobs, J., M.D., B.S. Lond.
Lectr.

Roberts, E. G. G., M.B., B.Ch.
Reg.

Dental Surgery

Murray, A. L., L.D.S. (C.).

Smith, J. I., L.D.S. (C.).

Brown, G. M. A., L.D.S. (C.).

Dermatology

Hodgson, G. A., M.B.E., M.A.,
D.M., B.Ch. Oxon. Lectr.

Rook, A. J., M.A., M.D., B.Chir.
Camb. (C.).

Forensic Medicine and Toxi- cology

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. G., M.D. Lond., D.P.H.,
F.R.C.P. Lectr.

Bevan, R. T., M.B., B.Ch., D.P.H.
Lectr.

Phillips, W. P., D.P.H. (Vaccina-
tion and Practice of Im-
munization) Instr.

(C.)=Clinical Teacher.

Lewis-Faning, E., D.Sc., Ph.D.
 Lond. Statistician.
 Davies, Mary E.
 Health Visitor Tutor.

Infectious Diseases

Harries, G. E., M.B., B.S. Lond.,
 D.P.H. Lectr.

Medicine

Scarborough, H., M.B., Ch.B.,
 Ph.D. Edin., F.R.C.P.Ed.
 Prof. and Dir.

Anderson, W. F., M.D., Ch.B.,
 F.R.F.P.S. Glas. Sr. Lectr.

Evans, M., B.Sc., M.B., B.Ch.
 Lectr.

Ingham, J., F.R.I.C. Biochemist.
 Phillips, W., M.D., F.R.C.P. (C.).

Howells, L. H., M.D. Lond.,
 F.R.C.P. (C.).

Evans, B., M.D. Lond. (C.).

Spillane, J. D., M.D., B.Sc.,
 F.R.C.P. (C.).

Jones, I. G., M.D. Lond., B.Sc.
 (C.).

Williams, D. A., M.Sc., M.D.,
 B.Ch. (C.).

Thomas, A. J., B.Sc., M.D., B.Ch.,
 D.P.H. (C.).

Freeman, A. G., M.A., M.D.,
 B.Chir. Camb. Reg.

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.

Evans, M. D. A., M.D., F.R.C.S.
 Ed., F.R.C.O.G. Asst. Lectr.

Fisher, H. J., B.Sc., M.B., B.Ch.,
 F.R.C.S.Ed. Asst. Lectr.

Webster, Helena J., B.Sc., M.B.,
 B.Ch., D.P.H. Asst. Lectr.

Jones, J., B.Sc., M.B., B.Ch.
 Asst. Lectr.

Foster, G. S., M.B., B.S. Lond.,
 M.B., B.Ch. Reg.

Ophthalmology

Thomas, J. W. T., M.B., 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. (C.).

Gluck, B., M.A., M.B., M.Ch. Dub.,
 D.O.M.S., F.R.C.S.Ed. (C.).

Oto-Rhino-Laryngology

Owen, R. D., B.Sc., F.R.C.S. Eng.
 and Ed. Lectr.

Thomas, H. A., B.Sc., M.B., B.Ch.,
 F.R.C.S.Ed. (C.).

Thomas, J. A. B., B.Sc., M.B.,
 B.Ch., F.R.C.S., D.L.O. (C.).

Pathology and Bacteriology

Gough, J., B.Sc., M.D. Prof.

Heppleston, A. G., M.B., Ch.B.
 Manc. (Path.) Sr. Lectr.

Magarey, F. R., M.D. Adel.
 (Path.) Sr. Lectr.

..... (Clin. Bact.) Sr. Lectr.

Thomson, S., M.D., D.P.H. Edin.
 (Bact.) Lectr.

Marks, J., M.D., B.S. Lond., Dip.
 Bact. (Bact.) Lectr.

Richards, D. B., B.Sc., M.B.,
 B.Ch. Lectr.

Withey, J. L., M.B., B.S. Lond.
 (Clin. Path.) Lectr.

James, W. R. L., B.Sc., M.B.,
 B.Ch. (Medico-Legal) Lectr.

Leopold, J. G., B.Sc., M.B., B.Ch.
 Asst. Lectr.

Williams, W. J., M.B., B.S. Lond.
 Asst. Lectr.

Watson, A. J., M.B., Ch.B. Aberd.
 Asst. Lectr.

Drummond, R. J.
 Hon. Clin. Teacher.

Fletcher, C. M., M.A., M.D.,
 B.Chir. Camb., F.R.C.P.
 Hon. Clin. Teacher.

Gilson, J. C., M.A., M.B., B.Chir.
 Camb. Hon. Clin. Teacher.

Keyser, J. W., M.Sc. Lond.
 Biochemist.

(C.) = Clinical Teacher.

Nethercott, S. E., B.Sc.
Asst. Biochemist.

Pharmacology

..... Prof.
Graham, J. D. P., B.Sc., M.D.
Edin., 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.

Physical Medicine

Lloyd, K. N., M.B., B.S. Lond.
Lectr.

Psychological Medicine

Hennelly, T. J., M.D., B.Ch.,
B.A.O., D.P.M. N.U.I.

Lectr.
Spillane, J. P., B.Sc., M.D., B.Ch.,
D.P.M. Eng. (C.).

Richter, D., Ph.D., M.A., B.Sc.,
F.C.S. Hon. Res. 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

Rogers, L. C., M.Sc., F.R.C.S.
Eng. and Ed., F.R.A.C.S.,
F.A.C.S. Prof. and Dir.

Aldis, A. S., B.Sc., M.B., B.S.
Lond., F.R.C.S.

Sr. Lectr. and Asst. Dir.
Lewis, C. W. D., B.Sc., M.B.,
B.Ch., F.R.C.S. Lectr.

Parker, A. O., M.D., C.M.,
F.R.C.S. (Orthopæd.) Lectr.

Wade, J. O. D., O.B.E., M.B.,
M.S. Lond., F.R.C.S. (C.).

Haycraft, J. B., M.C., M.B., Ch.B.
Edin., F.R.C.S. (C.).

Ioan-Jones, D., B.Sc., M.B., B.Ch.,
F.R.C.S. (C.).

Lysaght, A. C., F.R.C.S. (C.).
Wade, J. S. H., M.C., F.R.C.S.

(C.).
Evans, D., M.B., B.Ch., F.R.C.S.

Ed. (Fractures) (C.).
Foster, D. B. E., B.Sc., M.B.,
B.Ch., F.R.C.S. Ed. (C.).

Mogg, R. A., B.Sc., M.B., B.Ch.,
F.R.C.S. (C.).

Lewis, E. E., F.R.C.S. (C.).
Morris, D. G., B.Sc., M.B., B.Ch.,
F.R.C.S. Ed. (C.).

Langmaid, C., M.B., B.S. Lond.,
B.Sc., M.B., B.Ch., F.R.C.S.

(C.).
Harley, H. R. S., M.B., M.S. Lond.,
F.R.C.S. (C.).

Thomas, D. M. E. (C.).
Barwell-Clarke, I. F., F.R.C.S.

Reg.

Tuberculosis

Heaf, F. R. G., M.A., M.D. Camb.,
F.R.C.P. David Davies Prof.

Graham, S. H., M.D., Ch.B.,
D.P.H. Edin., T.D.D. Lectr.

Foreman, H. M., M.B.E., M.B.,
Ch.B. N.Z. Hon. Lectr.

Jones, V. E., M.B., B.S. Lond.,
M.B., Ch.B. Liv., B.Sc.

Hon. Lectr.
Ross, H. A., M.B., Ch.B., B.Sc.

Glas., D.P.H. Camb.
Hon. Lectr.

Thomas, D. M. E. (C.).
Harley, H. R. S., M.B., M.S. Lond.,
F.R.C.S. (C.).

Venereal Diseases

Downing, C. C. R., M.A., M.D.,
B.Ch., 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.

ADMINISTRATIVE AND OTHER STAFF

Asst. Secretary, E. K. Downing. University Student Welfare Officers : Medical Officer, R. A. N. Hitchens, M.B., B.Ch., D.P.H. ; Asst. Medical Officers : G. Grant, M.B., B.S. Lond. ; Edith McKnight, B.Sc., M.B., Ch.B. Glas.

GENERAL INFORMATION

The Welsh National School of Medicine originated in the institution of Depts. in Anat. and Physiol. at the Univ. Coll. of S. Wales and Monmouthshire, Cardiff, in 1893. The Dept. of Mat. Med. and Pharmacol. was instituted in 1898, and the Chair of Pathol. and Bacteriol. in 1910. The David Davies Chair of Tuberculosis and the Mansel Talbot Chair of Prev. Med. were endowed in 1921, and in that year Medical and Surgical Units and a Dept. of Obstet. and Gynæcol. were instituted. A Chair and Dept. of Child Health were established in 1950.

On Feb. 5, 1931, a Charter of Incorporation was granted to the School by H.M. the King in Council.

The situation of the various Depts. of the School is as follows : Pharmacology, Preventive Medicine, Tuberculosis—Institute of Preventive Medicine, The Parade, Cardiff ; Tuberculosis (postgraduate labs.)—4 Richmond Road, Cardiff ; Medical Unit, Surgical Unit, Inst. of Pathology, Anæsthetics, Obstetrics and Gynæcology—The Royal Infirmary, Cardiff ; Child Health—Llandough Hospital, nr. Penarth, Glam.

Every candidate for admission to first-yr. 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-yr. courses, Physics, Chem., Bot., and Zool. This regulation may be relaxed at the discretion of a Joint Academic Committee in certain cases where only *one* of the four first-yr. courses named above is outstanding.

Note.—An approved Second School Certif. may exempt, subject for subject, from the first-yr. or Intermediate examn. leading to a degree of the University.

LIBRARIES. The General Library, which is situated at the Institute of Preventive Medicine, The Parade, Cardiff, consists of a lending and reference Library, with seating accommodation for 82 readers. Bound Periodicals, 990 ; Texts, 1790 ; Pamphlets, 650. The Library of the Cardiff Medical Society is also housed there. Departmental Libraries are also maintained at the following Depts. : Anæsthetics, Child Health, Medical Unit, Obstetrics and Gynæcology, Pathology, Pharmacology, Preventive Medicine, Surgical Unit, Tuberculosis. Total stock of General and Departmental Libraries : Bound periodicals and Texts, 7720 ; Pamphlets, 1884 ; Unbound periodicals, 5800. Special collection, The Lloyd-Roberts Collection of 17th- and 18th-century Texts.

TEACHING HOSPITALS. United Cardiff Hospitals (Cardiff Royal Infirmary, Llandough Hospital, and the Lord Pontypridd Hospital for Rheumatic Children, Cardiff). Other clinical institutions : St. David's Hospital ; Cardiff City Mental Hospital ; Cardiff City Isolation Hospital ; Prince of Wales' (Orthopædic) Hospital, Cardiff ; Cefn Mably, Glan Ely, and Sully Tuberculosis Hospitals.

DEGREES AND DIPLOMAS. The School provides courses of study for the degrees of M.B., B.Ch., B.Pharm., and for the Tuberculous Dis. Dipl. and the Certif. and Dipl. in Public Health of the University of Wales (*see* thereunder).

While the courses of instruction are designed to meet the Regulations for the degrees in Medicine and Surgery of the Univ. of Wales, they are also recognized as satisfying the Regulations of the Univ. of London and of the Conjoint Board Examinations for the R.C.P. and R.C.S. and of other Examining Bodies.

HIGHER DEGREES (*see* University of Wales, p. 457).

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., and "Lord Merthyr" for res. in Cancer, annually, £200 for 1 yr., are restricted to graduates of the University. "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 (Warden: F. Dodsworth, F.C.I.S.). The Refectory and Residence is combined. There is accommodation for about 45 residents—£110 per annum (including vacation term).

STUDENT HEALTH SERVICE. The Univ. has established a Student Welfare Department which is accommodated in the Institute of Preventive Medicine. The Medical Officers conduct examinations of all students of the University of Wales free of cost and are also available for free consultation and advice.

MEDICAL STUDENTS' CLUB. Medical students of all years, whether in the University College of South Wales and Monmouthshire, Cardiff, or in the Welsh National School of Medicine, become members of the Medical Students' Club and of the Students' Union Society of the University College, Cardiff.

The Student Organizations include numerous social functions and provide facilities for Rugby and Association football, hockey, tennis, cricket, squash, and swimming.

The Medical Students' Club includes a Scientific Society which arranges lectures, demonstrations, and discussions on medical and cognate subjects.

TERMS. Oct. 2–Dec. 14, 1951; Jan. 8–Mar. 21; April 15–June 27, 1952.

PUBLICATIONS. *Prospectus* and *Regulations* (free). Students' Mag. *The Leech*, 1s., twice a yr.

THE YEAR 1949–50

NEW BUILDINGS. Work on new General Library in Inst. of Preventive Med. was completed, and work on Inst. of Pathol. is far advanced. Adaptation and fitting of a Demonstration Theatre, an additional lab., and a workshop

in Dept. of Pharmacol. were completed. The Board of Governors of the United Cardiff Hospitals has placed accomm. at the Cardiff Royal Infirmary (which includes a Res. Lab.) at the disposal of the School for the Dept. of Anæsthetics.

NEW DEPARTMENTS AND POSTS. In April 1950 a Chair and Dept. of Child Health were established on a pt.-time basis. Dr. C. M. Fletcher and Dr. J. C. Gilson were apptd. Hon. Teachers in Pneumoconiosis.

OTHER DEVELOPMENTS. Joint negotiations by representatives of the Univ. of Wales, the Board of Governors of the United Cardiff Hospitals, the Welsh Regional Hospital Board and the School, with the Cardiff Corporation, about the acquisition of land for a new Medical Teaching Centre, are proceeding.

RETIREMENTS. Prof. A. M. Kennedy (Prof. of Medicine and Dir. of the Medical Unit); Mr. D. J. Harries (Pt.-time Teacher in Surg.).

RESIGNATIONS. Dr. K. V. Crowther, Asst. Lectr. (Pathol.), on appt. to the Mid-Glamorgan Hospital, Bridgend; Dr. B. M. McCracken, Jr. Asst. and Lectr. (Med.), on appt. to the Peter Bent Brigham Hospital, Boston, U.S.A.

DEATHS. Alderman J. Dicks (Member of Council); Dr. A. Carveth Johnson formerly Pt.-time Teacher in Tuberculosis).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	56	135
Women	92	60
Total	148	195

Included in the above are 28 postgraduate students and 79 first-year admissions (of which 13 were for the degree of B.Pharm.).

DEGREES AND DIPLOMAS. M.D., 4; M.B., B.Ch., 45; B.Pharm., 8; T.D.D., 12; M.B., B.S. (Lond.), 5; L.R.C.P., M.R.C.S., 4.

UNIVERSITY COLLEGE OF THE SOUTH- WEST OF ENGLAND, EXETER*

Founded 1901

Telephone: Exeter 4141.

PRESIDENT—The Most Hon. THE MARQUESS OF SALISBURY, K.G.
DEPUTY PRESIDENT AND TREASURER—B. G. LAMPARD-VACHELL,
M.A. Camb., LL.B. Lond.
ACTING PRINCIPAL—F. H. NEWMAN, C.B.E., D.Sc. Lond., F.I.P.
REGISTRAR—SIR ALEXANDER CAMPBELL, M.C., M.A. Edin.
ACADEMIC SECRETARY—ALAN G. BARTLETT, M.A. Camb.
LIBRARIAN—L. J. LLOYD, M.A. Camb.
SECRETARY OF THE INSTITUTE OF EDUCATION—A. MILTON, M.A.

TEACHING STAFF

Agriculture

Moore, H. I., M.Sc., Ph.D., Dip.
Agric. Camb. (Principal of
Seale-Hayne Agric. College)
Prof.

Bevan, C. W. L., B.Sc. Wales,
Ph.D. Lond.
Whitehurst, J. S., B.Sc., Ph.D.
Lond.

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.

Classics

Clayton, F. W., M.A. Camb. Prof.
Knight, W. F. J., M.A. Oxon.,
F.R.S.L. Reader.
Lecturers
Mathewson, R., B.A. Oxon.
Shefton, B. B., M.A. Oxon.
Stubbs, H. W., M.A. Oxon.

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.
Lecturers
King, Ruth, M.Sc. Lond.
Long, L. H., B.Sc., Ph.D. Lond.,
Ph.D. Camb., D.I.C.
Schofield, K., B.Sc., Ph.D. Durh.

Economics

Sykes, J., M.A., Ph.D. Leeds,
M.Com. Manc. Prof.
Lecturers
Burton, H., M.A. Oxon.
Cook, Pauline L., B.A. Camb.
Ilersic, A. R., B.Com. Lond.
Little, L. T. F., B.Sc. (Econ.)
Lond.

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

Meyer, F. V., B.Sc. (Econ.), Ph.D.
Lond.

Hill, L. C., C.B.E., LL.D. S.W.
Georgetown, M.A. Liv.,
F.C.I.S. (Pub. Admin.).

Ross, R., M.A. (Admin.) Manc.

Steer, W. S., LL.B., D.P.A. (Pub.
Admin.) Sp. Lectr.

Education and Psychology

Watkins, S. H., M.A. Wales, Ph.D.
Leip. Prof.

Barling, T. J., M.A. Birm. Lectr.

Collins, D. C., M.A., Ph.D. Lond.
Lectr.

Mathias, Stella Y., M.A. Liv.
Lectr.

Topsfield, Sylvia G., M.A. Oxon.,
B.A. 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.

Staniland, A. C., B.A. Lond.
(Visual Educn.) Lectr.

Cumming, A. M. (Gardening)
Asst.

Fairclough, H. D. (Physical Educa-
tion) Instr.

Goodwin, Doreen V. (Physical
Education) Instr.

Craig, R. N., M.D. Dub., B.S.
Durh., D.P.M. Lond. (Child
Guidance) Hon. Lectr.

English

Horrox, W. L., M.A. Camb. Prof.
Lecturers

Cruttwell, M. J. P., B.A. Camb.

Dexter, Kathleen M., B.A. Lond.

Speirs, J. H., B.A. Camb., M.A.
Aberd.

Suddaby, Elizabeth, M.A. Oxon.

Wright, Bertha D., M.A. Edin.,
Ph.D. Lond.

French

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.

Wilson, 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.

Lecturers

Kidson, C., B.A. Lond.
Patterson, Mrs. Ethel J., M.A.
Liv.

Shorter, A. H., M.A. Manc., F.S.A.

Johns, E. M., M.A. Camb.

Ravenhill, W. L. D., B.A. Wales.

Geology

Stuart, A., M.Sc. Durh., F.G.S.
Hd. of Dept.

Dineley, D. L., B.Sc., Ph.D. Birm.
Asst. Lectr.

Papworth, Patricia, B.Sc. Reading
Asst. Lectr.

German

Garland, H. B., M.A., Ph.D.
Camb. Prof.

Lecturers

Swinburne, Hilda, M.A. Oxon.

Garland, Mrs. Hertha M. L., B.A.
Lond.

History

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. Brist.,
B.Litt. Oxon. Lectr.
- Wolfson, Freda, Ph.D. Rand.
Lectr.
- Youngs, Joyce, B.A., Ph.D. Lond.
Lectr.
- Pressnell, L. S., B.Sc. (Econ.)
Lond. Asst. Lectr.
- Fox, Lady Aileen, M.A. Camb.
(British Archæology) Sp. Lectr.
- Coate, Mary, M.A. Oxon. (Local
Hist.) Hon. 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.
- Lecturers
- Hayman, W. K., M.A. Camb.
- Mallison, H. V., M.A. Camb.,
B.Sc. Lond.
- Unthank, H. W., B.A. Camb.,
M.A., B.Sc. Lond., F.R.A.S.
- Williams, J., M.Sc. Wales.
- Button, Lilian G., M.Sc. Lond.
- Halberstam, H., M.Sc. Lond.
- Fletcher, G. C., B.Sc. Lond.
Asst. Lectr.
- 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.
- Lecturers
- Grew, K. E., Ph.D., D.Sc. Birm.,
Ph.D. Camb., F.I.P.
- Lothian, G. F., M.A. Oxon.,
F.Inst.P.
- Portman, N. A., B.Sc. Lond.
- Searle, V. H. L., M.Sc. Lond.
- Benzie, R. J., M.A. Aberd., D.Phil.
Oxon.
- 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.
- 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.

Parkinson, R., B.A. Camb.

Overseas Students

Asst. Lectr.

Salter, K. W., B.A. Brist. Tutor.

Lloyd, Mrs. Vera (Phonetics).

Pt.-time Lectr.

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE REGISTRAR. Accountant: W. J. Kindell, F.C.I.S.

OFFICE OF THE ACADEMIC SECRETARY. Assistant to Academic Secretary: Nancy Moore, M.A. Oxon.

LIBRARY. Sub-Librarian: A. A. Brockett, B.A. Lond. Chief Asst.: Joyce Packer, B.A. Lond.

WARDENS OF HALLS OF RESIDENCE. Reed Hall (men), R. Parkinson, B.A. Camb.; Mardon Hall (men), Prof. S. H. Watkins, M.A. Wales, Ph.D. Leipzig; Exeter Hall (men), W. L. D. Ravenhill, B.A. Wales; Crossmead Hall (men), J. S. Hall, M.A., LL.B. Camb.; Hope Hall (women), Ruth King, M.Sc. Lond.; Lopes Hall (women), Isobel G. T. Ross, M.A. Aberd.; Thomas Hall (women), Margery Pairpoint, B.Sc. Lond.; Birks Grange (women), Elizabeth Suddaby, M.A. Oxon.; Barton Place (Women), Miss P. M. Callard, B.Com.

TUTOR TO BRADNINCH HALL (NON-RESIDENT) STUDENTS. D. Jacobs, B.A. Camb.

NORMAN LOCKYER OBSERVATORY. Director: D. L. Edwards, D.I.C., F.R.A.S.

INSTITUTE OF EDUCATION. Secretary: A. Milton, M.A.

MEDICAL OFFICER. R. Fortescue Foulkes, M.B., B.S.

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.

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.

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. Arts (Inter. and Final, excl. Geog. Hons.), £34 : 10s. ; Geog. Hons., £39 : 5s. ; Science (Inter. and Final), £39 : 5s. ; Economics (Prelim. and Final), £36 : 10s. ; Music (First Examn.), £27 : 6s., (Final), £31 : 10s. ; Law (Inter. and Final), £30 ; Education Certif., £53 ; Testamur in English for Overseas Students, £45 ; Certificate in Education for Overseas Students, £75 ; Visual Education Certif., £31 : 10s. ; Diplomas in Public Admin. and Soc. Admin. (full-time), £34 : 10s., (pt.-time), £10 : 10s. ; Registration, £2. *Note.*—Fees at reduced rate payable by students from Devon, Cornwall, Dorset, Exeter, and Plymouth.

RESIDENCE. For women—Hope Hall (98 students) ; Lopes Hall (100) ; Thomas Hall (50) ; Birks Grange (20) ; Barton Place (20). Terms : £103 : 10s. to £106 : 10s. For men—Reed Hall (65) ; Exeter Hall (69) ; Mardon Hall (82) ; Crossmead Hall, Dunsford Hill, Exeter (53). Terms : £106 : 10s. to £111 : 10s. All students not living at home must reside in one of the Halls of Residence as far as accommodation permits. For names of Wardens v. *supra*, "Administrative and other Staff."

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, Lopes Graduate Scholp. in Arts, Rotary Scholp. for study abroad ; the Coll. also awards Research Scholps. to graduates.

SUMMER SCHOOL. The Coll. organizes a Summer School in Engl. Studies for Overseas Students annually in the month of Aug.

OBSERVATORY. The Norman Lockyer Observatory, Sidmouth, 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 1950-51

BENEFACTIONS. Grants of £726 from the Agricultural Research Council ; £562 : 10s. from Imperial Chemical Industries Ltd. and £80 from Messrs. English Clays, Lovering, Pochin & Co. Ltd., for res. in the Dept. of Chem. A grant of £350 from the Wellcome Trust for research in Medical Mycol. Gifts of books for the Botany Dept. from Mrs. Wolsey Harris, Mr. F. A. Brokenshire, and Mr. R. R. Blake. A gift of books from Lt.-Col. J. V. Ramsden and a collection of fossils and shells from Miss M. Morris for the Dept. of Geology. £5 from Mr. J. Lewis for Mardon Hall Library.

NEW BUILDINGS. Work continues on the Hatherly Biological Labs. which, it is hoped, will be completed in the near future. Plans for the new Arts and Administrative Building at Streatham Estate have been submitted to the University Grants Committee. "Knightley," Streatham Drive, purchased as a Principal's house, is being used temporarily to provide accommodation for the Departments of Law, Extra-mural Studies, Overseas Students, and the Tutor of Bradninch Hall Students. St. Germans House, St. Germans Road, was purchased to form an annexe to Lopes Hall.

EXTRA-MURAL WORK. 149 courses were held during the session, attended by 3755 students, and in addition there were 27 week-end schools.

RESIGNATIONS. H. H. O. Chalk (Lectr. in Classics); Miss P. M. Depree (Lectr. in Classics); Professor C. E. Gough (Lectr. in German); G. V. M. Heap (Academic Secretary); W. Heydecker (Lectr. in Hortic.); Margaret Lambert (Lectr. in Hist.); R. C. Moon (Extra-mural Dept.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	72	613
Women	24	380
Total	96	993

Included in the above are 100 postgraduate students and 323 first-year admissions.

110 students attended the Summer School for Overseas Students in Aug. 1950.

DEGREES. B.A., 102; M.A., 0; LL.B., 5; B.Sc., 83; M.Sc., 4; Ph.D., 1; B.Sc. (Econ.), 20.

UNIVERSITY COLLEGE OF HULL*

Founded 1928

Telephone : Hull 18960 (6 lines).

PRESIDENT — The Rt. Hon. LORD MIDDLETON, M.C., J.P., Lord
Lieutenant of the East Riding of Yorkshire.

VICE-PRESIDENTS—The Rt. Hon. LORD HOTHAM, D.L. ; H. I. LOTEN,
M.B.E., J.P. ; The Rt. Hon. LORD WILLOUGHBY DE ERESBY,
T.D., B.A., J.P.

PRINCIPAL—J. H. NICHOLSON, B.A. Oxon., M.A. (Ed.) Brist.

DEPUTY-PRINCIPALS—Professor BRYNMOR JONES, B.Sc., Ph.D. Wales,
Ph.D., Sc.D. Camb., F.R.I.C. ; Professor A. G. DICKENS, M.A.
Oxon., F.R.Hist.S.

REGISTRAR—C. MEGGITT.

LIBRARIAN—AGNES CUMING, M.A. N.U.I., B.Sc. Oxon.

TEACHING STAFF

Botany

Good, R. D'O., M.A., Sc.D. Camb.
Prof.

Cromwell, B. T., B.Sc., Ph.D. Liv.
Reader.

Flint, Elizabeth A., M.Sc. N.Z.,
Ph.D. Lond. Lectr.

Davies, D. D., B.Sc. Lond.
Asst. Lectr.

Stenton, H., B.A. Camb.
Asst. Lectr.

Chemistry

Jones, Brynmor, B.Sc., Ph.D.
Wales, Ph.D., Sc.D. Camb.,
F.R.I.C. G. F. Grant Prof.

Lecturers

Orr, W. B., D.Sc. Belf., Ph.D.
Durh.

Baldwin, R. R., M.A. Camb.

Kipling, J. J., M.A., B.Sc., D.Phil.
Oxon.

Gray, G. W., B.Sc. Glas.

Barker, C. C., B.Sc., Ph.D. Brist.

Norris, A. D., M.A., D.Phil. Oxon.,
F.R.I.C.

Clarke, K., M.Sc., Ph.D. Liv.

Shorter, J., B.A., B.Sc., D.Phil.,
Oxon. Asst. Lectr.

Classics

Gillies, M. M., M.A. Camb., Ph.D.
Edin. Prof.

Lecturers

Chilton, C. W., M.A. Camb.

Norman, A. F., M.A. Oxon.

Goold, G. P., B.A. Lond.

Garton, C., B.A. Camb.

Asst. Lectr.

Rudd, W. J. N., B.A. Dub.

Asst. Lectr.

Economics and Commerce

Bowen, I. I., M.A. Oxon. Prof.

Saville, J., B.Sc. (Econ.) Lond.

Lectr.

Klingender, F. D., B.Sc. (Econ.),

Ph.D. Lond. (Sociol.) Lectr.

Rotheray, D., M.A. Camb.

Lectr.

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

Nicholson, R. J., M.A. Camb.

Lectr.

Hiner, O. S., B.A. Camb. Lectr.

Smyth, R. L., B.A. Belf. Lectr.

Kemp, T., B.Sc. (Econ.) Lond.

Asst. Lectr.

Lane, P. A., B.Sc. Wales

Asst. Lectr.

Bellamy, Joyce M., B.Com. Lond.

Res. Asst.

Webb, M. J., B.A. Oxon.

Res. Asst.

Education

Castle, E. B., M.A. Oxon. Prof.

Lecturers

Bull, K. R., M.A. Oxon.

(Phys. Educn.).

Bull, Marion, B.Sc. Lond.

Graham, Janet B. (Phys. Educn.).

Lawson, J., M.A. Manc.

Bradley, J., M.A. Camb., B.Sc.

Lond.

Bunker, G. A. S., B.Sc. (Econ.)

Lond.

Garforth, F. W., M.A. Camb.

Stern, H. H., M.A. Lond.

Miles, H. B., B.Sc. Wales.

Highfield, Mrs. Miriam E., M.A.,

Ph.D. Lond.

Atkins, S. H., M.A., Ph.D. Lond.

Sibley, Gwendoline

Pt.-time Lectr.

Teather, Ida

Pt.-time Lectr.

English Language and Literature

Vines, W. S., M.A. Oxon.

G. F. Grant Prof.

Lecturers

'Espinasse, Margaret, B.A., B.Litt. Oxon.

Trickett, M. Rachel, M.A. Oxon.

Binns, A. L., B.A. Manc.

Hunter, G. K., M.A. Glas., D.Phil.

Oxon.

Woolf, Rosemary, B.Litt., M.A.

Oxon.

Lectr.

French

MacInnes, W. A., M.A. Glas.,

D. ès L. Paris Prof.

Lecturers

O'Sharkey, Eithne M., M.A.,

Ph.D. N.U.I.

Maguire, Patricia I., M.A. Glas.

Ginestier, P., L. ès L., Dipl.

d'Ét. Sup. Paris.

Charlton, D. G., B.A. Camb.

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.

Appleton, J. H., M.A. Oxon., B.Sc.

Durh.

Asst. Lectr.

Geology

Penny, L. F., M.A. Camb. Lectr.

Neale, J. W., B.Sc. Manc.

Asst. Lectr.

Henderson, F. P., B.Sc. Edin.

Asst. Lectr.

German

Baier, C., B.A. Liv., Dr.Phil.

Tübingen

Hd. of Dept.

Waidson, H. M., M.A. Birm.,

Ph.D. Leipzig

Lectr.

Barker, D., B.A. Liv.

Lectr.

Holkers, P. A., fil. mag. Gothen-

burg (Swedish) Asst. Lectr.

Puranen, Miss Rauni A. K., fil.

kand. 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.

Lecturers

Douie, Decima L., M.A. Oxon.,

Ph.D. Manc., F.R.Hist.S.

Foster, F. G., M.A. Dub.

Spencer, F., M.A. Manc.

Davis, R., B.Sc. (Econ.) Lond.

Coleclough, J. E., M.A., LL.B.
Camb. Pt.-time Lectr.

Law

Taylor, F. W., LL.B. Wales, B.A.
Camb. Hd. of Dept.

Bevan, H. K., LL.B. Wales Lectr.

Hughes, G. B. J., B.A. Camb.,
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.

Lecturers

Hale, V. W. D., M.A. Camb.

Neumann, Hanna, D.Phil. Oxon.

Parsons, H. W., M.A. Camb.

Shepperd, J. A. H., M.Sc. Lond.

Fisher, C. F., M.A. Oxon.

Sewell, G. L., B.A. Oxon., Ph.D.
Lond. Asst. Lectr.

Music

Marchant, R. B., M.A., Mus.B.
Camb. Lectr.

Joubert, J., B.Mus. Durh.
Asst. Lectr.

Philosophy

Jessop, T. E., M.A. Leeds,
B.Litt. Oxon. Ferens Prof.

White, A. R., B.A. Dub. Lectr.

Physics

Palmer, L. S., D.Sc., Ph.D. Brist.,
F.Inst.P. Prof.

Lecturers

Jones, J. I., B.Sc., Ph.D. Wales,
F.Inst.P.

Cunliffe, A., B.Sc., Ph.D. Lond.

Hough, J. M., M.A. Camb.

Reed, C. E., B.Sc. Durh.

Goodyear, J., B.Sc., Ph.D. Leeds.

Muir, J., B.Sc. Edin. Asst. Lectr.

Duffin, W. J., M.A. Camb.
Asst. Lectr.

Psychology

Westby, G., M.A. Oxon. Lectr.

Symons, J. R., B.A. Reading
Lectr.

Symons, Mrs. Ruth, B.A. Tor.
Pt.-time Asst. Lectr.

Social Studies

Drinkwater, R. W., M.A. Camb.
Hd. of Dept.

Clegg, H. L., B.Sc. (Econ.) Lond.
Lectr.

Collins, Mrs. Frances D. O., Dipl.
Psychiatric Social Work
Edin.

Tutor in Prac. Soc. Work.
Rose, A. G., B.Sc. (Econ.) Lond.
Res. Asst.

Theology

Lecturers

Tinsley, Rev. E. J., M.A., B.D.
Durh.

Thompson, Rev. P. J., M.A. Oxon.

Zoology

'Espinasse, P. G., M.A. Oxon.
Prof.

Lecturers

Trueman, E. R., B.Sc. Glas.

Grainger, J. N. R., B.A., M.Sc.
Dub.

Short, J. R. T., B.Sc. W.Aust.,
D.Phil. Oxon.

Nowell, N. W., B.Sc. Liv.
Asst. Lectr.

Ferens Lecturer

(Fine Art)

1950-51—Westrup, J. A., B.Mus.,
M.A., Hon. D.Mus. Oxon.,
Heather Professor of Music in
the University of Oxford.

St. John's College (Cambridge)

Lecturer

1950-51—Guillebaud, C. W., M.A.
Camb.

Adult Education

Mayfield, G. E. T., B.A. Lond. Prof.

Adult Education in H.M. Forces
(Ctee. for)

Sec.: Mayfield, G. E. T., B.A.
Lond. Prof.

Asst. Sec.: James, M. Stephanie C.,
B.A. Camb.

Staff Lecturers

Burrows, W. R., M.A. Oxon.

Butterfield, Mrs. Madge, M.A.
Camb.

Baigent, C. W., B.A. Leeds.

Staff Tutors

Art, History of

Smart, P. A. M., M.A. Glas., Dipl.
in Art Edin.

Economics

Barmby, J. E., B.Com. Birm.

Evans, R., B.Sc. (Econ.) Lond.

Roberts, T. J., B.A. Wales.

Hughes, J. D., B.A. Oxon. (in conjunction with Univ. of Sheffield, Dept. of Extra-mural Studies).

History

Gillett, E., B.A. Lond.

Marsden, A., B.A. Wales.

Reynolds, Mrs. Catherine E. M.,
B.A. Oxon.

History, Local

MacMahon, K. A., M.A. Lond.

Literature and Drama

Crane, Muriel E., M.A. Edin.

Hoggart, H. R., M.A. Leeds.

Marckwald, W. M.

Styan, J. L., M.A. Camb.

Philosophy and Psychology

Rickman, H. P., M.A. Lond.,
D.Phil. Oxon.

Swedish

Holkers, P. A., fil. mag. Gothenburg (in conjunction with Dept. of German).

Institute of Education

Castle, E. B., M.A. Oxon.

Director and Prof.

James, I. T., M.A. Camb., B.Sc.
Lond. Secretary.

Hobkinson, J. D., M.A. Sheff.

Sr. Tutor.

Freeman, C. B., B.A. Oxon., F.L.A.
Librarian.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: D. Campbell, B.A. Camb. (Property and Works); R. B. Shepherd, B.Sc. Lond. (Academic); D. K. R. Hodgkin, B.Sc. (Econ.) Lond. (Administration); Accountant: B. Armitage; Asst. to the Accountant: J. B. Wood; Deputy Librarian: A. C. Wood, M.A. Glas.; Sr. Asst. Librarian:; Medical Officer: R. Raines, M.B., Ch.B. Leeds; Catering Officer: W. R. Newlove; Deputy Refectory Supervisor: Sheila Waddington.

WARDENS OF THE HALLS OF RESIDENCE. Camp Hall, A. J. Treherne, B.A. Liv. Needler Hall, Margaret Beaton, B.A. Camb. Thwaite Hall, Jane 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; Certificate in Local History 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. Dean of Arts: Prof. A. G. Dickens; Dean of Science: Prof. Brynmor Jones. Boards of Studies for Public Administration, Adult Education, Law.

SCHOLARSHIPS awarded annually—4 Open Scholps. of £80; 12 Open Scholps. of £40; Ferens Birthday Scholps. of £50; Frank Finn Scholp. of £40; 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 £40; Scholp. in Social Studies of £40; Research Studentships, £250 p.a., 2 in Faculty of Arts, 8 in Faculty of Science.

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, Harland Way, Cottingham, E. Yorks. (375). For women—Holtby Hall, Thwaite Street, Cottingham (20); Needler Hall, Hallgate, Cottingham (68); Thwaite Hall, Thwaite Street, Cottingham (175).

APPOINTMENTS BOARD. Sec.: D. K. R. Hodgkin, B.Sc. (Econ.) Lond.

UNIVERSITY AIR SQUADRON. The University Air Squadron, a regular unit of the Royal Air Force, commanded by Squadron Leader H. G. Davies, is affiliated to the University College; membership is open to students who expect to be resident at College for a minimum of 2 yrs., and affords an opportunity for pilot and officer training at the Squadron's airfield at Brough.

FERENS SOCIETY (Old Students' Association). President: The Principal; Chairman: Mrs. Mildred Phillipson, B.A. Lond.; Secretary: Mrs. Dorothy I. Mullin, B.A. Lond.; 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 1949-50

In Feb. the Vice-Chancellor of the University of London accompanied by the Principal of the University and the Chairman of the External Council visited the College for the presentation of graduates of the previous session. At the end of April the University Grants Committee made its quinquennial visitation. During the year the transfer to the Scottish Marine Biological Association of the Oceanographical Research, conducted at the College since 1931, was completed.

BENEFACTIONS. The Distillers Co. has made a grant of £300 a yr. for 3 yrs. for res.; I.C.I. Ltd. has made a further grant of £250 together with the loan of apparatus valued at £400. An anon. trust has granted £1000 a yr. for 3 yrs. to establish a Family Case-work Service in the City of Kingston upon Hull in co-operation with the Dept. of Social Studies. A folio Bible was presented, through a special fund at the disposal of the Bishop of Hull. J. Cleminson presented a lectern and H. I. Loten a table and table runners for use in the College Sanctuary.

NEW BUILDINGS. The new Students' Union bldg. reached its final stages by the end of the yr. An animal house for Dept. of Zool. begun. Progress also made with the new boiler house and central heating installation designed to serve the whole of the College site when fully developed. Work also started on the layout of sports grounds. Planning of new Chem. bldg. and new Hall of Residence for men well advanced.

EXTRA-MURAL WORK. A total membership of 4346 attended 176 courses (held in 50 different centres) arranged by the Dept. of Adult Educn. In addition to 13 residential week-end schools arranged at Filey, Grimsby, and Scarborough over 100 public and other single and pioneer lectures were given in the area during the yr. Through the Regional Committee for Educn. in H.M. Forces, 66 classes and other courses have been provided for Service personnel.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. N. K. Adam, Southampton, "Surface Films"; Prof. G. E. Briggs, Cambridge, "Recent Advances in our Knowledge of Photosynthesis"; Dr. H. Bock, Kiel; Prof. W. H. Bruford, Edinburgh, "Goethe and the Idea of Culture"; Dr. H. W. Thompson, "Some recent Applications of Infra-red Spectroscopy"; Prof. A. R. Todd, Cambridge, "The Mechanism of Drug Action"; Prof. E. E. Driver, London, "Modern Trends in Stereo-chemistry"; Prof. S. W. Wooldridge, London, "The Relation of Geomorphology to Geography."

RESIGNATIONS. Dr. N. H. Brittan (Bot.), on appt. as Sr. Lectr. in Bot. in Univ. of W. Australia; O. A. W. Dilke (Classics), on appt. as Lectr. in Humanity in Univ. of Glasgow; Dr. F. J. G. Ebling (Zool.), on appt. as Lectr. in Zool. in Univ. of Sheffield; T. K. Gribbin (Econ.), on obtaining a res. appt. with the E. Midlands Gas Board, Leicester; Dr. C. A. Mayer (French), on his appt. to a Lectureship in French in Univ. Coll., Southampton; F. Mayer (German); C. A. Merselius (Swedish), on obtaining a Res. Scholarship to University of Lund.; Miss M. B. O'Farrell (Social Studies); Miss M. L. Sims (Adult Educn.), on appt. as Educn. Sec., Denham College, Marcham; S. Smith-Gavine (Econ.), on taking a res. appt. with Messrs. Phillips & Sons,

Ltd.; J. Webster (Bot.), on appt. as Lectr. in Bot. in Univ. of Sheffield; J. E. Hall Williams, on appt. to Lectureship in Law in the London School of Economics.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	52	577
Women	16	300
Total	68	877

Included in the above are 21 postgraduate students and 304 first-year admissions.

DEGREES. B.D., 1; B.A., 69; LL.B., 7; M.Sc., 3; B.Sc., 48; B.Sc. (Econ.), 6; B.Com., 3; Ph.D., 1.

UNIVERSITY COLLEGE OF LEICESTER *

Founded 1918; Royal Charter 1950

Telegrams : University Leicester.

Telephone : Leicester 65211 (3 lines).

VISITOR—Professor GILBERT MURRAY, O.M., M.A., D.Litt., D.C.L. Oxon.,
Litt.D. Camb., LL.D. Glas., D.Litt. Birm., F.B.A., F.R.S.L.

CHAIRMAN OF COUNCIL—H. PERCY GEE, O.B.E., J.P.

PRINCIPAL—CHARLES H. WILSON, M.A. Glas. and Oxon.

REGISTRAR—H. B. MARTIN, B.Com. Lond., F.C.I.S.

ACCOUNTANT—E. C. GOLDSPIK.

LIBRARIAN—RHODA BENNETT, M.A. Lond., F.L.A.

TEACHING STAFF

Botany

Tutin, T. G., M.A. Camb., F.L.S.
Prof.
Conolly, Ann P., M.A. Camb.
Lectr.
Wangermann, Elisabeth, M.Sc.,
Ph.D. Manc. Asst. Lectr.
Tutin, Mrs. Winifred, B.Sc., Ph.D.
Reading Pt.-time Lectr.
Lacey, H. J., B.Sc. Nott.
Nuffield Res. Asst.

Chemistry

Hunter, L., D.Sc., Ph.D. Lond.,
F.R.I.C. Prof.
Lecturers
Peeling, E. R. A., B.Sc., Ph.D.
Lond.
Harvey, S. H., B.Sc., Ph.D. Lond.
Shaw, Florence R., B.Sc., Ph.D.
Leeds, F.R.I.C.
Eaborn, C., B.Sc., Ph.D. Wales.
Prestt, Mrs. Brenda M., B.Sc.,
Ph.D. Lond.
Macleod, N., B.Sc. Lond.
Asst. Lectr.

Economics and Commerce

Pool, A. G., B.Sc. (Econ.), Ph.D.
Lond. Prof.
Lecturers
Hookham, M., B.Sc. (Econ.) Lond.
Conway, Freda C., B.Sc. Lond.,
M.A. (Com.) Manc.
Neustadt, I., Dr. Sc. Econ. Liège,
Ph.D. Lond.
Rees, J. C., M.A. Camb., B.Sc.
(Econ.) Lond.
Groves, P. S., B.Sc. (Econ.) Lond.,
Ph.D. Camb. Asst. Lectr.
Taylor, J., B.Sc. (Econ.) Lond.
Asst. Lectr.
Mason, Rev. L., B.A., B.D. Manc.
Pt.-time Lectr.

Education

Tibble, J. W., M.A., M.Ed. Leeds
Prof.
Lecturers
Roberts, I. E., B.Sc. Wales.
Pedley, R., M.A., Ph.D. Durh.
Swainson, Beatrice M., M.A. Lond.,
D.Phil. Oxon.

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

Wight, R. M., B.L. Aberd.
 Lowe, Mildred, B.Sc. Lond., B.Sc.
 Birm.
 Bantock, G. H., M.A. Camb.
 Flemming, W., M.Sc., M.A. Liv.
 Simon, B., M.A. Camb.

Part-time Lecturers

Biggs, Mrs. Beryl R., B.A. Lond.
 Bishop, R. L.
 Jones, Very Rev. H. A., B.Sc.
 Lond.

Part-time Assistants

Eaborn, Mrs. Joyce, B.A. Wales.
 Bishop, Mrs. Patricia.

English

Humphreys, A. R., M.A. Camb.,
 A.M. Harv. Prof.
 Collins, A. S., M.A., Ph.D. Lond.
 Sr. Lectr.

Lecturers

Horne, C. J., M.A. Melb., M.A.,
 B.Litt. Oxon.
 Jones, M. Monica B., M.A. Oxon.
 Luttrell, C. A., B.A. Lond.

French

Sykes, L. C., M.A. Sheff., D.Phil.
 Oxon. Prof.

Lecturers

Rasmussen, B. H., B.A. Lond.
 Favre, A. C., L. ès L. Toulouse.
 Hemmings, F. W. J., M.A., D.Phil.
 Oxon.
 Hampton, J., B.A. Sheff., L. ès L.
 Paris Asst. Lectr.
 Cathala, Marie-Lucienne, L. ès L.
 Lectrice.

Genetics

Fincham, J. R. S., M.A., Ph.D.
 Camb. Lectr.

Geography

Bryan, P. W., B.Sc. (Econ.), Ph.D.
 Lond. Hd. of Dept.

Lecturers

Jennings, J. N., M.A. Camb.
 Millward, R., M.A. Camb.
 Fisher, C. A., M.A. Camb.

Geology

Whitaker, J. H. McD., B.A.
 Camb., B.Sc. Lond. 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.
 Nockels, A., M.A. Oxon.
 Pt.-time Lectr.
 Nieschmidt, H.-W., Ph.D. Mainz
 Lektor.

History

Simmons, J., M.A. Oxon.,
 F.R.S.L. Prof.
 Evans, Mrs. Anne K. B., B.A.,
 Ph.D. Lond., F.R.Hist.S.
 Lectr.
 Evans, R. H., M.A. Oxon. Lectr.
 Scarfe, N., M.A. Oxon.
 Asst. Lectr.

History, Economic

..... Lectr.
 Wright, H. R. C., M.A., Ph.D.
 Camb. Asst. Lectr.

History, English Local

..... Reader and Lectr. in
 charge.
 Thirsk, Mrs. Irene J., B.A., Ph.D.
 Lond. Sr. Res. Fellow.

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.

Lecturers

Primrose, E. J., M.A. Oxon.

Buckley, R., B.Sc. Lond.

Dienes, Z. P., B.A., Ph.D. Lond.

Assistant Lecturers

Fröhlich, A., B.Sc., Ph.D. Brist.

Gandy, R. O., M.A. Camb.

Hughes, N. J. S., M.A. Camb.

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. Lectr.

Matsukawa, E., B.Sc., Ph.D. Lond.

Asst. Lectr.

Sinclair, Charmian, B.Sc., Ph.D.
Lond. Asst. Lectr.

..... Asst. Lectr.

Chapman, K. R., B.Sc. Lond.

Res. Demr.

Stocking, J., B.Sc. Wales

Res. Demr.

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.

Matthews, Mrs. F. Gillian C.,
M.Sc. Lond. Lectr.

Webb, Marjorie G., B.A. Camb.

Asst. Lectr.

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.

Semple, S., M.A. Lond.

Staff Tutor.

Corry, Gladys N., B.A., B.Ed.
Belf. Res. Asst.

Higson, Constance W. J., M.A.,
Ph.D. Camb., F.L.A.

Librarian.

Extra-mural Adult Education

Allaway, A. J., M.A. Sheff. Prof.

Collins, P. A. W., M.A. Camb.

Staff Tutor.

Barnes, R., M.A. Camb.

Staff Tutor.

..... Staff Tutor.

ADMINISTRATIVE AND OTHER STAFF

Assistant Registrar, J. D. Irwin, B.A. Camb. ; Asst. Accountant, F. C. Pope ; Admin. Assts., Dept. of Adult Educn., J. D. Gould, B.A. Lond., G. F. A. Wilmot, B.A. Liv. ; Admin. Asst., Institute of Education, F. M. Algate, B.Sc. (Econ.) Lond. ; Sub-Librarian, J. A. Barker, M.A. Edin. ; Sr. Asst. Librarian, M. Ivory R. Buchan, M.A. Edin., F.L.A. ; Asst. Librarian, Maureen Bateman, M.A. Camb. ; Physical Education and Welfare Officer, R. M. Wight, B.L. Aberd. ; Medical Officer, Dr. W. Eric Howell ; Wardens, Men's Hall, R. L. Bishop ; Women's Hall, Dorothy M. Forster, M.A. Oxon. ; Caterer, Rosemary Kerr ; 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 1945 it was recognized by the University Grants Committee and placed on the list of University Institutions receiving grants from the Exchequer. In 1950 the College received a Royal Charter of Incorporation as a University College.

FACULTIES. Arts (Dean, Dr. P. W. Bryan); Science (Dean, Prof. L. Hunter); and Economics and Social Studies (Dean, Prof. A. G. Pool).

LIBRARY. The Library contains some 65,000 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. A large extension to the Library is under construction.

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 Research Board makes grants in aid of specific pieces of research and towards cost of publication. Special facilities are available for research in English Local History.

ADULT EDUCATION. The Extra-mural Dept. at Vaughan College (Great Central Street, Leicester; *Telephone*: 59237) provides a wide range of courses in non-vocational subjects and full student amenities.

SOCIAL STUDIES. The Social Studies Centre at No. 1 Salisbury Road, Leicester (*Telephone*: 60420), provides accommodation for students taking the two-year Diploma Course.

INSTITUTE OF EDUCATION. The Institute occupies separate premises at No. 328 London Road, Leicester (*Telephone*: 78133), where it provides lecture rooms, reading rooms, library (7000 volumes), and an information service for teachers.

ADMISSION. The normal age for entry to full-time courses is 18. For first degree courses all students must be qualified to proceed to an external degree of the University of London; and in Science and Economics they must also be exempt from or have passed the Intermediate or Preliminary Examn.

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. Open Scholps., value £40-£50 a yr., are awarded annually on a Scholps. Examn. held in Feb. or March. The Scholps. are recognized by the Ministry of 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 Wardens, *see* "Administrative and other Staff," *supra.*) For Women—College Hall (140 students). Fee, £85 a session. For Men—Beaumont House, Digby House, Hastings House, Shirley House, Villiers House (200 students). Fee, £90 a session.

APPOINTMENTS. An Appointments Service, under the direction of the Assistant Registrar, is provided for present and former students of the College.

STUDENTS' UNION. All full-time students are automatically full members of the Students' Union, which controls the 45 clubs and societies which organize its social, cultural, and athletic activities.

ATHLETIC FACILITIES. Two athletic grounds and pavilions are available : one at Wigston Fields, with pitches for cricket, hockey and rugby, and hard tennis courts ; the other at Oadby Fields, with a first-class cinder running track, hard tennis courts, and pitches for cricket, soccer, and hockey. There are also Rowing, Fencing, and Badminton Clubs.

OLD STUDENTS' ASSOCIATION. There is an active Old Students' Association which holds reunions at the College at Easter and in September each year, and keeps members in touch with each other and with College activities and developments by means of regular "News Letters."

PUBLICATIONS. *Calendar* (annually), *Prospectus* (annually), *Report and Accounts* (annually), *Charter and Statutes*, *Inaugural Lectures* (1s. each), *Scholarships Pamphlet* (annually), Students' Union Magazine *The Luciad* (terminally).

THE YEAR 1949-50

Since its foundation in 1918 the College has been a limited liability company under the Companies Acts. The rapid post-war development of the College has shown the necessity for modifications of this organization, and in Oct. the Court of Governors submitted a petition to H.M. the King in Council for a Royal Charter of Incorporation as a University College, which would permit the reorganization of the College as a modern University institution. In 1945-46 there were 108 full-time students ; in 1949-50 there were over 700.

Members of the University Grants Committee paid their quinquennial visit to the College on May 9 and 10.

NEW BUILDINGS, ETC. Steady progress made on the various bldg. projects. The S-Wing Extension forming a fourth side to the Main Bldg. completed ; it provides a large examination hall (also available for social activities), a new Sr. Common Room and ancillary rooms, and offices, staff rooms, and lecture room for the Dept. of Educn. The shell of the new Biological Sciences Bldg. was completed, and it is expected that both the Bot. and Zool. Depts. will be moved into this bldg. early next session. The accomm. thus vacated will provide additional labs. and staff rooms for the Depts. of Physics and Chem. A single-storey extension to the Physics Dept., containing an advanced lab. and large workshop, was completed in Feb., and a similar extension for Chem. was begun in July. Good progress was made with the extensions to the Men's Hall of Residence : the new Dining Hall is well advanced and should be available early in 1951, and the residential houses should be completed for Oct. 1951. The adaptation and redecoration of the premises for the Inst. of Education were finished in May. The development of the first part (14 acres) of the new athletic ground at Oadby Fields was

completed, including an excellent cinder running rack with every modern development, and additional pitches for cricket, football, and hockey. At the same time Fields House was converted into a sports pavilion, with the addition of changing and sanitary accomm. for men and women. Protracted negotiations with the Leicester City Council were satisfactorily completed for the purchase of a site of 9 acres adjoining the Main Bldgs., and of a nearby site of 4 acres, for the future development of the Coll. Further preparatory work carried out on the schemes for an extension to the Library, a new bldg. for the Students' Union and Refectory, and a new bldg. for Dept. of Chem.

NEW POST. Chair in Zoology.

RESIGNATIONS. P. A. Larkin, on appt. as Sub-Librarian, the Queen's University, Belfast; Dr. P. Dienes; Mrs. R. S. Browning.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. W. T. Astbury, Leeds, "The Chemistry and Physics of Textile Fibres"; H. L. Beales, London, "The Mid-Victorian Middle Class"; H. S. Bennett, Cambridge, "Shakespeare's Theatre and Audience"; Prof. M. Polanyi, Manchester, "The Authority of the Free Society"; Rev. Prof. F. H. Smith, Manchester, "The Understanding of the Oriental Mind."

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	8	442
Women	6	264
Total	14	706

Included in the above are 45 postgraduate students and 265 first-year admissions. In addition, 989 students attended courses provided by the Department of Adult Education at Vaughan College.

DEGREES. B.A., 61; M.A., 1; B.Sc., 35; Ph.D., 2; B.Sc. (Econ.), 14.

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE *

Founded 1949

Postal Address: Keele, Staffordshire.

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.; Councillor A. G. APPLEBY.

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Glas. and St. And.

HONORARY TREASURER—A. P. WALKER.

HON. 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. Minn. Prof.

Evans, R. G., M.Sc., Ph.D. Wales
Lectr.

Chemistry

Springall, H. D., M.A., B.Sc.,
D.Phil. Oxon. Prof.

Plesch, P. H., M.A. Camb., Ph.D.
Manc. Lectr.

Classics

Charlton, J. M. T., M.A. Manc.
Reader.

Economics

Williams, B. R., B.A. Melb., M.A.
Adel. Prof.

Cant, R. B., B.Sc.
Pt.-time Tutor.

Education

Stewart, W. A. C., M.A., Ph.D.
Lond. Prof.

English Language and Literature

Lawlor, J. J., M.A. Oxon. Prof.
Roberts, T. P., M.A.

Pt.-time Tutor.

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.
Rolo, P. J. V., M.A. Oxon.

Pt.-time Lectr.

Mathematics

Sneddon, I. N., M.A., D.Sc. Glas.
and Camb. Prof.

Modern Languages

Chambers, W. W., M.B.E., M.A.
Glas., Ph.D. Munich, L. ès L.

Paris and Lille Prof.
North, R. J., M.A. Lond. Lectr.

* Associate member of the Association of Universities of the British Commonwealth.

<i>Moral and Political Philosophy</i>		<i>Political Institutions</i>	
Teale, A. E., B.A. Leeds, B.Litt. Oxon.	Prof.	Finer, S. E., M.A. Oxon.	Prof.
		Glover, Mary R., M.A. Oxon.	Lectr.
<i>Philosophy</i>		<i>Religious Knowledge</i>	
Gallie, W. B., M.A., B.Litt. Oxon.	Prof.	Henderson, R. B., M.A. Oxon., B.D.	Lectr.
<i>Physics</i>		<i>Social Studies</i>	
Vick, F. A., O.B.E., M.Sc., Ph.D. Birm., F.I.P.	Prof.	Glover, Mary R., M.A. Oxon.	Dir. of Pract. Trg.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Estate and Buildings): E. J. Hughes, D.P.A.; Asst. Registrar (Finance): T. Ball; Asst. Librarian: Joan E. Friedman, B.A. Camb.; Principal's Sec.: Mrs. Joan M. Morton, M.B.E.; Warden of Women's Hall: Mary H. Wilson, M.A. Glas., B.Sc. Lond.; Warden of Men's Hall: R. N. Rayne, B.A. Oxon.

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 must select not less than five subjects, which must include at least one from each of the three groups: the Humanities, the Social Studies, and the Sciences; 2 of these 5 subjects must be studied at principal level throughout the whole of the 3 yrs. Subjects taken at subsidiary level are studied for either 1 or 2 yrs. The B.A. degree will be awarded with Honours where sufficient merit is shown. During these last 3 yrs., an educational diploma course may be taken concurrently with the B.A. studies. This diploma is recognized by the Ministry of Education. A Social Studies diploma may also be taken along with the normal B.A. studies.

ADMISSION. Ordinarily, candidates must be over 17, possess the normal Univ. entrance qualifications required by other U.K. Univs. and produce a satisfactory testimonial from their headmaster. Provision is made for the admission of adult students. 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 (for Wardens, see "Administrative and other Staff," *supra*). The College is almost entirely residential and only under exceptional circumstances is permission given for residence outside. There are at present 2 Halls of Residence, the Lindsay Hall for women students and the Horwood Hall for men students. Residential fees are £115 per session of 30 weeks. Arrangements will be made for the admission of 150 first-yr. students each yr., of whom approx. two-thirds will be men.

UNIVERSITY COLLEGE, SOUTHAMPTON*

Incorporated 1902

Telephone : Southampton 54071 (4 lines).

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.

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VICE-PRINCIPAL—Professor G. F. FORSEY, M.A. Lond.

TREASURER—A. R. AVENS, F.C.A.

SECRETARY—B. A. CHALMERS, M.A., LL.B. Edin.

ACADEMIC REGISTRAR—MARGARET W. PRICE WHITE, B.A. Wales.

FINANCE OFFICER—F. H. SAWYER.

LIBRARIAN—MARJORY I. HENDERSON, M.A. Edin.

TEACHING STAFF

Botany

Williams, W. T., B.Sc., Ph.D.
Lond. Prof.

Lecturers

Loader, Freda M., B.Sc. Lond.
Lane, G. R., B.Sc., Ph.D. Lond.
Manners, J. G., M.A., Ph.D. Camb.
Wood, Winifred M. L., B.Sc., Ph.D.
Lond. Asst. Lectr.

Chemistry

Adam, N. K., M.A., Sc.D. Camb.,
F.R.S., F.R.I.C. Prof.
Chapman, N. B., M.A., Ph.D.
Camb. Sr. Lectr.

Lecturers

Campbell, Ishbel G. M., B.Sc.,
Ph.D. St. And.
Webb, K. R., B.Sc., Ph.D. Lond.
Balson, E. W., B.Sc. Lond.

Cartmell, E., B.Sc. Lond.
Burkin, A. R., M.Sc., Ph.D. Lond.,
F.R.I.C.

Parker, R. E., B.Sc. Lond.
Riddiford, A. C., B.Sc., Ph.D.
Birm.

Cavell, E. A., B.Sc. Lond.
Asst. Lectr.

Classics

Forsey, G. F., M.A. Lond. Prof.

Lecturers

Whitaker, C. W., M.A. Oxon.
Douglas, A. E., M.A. Oxon.
Macleod, M. D., M.A. Camb.

Economics

Ford, P., B.Sc. (Econ.), Ph.D.
Lond. Prof.

Armstrong, W. E., M.A. Camb.
Sr. Lectr.

* Associate member of the Association of Universities of the British Commonwealth.

Lecturers

Hodgson, R. A., B.Com., D.P.A.
Lond.
Richards, P. G., B.Sc. (Econ.)
Lond.
Thomas, C. J., B.Sc. Wales, M.Sc.
(Econ.) Lond.
Benn, S. I., B.Sc. (Econ.) Lond.
Maunder, W. F., B.Sc. (Econ.)
Lond. Asst. Lectr.
Lectrs. (Social Studies)
Young, Agnes F., M.A. Liv.
Ashton, E. T., M.A. Oxon., D.P.A.
Lond.

Education

Wagner, F. W., M.A. Oxon.,
B.Sc. Adel. Prof.
Lecturers

Hales, Rhona B., M.A. Oxon.,
B.D. Lond.

Pearcy, I. H., B.Sc. Lond.

Hancox, Marguerita K., M.A.
Birm.

Rushby, J. G., B.Sc. Lond.

Asst. Lectrs. (pt.-time)

Ricks, Elsie M. (Phys. Training
and Hyg., Women).

Davies, V. S. (Phys. Training and
Hyg., Men).

*Electronics, Telecommunications,
and Radio Engineering*

Zepler, E. E., D.Phil. Würzburg
Prof.

Punnett, S. W., B.Sc. Lond. Lectr.

Tomlinson, T. B., B.Sc. Lond.

Lectr.

7 Technical Lectrs.

Engineering

Black, A. N., M.A. Camb.
Hd. of Dept. and Prof.
of Mech. Eng.

Richards, E. J., M.A. Camb., B.Sc.
Wales (Aeronautical) Prof.

Spary, P. G., B.Sc. Lond., M.Eng.
Sheff. (Elect.) Sr. Lectr.

McPherson, D. H., B.Sc. Edin.
(Civil) Sr. Lectr.

Lecturers

Tanner, T.
Helmer, C. H., B.Sc. (Eng.) Lond.

Cook, A. F., M.A. Camb.

Sara, H. J., B.Sc. Lond.

Chester, C. E., B.Eng. Sheff.

Alford, B. C., B.Sc. Lond.

Steven, R. E., B.Sc. Belf.

Gregson, T. W., M.A. Camb.

Ray, P. N., M.A. Oxon.

Yorke, R., B.Sc. Lond., B.Eng.
Sheff.

Waters, B. H. C., B.A., Ph.D.
Camb.

Grassam, N. S., B.Sc., Ph.D. Lond.

Morton, W., B.Sc. (Eng.) Lond.

Demr.

Jolley, E. S. Tech. Lectr.
..... Tech. Lectr.

Leech, H. J., A.M., A.F.M.

Experimental Engineer.

Ritchie, J. D.

Asst. Experimental

Engineer.

Engineering, Marine

Sword, J. H.

Tech. Lectr. in Charge.

Thomason, J. C. Tech. Lectr.

Lochhead, D. J. Tech. Lectr.

English Lang. and Lit.

Wright, B. A., M.A. Oxon. Prof.

Brooks, K. R., M.A., D.Phil.
Oxon. Sr. Lectr.

Lecturers

Prince, F. T., M.A. Oxon.

Sharrock, R. I., M.A., B.Litt.
Oxon.

Swannell, J. N., B.A. Lond.

Newman, F. A. B., M.A. Oxon.

Pt.-time Lectr.

Geography

Miller, Florence C., B.A. Leeds

Hd. of Dept. and Sr.

Lectr.

Lecturers

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Robinson, G. W. S., M.A. Lond.
 Gifford, Mrs. Cynthia J., B.Sc.
 Lond.

Geology

Wisden, Dorothy E., M.Sc., F.G.S.
 Lectr.
 Tremlett, W. E., B.Sc. Lond.
 Asst. Lectr.

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.
 Furstenheim, E. G., M.A.
 Lektor.

History

Rothwell, H., B.A. Manc., Ph.D.
 Camb. Prof.
 Lecturers

Patterson, A. T., M.A. Durh.
 Merson, A. L., B.A. Oxon.
 Hanna, A. J., B.A. Belf., Ph.D.
 Lond.
 Pugh, T. B., B.A., B.Litt. Oxon.
 Pelham, R. A., M.A. Wales, Ph.D.
 Birm. (Historical Geog.).
 Mather, F. C., M.A. Manc.
 Asst. Lectr.
 Crawford, O. G. S., F.S.A., F.B.A.
 (Field Archæol.) Hon. Lectr.

Legal Studies

Grant-Bailey, S. N., M.A., LL.M.
 Camb., M.A. Oxon. Dir.
 Stanier, J. G., LL.B. Lond.
 Pt.-time Lectr.
 Edwards, C. W., B.A. Oxon.
 Pt.-time Lectr.

Mathematics, Pure and Applied

Davies, E. T., D.Sc., Ph.D. Lond.,
 D.Math. Rome (Pure) Prof.

Jahn, H. A., M.Sc. Lond., Ph.D.
 Leipzig (App.) Prof.
 Irving, J., M.A. Glas. Sr. Lectr.
 Lecturers

Maunsell, F. G., M.A., Ph.D. Camb.
 Liebetegger, A., Ph.D. Vienna.
 Walls, Nancy, M.A. Edin.
 Clark, R. S., M.Sc., Ph.D. Lond.
 Mullineux, N., B.Sc., Ph.D. Manc.
 Davies, H. J., B.Sc., Ph.D. Wales.
 Brickell, F., B.Sc., Ph.D. Lond.
 Please, Olive A., M.Sc. Lond.
 Schonland, D., B.Sc. Rhodes,
 B.A. Camb. Asst. Lectr.
 Bermingham, K., B.Sc. Lond.
 Tech. Lectr.

Music

Williams, D. C., Mus.Bac. Durh.,
 F.R.C.O. Dir.

Philosophy

MacIver, A. M., M.A. Oxon.
 Sr. Lectr.
 Manser, A. R., M.A. Oxon.
 Asst. Lectr.

Physics

Taylor, A. M., M.A., Ph.D. Camb.,
 F.I.P. Prof.
 Weintroub, S., M.A. Oxon., F.I.P.
 Sr. Lectr.

Lecturers

McNeill, D. B., M.Sc., Ph.D. Belf.
 Kellner, K., Ph.D. Edin.
 Jerrard, H. G., B.Sc. Lond.
 Myers, W. R., M.Sc. Lond.
 Braybon, J. E. H., B.Sc. Lond.
 Mercer, D. M. A., B.Sc. Lond.,
 M.A. Camb.

Romance 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.
 Mayer, C. A., B.A., Ph.D. Lond.
 Lectr.

Cruickshank, J., M.A., Ph.D. Dub.
Lectr.

Eastman, Mrs. Simone P., O.A.
Lectrice.

Spanish

Kerr, R. J. A., M.A. Glas. Lectr.

Theology

Livesey, Rev. H., M.A. Oxon.,
F.R.A.I.

Supervisor of Studies.

Hon. Lecturer

Frith, Rev. H. I., M.A. Manc.,
B.D. (Biblical & Historical
Theol.).

Zoology

Raymont, J. E. G., B.Sc. Lond.,
A.M. Harv. Prof.

Lecturers

Hall, R. E., B.Sc. Lond.

Hockley, A. R., B.Sc. Lond.

Fairbairn, W. J., B.Sc. St. And.

Munday, K. A., B.Sc. Manc.,
Ph.D. Aberd.

Read, Dorothy F., B.Sc. Durh.
Asst. Lectr.

Institute of Education

Wagner, F. W., M.A. Oxon., B.Sc.
Adel. Dir.

Hicks, W. C. R., B.A. Lond.,
D.Phil. Erlangen

Sec. and Dept. Dir.

Lobb, K. M., M.A., Ph.D. Lond.
Acad. Asst.

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. Oxon., P. G. H.
Hopkins, B.A. Lond., F. A.
Ollett, M.A. Camb., A. Hod-
son, B.A. Liv., D. C. Haw-
kins, B.Sc. (Econ.) Lond.,
E. C. Macey, M.C., B.A. Lond.,
Mrs. J. M. Foster, M.A. Oxon.

ADMINISTRATIVE AND OTHER STAFF

Asst. Sec., Nancy H. Barton; Appointments Officer, L. E. Tavener, M.A. Camb.; 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; Lodgings Officer, Mrs. D. L. Luker.

Wardens of Halls of Residence. Connaught Hall, The Rev. H. Livesey, M.A. Oxon., F.R.A.I.; Highfield Hall, Elizabeth U. Lightbody, M.A. Edin.; South Hill,; South Stoneham House, R. A. Pelham, M.A. Wales, Ph.D. Birm.; Glen Eyre Hall, H. C. H. Mead, B.A. Camb.

ASSOCIATED INSTITUTION

SCHOOL OF NAVIGATION, WARSASH, SOUTHAMPTON. Director, Captain G. W. Wakeford, F.R.A.S., F.R.S.A. Telephone: Locks Heath 2161.

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."

LIBRARY. The Edward Turner Sims Library and the Departmental Libraries contain about 85,000 vols. Current periodicals number over 400.

Special collections include the Cope collection of works relating to Hampshire, the Montefiore Theological Library and the Gurney-Dixon Dante collection.

DEGREE COURSES. The College provides courses in Arts (including Music), Science, Economics and Commerce, Engineering (Civil, Mechanical, Electrical, Aeronautical), and Theology in preparation for first and higher external degrees of the University of London.

SPECIAL PROVISIONS. The Department of Education provides a 1-yr. postgraduate course for teachers in training.

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.

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 at a recognized course of instruction at the College during two years (four years if an evening or part-time student) and the holding of a University degree or a diploma of approved status during, or subsequent to, such attendance.

COLLEGE DIPLOMA AND CERTIFICATE COURSES. Diploma in Social Studies (one-year postgraduate course). Certificate in Social Studies (two-year course). Diploma in Electronics (one-year course for graduates and others with technical qualifications). Diploma in Public Administration (two-year course. Part-time courses are arranged to meet requirements of Local Government Officers.). Institute of Education Certificate in Education (one-year post-graduate course).

FACULTIES. Arts, Science, Economics and Commerce, Engineering, Education. *Deans*—Prof. H. Rothwell (Arts); Prof. N. K. Adam (Sci.); Prof. P. Ford (Econ. and Comm.); 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) (a) fulfil the minimum University and Faculty entrance requirements for External Students of the University of London (these are the only qualifications entitling a student to enter upon a degree course); or (b) hold such qualifications as Senate may from time to time recognize.

Each full-time student is placed under the supervision of a member of the staff, who acts as his Tutor.

Occasional and part-time students may be admitted to attend certain classes with the express permission of the Principal, without satisfying the conditions of paragraph 2 (a).

FEES. The annual tuition fee is 30 gs. for courses in Arts, Economics and Commerce, and Music; 35 gs. for courses in Science; 40 gs. for courses in Engineering; £40 for the Certificate Course in Education. Students whose parents are ratepayers within the County Borough, Southampton: Arts, Economics and Commerce, Music, £23 : 12 : 6; Science, £27 : 11 : 3; Engineering, £31 : 10s. Enrolment fee for all courses, £1 : 1s.

Students' Union composite fee, £3 : 10s. This fee entitles students to membership of all student societies and clubs, including the Athletic Union, and to the use of the Common Rooms.

ATHLETIC UNION. Facilities are provided for all the Union branches of sport, including Rugby and Association football, cricket, rowing, hockey, tennis, and athletics.

SCHOLARSHIPS AND EXHIBITIONS. The College offers annually (a) 29 Open Scholarships of values from £40 to £100. All tenable for 3 yrs. and supplemented by the Ministry of Education. The holders are required to pay tuition fees. (b) Four Open Exhibitions. Four Exhibitions to candidates resident in Borough of Southampton. Two Engineering Exhibitions. Two Social Studies Exhibitions. Exhibitions are of the value of free tuition.

POSTGRADUATE AND RESEARCH AWARDS. There are a limited number of postgraduate awards of a value not exceeding £260 per annum open to graduates of British Commonwealth Universities and other approved competent persons.

LOAN FUND. A fund is available to help senior students in need of financial assistance.

HALLS OF RESIDENCE. All full-time students must ordinarily reside in one of the Halls of Residence or in approved lodgings, unless living with parents or guardians. The Halls are—For men: Connaught Hall, Swaythling, Southampton, 135 places; South Stoneham House, Swaythling, Southampton, 75 places; Glen Eyre Hall, Glen Eyre Road, Bassett, Southampton (still being built), at present approx. 96 places. For women: Highfield Hall, Omdurman Road, Southampton, 98 places; South Hill, Glen Eyre Road, Southampton, 30 places. Fees for the session: Men, £100; Women, £95, not including lunches or teas.

UNIVERSITY AIR SQUADRON. The Squadron was established at the College in 1941. Membership is open to all Freshmen, whether from School or ex-Service. All entrants become members of the R.A.F.V.R. Officer Commanding—S/Ldr. A. J. Hill.

THE SOCIETY OF HARTLEYANS. This is a former students' Association, membership of which is open to all former day students. There are branches in London and the Midlands.

STUDENTS' HEALTH. There is no fully established Health Service, but each Hall of Residence has its Medical Officer, and arrangements are made for the mass radiography of all students.

APPOINTMENTS BOARD. (For Secretary, see "Administrative and other Staff," *supra*.) The Board advises students upon their careers; collects and distributes information on vacancies in employment; establishes contact with technical firms, business houses, government departments, etc., with a view to placing students in employment.

ADULT EDUCATION. The Dept. 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.

INSTITUTE OF EDUCATION. *Constituent Members:* University College, Southampton, Dept. of Education. City of Portsmouth Training College. The Training College of the Immaculate Conception, Southampton. The Training College, Weymouth. King Alfred's College, Winchester. *Associated College:* The Southern College of Art. *Dir.:* Prof. F. W. Wagner, M.A., B.Sc. *Sec. and Dep. Dir.:* W. C. R. Hicks, B.A., Dr. Phil. *Librarian:* Miss M. S. Allenby-Moore, F.L.A.

PUBLICATION. *Year-Book* (Sept.), 1s.

THE YEAR 1949-50

SPECIAL EVENTS. The year was marked by two events of special interest, the first being the visit in Nov. of the Vice-Chancellor of the Univ. of London for the College's first Presentation Day, at which graduates who had taken their degrees in the summer were presented with their diplomas. In 1950 the College celebrated the centenary of its legal foundation as the Hartley Institution, and Commemoration Day in May 1950, in honour of the Founder, Henry Robinson Hartley, was therefore a very special occasion.

NEW BUILDINGS. Very considerable progress made with bldgs. in course of erection, notably Glen Eyre Hall of Residence and the new Zool. and Chem. blocks.

NEW DEPARTMENTS AND POSTS. Chair of Aeronautical Engineering established, and Dept. of Geog. recognized as an independent dept. Director of Legal Studies appointed to resuscitate and develop the Coll.'s School of Law which was closed during the war.

OTHER DEVELOPMENTS. The College has now entered into a special relationship with the Univ. of London, whereby members of the Coll. Staff are associated with the Univ. of London Examining Boards for all exams. for Southampton students in all facs., except Engin. and Economics, where special circumstances prevent this arrangement.

RETIREMENTS. Prof. T. R. Cave-Browne-Cave (Prof. of Engin.); Prof. G. G. Dudley (Prof. of Educn.); H. Glover James (Sr. Lectr. in Mech. Engin.).

RESIGNATIONS. R. H. Day (Maths.), on appt. to Southampton Technical School; E. Dyson (Registrar); T. Kemp (Economics), on appt. to Univ. Coll., Hull; Prof. H. W. Lawton (Modern Lang.), on appt. to Chair of French, Univ. of Sheffield.

DEATH. Sir Sidney Kimber, Deputy Chairman of Council.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	32	650
Women	35	260
Total	67	910

Included in the above are 82 postgraduate students and 336 first-year admissions.

DEGREES. B.A., 74; M.A., 2; B.Com., 6; B.Sc. (Econ.), 13; B.Sc. (Engin.), 50; B.Sc., 54; M.Sc., 1; Ph.D., 3.

ST. DAVID'S COLLEGE, LAMPETER

Founded 1827

Telephone : Lampeter 42.

VISITOR—THE LORD BISHOP OF ST. DAVID'S.

PRINCIPAL—REV. CANON H. K. ARCHDALL, M.A. Camb.

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. ; *Philosophy*, Rev. R. J. Tree, M.A. Wales, B.Litt. Oxon. ; *English*, S. C. Boorman, M.A. Lond. ; *Theology and Hebrew*, Rev. R. H. Fuller, M.A. Camb.

Lectrs.—Rev. F. J. T. David, M.A. Oxon., 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.*) ; Rev. T. G. Davies, M.A. Wales (*Maths*).

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 Licence in Theol. (L.Th.) is granted to grads. of the Coll. or of any other Univ. who reside at least 2 yrs. and pass the necessary examns. The Licence is accepted as an alternative to the Genl. Ordination Examn. of the Church of England.

SCHOLARSHIPS. 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 six-credit Matricn., incl. Engl. Language and either Latin or Maths., plus four other credits, one of which must be a language other than English, if Latin is not taken. Further particulars from the Principal.

STUDENTS (1950-51), 170.

DEGREES, 1950 : B.A., 34 ; B.D., 1.

THE SCOTTISH UNIVERSITIES

ST. ANDREWS
GLASGOW

ABERDEEN
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 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. 7 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 Instns. 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.

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. 19.

Previous to the institution of a Ph.D. degree (Aberdeen, March 24, 1921, Edinburgh, Nov. 25, 1919; Glasgow and St. Andrews, Aug. 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 1949–50, 7632 awards, value £632,570, 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 (£300) and Fellowships (£850) 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, £1000 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 or to those holders of Education Authority bursaries the amount of which would seem to warrant additional aid from this Trust. 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 1949-50 amounted in all to £6528.

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

(Incorporated under the Universities (Scotland) Act, 1889.)

Telegrams : Aberdeen University.

Telephone : Secretary's Office—Aberdeen 24367.

CHANCELLOR—The Rt. Hon. THOMAS JOHNSTON, P.C., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—THOMAS MURRAY TAYLOR, C.B.E.,
K.C., M.A., LL.D.

RECTOR—J. K. EDWARDS, D.F.C., M.A. Camb.

SECRETARY TO THE UNIVERSITY—H. J. BUTCHART, D.S.O., O.B.E.,
T.D., D.L., B.L.

LIBRARIAN, CLERK, AND REGISTRAR OF GENERAL COUNCIL—W. D.
SIMPSON, M.A., D.Litt.

TEACHING STAFF

Accounting

Grant, J., M.C., M.A.

Pt.-time Lectr.

Agriculture, v. infra

Anatomy

Lockhart, R. D., M.D. Birm.,
Ch.M. Reg. Prof.

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. (Em-
bryol.) Lectr.

Watt, Margaret D., B.Sc. (Radiol.
Demonstr.) Asst.

Findlater, A. G. C., M.B., Ch.B.
Asst.

Cobban, A. C., M.B., Ch.B. Asst.

Ness, T. D., M.B., Ch.B. Asst.

Biblical Study

Neil, Rev. W., M.A., B.D., Ph.D.
Glas. Lectr.

King, A. C., M.A., B.D., Ph.D.
Glas. Asst.

Biological Chemistry

Kermack, W. O., LL.D. St. And.,
M.A., D.Sc., F.R.S. Prof.

Long, C., M.A., B.Sc., D.Phil.
Oxon. Lectr.

Lees, H., B.Sc. Liv., Ph.D. Lond.
Lectr.

..... Asst.

Maguire, M. F., M.Sc. N.U.I.
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.

de Kock, P. C., M.Sc. Cape T.,
D.Phil. Oxon. Lectr.

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

Gimingham, C. H., M.A. Camb.,
Ph.D. Lectr.
..... Lectr.
Duckworth, R. B., B.Sc. Leeds
Asst.

Adam, Olive B., B.Sc. Asst.
Dodds, J. G., B.Sc. Asst.
Sommerville, 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., 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.
Beattie, J. R., B.Sc. Nott. Asst.
..... Sr. Res. Fell.
Robins, A. B., B.Sc. Lond.
Jr. Res. Fell.

*Chemistry, Clinical, v. infra,
Med.*

Classics : Greek

Cameron, A., M.A. Glas., B.A.
Oxon. Reg. Prof.
Thomson, G. H., M.A. Oxon. (Mod.
Greek) Temp. Lectr.

Classics : Latin

Noble, P. S., M.A. Camb. and
Aberd. (Humanity) Reg. Prof.
Raven, E. J. P., M.A. Camb.
Lectr.
Adam, J. W. L., M.A. St. And.,
B.A. Oxon. Lectr.
Reece, D. 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

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.
(Christian Dogmatics) Prof.
Hunter, A. M., M.A., B.D., Ph.D.,
LL.D. Glas., D.Phil. Oxon.
(Bibl. Crit.) Prof.
Cairns, D., M.A. Oxon.
(Syst. T.) Pt.-time Lectr.

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.
..... 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.
Part-time Assistants

Chisholm, J. A. (Mech. E.).
Colmar, G. C., B.Sc. (Eng.) Glas.
(Elect. E.).

Hendrie, R. A., B.Sc. (Eng.) Lond.
(Mech. E.).
Dorward, L. F., B.Sc. (Eng.) Lond.
(Elect. E.).

Corry, J. M., B.Sc. (Eng.) Lond.
(Mech. E.).
Hackney, C., B.Sc. (Eng.) Lond.
(Elect. E.).

English

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.

Keir, W. A. S., B.Litt. Oxon.,
M.A. Asst.
Michie, J. A., B.A. Oxon., M.A.
Asst.

Murison, D. D., M.A. (Scot.
Dialect) Res. Fellow.
Aitken, A. J., M.A. Edin. (Older
Scottish Tongue) Res. Fellow.

Fisheries and Oceanography

Lucas, C. E., D.Sc. Lond.
Res. Lectr.

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., M.C., B.A., Dip.
For. Camb. Lectr.

Varty, I. W., B.Sc. (For.) Asst.
Carlisle, A., B.Sc. Wales
Res. Fell.

French

Roe, F. C., Chev. Lég. d'H., M.A.
Birm., L. ès L. Lyon, D. de l'U.
Paris Prof.

Stoker, J. T., M.A. Leeds, D. de
l'U. Paris Lectr.

Abrioux, O., L. ès L. Paris, Ph.D.
Lectr.
..... Lectr.

Assistants

Mailer, W., M.A. Edin.
Wilson, D. B., M.A. Camb.
Part-time Assistants

Bonsargent, 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. Edin.
Asst.

Synge, F. M., B.A., M.Sc. Dub.
(Cartographer) Asst.

Geology

Phemister, T. C., D.Sc. Glas.,
Ph.D. Camb., M.Sc. Chic.,
D. de l'Univ. Rennes

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.
- Williamson, D. H., B.Sc. Asst.
- German*
- Prof.
- 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 Div., Law*
- 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. (Scottish H.)
Lectr.
- Crowder, C. M. D., M.A. Oxon.
Asst.
- Milne, Doreen J., M.A. Glas.,
Ph.D. Lond. Asst.
- History and Philosophy of Scientific Research*
- Wightman, W. P. D., M.Sc.,
Ph.D. Lond. Lectr.
- International Relations*
- Rose, S., M.A. Oxon. Lectr.
- Italian*
- Chandler, S. B., B.A. Lond.
Lectr.
- Law*
- Smith, T. B., M.A. Oxon. Prof.
- MacRitchie, F., M.A., LL.B. (Con-
veyancing) McLennan Prof.
- Fackenheim, J., Dr. jur. Halle
(Compar. Law)
- Pt.-time Lectr.
- Cruickshank, J. S. R., B.A. Camb.,
LL.B. Edin.
(Const. Law and Hist.)
- Pt.-time Lectr.
- 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.
- Farquharson, J. O., M.A., LL.B.
Pt.-time Asst.
- Mackinnon, L., D.S.O., M.A.,
LL.B. (Publ. and Private
Intern. Law) Pt.-time Lectr.
- Ramsay, F., B.L. Glas. (Mercantile
Law) Pt.-time Lectr.
- Hay, A. L., M.A., LL.B. (Proced-
ure and Evidence)
Pt.-time Clark Lectr.
- Cramb, M., M.A., LL.B. (Roman
Law) Pt.-time Lectr.
- Logic*
- Ferguson, A. S., M.A. St. And.
and Oxon., LL.D. St. And.
Reg. Prof.
- Bednarowski, W., D.Phil. Cracow
Lectr.
- Mellor, W. W., B.A., B.Phil. Oxon.
Asst.
- 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.
- Ponting, F. W., M.A. Oxon. Lectr.
- Macintyre, Mrs. Sheila, M.A. Edin.,
B.A. Camb., Ph.D. Lectr.

Cockcroft, W. H., M.A. Oxon.
Asst.
Austin, M. C., B.Sc. Lond. Asst.
Rose, A., B.A. Camb. Asst.
Erdős, P., D.Sc. Manc., Ph.D.
Budapest Res. Fell.

Medicine, v. infra

Music

Swainson, S. W., M.A., F.R.C.O.
Reader.
Barrett-Ayres, R., B.Mus. Edin.
Lectr.
Bullock, Mary, Mus.B. Durh.
Asst.

Natural History

Wynne - Edwards, V. C., M.A.
Oxon., F.R.S.C. Reg. Prof.
Neill, R. M., M.C., M.A. Glas.,
D.Sc. (Zool.) Reader.
Begg, C. M. M., Ph.D. Birm., M.A.,
B.Sc. Lectr.
Orkin, P. A., B.Sc. McG. Lectr.
Symmons, Saida, B.Sc. Leeds,
Ph.D. Lectr.
Dunnett, G. M., B.Sc. Asst.
Forrest, Aileen, B.Sc. Asst.
Goodbody, I. M., B.Sc. Dub.
Asst.

Oceanography, v. Fisheries

Philology, Compar., v. Celtic

Philosophy, Moral

MacKinnon, D. M., M.A. Oxon.
Reg. Prof.
Flew, A. G. N., M.A. Oxon.
Lectr.
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.
Lecturers
Griffith, H. D., B.A. Camb.
Swindell, G. E., M.Sc. Belf.
(Medical Physics).

Strachan, C., Ph.D. Camb., M.A.
Aberd. and Camb.
(Math. Physics).
Holbourn, A. H. S., M.A. Edin.,
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Stevenson, R. W. H., B.A. Oxon.
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(Theor. Physics and Appd.
Maths.).
Duncanson, A., B.Sc. Edin. (Ex-
per. Physics).
Richards, J. C. S., B.Sc. (Elec-
tronics).
Jones, D. A., B.Sc. Wales.
McLachlan, N. W., D.Sc. Lond.
(Engin. Maths.).

.....

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Quenouille, M. H., M.A. Camb.
(Statistics).
Stewart, J. D., M.A., Ph.D.
Pt.-time Lectr.

Assistants

Jolly, W. C., M.A.
Paul, W., M.A.
Smith, A. M., M.A.
Smith, T., B.Sc., Ph.D. Leeds.
Bain, W. C., M.A., B.Sc.
McCombie, C. W., M.A.
Abraham, D., B.Sc. Wales.
Malcolm, I., M.A.
Creasy, Monica A., B.Sc. Lond.
(Statistics).
Marriott, F. H. C., B.A. Camb.
(Statistics).

Physiology

Cruickshank, E. W. H., D.Sc.
Lond., Ph.D. Camb., M.D.
Reg. Prof.
Kosterlitz, H. W., M.D. Berl.,
Ph.D., D.Sc.
(Human and Exper.)
Lectr.
Cuthbertson, D. P., M.D., D.Sc.
Glas.
(P. of Nutrit.) Hon. Res.
Lectr.
Innes, I. R., M.B., Ch.B. Lectr.

Pirenne, M. H. L., Dr. ès Sc.
Liège, Ph.D. Camb. (Special
Senses) Lectr.
Denton, E. J., B.A. Camb., B.Sc.
Lond. (Bio-physics) Lectr.
Taylor, D. W., M.B., Ch.B. Lectr.

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., F.R.Hist.S.
(Econ. H.) Lectr.
Noble, T. A. F., M.B.E., M.A.
Lectr.
Munby, D. L., M.A. Oxon. Lectr.
Buckley, K. D., B.A. Lond. Asst.
Soper, T. P., M.A. St. And. Asst.
Sudworth, J. F., M.A. Glas. Asst.
Evans, Gwenllian, M.A. Wales
Res. Fellow.
Rowntree, Anna G. B., M.A.
Oxon. (Nuffield Fellowship)
Res. Fellow.
..... Res. Fellow.
McLeod, Sheila M., M.A. Glas.
Res. Fellow.

Political Theory

Burns, J. H., M.A. Edin. Lectr.

Psychology

Knight, A. R., B.A. Syd., M.A.
Camb. Anderson Prof.
McKellar, T. P. H., M.A. N.Z.,
Ph.D. Lond. Lectr.
Knight, Mrs. Margaret, M.A. Camb.
Pt.-time Lectr.
Fraser, Elizabeth D., M.A., Ed.B.
(Social Psychol.) Lectr.
Laird, A. J., M.A., B.Sc. Edin.
Res. Fellow.

Spanish

Parker, A. A., M.A. Camb.
Reader.
Dunn, P. N., M.A. Lond. Lectr.
Gilabert, P., B.A. (Com.) Manc.
Pt.-time Asst.

Swedish

Frykman, E., Fil. lic. Uppsala
Lectr.

Theology, v. Divinity and Bibli-
cal Study, *supra*

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.S.
Wisc.

Strathcona-Fordyce Prof.
Fraser, A. H. H., B.Sc., M.D.
(Animal and Dairy Hus-
bandry) Lectr.
Barnett, A. J. G., B.Sc., Ph.D.
Edin. (Agr. Biochem.) Lectr.
Jamieson, S., Ph.D. (Agr. Bac-
teriol.) Lectr.
Smith, J. H., M.Sc. Wales (Agr.
Econ.) Lectr.
Carrick, R., B.Sc. Glas., Ph.D.
Edin. (Agr. Zool.) Lectr.
..... (Crop and Grassland Hus-
bandry) Lectr.
..... (Principles of Agric.)
Lectr.

Faulks, P. J., M.A. Camb. (Agric.
Bot.) Lectr.

Donald, G., B.Sc. (Agr.)
Pt.-time Lectr.

Young, J. F., B.Sc. (Agr.) Asst.
Findlay, W. M., B.Sc. (Seed Test-
ing) Temp. Pt.-time Asst.
Bain, R., B.Sc. (Agr.) Glas.
Temp. 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, A., B.Sc., B.Sc. (Agr.)
Pt.-time Lectr.

Moore, W., B.Sc. (Agr.), D.Sc.
Pt.-time Asst.

Hamilton, W. D. B., B.Sc., B.Agr.
Belf. Pt.-time Asst.

Walker, H. F., B.Sc. Agr., Ph.D.
Durh. Pt.-time Asst.

Agric. Engineering

Davies, E. F., B.Arch. Liv.
Pt.-time Asst.

Chisholm, J. A. 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.

Hon. Res. Lectr.
Williamson, W. T. H., Ph.D.
Edin., B.Sc., F.R.I.C. Lectr.

Coutts, J. R. H., M.Sc. Lond.,
D.Sc. Natal Lectr.

Laing, D., B.Sc. Asst.

Veterinary Hygiene

Grant, J. C. Pt.-time Lectr.

Medicine

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

Bacteriology

Cruikshank, J., C.B.E., M.D.
Glas. Prof.

Menzies, R. F., M.B., Ch.B. Lectr.

Fraser, K. B., M.C., M.D. Lectr.

..... Lectr.

Stuart, Jean E., M.B., Ch.B.

Asst.

Hamilton, W., M.B., Ch.B. Asst.

Smith, J., 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, A., 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.

..... Lectr.

Burrell, Joan M., M.B., Ch.B.
Asst.

Children, Surgical Diseases of

Part-time Lecturers

Bruce, G. G., M.B., Ch.B., F.R.C.S.

Davidson, S. G., M.A., M.B., Ch.B.,
F.R.C.S.

Logie, N. J., M.B., Ch.B., F.R.C.S.

Dental Surgery

Crombie, H. M., M.B., Ch.B.,
L.D.S. Pt.-time Lectr.

Ear, Nose and Throat, Diseases of

Collins, E. G., M.B., Ch.B.,
F.R.C.S.Ed. Pt.-time Lectr.

McNaughtan, I. P. J., M.B., Ch.B.,
F.R.C.S.Ed. Pt.-time Asst.

Thomson, I. 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.

Rice, J. I., M.B.E., M.B., Ch.B.
Pt.-time Asst.

Materia Medica

Campbell, D., M.C., M.A., B.Sc.,
M.D., LL.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. (On
Nat. Service) Asst.

Medicine

Fullerton, H. W., M.A., M.D.,
F.R.C.P. Reg. Prof.

Robson, H. N., M.B., Ch.B. Edin.
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. Lond. (Clin.
 Med.) Pt.-time Asst.

Manson, Doris I., M.B., Ch.B. Asst.
 Asst.

Mental Diseases

Wyllie, A. M., B.Sc., M.D. Glas.,
 Dip.Psych. Edin.
 Pt.-time Lectr.

Part-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.

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 Milne, A., M.B.E., M.B., Ch.B.

Pt.-time 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.

. Lectr.

Milne, G. P., M.B., Ch.B.
 Pt.-time Lectr.

Wyper, J. F. B., B.Sc., M.B.,
 Ch.B. Glas. (Clin. Gynæcol.)

Pt.-time Asst.

Hytten, F. Res. Fellow.

Ophthalmology

Law, Beatrix B., M.A., M.D., D.O.
 Pt.-time Lectr.

Part-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.

Watson, A. J., M.B., Ch.B. Asst.

. Georgina McRobert Re-
 search Fellow.

Public Health and Infectious Diseases

Berry, D. W., M.C., M.D., D.P.H.
 Reader.

Mair, A., M.D., D.P.H. Lectr.

. Lectr.

Part-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.).

Anderson, T. E., M.D. (Diseases
 of the Skin).

Chambers, W., M.B., Ch.B. Glas.
 (Infect. Diseases)

Pt.-time Asst.

Radio-Diagnostics

Levack, D. P., C.B.E., T.D., M.B.,
 Ch.B., D.M.R. & E.

Pt.-time Lectr.

Surgery

Wilson, W. C., M.B., Ch.B.,
 F.R.C.S.Ed. Reg. Prof.

Woodruff, M. F. A., B.E.E., M.D.,
M.S. Melb., F.R.C.S. Lectr.
..... Lectr.

Part-time Lecturers

Gowar, F. J. S., M.B., B.S.,
F.R.C.S. (Thoracic S.).
Rennie, A. M., M.B., Ch.B.,
F.R.C.S. (Orthopædic S.).
Nichols, W. M., M.B.E., M.B.,
Ch.B. Glas., M.Sc. McG.,
F.R.F.P.S. Glas. (Neuro-S.).
Fowler, A., M.B., Ch.B., F.R.C.S.
Ed. (Clin. Surg.).
Michie, W., M.B., Ch.B., F.R.C.S.
Ed. (Clin. Surg.)
Pt.-time Asst.

Tuberculosis

Bell, D., M.D. Edin., D.P.H.
Pt.-time Lectr.

Part-time Assistants

Mason, Anna T., M.B., Ch.B. Glas.
Fraser, R., M.D., D.P.H.

Venereal Diseases

Bowie, F. J. T., M.B., Ch.B.,
D.P.H. Pt.-time Lectr.
Wright, C. C., M.B., Ch.B., D.P.H.
Pt.-time Asst.

Gifford Lecturer in Nat. Theol.

1953-54—Rev. P. J. Tillich, Ph.D.,
D.Theol., D.D.

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M.C., M.A.; Assistant to Director of Physical Education: Adele M. Mac-
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Hall of Residence: Jean McAnish.

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Secretary, H. Munro, 41½ Union Street, Aberdeen (*Telephone*: Aberdeen
27205). Lectrs.: *Agric.*, *Principles of*, G. Donald, B.Sc. (Agr.); *Agr. Bot.*,
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(Agr.); *Agr. Engin.*, G. Murray, B.Sc. (Agr.); *Agr. Zoology*, D. Robertson,
B.Sc. (Agr.), Ph.D., D.Sc.; *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.; *Vet. Hyg.*, J. C. Grant; 5
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Investig. Officer, 40 Assts., 1 Farm Manager, 2 Regional Directors of County
Work, 16 County Agr. Advisers, 13 Asst. County Agr. Advisers, 2 Sr. and
15 County Advisers in Dairying and Poultry-keeping, 3 Asst. County Advisers
in Dairying and Poultry-keeping, 7 Machinery Instructors.

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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. Evening courses in the higher branches of Civ., Mech., Elect., Automobile Engin., Naval Archit., Maths., Physics, Chem., and in Papermaking.

Fees. All fees for degree courses payable at the Univ. (v. *infra*). For Engineering Associateship and National Diploma (Higher), 1st, 2nd, and 3rd yrs., each £30 (plus matricn. fee, 2nd and 3rd yrs., £2 : 12 : 6).

Staff.—*Director*, A. C. West, B.Sc. St. And., Ph.D. Lond. *Architecture*, Head of School, E. F. Davies, B.Arch. Liv., F.R.I.B.A., F.R.I.A.S.; 5 Asst. Teachers. *Art*, Head of School, H. Adam Crawford; 3 Principal Teachers, 8 Asst. Teachers, 1 Attendant. *Chemistry*, Head of School, M. B. Watson, B.Sc. Aberd., Ph.D. Reading; Lectrs.: G. W. Youngson, B.Sc., Ph.D. Aberd.; A. Hunter, B.Sc.; 2 Lab. Attendants. *Domestic Science*, Hd. of School, Annette G. Kelly; 4 Hds. of Depts.; 18 others; 1 Lab. Attendant. *Civil Engineering*, James D. Robertson, B.Sc. (Eng.) St. And. *Electrical Engineering*, Hd. of Dept., E. Wilkinson, B.Eng., Ph.D. Liv.; Lectrs.: G. C. Colmar, B.Sc. (Eng.) Lond., L. F. Dorward, B.Sc. (Electr.) Lond., C. Hackney, B.Sc. (Eng.) Lond.; 2 Lab. Mechanics; 1 Asst. *Mechanical Engineering*, Hd. of Dept., A. D. Edmond, B.Sc. (Eng.) Lond., F.R.S.A.; Lectrs.: J. A. Chisholm, R. A. Hendrie, B.Sc. (Eng.) Lond., J. M. Corry, B.Sc. (Eng.) Lond.; 2 Lab. Mechanics, 1 Asst. *Marine Engineering*, Lectr.: C. Hay. *Maths. and Physics*, Hd. of School, J. D. Stewart, M.A., Ph.D. Aberd.; Lectrs.: J. S. Morgan, M.A. Aberd., R. C. Angus, M.A. Aberd., E. Fanthorpe, B.Sc. Sheff.; 2 Lab. Mechanics. *Navigation*, Hd. of School, C. R. Cameron, D.S.C.; Lectrs.: D. F. McKay, F. W. Gardiner, George P. Insh; Lectr. in Ambulance Work, A. G. Beattie, M.B., Ch.B. Aberd. *Pharmacy*, Hd. of School, J. E. Bowen, B.Sc. Wales, F.R.I.C.; Lectrs.: Nancy M. Rose, M.A., B.Sc. Aberd., W. R. L. Brown, B.Pharm. Lond., A. MacDonald, Sheila Wilson; 1 Lab. Attendant; Clerk and Treasurer, W. R. Murdoch.

GENERAL INFORMATION, v. also pp. 518 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 Depts. accommodated within *King's College*, Old Aberdeen, belong to the Faculties of Arts and Divinity. The classes in the Faculty of Law, and the Depts. of Psychology, Geography, and Education, are accommodated within the reconstructed St. Mary's Church, Old Aberdeen. The Botany and Forestry Depts. occupy adjacent buildings also in Old Aberdeen. In *Marischal College*, the Departments accommodated belong mainly to the Faculties of Science and Medicine (first-, second-, and third-yr. subjects). At Foresterhill, in close proximity to Aberdeen Royal Infirmary, the Maternity Hospital, and the Royal Aberdeen Hospital for Sick Children, are the University Medical Buildings in which are accommodated all classes from the fourth yr. onwards.

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, Pathological (600 specimens), etc.

RESEARCH (*see also* p. 521). Besides the usual laboratories there is the Rowett Institute of Research in *Animal Nutrition*, Bankhead, nr. Aberdeen, 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. There is also the Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen.

TEACHING HOSPITALS. 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 (Maths.); Science, Prof. H. M. Steven (Forestry); Divinity, Prof. A. M. Hunter (Bibl. Crit.); Law, Prof. T. B. Smith; Medicine, Prof. D. Campbell (Materia Medica). Numerous Departments include Education, Agriculture, Forestry, and Engineering.

ADMISSION, *v.* Appendix I. Persons wishing to attend classes as private (non-graduating) students may do so only with the approval of the appropriate Departmental head, and on payment of the necessary class and matric. fees.

DEGREES, ETC., *v.* pp. 519 ff. A Diploma is conferred in Public Health (D.P.H.).

FEES (*v.* also Carnegie Trust, p. 522). Matriculation, 2½ gs. p.a. Class (Tuition) fees: 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. 521-522), about 25; aggregate annual value about £2000. *Travelling Scholarships*: Anderson, for medical graduates, about £500 p.a. for 2 yrs.; Kilgour, £300 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. Lodgings cost from £2 : 10s. upwards per wk. There is a Hall of

Residence for Medical Students in which residence is compulsory for sixteen weeks during the fifth or final yr. of study. A fee—at present £30—is payable in respect of the compulsory period of residence.

APPOINTMENTS. There is no Appointments Committee, but advice is given by a member of the Administrative Staff as to preparation for entrance to various Government Services and other appointments. All communications to be addressed to *The Secretary to the University*.

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 all students in Faculties other than Medicine, where examination is compulsory.

ADVISER TO WOMEN STUDENTS. Mrs. Ian Clarke.

ADULT EDUCATION AND VACATION COURSES. Adult Educn. Classes under the Adult Education (Scotland) Regulations, 1934, are conducted in Marischal Coll. in conjunction with the Educn. Cttee. of Aberdeen Town Council. Classes under the regulations for the Kilgour (Mechanics Institution) Lectures are conducted under similar auspices. No Vacation Courses are held within the Univ.

ALUMNUS ASSOCIATION. All Graduates and Alumni of the Univ. are eligible for membership of the Aberdeen University Alumnus Association. Particulars may be had from the Secretary, L. J. Smith, M.A., LL.B., 9 Bonaccord Square, Aberdeen.

UNIVERSITY MILITARY AND AIR FORCE FORMATIONS. There is a contingent of the University Training Corps (T.A.) attached to the Univ. (Officer Commanding, Lt.-Col. T. B. Smith); the contingent has Infantry, Engineer, Medical, and Signals sections with a Permanent Staff of officer and other rank Instructors. There is also a Squadron of the Royal Auxiliary Air Force attached to the Univ. (Officer Commanding, Squadron Leader Hallam). Headquarters of both Formations is situated at College Bounds, Old Aberdeen; membership is voluntary, and is confined to Matriculated Students of the Univ.

ATHLETIC ACTIVITIES. There are playing fields at King's College extending to 22 acres or thereby. Membership of Aberdeen University Athletic Association is open to all Matriculated Students on payment of a fee, as is membership of the affiliated clubs (football, cricket, swimming, etc.). At King's College there is a modern well-equipped swimming pool, and squash courts, etc.

STUDENTS' UNION. All students on Matriculation become members of the Students' Union without further fee. The Union has a large hall (with stage and full stage equipment), billiards room, music room, reading rooms and spray baths, as well as snack bars and dining-rooms.

PUBLICATIONS. *Calendar* (Oct.), 10s. 9d.; *Univ. Review*, 7s. 6d. p.a. (3 issues); *Students' Handbook and Diary* (Nov.), 2s.; *Alma Mater* (organ of S.R.C.).

UNIVERSITY PRESS. Aberdeen University Press, Ltd., 6 Upperkirkgate, Aberdeen. (Joint Managing Directors: D. C. Duncan and H. M. R. Watt, M.A.)

THE YEAR 1949-50

BENEFACTIONS. Late G. Collie of Ratho, £7000—bequest for foundation of Bursaries; late E. Skene, Whitley Bay, £2750—bequest to form a Fund

for General Purposes; Carnegie Trust, Edinburgh, £2553—grant for special purposes; Imperial Chemical Industries, £2500—first of seven instalments of cost of foundation of a Lectureship in the Hist. and Philos. of Scientific Res.; Nuffield Trust, £1000—gift towards cost of a Res. Fellowship on "Economics of Starting a Family"; late Dr. W. Meston, Edinburgh, £450—bequest for General Purposes; Anglo-Saxon Petroleum Co., Ltd., £300—grant towards cost of Field Excursions in Geol.; family of late Dr. J. A. Third, Aberdeen, £150—gift to found "Dr. J. A. Third Prize" in the Intermed. Hons. class of Maths.; Morren Cancer Research Fund, £150—grant to aid Cancer Res.; Dr. J. A. Ross, Aberdeen, £143—fifth instalment of donation towards cost of endowment of Chair of Child Health; Dr. E. M. Barron, Nairn, £100—gift to form additional capital for Barron Prize in Celtic; John Gordon's Charitable Trust Fund, Aberdeen, £100—further donation towards cost of foundation of Lectureship in Biblical Study; F. A. Ritson, Elgin, £100—sixth annual donation to cover cost of delivery of a series of Lectures on topics of Political Science and Internat. Relations; founders of the Macleod-Smith Chair of Biological Chemistry, £89—gift of royalties received on a publication by the late Prof. J. J. R. Macleod; Kingswells Trust, Aberdeen, £37 : 10s.—gift for General Purposes; Society of Advocates in Aberdeen, £26—gift to form prizes in certain Law classes; I. Silberg, Hove, £18—annual gift to form Silberg Prizes in Anat. and in Physiol.; Mrs. Isabella Macdonald, Aberdeen, 5 gs.—annual gift to form George Macdonald Prize for Degree of Ed.B.

BUILDINGS, ETC. Organ in the Mitchell Hall, Marischal Coll., completely reconstructed. Additional accommodation has been acquired for the Nat. Phil. Dept. by the erection of a mezzanine floor in a large lab. formerly used by the Geol. Dept. The former St. Mary's Church in Old Aberdeen has been reconstructed to accommodate the Depts. of Psychol., Geog. and Educn. and the Fac. of Law, and the accommodation so vacated at Marischal College has been allocated to the Depts. of Biological Chem., Geol., and Physiol. An additional laboratory has been constructed in the North Tower, Marischal Coll., for the use of the Dept. of Soil Sci. The former Bacteriol. Lecture Theatre in Marischal Coll. has been reconstructed so as to provide additional private rooms and labs. for Engin. Dept. Shortage of accommodation in the Administrative Dept. is to be partially relieved by the acquisition and reconstruction of two large rooms on the ground floor of the Chem. Dept. In the north recess of the Library at King's Coll., additional accommodation is to be provided by the erection of a mezzanine floor. 5 additional private rooms are to be provided on the south-west staircase, King's Coll., and additional dressing-room and toilet accommodation has been provided at the Swimming Pool. Erection of the new Chem. Bldgs. in Old Aberdeen is proceeding. 8 new houses have been completed in Old Aberdeen, and have been occupied by members of the staff; approval has been given for the erection of 10 more houses. By arrangement with the Territorial Army Association, University land has been provided at Old Aberdeen for the erection of huts provided by the T.A. Assoc. to house the contingent of the U.T.C. The extension to the Univ. Medical Bldgs. at Foresterhill has been completed and occupied.

NEW DEPARTMENTS AND POSTS. Ordinance founding a Chair of German has been approved by H.M. the King in Privy Council, and Ordinances founding Chairs in Jurisprudence, Social Med., and Geog. await H.M.'s approval. Lectureships have been founded in the following subjects: Hist. and Philos. of Scientific Res.; Industrial Med.; Agricultural Bot.; Agricultural Economics; Agricultural Zool.; Principles of Agric.; Educ., Swedish, Italian, Music

Moral Philos. Additional Lecturers are to be apptd. in Soil Sci., Social Psychol., and Engin.

REGULATIONS, ETC. An Ordinance abolishing the Degree of B.Com. has received the approval of H.M. the King. Swedish and Italian have been added to the list of graduating subjects for the Degree of M.A. Additional Hons. groups for the Degree of M.A. have been constituted : they are—Hist./Politics ; Economics/Politics ; Philos./Politics.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. J. Wisdom, Trinity College, Cambridge, and Monsieur G. Marcel, Paris : 2 courses of 10 (Gifford) lectures each. A. Bullock, New College, Oxford, 3 (Ritson) lectures : "Hitler and the Nazi Revolution." Prof. W. H. Bruford, Edinburgh, "The Humanism of Goethe." Principal Sir Edward Appleton, Edinburgh, "Some Radio Reflections." Prof. G. H. von Wright, Cambridge, "On Modal Logic." Dr. D. Daube, Cambridge, "A New Method of Legal-Historical Research : Roman Legislation ; its Forms and Social Background."

RETIREMENTS AND RESIGNATIONS. No staff retirements during the year under review. Resignations included the following : Dr. K. A. Munday (Nat. Hist.), on appt. to a lectureship at Univ. Coll., Southampton ; Dr. J. G. Drummond (Hist.) ; Dr. L. W. Fraser (Bacteriol.) ; D. A. Kidd (Classics), on appt. to Chair of Classics in Univ. Coll. of the Gold Coast ; Dr. D. McMillan (French), on appt. to a lectureship in the Univ. of Edinburgh ; R. Molland (Political Economy), on appt. to a lectureship in the Univ. of Bristol ; Dr. F. V. Smith (Psychol.), on appt. to the Chair of Psychol. in the Univ. of Durham.

HONORARY DEGREES. D.D.—Rev. E. Hastings, Editor of *Expository Times* ; Rev. J. Kellar, Principal of the Scottish Church Coll., Calcutta ; Rev. R. Mackintosh, Sec. to the Home Board of the Church of Scotland ; Right Rev. A. T. Nygren, Bishop of Lund, Sweden ; Rev. J. M. Webster, former minister of the Church of Scotland at Carnock. I.L.D.—Sir Frederick Bain, Deputy Chairman of I.C.I. ; Ivor J. C. Brown, Author, and Assoc. Editor and Hon. Director of *The Observer* ; J. Cameron, Dean of the Faculty of Advocates ; E. F. Carritt, Emeritus Fellow of Univ. Coll., Oxford ; H. R. Dean, former Vice-Chancellor of the Univ. of Cambridge ; Major M. V. Hay of Seaton, Aberdeen ; Sir Arthur Cunningham Lothian, formerly of the Indian Political Department ; Y. Milon, Prof. of Geol. and Dean of Fac. of Sci., Univ. of Rennes ; A. Siegfried, Member of the French Academy, and Prof. at the École Libre des Sciences Politiques, Paris.

STUDENTS (Matriculated only).

	<i>Part-Time</i>	<i>Full-Time</i>
Men	84	1545
Women	26	517
Total	110	2062

Included in the above are 85 postgraduate students (72 men ; 13 women) and 538 first-year admissions (377 men ; 161 women).

DEGREES. Arts : Ph.D., 2 ; M.A. (Hons.), 92 ; M.A. (Ord.), 144 ; Ed.B., 5. Divinity : B.D., 0. Law : LL.B., 10 ; B.L., 7. Medicine : M.D., 6 ; M.B., Ch.B., 87. Science : D.Sc., 3 ; Ph.D., 7 ; B.Sc. (Pure Science—Hons.), 34 ; B.Sc. (Pure Science—Ord.), 29 ; B.Sc. Agr. (Hons.), 3 ; B.Sc. Agr. (Ord.), 25 ; B.Sc. For., 21 ; B.Sc. Eng. (Hons.), 11 ; B.Sc. Eng. (Ord.), 19.

UNIVERSITY OF EDINBURGH*

Founded 1583

Telephone : Edinburgh 41001.

CHANCELLOR—.....

VICE-CHANCELLOR AND PRINCIPAL—SIR EDWARD V. APPLETON, G.B.E.,
K.C.B., F.R.S.

RECTOR—SIR ALEXANDER FLEMING, M.B., B.S. Lond., F.R.S., F.R.C.S.,
F.R.C.P.

SECRETARY TO THE UNIVERSITY—CHARLES H. STEWART, M.A., LL.B.
Glas.

SECRETARY TO THE GENERAL COUNCIL—G. DONALDSON, Ph.D. Lond.,
M.A.

REGISTRAR TO THE GENERAL COUNCIL—W. A. COUTTS, M.A.

LIBRARIAN—L. W. SHARP, Ph.D. Camb., M.A.

ACCOUNTANT—R. O. CURLE.

TEACHING STAFF

Accounting and Business Method

Murray, A. G., M.A. Prof.
Whitton, J., M.A., B.Com. Lectr.
Taylor, R. Lectr.
Ritchie, J. M. Asst.

Taylor, H. W. Y., M.A., B.Sc.,
M.B., Ch.B.

Duckworth, J. W. A., M.B., Ch.B.

Barrett, Helen S., M.B., Ch.B.

Robertson, D., M.B., Ch.B.,
F.R.C.S.Ed.

Romanes, G. J., B.A., Ph.D.
Camb., M.B., Ch.B.

(Neuro-anat.).

Assistants

Bruce, J., C.B.E., M.B., Ch.B.,
F.R.C.S.Ed. (Applied A.).

Stirling, R. I., M.B., F.R.C.S.Ed.
(Applied A.).

Farquharson, E. L., M.B., Ch.B.,
M.D., F.R.C.S.Ed.

(Applied A.).

Batty, D. M. F., M.B., Ch.B.,
F.R.C.P.Ed. (Applied A.).

Liston, W. A., M.B., Ch.B.,
F.R.C.S.Ed. (Applied A.).

Scott, G. I., M.A., M.B., Ch.B.,
F.R.C.S.Ed. (Applied A.).

Actuarial Science

Lecturers

Donald, D. W. A., O.B.E., F.F.A.
Ross, A. F., F.F.A.

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.

Lecturers

Jardine, F. E., M.B., Ch.B.,
F.R.C.S.Ed. (Applied A.).

Craig, R. C., M.B., F.R.C.S.Ed.

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

McDowall, G. D., M.B., Ch.B.,
F.R.C.S.Ed. (Applied A.).

Anatomy, Comparative (Veterinary)

Grahame, T., F.R.C.V.S. Lectr.

Anthropology

Little, K. L. (Social Anthropol.)
Reader.

Littlejohn, J. Lectr.

Goffman, E., B.A. Tor., M.A.
Chic. Asst.

Arabic

Watt, W. M., M.A., M.Litt. Oxon.,
M.A., Ph.D. Lectr.

Cachia, P. J. E., B.A. Ames
Lectr.

Archæology, Classical

Gough, M., M.A. Camb. Lectr.

Archæology, Prehistoric

Piggott, S., 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.

Smyth, M. J., B.A. Camb. Asst.

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 W. Wright, D. ès Sc.
Toulouse, LL.D. Aberd., M.A.,
F.R.S., F.L.S. Reg. Prof.

Nelson, A., B.Sc. Glas., Ph.D.,
D.Sc. Reader.

Lecturers

Lyall, C. A., B.Sc.

Anthony, J., M.C., M.A., B.Sc.
(Forest B.).

Blyth, W., B.Sc., Ph.D.

Roberts, J., B.Sc.

Davis, P. H., B.Sc.

Celtic Languages, etc.

Jackson, K. H., M.A. Prof.

Chemistry

Kendall, J. P., M.A., D.Sc., F.R.S.
Prof.

Lecturers

Beevers, C. A., D.Sc. Liv.

Bolam, Mrs. Mary R., B.Sc.,
Ph.D.

Bolam, T. R., D.Sc.

Miller, Christina C., D.Sc., Ph.D.

Campbell, N., D.Sc., Ph.D.

Percival, E. G. V., Ph.D. Birm.,
D.Sc., F.R.I.C.

Ritchie, M., D.Sc., Ph.D.

Taylor, D., B.Sc., Ph.D.

Aspinall, G. O., B.Sc. Brist.

Magee, R. J., M.Sc. Belf.

Tipper, C. F. H., B.Sc., Ph.D.
Brist.

18 Assts.

Chemistry in relation to Medicine

Marrian, G. F., D.Sc. Lond.,
F.R.S. Prof.

Readers

Stewart, C. P., M.Sc. Durh., Ph.D.

Stedman, E., B.Sc. Lond., Ph.D.,
F.R.S.

Lecturers

Stedman, Mrs. Ellen, M.Sc.

Grant, J. K., B.Sc.

Illingworth, R. E., B.Sc., Ph.D.,
F.R.I.C.

Ramsay, W. N. M., B.Sc., Ph.D.
 Minnis, J. W., B.Sc., Ph.D.
 Bauld, W. S., B.A. Acad., M.Sc.
 Dal.

Roy, A., B.Sc.

Assistants

Boyd, G. S.
 Cox, R. I., B.Sc.
 Dutton, G. J., B.Sc.
 Mauritzen, C. M.
 Russell, Margaret E., B.A. Tor.
 Sutherland, T. M., B.Sc.
 Cruft, H. J.
 Lough, A. K.
 Purves, D., B.Sc.
 Taylor, W., B.Sc.

Chemistry, Organic

Hirst, E. L., M.A., B.Sc., Ph.D.
 St. And., D.Sc. Birm., M.Sc.
 Manc. Prof.

Chemistry, Technical

Lecturers

Wilson, D. M., B.Sc., Ph.D. Glas.
 Jones, E. L., B.Sc. Wales.

Classics: Greek

Beattie, A. J., M.A. Prof.
 Lecturers
 Forbes, P. B. R., M.A. Camb.
 Coxon, A. H., M.A. Oxon.

Classics: Latin

Grant, M., O.B.E., M.A. Camb.
 Prof.

Lecturers

Potter, K. R., M.C., M.A. Oxon.
 Smith, W. K., M.A. Camb.
 Wellesley, K., M.A. Camb.
 Bishop, J. H., M.A. Camb.

*Commerce, and Organization of
 Industry*, v. also Acc., Banking

Oliver, W., B.Sc. Prof.
 Hunt, N. C., B.Com. Lond., Ph.D.
 Lectr.
 Redfern, J., B.Com. Asst.

*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.
 Heughan, Hazel, M.A.

Assistants

Moller, Asta, B.Litt., D.Phil.
 Oxon., M.A.
 Parker, Norah, M.A. (Econ. Hist.).
 Stewart, Brenda P. R., M.A.

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. J. 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.

Smith, Rev. J. W. D., M.A., Ed.B.
 Glas., B.D. Lectr.
 Mathers, Rev. J., O.B.E., B.A.
 N.U.I., B.D. Asst.

Economics, v. Comm. and Pol.
 Econ.

Education

Pilley, J. G., M.A. Prof.
 Emmett, W. G., M.A. Camb.
 Reader.

Lecturers

Mowat, G., M.A., B.Ed.
 Lothian, A. J. D., M.A. Oxon.,
 M.A.
 Inglis, W. B., M.A., Ed.B., Ph.D.
 Glas.
 Fulton, A. S., M.A.
 Pilliner, A. E. G., B.Sc. Birm.
 McFarland, H. S. N., M.A. Aberd.,
 B.Ed.

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.
 Taylor, Elsie G., B.Sc. Wales,
 B.Ed.

Engineering

Arnold, R. N., M.S. Illinois, D.Sc.
 Glas., Ph.D., D.Eng. Sheff.
 Reg. Prof.

Lecturers

Stewart, D. 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.
 Farvis, W. E. J., B.Sc. Lond.
 Hunter, W. B., B.Sc.
 Zienkiewicz, O. C., B.Sc., Ph.D.
 Lond.

Fishwick, W., M.A., Ph.D. Camb.
 Robson, J. D., M.A. Oxon.
 Assistants
 Hawkins, P., B.Sc.
 McKenzie, A. S. V., B.Sc.
 Patten, T. D., B.Sc.

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.

Lecturers

Paxton, K. D., M.A.
 Prudhoe, J., M.A. Camb.
 Assistants
 Butter, P. H., M.A. Oxon.
 Maynard, Winifred A., B.A. Durh.
 Douglas, W. C., M.A.
 Kitchin, G., M.A., D.Litt.
 Smith, Janet N., M.A., Ph.D.
 Webster, M. C., M.A. Aberd.
 King, Mary L., M.A., Ph.D.

English Language and General Linguistics

McIntosh, A., M.A. Oxon. Prof.
 Lecturers
 Schram, O. K., M.A. Wales, Ph.D.
 Camb.
 Uldall, H. J., M.A. Col.
 Samuels, M. L., M.A. Oxon.
 Palsson, H., B.A. Dub. (Scandi-
 navian) Lektor.

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.
 Lecturers
 Legge, M. Dominica, M.A., B.Litt.
 Oxon.

Steele, A. J., M.A.
 Leigh, R. A., B.A. Lond.
 McMillan, D., B.A., Ph.D. Lond.
 (Romance Philol.).

French Language

Green, F. C., M.C., M.A., D. Phil.
 Prof.

Geography

Ogilvie, A. G., O.B.E., M.A.,
 B.Sc. Oxon. Prof.

Lecturers

Geddes, A., D. ès L. Montp., Ph.D.
 Snodgrass, Catherine P., M.A.,
 Ph.D.

Müller, R., M.A., Ph.D.
 Robertson, C. J., Ph.D. Lond.,
 M.A., B.Sc.

Macgregor, D. R., M.A. Aberd.
 Assistants

Prothero, R. M., M.A. Wales.
 Common, R., B.Sc. Durh.
 MacIver, Kathleen M., B.A. Oxon.
 White, H. P., B.A. Lond.
 Tivy, Joy, B.A. Dub., B.Sc.

Geology

Holmes, A., D.Sc. Lond., F.R.S.
 Reg. Prof.
 Campbell, R., M.A., D.Sc. (Petro-
 logy) Reader.

Lecturers

McIntyre, D. B., Ph.D. (Econ.
 Geol.)

Cockburn, A. M., B.Sc., Ph.D.
 Craig, G. Y., B.Sc. Glas.
 Rutledge, H., B.Sc. Durh.
 Clark, W. J., B.Sc. Asst.

German and Teutonic Philol.

Mason, E. C., B.A. Oxon., M.A.
 Camb., Ph.D. Leipzig Prof.
 Barker, Marie L., Ph.D.

Research Fellow and
 Lectr.

Silber, Kathe, Ph.D. Berl. 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.

Thomson, Rev. J. G. S. S., M.A.,
 B.D. Oxon. Asst.

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.
 Herrero, B., LL.D. Madrid Asst.

History, v. also Comm., Div.

Pares, R., C.B.E., M.A. Oxon.
 Prof.

Lecturers

Balfour-Melville, E. W. M., M.A.
 Oxon., D.Litt.
 Horn, D. B., M.A., D.Litt.
 Hay, D., M.A. Oxon. (Mediaeval
 and Gen. European H.).
 Shepperson, G. A., M.A. Camb.
 Kiernan, V. G., M.A. Camb.
 4 Assts.

History, Ancient (Gk. and 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, E. G. F., M.A., LL.B.
 Asst.

Italian

Rossi, M. 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.

Lecturers

Etherington, I. M. H., B.A. Oxon.,
D.Sc.

Cossar, J., B.A., Ph.D. Camb.,
M.A.

Mott, J. L.

Palmer, D. G., M.A. Camb.

Brown, L. M., M.Sc. Brist., Ph.D.
St. And. (Tech. Maths.).

Mackenzie, G., B.Sc. St. And. and
Lond. (Tech. Maths.).

Lawley, D. N., M.A. Camb., D.Sc.
(Statistics).

Marshall, J. B., M.A., B.Sc. Asst.

Mathematics, Applied

Lecturers

Schlapp, R., Ph.D. Camb., M.A.

Nisbet, A., M.A.

Medicine and Surgery, v. *infra*

Mining

McAdam, R., B.Sc., Ph.D.
Hood Prof.

Music

Newman, S. T. M., M.A. Oxon.,
Mus.D. Durh., F.R.C.O.,

F.T.C.L. Reid Prof.

Lecturers

Grierson, Mary, Mus.Doc.

Gal, H., Mus.Dr. Vienna.

Fairbairn, J., Mus.Doc.

Natural History and Zoology

Ritchie, J., M.A., D.Sc. Aberd.
Prof.

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, H.

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

Hale, L. J., B.Sc. Lond.

Assistants

Douglas, R. I., B.Sc. Lond.

Kille, R. A., B.Sc. Lond.

Smyth, J. C., B.Sc., Ph.D.

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

Lecturers

Sinclair, W. A., O.B.E., M.A.

Fairweather, Rev. A. M., S.T.M
N.Y., M.A.

Assistants

Stewart, W. F. M., M.A.

Hinton, J. M. E. M., M.A.

Philosophy, Moral, v. also Psych.

Macmurray, J., M.C., M.A. Glas.,
M.A. Oxon. Prof

Lecturers

Bedford, E., B.A. Lond.

Heath, P., B.A. Oxon.

Assistants

Rankin, K. R., M.A.

Broadie, F., B.A. Oxon.

Kirkham, R. M., B.A. Oxon.

Murray, R. J. K., M.A.

Philosophy, Natural

Feather, N., B.A., Ph.D. Camb.,
B.Sc. Lond., F.R.S. Prof

Born, M., M.A. Camb., D.Sc.
Brist., Ph.D. Gött., F.R.S.

Tait Prof.

Dymond, E. G., M.A. Camb.

Reader.

Lecturers

Richardson, H. O. W., B.Sc.
Lond., Ph.D. Camb.

Childs, C. B., Ph.D. Birm.

Paton, J., M.A., B.Sc.

Ross, Marion A. S., M.A., Ph.D.

Kyles, J., M.A.

Dainty, J., M.A. Camb.

Sillitto, R. M., B.Sc.

Connor, R. D., B.Sc., Ph.D.

Kemp, C. N., B.Sc.

Miller, W., B.Sc., Ph.D. Lond.

Assistants

Campbell, C. G., M.A., B.Sc.

Pullar, J. D., B.Sc.

Stanesby, A. O., M.A. Camb.

Zajac, Barbara, B.Sc., Ph.D.

Ewan, G. T., B.Sc.

Phonetics

Lecturers

Abercrombie, D., B.A. Leeds.

Uldall, Elizabeth T., B.A. Col.,
M.A. Lond.

Physiology

Whitteridge, D., B.Sc., D.M. Oxon.
Prof.

Eggleton, P., D.Sc. Lond.

Reader.

Lecturers

Pickford, Mary, M.Sc. Lond.

Dewar, A. D., B.Sc., Ph.D. Lond.

Hebb, Catherine O., M.A. Dal.,
Ph.D. McG.

Mount, L. E., M.B., B.S. Lond.,
M.D., C.M. McG.

Watt, J. A., B.A. Oxon., M.B.,
Ch.B.

Balfour, W. E., B.Sc. Lond. Asst.

Pol. Econ., v. *Commercial Econ.*,
Hist.

Political Science

Nobbs, D., M.A. Camb. Lectr.

Psychology

Drever, J., M.A.

Prof.

Lecturers

Collins, Mary, M.A., B.Ed., Ph.D.

Semeonoff, B., M.A., B.Ed., Ph.D.

McKenzie, R. M., M.A.

Reid, R. D.

McMahon, D., M.A. Durh.

Assistants

Harrowes, W. M., M.B., Ch.B.,
M.D. Glas.

Phillips, Joyce, B.A.

Cookson, Joyce, M.A.

Shepherd, Alice C., B.Sc.

Naughton, J. A. L., M.C., B.Sc.,
M.B., Ch.B.

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

Lecturers

Gregor, Mary J. F., B.Sc., Ph.D.

Browne, Margaret, B.A. Lond.

Burns, 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, S. J., D.Sc. Durh., F.R.I.C.
Prof.

Lecturers

Gordon, J. Evans, B.Sc. Aberd.,
Ph.D.

Cunningham, J. M. M., B.Sc.

Hayes, S. F., B.Sc.

Holmes, J. C., B.Sc.

Knox, M. A., B.Sc.

Runcie, K. V., B.Sc.

Inglis, J. S. S., B.Sc.

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.

Lecturers

McHardy, J. W., B.Sc.

Guild, W. J., Ph.D. Lond., B.Sc.

Animal Genetics

Waddington, C. H., M.A., Sc.D.

Camb., F.R.S.

Prof.

Lecturers

Smith, A. D. B., C.B.E., M.A.,

B.Sc. Aberd., M.S.A. Iowa,

D.Sc.

Auerbach, Charlotte, Ph.D., D.Sc.

Beale, G. H., B.Sc., Ph.D. Lond.

Gordon, C., O.B.E., M.Sc. Cape T.,

Ph.D. Lond.

Clayton, Ruth M., B.A. Oxon.

Forestry

Anderson, M. L., M.C., M.A., D.Sc.

Prof.

Lecturers

Fergusson, D. C., B.Sc.

Harrison, J. L.

Osmaston, F. C., B.A. Oxon.

Fairbairn, W., D.Sc.

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. Penn-

sylvania, H.D.D., L.D.S.

Lectr.

Orthodontics

Johnston, Dorothy L., L.D.S.

Lectr.

Logan, W. R., O.B.E., H.D.D.,

L.D.S.

Asst.

Operative Dental Surgery

Baxendine, W. P., O.B.E., L.D.S.

Lectr.

Dental Mechanics and Prosthetics

Watt, D. M., H.D.D., 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.

Law

Administrative Law

M'Larty, M. R., M.A. Camb.

Lectr.

Evans, A. A. L., M.A., LL.B.

Asst.

Munro, H. G., M.A., LL.B.

Asst.

Civil Law

Fisher, M. G., K.C., M.A., LL.B.

Prof.

Crawford, J. A., M.A., 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

.....

Lectr.

International Private Law

.....

International Relations

Brierly, J. L., C.B.E., D.C.L.
Oxon., LL.M. Manc., Dr.
Juris Oslo, LL.D. Chic. Prof.

Public Law

Campbell, A. H., M.A., B.C.L.
Oxon., LL.M. Birm.

Reg. Prof.

Dick, J. A., M.C., M.A., LL.B.

Asst.

Scots Law

Montgomery, G. A., K.C., M.A.,
LL.B. Prof.

Lecturers

Maxwell, D., M.A., LL.B.
Taylor, R. R., M.A., LL.B., Ph.D.
Anderson, D. C., B.A., LL.B.
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.

Lecturers

Wright, Helen A., M.B., Ch.B.,
D.P.H.

Duguid, J. P., B.Sc., M.B., Ch.B.

MacCabe, A. F., M.B., Ch.B.,
D.P.H.

Dempster, G., B.Sc., M.B., Ch.B.

Wallace, A. T., M.B., Ch.B.

Cranfield, Joyce D., B.Sc.

Bowie, J. H., M.B., Ch.B.

Wilkinson, J. F., B.A. Camb.

Elias-Jones, T. F., M.B., Ch.B.

Edmunds, P. N., B.Sc., M.B.,
Ch.B.

Gould, J. C., B.Sc., M.B., Ch.B.

Ruebner, B., M.B., Ch.B.

Chemistry, Clinical

Stewart, C. P., M.Sc. Durh., Ph.D.
Reader.

Lecturers

Sims, F. H., M.Sc., M.B., Ch.B.
N.Z.

Tompsett, S. L., B.Sc. Lond.,
Ph.D., D.Sc. Glas., F.R.I.C.

Crombie, J. D., B.Sc., M.B., Ch.B.

Scandrett, F. J., B.Sc. Liv. Asst.

Owen, J. A., B.Sc., M.B., Ch.B.
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.

Lecturers

Thomson, J., M.B., Ch.B., M.D.,
D.P.H., D.C.H.

Lowdon, Glenys, M.B., Ch.B.

Boog-Watson, W. N., M.B., Ch.B.

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.

McCallum, D. I., M.B., Ch.B.,
D.P.H. Lectr.

Duthie, D. A., M.B., Ch.B. Asst.

Eye, Diseases of the, v. *infra*,
Clin. Teaching Staff

Forensic Medicine

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.

Lecturers

Vogt, Martha, Dr. Med., Dr. Phil.
Berlin, Ph.D. Camb.

Adam, H., M.B., Ch.B.

Crawford, T. B. B., B.Sc., Ph.D.

Stephenson, R. P., B.Sc. Birm.,
B.Sc. Oxon.

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.

Gilchrist, A. R., M.D., F.R.C.P.
(Clin. Cardiol.) Reader.

Senior Lecturers

Turner, R. W. D., M.A., M.D.
Camb.

Meiklejohn, A. P., M.A., B.Sc.,
D.M. Oxon. (Nutrition).

Duthie, J. J. R., M.B., Ch.B.
Aberd. (Rheumatology).

French, E. B., B.A., M.B., B.Ch.
Camb.

Strong, J. A., M.B.E., B.A., M.B.,
Ch.B.

Lecturers

Girdwood, R. H., M.B., Ch.B.,
F.R.C.P.Ed.

Robson, H. N., M.B., Ch.B.

Card, W. I., M.D. Lond., F.R.C.P.
Innes, J., M.D., F.R.C.P.Ed.

MacLeod, J. G., M.B., Ch.B.,
F.R.C.P.Ed.

Assistants

Clark, J. R., M.B., Ch.B.

Lindsay, Sheila T., B.Sc. Aberd.

Robson, J. S., M.D.

Carmichael, Kathleen M., M.B.,
Ch.B.

Collins, I. S., M.B., B.S.

Newall, J., M.B., Ch.B.

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.

Gillingham, F. J., M.B., B.S.,
F.R.C.S. Sr. Lectr.

Neurology, Clinical

Slater, J. K., O.B.E., M.D.,
F.R.C.P.Ed. Lectr.

Obstetrics and Gynæcology, v.
also *infra*, Clin. Teaching Staff

Kellar, R. J., M.B.E., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.P.Ed.,
F.R.C.O.G. Prof.

Senior Lecturers

Haultain, W. F. T., O.B.E., M.C.,
B.A., M.B., B.Ch., F.R.C.P.
Ed., F.R.C.S.Ed., F.R.C.O.G.

Duncan, A. S., D.S.C., M.B., Ch.B.,
F.R.C.S.Ed.

Lecturers

Matthew, G. D., M.B., Ch.B.,
F.R.C.S.Ed.

Anderson, A. F., B.Sc., M.B.,
F.R.C.S.

MacGregor, T. N., M.D.,
F.R.C.S.Ed.

(Gynæcol. Endocrinol.).

Assistants

Liston, W. A., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.O.G.
Hamilton, Hilary H. F., M.B.,
Ch.B.

Orthopædic Surgery

Mercer, W., M.B., Ch.B.,
F.R.C.S.Ed. Prof.
Jack, E. A., O.B.E., M.B., Ch.M.,
F.R.C.S.Ed. Lectr.

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.

Lecturers

Ogilvie, R. F., M.D., F.R.C.P.Ed.
Leitch, L. G., M.B., Ch.B.
Davidson, J., M.B., Ch.B.,
F.R.C.P.Ed.
Maclean, N., M.B., Ch.B.
MacGregor, Agnes R., M.D.,
F.R.C.P.Ed.
MacDonald, Mary K., M.B., Ch.B.
Rhaney, K., M.B., Ch.B.
Claireaux, A. E., M.B., Ch.B., M.D.
Bain, A., M.B., Ch.B.
Cunningham, A. W. B., M.B.,
Ch.B.

Psychiatry

Henderson, Sir David K., M.D.,
F.R.F.P.S.Glas. Prof.

Lecturers

Batchelor, I. R. C., M.B., Ch.B.
McAlister, W. M., O.B.E., M.A.,
M.D., F.R.C.P.Ed.

*Public Health and Social Medi-
cine*

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.

Lecturers

Scott, R., M.D., D.P.H.
Swanston, Catherine N., D.I.H.,
D.P.H. (Industrial Health).
Woolf, B., M.A., Ph.D. Camb.
(Medical Statistics).
Seiler, H. E., M.D. Glas.
Gammie, J. L., M.B., D.P.H.
Aberd.
Curran, E. J., M.B., B.Ch.
Hobson, B. M., B.Sc. Aberd.
Thomson, J. G., M.B., Ch.B. Glas.
Mansbridge, J. N., H.D.D.
Stein, Lilli, B.A. Camb.

Assistants

Paterson, J. E., M.A. Glas.
Hardwick, D. C., B.Sc. Lond.
Marshall, J. B., M.A.
Padfield, Gwen.

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 - Dia-
gnosis) Sr. Lectr.

Lecturers

M'Gibbon, J. P., M.D., D.P.H.,
D.M.R., F.R.C.P.Ed.
Murison, C. A., M.A. Aberd., Ph.D.
Lond. (Physics).

Surgery, v. also *infra*, Clin.
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Learmonth, Sir J. R., K.C.V.O.,
C.B.E., M.B., Ch.M. Glas.,
M.D. Oslo, F.R.C.S.Ed. (Sur-
gery and Clin. S.) Prof.
Gillies, J., M.B., F.R.C.S.Ed.
(Anæsthetics) Reader.
Lowdon, A. G. R., O.B.E., M.A.,
M.B., Ch.B., F.R.C.S.
Sr. Lectr.

Lecturers

Band, D., M.B., Ch.B., F.R.C.S.Ed.
(Urological S.).
Brown, J. J. M., M.B., Ch.B.,
F.R.C.S.Ed. (Pædiatric S.).

Wallace, A. B., M.Sc. McG., M.B.,
Ch.B., F.R.C.S.Ed.

(Plastic S.)

Logan, A., M.B., Ch.B. St. And.,
F.R.C.S.Ed. and Eng.

(Thoracic S.)

Bruce, J., M.B., Ch.B., F.R.C.S.Ed.

Millar, T. McW., M.B., Ch.B.,
F.R.C.S.Ed. Asst.

Therapeutics, v. also *infra*, Clin.
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M.D. Prof.

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Rolland, C. F., B.A. Camb., M.B.,
Ch.B.

Matthews, J. D., B.A., M.B., Ch.B.

Tropical Climates Diseases

Biggam, Sir A. G., K.B.E., C.B.,
M.D., F.R.C.P., F.R.C.P.Ed.

Sr. Lectr.

Tropical Hygiene

Curran, Lt.-Col. E. J., M.B., B.Ch.
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Tuberculosis

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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.

Clinical Teaching Staff

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Clinical Surgery

Surgeons

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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.

Assistant 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., O.B.E., 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.

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F.R.C.S.Ed.

Brownlee, T. J., M.B., Ch.B.,
F.R.C.S.Ed.

Falconer, C. D., M.B., Ch.B.,
F.R.C.S.Ed.

Macpherson, A. I. S., M.B., Ch.B.,
F.R.C.S.Ed.

Wilkinson, A. W., M.B., Ch.M.,
F.R.C.S.Ed.

Clinical Medicine

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D.Sc., 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.

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Slater, J. K., C.B.E., M.D.,
F.R.C.P.Ed.

Assistant Physicians

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.

Innes, J., M.D., F.R.C.P.Ed.

Senior Registrars

Branwood, A. W., M.D.,
F.R.C.P.Ed.

Girdwood, R. H., M.B., Ch.B.,
F.R.C.P.Ed.

Mattew, H. J. S., M.B., Ch.B.

*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 Gynæ-
cologists

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.

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.

Senior Registrars

Mackie, Joan E. W., M.B., Ch.B.

Noble, M. J. D., M.B., Ch.B.,
F.R.C.S.Ed.

Winchester, G., 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.

Assistant Surgeons

Scott, G. I., M.B., Ch.B.,
F.R.C.S.Ed.

Macaskill, J., M.B., Ch.B.,
F.R.C.S.Ed.

Senior Registrars

Moffat, R. C. E., M.B., Ch.B.

Paterson, M. W., M.A., M.B.,
Ch.B., F.R.C.S.Ed.

Smith, R. J. S., M.B., Ch.B.,
F.R.C.S.Ed.

Ear, Nose, Throat

Surgeons

Hall, I. S., M.B., Ch.B., F.R.C.S.Ed.

Stewart, J. P., M.D., F.R.C.S.Ed.

Assistant Surgeons

Smith, A. B., M.D., F.R.C.S.Ed.

Farquharson, I. M., M.B., Ch.B.,
F.R.C.S.Ed.

Lumsden, R. B., M.B., Ch.B.,
F.R.C.S.Ed.

Senior Registrars

McDowall, G. D., M.B., Ch.B.,
F.R.C.S.Ed.

Mitchell, J. F. O., M.D., D.L.O.

Young, I. S., M.B., Ch.B.,
F.R.C.S.Ed., D.L.O.

Dermatology

Physicians

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Percival, Prof. G. H., M.D., Ph.D.,
F.R.C.P.Ed., D.P.H.

Assistant Physicians

Peterkin, G. A. G., M.B., Ch.B.,
F.R.C.P.Ed.

Hannay, P. W., M.B., Ch.B.

Senior Registrars

Duthie, D. A., M.B., Ch.B.

McCallum, D. I., M.C., M.B.,
Ch.B., D.P.H.

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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.

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F.R.C.P.Ed.

Douglas, D. M., M.B., B.S.

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Craig, J. O., B.A., M.B., Ch.B.

Farquhar, J. W., M.B., Ch.B.

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.

Assistant 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.

Senior Registrar

Stewart, A. M., M.B., Ch.B.,
F.R.C.S.Ed.

Ear, Nose and Throat

Surgeon

Scott, C. E., M.B., Ch.B.,
F.R.C.S.Ed.

Assistant Surgeon

Birrell, J. F., M.D., F.R.C.S.Ed.

MUNICIPAL HOSPITALS—

Medical Unit

Physicians

Turner, R. W. D., M.A., M.D.

Card, W. I., M.D., F.R.C.P.

Assistant 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.

Duthie, J. J. R., M.B., Ch.B.

French, E. B., B.A., M.B., B.Ch.

Strong, J. A., M.B.E., B.A., M.B.,
B.Ch., B.A.O. Dub.

MacLeod, J. G., M.B., Ch.B.,
F.R.C.P.Ed.

Levin, E. J., M.D.

Senior Registrars

Clark, J. R., M.B., Ch.B.

Grant, I. W. B., M.B., Ch.B.

Guild, A. A., B.A., M.B., Ch.B.

Morton, E. V. B., M.B., Ch.B.

Warnock, G. B. R., M.B., Ch.B.,
F.R.C.S.

Wilson, J. M. G., M.A., M.B.,
B.Ch.

Surgical Unit

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 Surgeons

Slessor, A. J., M.B., Ch.B., F.R.C.S.

Tulloch, W. S., M.B., Ch.B.,
F.R.C.S.Ed.

Senior Registrars and Registrars

Falconer, C. W. A., M.B., Ch.B.,
F.R.C.S.Ed.

Smith, C. J. C., M.B., Ch.B.,
F.R.C.S.Ed.

Obstetrics and Gynæcology Unit

Obstetrician and Gynæcologist
Haultain, W. F. T., O.B.E.,
M.C., B.A., M.B., B.Ch.,
F.R.C.P.Ed., F.R.C.S.Ed.,
F.R.C.O.G.

Assistant 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.

Duncan, A. S., D.S.C., M.B., Ch.B.,
F.R.C.S.Ed.

Pædiatrics

Pædiatrician

Forfar, J. O., M.C., B.Sc., M.B.,
Ch.B.

Assistant Pædiatricians

Douglas, D. M., M.B., Ch.B.

Tait, H. P., M.D., F.R.C.P.Ed.

Gifford Lecturer in Nat. Theol.

Rev. Prof. C. E. Raven, D.D.

Romanes Lecturer

.....

Sharpey Schafer Memorial
Lecturer (Physiology), biennial

1951—Professor A. V. Hill, C.H.,
M.A., Sc.D., LL.D., F.R.S.,
University College, London.

Extra-mural Studies

Hossack, J., M.A., B.Com.

Director.

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M.A.; Asst. Sec., L. D. Macmillan, B.L.

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Faculty of Medicine, A. M. Gordon.

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Keeper of Manuscripts, C. P. Finlayson, M.A.

UNIVERSITY CHAPLAIN. Rev. D. H. C. Read, M.A., B.D.

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DIRECTOR OF STUDENT ACCOMMODATION AND WELFARE OFFICE: Diana C.
Matchett.

DIRECTOR OF PHYSICAL EDUCATION: Col. C. M. Usher, D.S.O., O.B.E.

UNIVERSITY ORGANIST. H. Bunney, B.Mus., F.R.C.O.

MASTER OF WORKS. J. Hamilton.

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Settlement, Miss Amelia M. Sinclair; Craigmillar Park Hostels, Miss E.
Elizabeth Looker, O.B.E., B.A.

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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. F. Philip.

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B.Sc. Edin., F.R.I.C., and 4 Lectrs. *Printing*, F. P. Restall and 4 Lectrs. In addition, 88 visiting lecturers and instructors.

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Staff: *Surg.*, W. M. Mitchell, M.C., T.D., B.Sc., M.B., Ch.B.; *Anat.*, T. Grahame, T.D., F.R.C.V.S.; *Vet. Hygiene and Preventive Medicine*, A. Robertson, M.A., B.Sc., Ph.D., F.R.I.C.; *Medicine and Pharmacol.*, G. F. Boddie, B.Sc.; *Bacteriol.*, A. C. W. Little; *Pathol.*, I. S. Beattie, B.Sc.; *Physiol.*, F. J. Elliott, M.Sc., Ph.D., F.R.I.C.; 22 Lectrs.; 10 External Teachers; 10 Assts.

ASSOCIATED COLLEGE, in which Univ. courses are provided.

THE EDINBURGH SCHOOL OF AGRICULTURE: EDINBURGH UNIVERSITY AND THE EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE, 13 George Square, Edinburgh, 8 (*Telegrams*: Rural, Edinburgh; *Telephone*: Edinburgh 42017). Principal: Prof. S. J. Watson, D.Sc., F.R.I.C.; Deputy Principal and Director of Studies: J. E. Gordon, B.Sc. (Agric.), B.Sc. (For.), Ph.D. *Agric. and Rural Econ.*, Prof., S. J. Watson, D.Sc., F.R.I.C.; Sr. Lectr., J. E. Gordon, B.Sc. (Agric.), B.Sc. (For.), Ph.D.; Lectrs., M. A. Knox, B.Sc., Agric. Dip. Oxon., K. V. Runcie, B.Sc., A. S. B. Wilson, B.Sc., J. M. M. Cunningham, B.Sc., J. C. Holmes, B.Sc., S. F. Hayes, B.Sc. (Hortic. Crops). *Agric. Econ. and Farm Accounting*, Hd. of Dept., D. Witney, B.Com.; Lectrs., J. D. Nutt, B.A., D. M. R. Leask, B.Sc.; Asst. Lectr., W. B. Duthie, B.Sc. *Agric. Engin., Surveying and Bldg. Construction*, Lectr., L. M. Walker, B.Sc.; Asst. Lectrs., A. Hardie, B.Sc., R. F. Norman, M.Sc. *Bacteriol.*, Hd. of Dept., T. Gibson, D.Sc.; Asst. Lectr., Agnes A. Nichols, M.Sc., Ph.D. *Beekeeping*, Lectr., J. Cunningham. *Botany*, Hd. of Dept., E. W. Fenton, M.A., D.Sc.; Lectr., E. W. Debney, B.Sc., Ph.D.; Asst. Lectr., Jane W. Graham, B.Sc. *Chem.*, Hd. of Dept., A. M. Smith, Ph.D., D.Sc., F.R.I.C.; Lectrs., F. E. Moon, M.Sc., Ph.D., J. M'Gillivray, A. Comrie, B.Sc., Ph.D., H. Tod, B.Sc., Ph.D. *Forestry*, Prof., E. P. Stebbing, M.A., and Lectrs. *Hortic.*, Sr. Lectr., G. M. Stuart, M.B.E.; Lectr., S. F. Hayes, B.Sc.; Demr., J. J. C. Black. *Vet. Science*, Lectrs., Prof. A. Robertson, M.A., B.Sc., Ph.D., F.R.I.C., and Assts. *Zoology*, Lectr., P. F. Kendall, B.Sc. 9 Specialist Advisory Officer Depts. (Bot. and Mycol., Bacteriol., Entomol., Economics, Chem., Vet. Science, Farm Buildings, Statistics, Bee-keeping); 1 Soil Analyst, 1 Spectrographic Analyst; 4 *Research Assts.* Extension Staff: *Regional Directors*, G. A. Catto, B.Sc., A. K. M. Meiklejohn, B.Sc.

GENERAL INFORMATION, v. also pp. 518 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 William Playfair, and completed in 1828. Newer buildings include the Medical Buildings (1883) and the McEwan Hall (1888-97), which holds 2600 and has a great electric organ; and "The King's Buildings" (commenced in 1920) for Chemistry and other Science Depts. The Medical School of this Univ. has been famous for over two centuries;

specially ample provision exists also for instruction and research in Theology (postgrad. school instituted 1919), Agric., For., Engin., Mining, and Vet Sc. Edinburgh is the seat of the Scottish Supreme Courts of Law.

LIBRARY, founded in 1580, about 550,000 vols., 4000 MSS., and 3000 Charters. The MSS. include the Laing MSS. (Scottish and miscellaneous), Laing Charters, 854-1837 (chiefly Scottish), Arabic and Persian MSS. The chief special book collections are the Drummond of Hawthornden (16th-cent. literature), Halliwell-Phillipps (Shakespeare), Lord Abercromby (Archæology, Ethnology), Blackie (Modern Greek), Bruce (Oceanography), Cameron, Mackinnon and Carmichael-Watson (Celtic), Hodgson (Economics), Berriedale Keith (Indian history and literature, and the Constitution of the British Empire). There is a good medical collection and a valuable Reid Music Library. There are published catalogues of *Printed Books* (3 vols., 1918-23), *Laing Charters* (1899), *Western Mediaeval MSS.* (1916), *Arabic and Persian MSS.* (1925) and *Music* (1941). **MUSEUMS**: Nat. Philos., Fine Art, Geol., Nat. Hist., Chem., Forestry, Agric., Entom. and Forest Zool. (Waterhouse collection of Coleoptera), Anat. (founded with the Monro collection in 1800; numerous specimens of Cetacea and human crania), Physiol., Mat. Med. (notable collections of medicinal and food substances, including those of Duncan and Christison), Forensic Med., Practice of Physic. Surg., Obst. (Simpson collection), Music and Musical Instruments. The Prof. of Botany is Regius Keeper of the *Royal Botanic Garden*; the Prof. of Astronomy is Astronomer Royal for Scotland and gives practical courses at the *Royal Observatory*. The **LABORATORIES** are especially well equipped for research in Anatomy, Anthropology, Bacteriology, Chemistry (the Labs. at King's Buildings, completed 1924, have accommodation for about 400 students), Zool., Mining, Engin. (notably Hydrs., Strength of Materials, Elec. Engin.), Mat. Med., Path., Physics, Physiol., 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. J. Orr (French), (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. 519 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.

Islamic Studies—open to grads. of the Univ. and to those who have reached a similar standard.

Public Health, Industrial Medicine (each 1 acad. yr.), Radio-diagnosis (18 mos.), Radiotherapy (2 yrs.), Trop. Med. and Hygiene (6 mos.)—open to grads. in Med. of the Univ. and others holding corresponding degrees or registrable qualifications.

Psychiatry—the course is in abeyance at present. New regulations are under consideration.

Technical Chemistry (1 yr.)—open to grads. of British or other approved Univs. who have taken a Science degree with Hons. in Chemistry.

Social Study (1 yr.)—open to grads. of British or other approved Univs. with certain restrictions as to subjects taken for degree. A Certificate (2 yrs.) is granted to those whose education is equivalent to Univ. Entrance standard.

A Health Visitor's Certificate is also granted (6 mos.) to registered nurses, who must hold the Central Midwives' Board certif. or sign an undertaking that they are willing to obtain this.

Certificate in Physical Training—open to matriculated students studying for a degree or diploma or engaged in postgraduate research who follow a prescribed course of training.

A Sister Tutor's Certificate is granted. Enquiries should be addressed to the Secretary, Royal College of Nursing, Scottish Board, 40 Melville Street, Edinburgh.

POSTGRADUATE TEACHING for Medical graduates is organized by the Edinburgh Postgraduate Board for Medicine. Particulars of courses, etc., may be obtained from the Director of Postgraduate Studies in Medicine, 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. 521-522). 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. 522). 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 Wardens, *see* "Administrative and other Staff," *supra*.) For men: Cowan House, George Square, accommodation for about 100 students, terms, £29 to £34 per term; Norway House, 37 Inverleith Place, accommodation for 26 students, terms, £3: 9s. to £3: 15s. per week; Salisbury Green, Dalkeith Road, accommodation for 43 students, terms, £2: 5s. per week; University residence for Midwifery Students, Chalmers Street, terms, £2: 15s. to £3 per week. For women: five hostels at Craigmillar Park, East Suffolk Road, £75 for the three terms; Masson Hall, 31 and 32 George Square and Annexes; Muir Hall, 12 George Square, £90 for the three terms; St. Leonard's House, Park Road, accommodation for about 43 students, terms, £2: 5s. per week. The University Settlement has study-bedrooms for 10 students (5 men and 5 women) at Cameron House, Prestonfield, terms, £2: 5s. per week. Six months' notice generally necessary.

There is a Franco-Scottish Society for advising and assisting French students in Scotland and Scottish students in France. It has local centres at Glas., Aberd., and Dundee.

EDINBURGH UNIV. CLUB OF LONDON. Secretary: Dr. Bruce Williamson, 40 Queen Anne Street, W.1.

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.

UNIVERSITY PRESS. The University Press was instituted by the Univ. Court in 1945 and is administered by a combined Committee of Court and *Senatus* which control the general policy and select MSS. for publication. Its main object, rendered possible by bequests applied for the purpose, is the

publication, in the best traditions of Scottish typography and book-production, of works of academic merit which cannot be produced on a commercial basis owing to their restricted appeal and may incur a loss; but the Committee are prepared to publish works of wider appeal, though still of literary merit, which will help to offset any such loss. Books published are advertised and sold by Messrs. Oliver and Boyd, Ltd., the sole agent for the Press.

UNIVERSITY TRAINING CORPS. The University Training Corps is organized in six Sub-units of the following arms: Artillery; Engineers; Electrical Engineers; Signallers; Intelligence; and Infantry. The primary object of the training is to develop leadership qualities in undergraduates whose military service has been deferred. Students are trained for direct commissions into the Regular Army as well as for commissioned rank in the Territorial Army and Reserve. The Contingent is fully equipped with arms and transport. There is also a thriving unit of the Women's Royal Army Corps with a similar objective of qualifying graduates to obtain commissions.

UNIVERSITY HEALTH SERVICE. The University provides facilities for routine medical examinations for each first-year student, and radiological examinations of chest for all students annually. It also provides a consultative and domiciliary medical service with special hospital facilities for the treatment of sick students. This dept. works in the closest liaison with the Student Accommodation and Welfare Office and the Physical Education Department.

UNIVERSITY ATHLETIC FACILITIES. Facilities exist for the playing of most games. Some games, however, are not played by students either because there are no facilities within the University or the games themselves do not make sufficient appeal—among these are real tennis, rackets, baseball, and ice hockey. All sections of the Athletic Club, of which Shinty is the oldest, are run by student committees. The Men's Athletic Club is distinct from the Women's Athletic Club. In addition, there is an up-to-date Dept. of Physical Education.

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. (all O.P.): 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 1949-50

BENEFACTIONS. A bequest by Dr. David Penman of £1000 to be called the Jessie Gordon Penman Bequest and to be used for research into the causes—or the prevention and cure—of cancer; a grant from Industrial Distributors (1926) Ltd., Johannesburg, to the extent of £500 p.a. for 3 yrs., to be made to the Res. Fund of the Physical Lab. under the direction of Prof. Born for assistance in investigating certain problems affecting their industry; a gift to the Reid Music Library from Mrs. S. S. Laurie, executor and trustee of the late Mrs. Niecks, of a large collection of books, musical scores, pamphlets and MS. articles from the library of the late Prof. Niecks; a gift from I.C.I. Ltd.

of a spectrometer and a centrifuge to the Dept. of Chem. and a quantity of res. apparatus to the Dept. of Organic Chem.; a gift from Miss A. Amy Turner, daughter of the late Principal Sir William Turner, of eleven prints of old Edinburgh; a grant by Messrs. Mersons (Sutures) Ltd. of approx. £750 p.a. for 3 yrs. for the establishment of a Fellowship, for the experimental study of ligatures and sutures, to be known as the Ethicon Res. Fellowship; a gift from Mr. Martin Flett, London, of a MS. autobiography of his father, the late Sir John Smith Flett, F.R.S., sometime Director of the Geological Survey, covering the period of his student days at Edinburgh Univ., 1886-94; a donation from Mrs. Hutchison, Doune, of a MS. commonplace book of James Ferguson, F.R.S., entitled *Tables and Tracts relative to various Arts and Sciences*, 1771; a gift from the Royal Victoria Hospital Tuberculosis Trust of the farm of Gracemount, Edinburgh, and of the tenancy of the farm of Langhills, Midlothian.

HONORARY DEGREES. *D.D.*—Rev. R. E. McIntyre, Minister of Morningside High Church, Edinburgh; Rev. W. G. D. MacLennan, Minister of Bearsden North Church, Glasgow; Rev. J. T. McNeill, Professor of Church History, Union Theological Seminary, New York, U.S.A.; Right Rev. K. C. H. Warner, Bishop of the Scottish Episcopal Church in Edinburgh. *LL.D.*—E. N. da C. Andrade, Director of the Royal Institution; R. Birley, Head Master of Eton College; Sir Marshall Millar Craig, lately Legal Secretary to the Lord Advocate and Parliamentary Draftsman for Scotland; H. J. Fleure, Prof. Emeritus of Geog., Univ. of Manchester; R. W. Johnstone, Prof. Emeritus of Midwifery and Diseases of Women, Univ. of Edinburgh; General Sir William D. Morgan, lately Military Member of the British Joint Services Mission, Washington, Supreme Allied Commander Mediterranean Theatre, 1945-47; Right Hon. Sir Andrew Murray, Lord Provost of the City of Edinburgh; Sir Edward Salisbury, Vice-President, Royal Society, Director of the Royal Botanic Gardens, Kew; J. Dover Wilson, Hon. Fellow of Gonville and Caius College, Cambridge, formerly Regius Prof. of Rhetoric and English Lit., Univ. of Edinburgh. *M.A.*—Rev. T. C. Young, Missionary and Anthropologist.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	975	4042
Women	208	1560
Total	1183	5602

Included in the above are 242 postgraduate students and 1142 first-year admissions.

DEGREES. B.D., 12 (m.), 1 (w.); M.A. (Ord.), 149 (m.), 135 (w.); M.A. (Hons.), 146 (m.), 76 (w.); B.Com., 41 (m.), 9 (w.); B.Ed., 7 (m.), 2 (w.); B.L., 31 (m.), 3 (w.); LL.B., 32 (m.), 8 (w.); B.Sc., Pure (Ord.), 42 (m.), 17 (w.); (Hons.), 50 (m.), 10 (w.); B.Sc. Engin. (Ord.), 36 (m.), Hons., 20 (m.); B.Sc. Agric. (Ord.), 27 (m.); (Hons.), 1 (m.); B.Sc. Forestry (Ord.), 35 (m.); B.Sc. Vet. Sc., 25 (m.), 2 (w.); B.Sc. Mining (Hons.), 1 (m.); B.Sc. Tech. Chem. (Hons.), 5 (m.); D.Sc. Pure, 3 (m.), 1 (w.); M.B., Ch.B., 159 (m.), 55 (w.); M.D., 24 (m.), 7 (w.); Mus.Bac., 3 (m.), 7 (w.); Ph.D. Arts, 12 (m.); Ph.D. Science, 31 (m.), 5 (w.); Ph.D. Medicine, 2 (m.); Ph.D. Divinity, 12 (m.).

DIPLOMAS. D.P.H., 9 (m.), 3 (w.); D.T.M. & H., 6 (m.); D.M.R., 12 (m.); Sister Tutor Cert., 23 (w.); Dip. Educn., 36 (m.), 32 (w.); Dip. Social Study, 5 (m.), 12 (w.); Dip. Rur. Sc., 2 (m.); Dip. in Admin. Law and Practice, 5 (m.), 1 (w.); Dip. in English Studies, 4 (m.), 1 (w.); Dip. in Anim. Genetics, 6 (m.); Cert. Physical Prof., 24 (m.), 12 (w.); Cert. Social Study, 5 (m.), 35 (w.); Cert. Psychiatric Social Work, 11 (w.); Cert. Pub. Admin., 8 (m.), 1 (w.).

UNIVERSITY OF GLASGOW*

Founded 1451

Telephone: Glasgow, Kelvin 2231.

CHANCELLOR—Rt. Hon. LORD BOYD ORR OF BRECHIN, D.S.O., M.C.,
M.A., M.D., D.Sc., LL.D., F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—Sir HECTOR HETHERINGTON,
K.B.E., D.L., LL.D. Glas., Liv., St. And., Princet., Camb., Sheff.,
Wales, D.Litt. McG., M.A.

RECTOR—JOHN M. MACCORMICK, M.A., LL.D.

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.—R. O.
MACKENNA, M.A.

CLERK OF THE GENERAL COUNCIL—D. M. HUTCHISON, LL.B.

TEACHING STAFF

Accountancy

Browning, R., M.A., LL.B. Prof.
Forbes, R. H. Asst.
Flint, D., M.A., B.L. Asst.

Young, A, M.A. Camb., M.B.

Mitchell, R., M.A., M.B.

Warbrick, J. G., M.B. Liv.

Hutchison, J., M.B.

9 Assistants.

African Studies

Price, T., M.A., Ed.B. Lectr.

Agriculture, v. *infra*, West of
Scotland Coll. of Agr.

Ancient History

Burn, A. R., M.A. Oxon.

Sr. Lectr.

Arabic

Bishop, Rev. E. F. F., M.A. Camb.

Sr. Lectr.

Anatomy

Wyburn, G. M., M.B., D.Sc.
Reg. Prof.

Bacsich, P., M.D. Szeged., D.Sc.
(Embryol.) Sr. Lectr.

Scothorne, R. J., B.Sc., M.B.
Leeds Sr. Lectr.

Lecturers

Walker, J. Z., M.B.

Connell, W. K., M.B.

Astronomy

Smart, W. M., M.A. Glas. and
Camb., D.Sc., F.R.A.S.

Reg. Prof.

Lecturers

Tannahill, T. R., M.A., B.Sc.,
Ph.D.

Sweet, P. A., M.A. Camb.

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

Biblical Studies

Craig, Rev. A. C., M.C., M.A.,
D.D. Edin. Lectr.

Biochemistry, v. Med.—Pathol.
Biochem.

Botany

Walton, J., M.A., Sc.D. Camb.,
D.Sc. Manc., LL.D.

Reg. Prof.

Williams, S., M.Sc. Manc., Ph.D.,
D.Sc. Sr. Lectr.

Bond, G., Ph.D., D.Sc.
Sr. Lectr.

Lecturers

Case, Isobel M., M.A., B.Sc., Ph.D.

Hutchinson, S. A., B.Sc., Ph.D.

Brist.

Conway, Elsie, B.Sc., Ph.D. Liv.

Crundwell, A. C., B.A. Oxon.

Fletcher, W. W., B.Sc.

Korf, R. P., Ph.D. Corn.

Temp. Lectr.

Assistants

Ribbons, B. W., B.Sc. Lond.

Berrie, A. M. M., B.Sc.

Gentles, J. C., B.Sc.

Celtic

Lecturers

Matheson, A., M.A. Edin.

Thomson, D. S., M.A. Aberd.

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.

Senior 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).

Tucker, S. H., M.A. Oxon., D.Sc.,
Ph.D. Lond., F.R.I.C.

(Org. Chem.).

Mitchell, S. T. R., D.Sc., Ph.D.

(Physical Chem.).

Lecturers

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.

Buchanan, C., B.Sc., Ph.D.

Brand, J. C. D., M.Sc., Ph.D.
Lond.

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

Storrie, F. R., B.Sc., Ph.D.

Loudon, J. D., Ph.D., D.Sc.

Robertson, J., B.Sc.

M'Alpine, Irene M., B.Sc., Ph.D.

Thomson, G., 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. Dresden.

Assistants

Blance, R. B., B.Sc.

Donaldson, D. M., B.Sc.

Dunsmore, Helen S., B.Sc.

Gibb, A. R. M., B.Sc.

Hunter, L., B.Sc.

Horning, W. C., B.A. Tor.

.....

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.

.....

Chalk, H. H. O., M.A.

Classics : Latin, v. also Philol.

Fordyce, C. J., M.A. Glas. and Oxon. (Humanity) Prof.

Lecturers

McGlynn, P., K.S.G., M.A., D.Litt.

Way, J. A. H., M.A. Oxon.

Campbell, I. M., M.A. Glas. and Oxon. (Comp. Philol.).

Dilke, O. A. W., M.A.

Treloar, A., M.A. Melb., B.A. Oxon.

Assistants

Squire, S. G., M.A. Camb.

Noyce, Enid R. M., B.A. Oxon.

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, Rev. I., M.A., B.D. Edin.

(Systematic Theol.) Prof.

Mechie, Rev. S., M.A. (Church Hist.) Lectr.

Economics, v. Pol. & Social Econ.*Education*

Nisbet, S. D., M.A., B.Ed. Edin. Prof.

..... Lectr.
Clark, Margaret M., M.A., Ed.B. Res. Asst.

Embryology, v. Anat.*Engineering*, v. *infra**English Language and Literature*

Alexander, P., M.A., F.B.A. Reg. Prof.

Davis, N., M.A. Oxon. and N.Z. (Eng. Lang.) Prof.

Purser, J. W. R., B.A. Dub. Sr. Lectr.

Lecturers

Livingstone, T. C., M.A.

Bryce, J. C., B.A. Lond., M.A.

Arnott, J. F., B.Litt. Oxon., M.A.

Buchan, Hannah A., B.Litt. Oxon., M.A.

Farish, J., M.A.

Morgan, E. G., M.A.

Rillie, J. A. M., M.A.

Blakeley, L., M.A. Birm., Ph.D.

Salter, C. H., M.A. Oxon.

Assistants

Harlow, C. G., B.A. Oxon.

Drew, K. P. A., B.A. Oxon.

Honigmann, E. A. J., B.Litt. Oxon., M.A.

Tutor

Davies, Sarah, M.A. Wales, Ph.D. Lond.

French

Boase, A. M., M.A. Oxon., Ph.D. Camb. Prof.

Anderson, N. C., L. ès L. Nancy, M.A. Sr. Lectr.

Hackett, C. A., M.A. Camb., D. de l'U. Paris Sr. Lectr.

Lecturers

Haggis, D., B.A. Lond., Ph.D.

Classe, A., L. ès L. Paris, D.Litt.

Jones, S., M.A. Wales, Ph.D.

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.

Saunders, H. R., M.A.

Assistants

Short, J. P., B.A. Dub.

Jacobs, Olive, B.A., B.Litt. Oxon.

Barbier, C. P., B.A. Leeds.

Whitaker, S. F., B.A. Oxon.

Paterson, Elizabeth A., M.A.

Genetics

Pontecorvo, G., Dr.Agr. Pisa, Ph.D. Edin. Sr. Lectr.

Roper, J. A., B.Sc., Ph.D. Lectr.

Bevan, E. A., B.Sc. Wales Asst.
Cleat, N. D., B.Sc. Edin. Asst.

Assistants
Gardner, W. R. W., M.A.
Schatzky, Brigitte E., M.A. Lond.

Geography

Stevens, A., M.A., B.Sc. Prof.
Lecturers

Fairhurst, H., M.A. Liv., Ph.D.
Halstead, C. A., B.Sc. Lond.
Hinchliffe, O., B.A. Leeds.
Moisley, H. A., M.Sc.

Assistants

Morgan, W. B., B.A. Oxon.
Henning, Dorothy V., M.A. Dub.,
M.Sc.
Fullerton, B., B.A. Lond.

Geology

George, T. N., D.Sc. Wales, Ph.D.
Camb. Prof.

Weir, J., M.A., Ph.D., D.Sc. Sr. Lectr.
King, B. C., Ph.D. Lond., D.Sc. Sr. Lectr.

Lecturers

Currie, Ethel D., Ph.D., D.Sc.
Holgate, N., M.Sc., Ph.D. Manc.
Williams, A., B.Sc., Ph.D.
Boyd, D. M., B.Sc.

Hon. Research Fellow

Tyrrell, G. W., D.Sc.

Assistants

Latham, Mary H., M.A.
Honeyman, A. M., M.A., B.Sc.
Asst. and Baxter Demr.
Oswald, D. H., M.A. Oxon.

.....

German

Clark, J. M., M.A. Lond., Ph.D.
Heidelberg
William Jacks Prof.

Lecturers

Betteridge, H. T., M.A. Birm.,
Ph.D. Lond.
Guder, G., Ph.D. Edin.
Rodger, Gillian B. B., M.A.

Hebrew and Semitic Langs.

Mullo Weir, Rev. C. J., M.A.,
B.D. Edin., D.Phil. Oxon.

Prof.

Mauchline, Rev. J., D.D. Edin.,
M.A. (O.T. Lang. and Lit.)

Prof.

Anderson, Rev. H., M.A., B.D.,
Ph.D.

Asst.

Wiard, Rev. H. D., B.A. Asst.

History, v. also Div., Law, Pol.
Econ.

Browning, A., M.A. Glas. and
Oxon., D.Litt. Prof.

Mackie, J. D., C.B.E., M.C., M.A.
Oxon., LL.D. St. And. (Scot-
tish H.) Prof.

Chrimes, S. B., M.A., Ph.D.
Camb. (Const. Hist.) Reader.

Stones, E. L. G., M.A. Glas. and
Oxon. Sr. Lectr.

Lecturers

Wright, E., B.A. Durh., M.A. Vir-
ginia.

Corlett, J. F. R., B.A. Liv.

Pryde, G. S., M.A., Ph.D. St. And.
(Scottish H.).

James, R. I., M.A. Oxon.

Chandaman, C. D., B.A. Lond.

Tumelty, J. J., B.A. Durh.

.....

Assistants

Barker, E. E., B.A. Lond.

Jones, P. J., B.A.

Cheyne, A. C., M.A. Edin.

History of Fine Arts

Young, A. M. Lectr.

History of Painting

Honeyman, T. J., M.B., F.R.F.P.S.
Glas. 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. Miranda Asst.

*Law, v. infra**Logic and Rhetoric*

Campbell, C. A., M.A., D.Lit.,
Belf. Prof.

*Lecturers**

Brown, G., T.D., M.A. Edin.
Levett, Margaret J., M.A. Oxon.
Hirst, R. J., M.A. Oxon.
Russell, J. J., M.A.
Toms, E., B.Sc. Lond., B.A.,
B.Phil. Oxon.

Mathematics

MacRobert, T. M., M.A., D.Sc.
Prof.

Senior Lecturers

Arthur, W., M.C., M.A. (Eng.
Students).

Robb, R. A., M.S. 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.
Lecturers

Martin, D., M.A., B.Sc., Ph.D.
McHarg, Elizabeth A., M.A., Ph.D.

Silvey, S. D., M.A.

Donaldson, W. A., M.A.

Assistants

Hodge, J. L., M.A.

Campbell, M. E. M., M.A.

Howatson, G. C. R., B.Sc.

Nicholson, Anne E., M.A.

Campbell, A., B.Sc.

Bell, Ivy B., M.A.

Robertson, A. D., M.A.

Dixon, Mrs. Elizabeth, B.Sc.

Medicine and Surgery, v. infra

Metallurgy, etc., v. infra, Royal
Tech. Coll.

Mining

Hibberd, G., Ph.D. Dixon Prof.

Music

Bullock, Sir Ernest, C.V.O., D.Mus.
Durh. Gardiner Prof.

Rimmer, F. W., Mus.Bac., B.A.
Cramb Lectr.

*Naval Archit., including Marine
Engin., v. also infra*, Royal
Tech. Coll.

Robb, A. M., D.Sc.
John Elder Prof.
Livingstone, M. Lectr.

Norse Studies

Halvorsen, E. F., Cand. Phil.
Oslo Lectr.

Philology, Comp. (Classical)

Campbell, I. M., M.A. Glas. and
Oxon. Lectr.

Philology, Romance

Ullmann, S. de., Ph.D. Budapest,
D.Litt. Lectr.

Hope, T. E., D.S.C., M.A. Oxon.
Asst.

*Philosophy, Moral, v. also Logic
and Psychol.*

MacLagan, W. G., M.A. Oxon.,
Ph.D. Edin. Prof.

Lecturers

Phillips, I. W., M.A.

Raphael, D. D., M.A., D.Phil.
Oxon.

Cassirer, H. W., Ph.D.

Dickie, J. S., M.A., B.Sc.

Dawson, J. G., B.A.

Leclerc, I., M.A., Ph.D.

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.

Lecturers

Cochrane, C., M.A., B.Sc.

- M'Farlane, W., M.A., D.Sc., F.Inst.P. Wishart, G. M., M.D., B.Sc., F.R.F.P.S.Glas.
 Gray, R. C., M.A., D.Sc. Prof. of App. Physiol.
 Younger, A. J., M.A., B.Sc. and Dean of Faculty.
 Curran, S. C., M.A., B.Sc., Ph.D. Lecturers
 Glas. and Camb., D.Sc.
 Atkinson, J. R., M.A. Camb.
 Rhoderick, E. H., M.A. Oxon., Ph.D. Camb.
 Lewis, G. M., M.Sc. Wales.
 McNeill, J., M.A.
 Reid, J. M., M.A.
 Giles, R., B.Sc.
 Touschek, B. F. X., Dipl. Phys. Gött., Ph.D.
 Rae, E. R., M.A., Ph.D.
 Grant, P. J., M.A., Ph.D. Camb.
 Muirhead, W. R. H. F., B.Sc. Brist.
 Wyllie, G. A. P., Ph.D. Brist., B.Sc.

Assistants

- Insch, G. M., B.Sc. St. And.
 Dixon, D., B.Sc.

Physiological Chem.

- Davidson, J. N., M.D. Edin., D.Sc. Gardiner Prof.

Lecturers

- Munro, H. N., B.Sc., M.B.
 Mills, G. T., B.Sc., Ph.D. Liv.
 Smith, J. A. B., D.Sc. Lond., Ph.D. Birm.
 Hutchison, W. C., B.Sc., Ph.D. Edin.

- Leaf, G., M.Sc. Manc., Ph.D.
 Dawes, E. A., B.Sc., Ph.D. Leeds.

Assistants

- Smellie, R. M. S., B.Sc. St. And.
 Frazer, S. C., M.B., B.Sc.
 McIndoe, W. M., B.Sc.
 Crosbie, G. W., B.Sc., Ph.D.
 Smith, Evelyn E. B., B.Sc.

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.

- Garven, H. S. D., B.Sc., M.D.
 Sloan, A. W., B.Sc., M.B.

. (Domesticated Animals).

- Campbell, F. W., M.B.
 Morrison, S. D., B.Sc. St. And.
 Ferguson, I. D., M.B.

Assistants

- Gairns, F. W.
 Durnin, J. V. G. A., M.A., M.B. Aberd.
 Hale, A. J., M.B.

Political Economy

- Macfie, A. L., LL.B., D.Litt. Prof. Lecturers

- Black, D., M.A., Ph.D.
 Buyers, J. A., M.A. (Econ. Hist.)
 Campbell, A. D., M.A.
 Meek, R. L., LL.M. N.Z., Ph.D.
 Gillespie, Sarah C., M.A.
 Sleeman, J. F., M.A. St. And.
 Bell, J. D. M., M.A. Oxon.

Assistants

- Munro, H. C., M.A.
 Wilkinson, J. W., M.A.

Political Science

- Warrender, J. H., M.A. Oxon. Lectr.

- Stevenson, H. N. C., O.B.E., B.Litt. Camb. (Soc. Anthropol.)

Lectr.

- Craig, J. T., M.A. Asst.

Psychology

- Pickford, R. W., M.A., Ph.D. Sr. Lectr.
 Camb., D.Litt.

- Gardner, P. A. D., M.A., B.Sc., Ed.B., LL.B. Lectr.

Barbu, Z., Ph.D. Cluj Lectr.
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.

Assistants
Birkett, Natalia Y.
Caird, Shiena N.

Scottish Literature

Scott, A. M., M.C., M.A. Aberd.
Lectr.

Slavonic and Eastern European Languages

Lecturers
Soukup, L., Th.B. Prague, Ph.D.
Edin. (Czechoslovakian).
Westfal, S. S., M.A. Warsaw
(Polish).

Social and Economic Institutions, Soviet

Lecturers
Miller, J., M.A. Sheff.
Schlesinger, R. J. A., Dr. rer. pol.
Vienna, Ph.D. Lond.

Social and Economic Research

Cairncross, A. K., C.M.G., Ph.D.
Camb., M.A. (Appl. Econ.)
Prof.

Lecturers
Leser, C. E. V., D.Phil. Zür.,
M.Sc. Lond.
Bell, J. D. M., B.A. Oxon.
(Research Staff).
Baird, R., M.A., LL.B.
Highest, J., D.Phil. Oxon., M.A.

Social Study

Phillips, I. W., M.A. Director.
Cleveland, Agnes R., B.A. Lond.
Tutor.

Spanish

Atkinson, W. C., M.A. Belf.
Stevenson Prof.

Lecturers

M'Clelland, Ivy L., M.A. Liv.
Metford, J. C. J., M.A. Liv.
Alba, M. S. Asst.

Theology, v. Divinity

Veterinary Studies

Weipers, Prof. W. L., D.V.S.M.
Edin. Director.
Emslie, J. W., B.Sc. (Pathol.)
Prof.

Jennings, S. (Surg.) Sr. Lectr.
Lecturers

Abbott, S. G., M.B.E., D.V.S.M.
Edin.

Thomson, A.
Lauder, I. M.
Martin, W. B.
Smith, Mrs. Helen J. (Anat.).
McCallum, F. J. (Anat.).
Nicolson, N. (Hygiene).
Campbell, D. (Hygiene).
Dykes, G. (Med.).
McCance, C. M. (Med.).
O'Sullivan, J. G. (Pathol.).
Urquhart, G. M. (Pathol.).
Campbell, R. S. F. (Pathol.).
Michna, S. W. (Pathol.).
Aitken, R. N. C. (Histol. and
Embryol.).

Lawson, D. D. (Surgery).
MacDonald, Flora E. F. (Anat.).

Assistants

Watrach, A. M. (Bacteriol.).
Gordon, Edith D.
Walls, Janet N., B.Sc. (Bacteriol.).
Hadek, R., Vet.Dip. (Histol.).
Black, J. W., M.B. (Exper.
Physiol.).

Zoology

Yonge, C. M., Ph.D., D.Sc. Edin.,
F.R.S. Reg. Prof.

Lowenstein, O., Ph.D. Birm.,
Dr.phil. Munich Sr. Lectr.

Slack, H. D., B.Sc. Lond., Ph.D.
Edin. Sr. Lectr.

Lecturers

Jepps, Margaret W., M.A. Camb.
D.Sc.

Miller, Agnes E., M.A.

Downes, J. A., B.Sc. Lond.
(Entomol.).

Brian, M. V., M.A. Camb.
(Entomol.).

Robertson, J. D., Ph.D. Camb.,
B.Sc.

Crowson, R. A., B.Sc. Lond.

Steedman, H. F., B.Sc., Ph.D.
Brist.

Hill, A. R., B.Sc., Ph.D. (Agric.).

Hopkins, C. A., B.Sc. Leeds (Vet.).

Assistants

Lawson, J. W. H., B.Sc. Lond.

Hunter, W. R., B.Sc.

Badcock, Ruth M., M.Sc. Liv.

Drummond, Enid W., M.Sc. Liv.

Cook, Paula M., B.Sc. Lond.

Smith, I. C., B.Sc. Reading.

Clark, R. B., B.Sc.

Owen, G., B.Sc.

Stell, G., B.Sc.

Clarke, A. S., B.Sc.

Cowey, J. B., B.A.

Dentistry

Aitchison, J., L.D.S., H.D.D.
Prof. and Director.

Lecturers

Gibson, W. M., M.B., L.D.S.

Ireland, J., L.D.S.

McNeill, C. K., L.D.S.

MacNaughton, I. T., L.D.S.

Masterton, J. B., B.D.S., L.D.S.,
H.D.D.

Thomson, J. C., L.D.S.

Drummond, F. A. B., L.D.S.

Findlay, J., L.D.S.

Noble, H. W., L.D.S., H.D.D.

MacGilvray, D. Tutor.

Engineering

v. also Naval Archit., Mining

Small, J., D.Sc., Ph.D.
(Mech. Engin.)
James Watt Prof.

Geyer, E. W., B.Sc., Ph.D.

Sr. Lectr.

Lecturers

Cameron, E. R., B.Sc.

Chalmers, T. M., B.Sc.

Bruges, E. A., B.Sc.

Barr, J., B.Sc.

Simpson, F. M., B.Sc.

Donaldson, R., M.Sc.Tech. Manc.

Assistants

Taylor, W. L., B.Sc.

Mackie, W. W., B.Sc.

Fair, E. J., B.Sc.

Engin., Civil and Mech.

..... Reg. Prof.

Keown, J. E., B.Sc., Ph.D. (Draw-
ing and Design) Sr. Lectr.

Orr, J., B.Sc., Ph.D. Sr. Lectr.

Lecturers

Morrison, J. C., B.Sc., Ph.D.

Paling, V. R., B.Sc.

Thom, A. S., B.Sc., Ph.D.

Morrison, D., B.Sc.

Sutherland, H. B., S.M. Harv.

Corry, J. S., B.Sc. Lond.

Assistants

Macintyre, J. S., B.Sc.

Howie, T. G., B.Sc.

Engineering, Electrical

Hague, B., D.Sc. Lond., Ph.D.

James Watt Prof.

Lecturers

Scobie, J., B.Sc.

Small, A. J., B.Sc., Ph.D.

Parton, J. E., B.Sc., Ph.D. Birm.

Gordon, D. S., B.Sc. Edin.

Cruickshank, A. J. O., B.Sc. St.

And.

Sutherland, W. D., B.Sc. Edin.

Czarniecki, F. K., M.Sc. Warsaw,
Ph.D. Edin. Asst.

Engineering Production

..... Lectr.

Law

Gibb, A. D., M.B.E., K.C., M.A.,
LL.B. Reg. Prof.
Baird-Smith, J. H., B.A. Oxon.,
LL.B. Lectr.
France, K. R., M.B.E., T.D., 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.D.
Lectr.
Barclay, R. H., B.A. Camb.,
LL.B. Asst.

Const. Law and Hist.

Philip, G., M.A., LL.B. Lectr.
Murdoch, J. D., M.A., LL.B. Asst.

Conveyancing

McLeish, D. A. S., LL.B. Prof.
Aitken, A., M.A., LL.B. Asst.
Donaldson, A. K., B.L. Asst.

Evidence and Procedure

MacDonald, R., B.L. Edin. Lectr.
MacRae, W., M.A., LL.B. Asst.

International Private Law

Donaldson, A., M.A., LL.B. Lect.
Bain, N. B., B.L. Asst.

International Law, Public

Neil, J. C., M.A., LL.B. Lectr.
Macdonald, Isabel L., M.A., B.L.
Asst.

Jurisprudence, General

M'Intosh, H., M.C., M.A., LL.B.
Lectr.
Dickson, L. E., M.C., B.A. Camb.,
LL.B. Asst.

Mercantile Law

Boyd, J., M.A., LL.B. Prof.
Assistants
Carruthers, J. D., M.A., LL.B.
Wright, T. G., M.C., M.A., LL.B.

Tutor

Campbell, R. M., M.A., LL.B.

Medicine

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

*Anæsthetics***Lecturers**

Tindal, A., M.B.
Pinkerton, H. H., M.B.
Keir-Fisher, D., L.D.S.

Bacteriology

Howie, J. W., M.D. Aberd.
Gardiner Prof.
Lominski, I. R. W., M.D. Cracow
Sr. Lectr.

Lecturers

Kyles, W. B., M.B.
O'Hea, A. J., M.B.
Roberts, G. B. S., B.Sc., M.B.
Ives, J. C. J., M.B. Edin.
Assistants
Calver, Kathleen M., B.Sc., Ph.D.
Harper, Elizabeth M., B.Sc.

*Dermatology***Lecturers**

Harvey, G., M.B.
Smith, Mary S., M.D.
Sommerville, J., M.B.

Ear, Throat and Nose, Diseases of
Lecturers

Young, G., M.C., M.B.
Young, S., M.B.
Macartney, W. C., V.R.D., M.B.
Connal, E. A. M., M.B.
Watson, R. J., M.C., M.B.
Strang, A., M.B.
Land, F. T., M.B.

Eye, Diseases of the

Riddell, W. J. B., M.D., F.R.F.P.S.
Tennent Prof.

Lecturers

Conway, J. A. J., D.S.O., M.C.,
M.D.
Marshall, J., M.C., T.D., M.B.

Meighan, S. S., B.Sc., M.B.
 Steel, Janet F., M.B.
 Tennant, J. N., B.Sc. Lond., M.B.
 White, J. P., M.B.

Assistants

Leishman, R., M.D.
 Wilson, Alison E., M.B.
 McLean, C. M., M.B.

Forensic Medicine

Glaister, J., J.P., D.Sc., M.D.,
 F.R.F.P.S.Glas. Reg. Prof.

Lecturers

Imrie, J. A., M.D., F.R.C.S.Ed.
 Rentoul, E., M.B.E., M.B., M.A.,
 LL.B.

Infancy and Childhood, Dis. of

Graham, S. G., M.D. Tor.,
 F.R.F.P.S.Glas., F.R.C.P.Ed.
 Samson Gemmell Prof.

Wattie, Nora I., M.B. Aberd.
 Hon. Lectr.
 Hutchison, J. H., O.B.E., M.D.
 Gow Lectr.

Shanks, R. A., M.D. 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.

Ford, F. J., M.D., F.R.F.P.S.Glas.
 Asst.

Giles, Margaret D., M.D. Asst.

Infectious Diseases

Anderson, T., M.D. Reader

*Materia Medica, v. also Med.,
 Clin.*

Alstead, S., M.D. Liv. Reg. Prof.
 Sr. Lectr.

Lecturers

Slessor, A., M.B., F.R.F.P.S.Glas.
 Lazarus, S., M.D.
 Hebbert, F. J., M.D.
 Macarthur, J. G., M.C., M.B.
 Aberd.

Assistants

Hillis, B. R., M.B.
 Rankin, J., M.D. Wisc., M.B.
 Fulton, W. F. M., B.Sc., M.B.

Medical Jurisprudence

Allison, A., B.Sc., M.B., D.P.H.
 Lectr.

Medical Radiology

Lecturers

Walker, J. Z., M.B.
 Park, S. D. S., M.B.

Medicine

Davis, L. J., M.D. Edin., F.R.C.P.
 Lond. and Edin., F.R.F.P.S.
 Glas. Muirhead Prof.
 Brown, A., M.D. Sr. Lectr.
 McGirr, E. M., B.Sc., M.B. Lectr.

Medicine, Clinical

Lecturers

Cruikshank, 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.,
 F.R.F.P.S.Glas., F.R.C.P.
 Snodgrass, W. R., M.A., B.Sc.,
 M.D., F.R.C.P., 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.
 Oastler, E. G., T.D., M.A.
 Oxon., M.B., F.R.F.P.S.Glas.,
 F.R.C.P.
 Macfarlane, J. W., M.C., M.D.,
 F.R.F.P.S.Glas.
 Wright, J. H., M.D., F.R.F.P.S.
 Glas.

Medicine, Practice of

McNee, Sir John, 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. Sr. Lectr.
 Reid, J., M.D. Sr. Lectr.

Gaylor, J. B., M.A., B.Sc., M.B.,
F.R.F.P.S.Glas. Lectr.
Fraser, T. N., M.D., F.R.F.P.S.
Glas. Asst.
Simpson, J. A., M.B. Asst.

Midwifery

Lennie, R. A., T.D., M.D. Reg. Prof.
McLennan, H. R., M.D.,
F.R.F.P.S.Glas. Lectr.

Obstetrics and Gynæcology

Anderson, D. F., M.D.,
F.R.F.P.S. Glas., F.R.C.O.G.
Muirhead Prof.

Lecturers

Hewitt, J., M.B., F.R.C.O.G.
(Clin. G.).
Clement, W., M.B., F.R.F.P.S.
Glas. (Clin. G.).
M'Intyre, D., M.B.E., M.D.,
F.R.C.S.Ed., F.R.F.P.S.Glas.,
F.R.C.O.G.

Samaritan Lectr.

Barr, A., M.B., F.R.F.P.S.Glas.,
F.R.C.O.G.

Sutherland, A. M., M.D.

Orthopædics

Barnes, R., B.Sc., M.B. Manc.
Reader.

Pædiatrics, v. Infancy and Child- hood, Dis. of

Pathological Biochemistry

Lecturers

Eaton, J. C., B.Sc., M.B.
Wilson, H. E. C., D.Sc., M.B.,
F.R.F.P.S.Glas.
Chambers, J. W., B.Sc., M.B.
Hendry, E. B., B.Sc., Ph.D., M.B.
Edin.

Pathology

Cappell, D. F., M.D. Prof.
Montgomery, G. L., T.D., Ph.D.
St. And., M.D.
St. Mungo-Notman Prof.
Dick, J. C., M.D. Sr. Lectr.
Hutchison, H. E., M.B.
Sr. Lectr.

Symington, T., B.Sc., M.D.
Sr. Lectr.

Lecturers

Peacock, P. R., M.B. Lond.
Anderson, J. R., B.Sc., M.B. St.
And.
Marshall, Alice J., M.B.
Taylor, W. A., B.Sc., M.B.
Currie, A. R., B.Sc., M.B.
Shaw Dunn, R. I., B.Sc., M.B.
Milne, J. A., M.B.
Gibson, J. B., M.B.
Curran, R. C., M.B.
Sandison, A. T., B.Sc., M.B. St.
And.

Good, W., B.Sc. Asst.

Pathology of Diseases of Infancy and Childhood

MacDonald, A. M., M.D. Edin.
Gardiner Lectr.

Psychiatry (Mental Diseases)

Lecturers

MacNiven, A., M.B., D.P.M.,
D.P.M. Lond.
McKenzie, I., M.A., B.Sc., M.D.
Milne, J., B.Sc., M.B.

Psychological Medicine

Rodger, T. F., B.Sc., M.B. Prof.
Sclaire, I. M. Mackintosh Lectr.

Public Health

Ferguson, T., M.D., D.Sc., D.P.H.
Edin., F.R.C.P.Ed. Prof.
Lecturers
Laidlaw, S. I. A., B.Sc., B.L.,
M.D., D.P.H.
Mearns, A. G., B.Sc., M.D., D.P.H.
Meiklejohn, A., M.D.
(Indust. Health).
MacPhail, A. N., M.C., M.B.,
D.P.H.
Horne, W. A., M.D., D.P.H.
Assistant
Hunter, W., M.B.

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.,
D.P.H. Camb., F.R.C.S.Ed.,
F.R.F.P.S.Glas.

St. Mungo Prof.

Jamieson, R. A., M.B. Edin.,
F.R.C.S.Ed. Sr. Lectr.

Murray, A. M., M.B., F.R.C.S.Ed.
Lectr.

Assistants

Mackay, W. A., T.D., M.B.,
F.R.F.P.S.Glas., F.R.C.S.Ed.

Kay, A. W., M.D., Ch.M.

Patrick, W., M.B., F.R.C.S.Ed.,
F.R.F.P.S.Glas.

St. Mungo Asst.

Goodall, A. L., M.D., D.P.H.

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.

Dunbar, J., M.B., F.R.F.P.S.Glas.

Swanson, G. C., M.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. Edin., F.R.C.S.Ed.,
D.P.H.

Mowat, G. T., M.B. Edin.,
F.R.C.S.Ed.

Laird, A. P., M.B., F.R.C.S.Ed.,
F.R.F.P.S.Glas.

Burdon, I. M., M.B., F.R.C.S.Ed.

Gerstenberg, E. G., M.B., F.R.C.S.
Ed.

Kerr, A. B., O.B.E., T.D., B.Sc.,
M.B., F.R.F.P.S.Glas.

Tuberculosis, Clinical

.....

Lectr.

Venereal Diseases

Lecturers

McCluskie, J. A. W., M.B.,
F.R.F.P.S.Glas.

Robertson, J. G. M., M.B.

Cramb Music Lecturer

1950—Wilson, Sir Steuart, M.A.,
Director of Music of the
B.B.C.

Dalrymple Lecturer (Archæology)

Robertson, Anne S., M.A.

1950-51—Nash-Williams, V. E.,
M.A., D.Litt.

**Frazer Lecturer (Social Anthro-
pology — Oxford, Cambridge,
Glasgow, Liverpool, in rota-
tion)**

1948-49—Macbeath, A., M.A.

**Gibson Lecturer (History of
Mathematics)**

1949—Turnbull, H. W., M.A.
Oxon. and Camb., F.R.S.

**Gifford Lecturer in Nat. Theol.
(biennial)**

1949—Farmer, H. H., M.A., D.D.
Camb. Prof.

**Hastie Lecturer (Encouragement
of Theology—held for 3 yrs.)**

1949-50—Gray, John R., B.D.
Yale, M.A.

W. P. Ker Lecturer

1951-52—Roberts, S. C., M.A.,
Camb.

**Sir William MacEwen Memorial
Lecturer (biennial)**

1952—

David Murray Lecturer

1951-52 —Cooper, Rt. Hon. Lord.

Alexander Robertson Lecturer (Defence of the Christian Religion—not oftener than once in every 2 yrs.)

1949—Hromadka, J. Prof.

Stevenson Lecturer (Citizenship—held for 5 yrs.)

1946—Mack, J. A., M.A.

Extra-mural Education

Evans, W. S., M.A., Ph.D. Sheff. Director.

Nicol, W. B. de B., M.A. Aberd. Tutor-Organizer.

Tutors

Lloyd, W. E., B.A. Wales.

Hatch, J. C., B.A. Camb.

Freeman, C., B.Sc. (Econ.).

Shearer, J. G. S., M.A.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar and Asst. Sec. of Court, G. P. Richardson, M.A.; Finance Officer and Asst. Sec. of Court, L. G. Watt, F.C.I.S.; Asst. Sec. of Court (Works), J. W. C. Wingate, D.A., D.P.A.; Asst. Sec. of Court, J. B. Neilson, M.A.; Clerk of the Fac. of Medicine, J. O. Westwater; Clerk of the Fac. of Arts and Science, C. S. Rankine; Admin. Asst., G. Bradley; Sec. Appts. Cttee. (Men), J. Thomson, M.A., B.Sc., Ph.D.; Asst. Sec. Appts. Cttee. (Men), O. H. J. Dick, B.A.; Sec. Appts. Cttee. (Women), Barbara L. Napier; Warden Maclay and Strain Halls, Capt. (S) C. H. Law; Warden MacBrayne Hall and Kelvin Lodge, J. M. A. Lenihan, M.Sc., Ph.D., F.I.P.; Warden Horselethill House, S. A. Hutchinson, B.Sc., Ph.D.; Warden Queen Margaret Hall, Mrs. Elsie Conway, B.Sc., Ph.D.

ASSOCIATED COLLEGES, in which University courses are provided at Glasgow.

* TECHNICAL COLLEGE, v. *infra*.

SCOTLAND AGRICULTURAL COLLEGE, 6 Blythswood Square, (see Douglas 2241-3). Principal, Prof. John Kirkwood, *Agric.*, Prof. John Kirkwood, A. B. Smart, B.Sc. B.Sc. Wales; *Agric. Book-keeping*, A. B. Smart, B.Sc. A. D. Campbell, M.A. Glas.; *Agric. Eng. and* Glas.; *Agric. Zool.*, D. S. MacLagan, B.Sc. (Agr.), G. Sheals, B.Sc. Wales; *Bacteriol.*, J. F. Assts.; *Bee-keeping*, J. Struthers; *Bot.*, B.Sc. Aberd., W. F. Burnett, M.A., B.Sc. D. Lond., F.R.I.C.; Asst., J. M. L. Tait,

v. also pp. 518 ff.

, after the model of Bologna, the Univ. of James VI. of Scotland in 1577. For

1951, the students celebrated the five-hundredth anniversary of the foundation of the Univ. with appropriate burning of a torch to Glasgow by relays of torch-bearers from the four borders, the birthplace of Bishop Turnbull, and the main academic celebrations were held in the University of Glasgow, a ceremony at which honorary degrees were

awarded and a Commemoration Service in Glasgow Cathedral, the first home of the Univ. congregations 500 yrs. before. The Commemoration Oration was delivered by Lord Macmillan of Aberfeldy. 800 guests were taken on a cruise of the Firth of Clyde.

The LIBRARY, founded in the 15th century, contains 394,366 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. Five large general HOSPITALS are available for clinics, besides special institutions (including Consumption Sanatoria).

FACULTIES AND DEANS. Arts, Prof. C. J. Fordyce (Humanity); Science, Prof. J. M. Robertson (Chem.); Medicine, Prof. G. M. Wishart; Law, Prof. D. A. S. McLeish (Conveyancing); Divinity, Prof. C. J. Mullo Weir (Hebrew and Semitic Langs.); Engineering, Prof. A. M. Robb (Naval Archit.). 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. 519. 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 Royal Technical College; no prelim. examn.

For detailed information regarding POSTGRADUATE study and research in any Faculty, application should be made to the Dean.

FEES (v. also Carnegie Trust, p. 522). 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. 521-522): 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.

APPOINTMENTS COMMITTEE. Secretary for men's appointments: J. Thomson, M.A., B.Sc., Ph.D.; Asst. Secretary: O. H. J. Dick, B.A. Oxon. *Postal Address:* The University, W.2. *Telephone:* Kelvin 2231, Ext. 1 (Dr. Thomson), Ext. 52 (Mr. Dick). Secretary for women's appointments: Barbara L. Napier, M.A., The University, W.2. *Telephone:* Kelvin 2231, Ext. 28.

Permanent Appointments in 1950 (men and women): 204.

HALLS OF RESIDENCE. (For Wardens, see "Administrative and other Staff," *supra*.) Men: Maclay Hall and Strain Hall, 16-18 Park Terrace, Glasgow, C.3 (*Telephone:* Douglas 5056); Accom. for 114 students. MacBrayne Hall, 9-13 Park Circus Place, Glasgow, C.3 (*Telephone:* Douglas 5626); Accom. for 56 students. Kelvin Lodge, 7-8 Park Circus, Glasgow, C.3 (*Telephone:* Douglas 5360); Accom. for 30 students. Horselethill House, Glasgow (*Telephone:* Kelvin 2732); Accom. for 21 students. Women: Queen Margaret Hall, Bute Gdns., Glasgow, W.2 (*Telephone:* Western 1622); Accom. for 90 students. Southpark House, 64 Southpark Avenue, Glasgow, W.2 (*Telephone:* Western 4473); Accom. for 34 students; this House is controlled by the Student Christian Movement.

LODGINGS. Lists of lodgings for men and women students are kept by the Lodgings Officer, 4 University Gdns., Glasgow, W.2 (*Telephone:* Kelvin 2231, Ext. 44).

UNIVERSITY TRAINING CORPS (TERRITORIAL ARMY). Formed 1909 as Sr. Div. O.T.C.; reorganized 1948. Commanding Officer: Lt.-Col. R. M. Howatt, M.C., T.D.; W.R.A.C. Commander: Major Elsie R. Robinson, W.R.A.C.; Units: Artillery, Engineers, Signals, Infantry, Medical, R.E.M.E., W.R.A.C. *Postal Address:* University Avenue, Glasgow, W.2. *Telephone:* Western 6611.

UNIVERSITY AIR SQUADRON. Syllabus: Full Elementary Flying Training, both ground and air, being 90 hours' flying and 95 hours' lectures, spread over three years. Commanding Officer: Squadron Leader K. C. Roberts, A.F.C. Headquarters: 11 Bute Gardens, Glasgow, W.2. *Telephone:* Western 6460.

UNIVERSITY ATHLETIC CLUB. Facilities: Athletics, badminton, basketball, boats, boxing, cricket, fencing, fives, golf, hares and hounds, hockey (Men), hockey (Women), rugby, shinty, swimming, tennis. Grounds: Westerlands and Garscadden. *Telephone:* Western 1029, Scotstoun 2759. Hon. President: Dr. John Thomson; Director of Physical Training: G. Niven.

STUDENTS' UNIONS. Glasgow University Union: Established 1885; present bldgs. opened 1931. Membership open to matriculated men students and former men students of the Univ., to members of the Univ. Court, the *Senatus Academicus* and the teaching staff. Annual subscription: 2 gs. President: J. D. Mason. *Postal Address:* University Avenue, Glasgow, W.2. *Telephone:* Western 8697. Queen Margaret Union: Founded 1890. Membership open to matriculated women students and women graduates. Annual subscription, £1:15s. President: Stroma M. Duncan, M.A. *Postal Address:* University Avenue, Glasgow, W.2. *Telephone:* Kelvin 1025.

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 Elise 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* (Cutts); *Roll of Graduates (1727-1897)* (Addison); *Matriculation Albums (1728-1858)* (Addison).

THE YEAR 1949-50

BENEFACTIONS. Sir D. M. Stevenson's trustees: £50,000 for erection and furnishing of bldgs. to provide suite of rooms to serve as a Sr. Common Room. Miss Edith L. Wyllie's estate: residue of estate (approx. £4350) to the R. J. Wyllie Memorial Fund, Fac. of Divinity. John Robertson's Trust: £5000, residue of estate for purposes of original research. Dr. C. O. Hawthorne's Bequest: £1000 for provision of the Mary Hawthorne Prize in Medical Ophthalmol.; £1000 prize fund in memory of the late Dr. A. J. Hird. Rev. W. Napier Bell: bequest of half of residue of estate. I.C.I. Ltd.: further 7-yr. covenant providing I.C.I. fellowships (salaries ranging from £600 to £900 p.a.).

NEW BUILDINGS. The following were completed during session: Jr. Chem. Lab. and Acid Store; new Anat. dissecting room; Kelvin Lodge alterations; Bot. Res. Rooms; alterations to form Genetics, etc., dept. at Anderson Coll.; new Administrative Offices; Zool. Dept. Extension.

NEW DEPARTMENTS. Hist. of Fine Arts; Norse Studies; Administrative Law; Vet. Educn.

PRINCIPAL CHANGES IN REGULATIONS. M.A. degree may now be conferred *honoris causa*; B.D.S., M.D.S., B.V.M.S., D.V.M., and M.V.S. degrees may now be conferred in the Fac. of Med.

ADULT EDUCATION WORK. Total number of classes: 133 (of which 17 are 3-yr. Tutorial Classes). Total enrolments for all classes: 3070 (1683 men and 1387 women).

VISITS BY TEACHERS FROM OTHER UNIVERSITIES, ETC. Prof. H. H. Farmer, Westminster College, Cambridge: Gifford Lectureship in Natural Theology. Prof. H. W. Turnbull, St. Andrews: "Colin Maclaurin." Emeritus Prof. H. C. Guttridge, Cambridge: "The Codification of Private International Law." Sir W. A. Craigie, Oriel College, Oxford: "The Romantic Poetry of Iceland." Prof. W. T. Jackson, Chicago: "American History."

RESIGNATIONS. Prof. I. W. Macdonald (Accountancy); A. Dick (Psychol. Med.); G. W. Bloomfield (Nat. Phil.); A. T. J. Dollar (Geol.); A. A. Forsyth (Vet. Surg.); J. C. Gentles (Bot.); D. Gray (Extra-mural); A. F. Howatson (Nat. Phil.); J. B. Hurll (Midwifery); D. M. Jones (Greek); R. B. Maneely (Animal Physiol. and Histol.); J. B. Rennie (Practice of Med.); R. E. Woodham (Music), on appt. as Prof. of Music, Univ. of Reading.

HONORARY DEGREES. D.D.—Rev. D. Blair, Minister; Rev. S. H. Hooke formerly Prof. of Old Testament Studies in Univ. of London; Rev. A. M. Hunter, Prof. of Biblical Criticism in Univ. of Aberdeen; Rev. J. Paterson

Prof. of Hebrew and Old Testament Exegesis in Drew Univ. ; Rev. A. R. Reid, Minister ; Rev. J. W. Runciman, Missionary. *LL.D.*—Sir Edward V. Appleton, Principal of Univ. of Edinburgh ; J. Cain, Director-General of the Bibliothèque Nationale ; D. Campbell, Prof. of Materia Medica in Univ. of Aberdeen ; L. W. Douglas, Ambassador of the United States to the Court of St. James's ; J. D. Fergusson, Artist ; R. Girvan, Emeritus Prof. of English Language in Univ. of Glasgow ; J. M. Mackintosh, Prof. of Public Health in Univ. of London ; A. S. MacLellan, Engineer ; W. D. Niven, sometime Prof. of Ecclesiastical History in Univ. of Glasgow ; W. Notestein, Prof. of History in Yale Univ. ; J. H. Oort, Prof. of Astronomy in Univ. of Leiden ; D. S. Robertson, Regius Prof. of Greek in Univ. of Cambridge ; A. R. Todd, Prof. of Chem. in Univ. of Cambridge ; Sir Robert B. Walker, formerly County Clerk of Lanarkshire ; Sir Thomas G. Wilson, Chairman of Governors of the West of Scotland Agricultural Coll. *M.A.*—J. C. Ballantyne, Clerk of Faculties and Clerk of Senate's Asst. in Univ. of Glasgow ; A. M. Henderson, Organist of Univ. of Glasgow ; J. M. Jack, Printer ; W. Steel, Sub-Librarian of Univ. of Glasgow ; J. R. Lee, Hon. Curator of the Botany Herbarium.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	607	4619
Women	71	1335
Total	678	5954

Included in the above are 88 postgraduate students and 1207 first-year admissions.

DEGREES. B.Sc. (Agric.), 24 ; M.A., 497 ; Ph.D. (Arts), 2 ; B.Mus., 2 ; B.D., 8 ; Ph.D. (Div.), 2 ; Ed.B., 29 ; B.Sc. (Chem.), 10 ; B.Sc. (Civ.), 77 ; B.Sc. (Elect.), 45 ; B.Sc. (Mech.), 51 ; B.Sc. (Min.), 6 ; B.Sc. (Naval Arch.), 13 ; Ph.D. (Eng.), 1 ; B.L., 51 ; LL.B., 23 ; M.B., 207 ; M.D., 19 ; Ch.M., 2 ; Ph.D. (Med.), 1 ; B.Sc. (App. Chem.), 52 ; B.Sc. (Arch.), 5 ; B.Sc. (Pharm.), 11 ; B.Sc. (Pure), 199 ; D.Sc., 2 ; Ph.D. (Science), 33.

THE ROYAL TECHNICAL COLLEGE, GLASGOW *

Founded 1796

[Affiliated to the University of Glasgow, 1913]

Telephone : Glasgow, Bell 2905-8

CHAIRMAN OF THE BOARD OF GOVERNORS—Sir ANDREW McCANCE,
D.Sc. Lond., LL.D. Glas., F.R.S.

DIRECTOR—DAVID S. ANDERSON, B.Sc., Ph.D. Glas.

SECRETARY-TREASURER—GEORGE H. THOMSON, B.Com. Lond.

REGISTRAR—W. RUSSELL, Dipl. Com.

CHIEF CLERK—CHARLES STEWART.

LIBRARIAN—W. G. BURRELL, M.A. Glas.

TEACHING STAFF

Architecture and Building

Smith, W. J., M.C., F.S.A.,
F.R.I.B.A.

Prof. and Dir. of Arch.
Studies.

Senior Lecturers

MacLean, A., B.A. Manc.

Paterson, D. S., D.A. Glas.

Lyon, T. F., D.A. Glas.

Lecturers

Murray, J. E., D.A. Glas.

Rowell, J. R. C., D.A. Glas.

Brodie, Margaret B., B.Sc., D.A.
Glas.

Ramsay, W. N. W., D.A. Glas.

Selby, F.

Cordiner, A. D., D.A. Glas.

Falconer, J.

Assistant Lecturers

Morris, E. N., D.A. Glas.

Pyle, M. W. A., B.Sc. Tech. Manc.

Bakery, School of

Todd, J. P., Ph.D. Glas., F.R.I.C.
Supt.

Leitch, J. M., B.Sc. Glas., F.R.I.C.

Sr. Lectr.

McKenzie, A.

Lectr.

Brown, J. M.

Lectr.

Walker, Edith L., M.A. B.Sc. St.

And.

Asst. Lectr.

McLachlan, D. F.

Demr.

Henry, T.

Demr.

Chemistry

Spring, F. S., Ph.D. Liv., D.Sc.

Manc., F.R.I.C.

Freeland Prof.

Senior Lecturers

Cranston, J. A., D.Sc. Glas.,
F.R.I.C.

Hopper, I. V., B.Sc. Lond., Ph.D.

Glas., F.R.I.C.

Crawford, A. B., B.Sc., Ph.D.

Glas., F.R.I.C.

M'Lean, J., B.Sc., Ph.D. Glas.,
F.R.I.C.

Lecturers

Anderson, H. G. A., B.Sc. Glas.,
F.R.I.C.

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

Good, W., D.Sc. Zür.
Alexander, W. A., B.Sc. Lond.,
F.R.I.C.

Syme, A. C., B.Sc., Ph.D. Glas.
Sharp, W., B.Sc., Ph.D. Glas.,
F.R.I.C.

Hart, A. B., B.Sc., Ph.D. Lond.
Newbold, G. T., M.Sc., Ph.D.
Manc.

Musgrave, O. C., B.Sc., Ph.D.
Lond.

Bentley, H. R., M.A., B.Sc.,
D.Phil. Oxon.

2 Asst. Lectrs. and 4 Student
Demrs.

Chemistry, Technical

Ritchie, P. D., B.Sc., Ph.D. St.
And., F.R.I.C. Young Prof.

Rumford, F., B.Sc. Lond., Ph.D.
Glas., F.R.I.C. Sr. Lectr.

Lecturers

Mitchell, T. J., Ph.D. Glas.,
F.R.I.C.

Edwards, G. E., B.Sc., Ph.D. Glas.

Gordon, M., M.Sc., Ph.D. Lond.,
F.R.I.C.

Gibb, W., B.Sc., Ph.D. Glas.

Brownlie, I. A., B.Sc., Ph.D.
Glas., F.R.I.C.

1 Student Demr., 2 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.
Prof.

Orkney, J. C., B.Sc. Glas.
Assoc. Prof.

Scott, A. W., B.Sc., Ph.D. Glas.
Assoc. Prof.

Principal Lecturers

Hunter, W., B.Sc. Lond., Ph.D.
(Civil E.) Glas.

Sneeden, O., B.Sc., Ph.D. (Mech.
Eng.) Glas.

Senior Lecturers and Research Leaders

M'Broom, H. L., B.Sc., Ph.D.
Glas.

Moir, C. M., B.Sc. Lond., Ph.D.
Glas.

Ferguson, W., B.Sc. Lond.

Laird, A. M., B.Sc. Glas.

Senior Lectrs.

Garrick, J. A., B.Sc. Durh.

Kenedi, R. M., B.Sc., Ph.D. Glas.

McHutchinson, W. B., B.Sc. Lond.

Frazer, W., B.Sc. Glas.

Stabler, G. V., B.Sc. Durh.

Gardiner, A. C., B.Sc. Lond.

Baxter, A. M., M.Sc. Camb.,
B.Sc. Glas.

Hendry, R., B.Sc. Glas.

Swinbanks, D. B., B.Sc. Lond.

Lecturers

Russell, R.

MacLaren, J. F. T., B.Sc. Glas.

Brown, J., B.Sc. Lond.

Chisholm, D., B.Sc. Glas.

McWee, D.

Nelson, H. M., B.Sc. Lond.

Rorke, J., B.Sc. Glas.

Tudhope, R. G., B.Sc. Glas.

McKinlay, D. G., B.Sc. Glas.

Neilson, J. H., B.Sc. Glas.

Mitchell, I. W., B.Sc. Lond.

Blair, M., B.Sc. Glas.

Benzies, J. Y., B.Sc. Lond.

Ainslie, W. G.

Allan, T., B.Sc. Lond.

Rachman, D., B.Sc. Glas.

Joss, E. J., B.Sc. Glas.

Henderson, A., B.Sc. Lond.

Assistant Lecturers

Paul, J. P., B.Sc. Glas.

Webster, J. T., B.Sc. Lond.

Webb, R. W., B.Sc. Lond.

Dykes, A. R., B.Sc. Glas.

Demonstrators

Elliot, R. C.

Rocke, G., B.Sc. Glas.
Thomas, P. A. V., B.Sc. Lond.

Engineering, Electrical

Bruce, F. M., M.Sc., Ph.D. Durh.
Prof.

Senior Lecturers

Shearer, G., B.Sc. Glas.
Fairley, E. S., B.Sc., Ph.D. Glas.
Husbands, A. S., B.Sc. Lond.
Lamont, H. R. L., M.A., B.Sc.,
Ph.D. Glas.

Lecturers

Martin, W. H., B.Sc. Glas.
Pender, J. T., B.Sc. Glas.
Wood, W. S., B.Sc. Edin.
Potok, M. H. N., B.Sc. Glas.
Matthews, J. E., B.Sc. Lond.
Calderwood, J. H., M.Sc.

Demonstrators

Jackson, W. D., B.Sc. Glas.
Hall, A. M., B.Sc. Glas.
Langhorne, T. B.
Cochrane, I., B.Sc. Glas.
Adelstein, L.

Engineering, Mining

Hibberd, G., Ph.D. Glas. Prof.
Flett, W. R., B.Sc. (Econ. Geol.)
Glas., F.G.S. Sr. Lectr.

Lecturers

Smith, R., B.Sc. Glas.
Boyle, W., F.G.S.
Stewart, A. W. K., B.Sc. Glas.
Currie, J., B.Sc. St. And.

Industrial Administration

Shone, K., M.A. Camb.
Head of Dept.

Lecturers

Hanika, F. de P.
Minnis, G. E.
Sutherland, R. M.

Mathematics

Price, A. T., D.Sc., F.R.A.S. Prof.
Lord, R. D., M.Sc. Lond.
Sr. Lectr.

Lecturers

Williams, W. D., B.Sc. Wales.
Rothman, M., Ph.D., M.Sc. Lond.
Eaton, J. C., M.A. Glas., F.S.S.
Martyn, W., M.Sc.

Metallurgy

Hay, R., B.Sc., Ph.D. Glas.,
F.R.I.C., F.I.M. Prof.

Senior Lecturers

Howat, D. D., B.Sc., Ph.D. Glas.,
F.R.I.C.

Taylor, J., M.Sc., Ph.D. Durh.

Lecturers

Carter, P. T., B.Sc., Ph.D. Durh.
McLeod, J. M., B.Sc., Ph.D. Glas.
Towers, Helen, B.Sc., Ph.D. Glas.
King, T. B., B.Sc. Glas.
4 Student Demrs., 3 Res. Assts.

Natural Philosophy

Rankin, J. S., B.Sc., Ph.D. Glas.
Freeland Prof.
Macaulay, J. M., B.Sc., Ph.D. Glas.
Sr. Lectr.

Lecturers

Symon, F. J., B.Sc., Ph.D. Glas.
Milne, E. R. M., M.A. Edin.
Sharpe, J. W., M.A. Glas.
MacNeill, A. C. M., M.A., B.Sc.
Glas.

Bagnall, L., M.A. Glas.
McLaren, A. S., B.Sc. Glas.
Wylie, T. S.
Weaver, C., B.Sc. Lond.
Gladwin, A., B.Sc., Ph.D. Lond.

Assistant Lecturers

Peskett, Jean M., B.Sc. Glas.
Cownie, A. R., B.Sc. Wales.

Naval Architecture

Bridge, I. C., B.Sc. Glas.
Hd. of Dept.
Hughes, J. H. Lectr.
McCulloch, W. N. G. Lectr.

Navigation, School of

Corse, J. R., Captain Supt.

Hunter, A., Captain	Sr. Lectr.	McIntosh, A. F., B.Sc. Glas.
Lecturers		Comrie, A. M., B.Sc. Glas.
Hill, R. T. W., Captain.		Murray, I., M.D. Glas., F.R.C.P.
Baldwin, G. D., Captain.		Ed.
Brown, H. H., D.S.C., Captain.		Provan, Margaret, B.Sc. Glas.
Blezard, W. C., Captain.		Terry, C. S., B.Sc. Glas.
Kennedy, D. M., Captain.		Asst. Lectr.
Warden, A. M. B., Captain.		Chilton, J., B.Pharm. Lond.
Whigham, J. E.		Asst. Lectr.
Hornall, E. S., Captain.		Evans, E., B.Pharm. Wales
		Asst. Lectr.

Pharmacy

Todd, J. P., Ph.D. Glas., F.R.I.C.
Prof.

Senior Lecturers

Lloyd, Blodwen, M.Sc. Wales,
Ph.D. Glas. (Biol. and Micro-
biol.).

Rattray, G. (Pharmacognosy).

Gemmell, D. H. O., B.L. Glas.

Campbell, J. G. C., B.Sc. W.Aust.,
Dip. Bact. Lond.

Lecturers

Hawthorn, J., B.Sc. Glas.

Fish, F., B.Pharm. Lond.

Demonstrators

Paterson, J. L., B.Sc. Glas.

Brown, Lydia D., B.Sc. Glas.

Howatson, Doris J. T., B.Sc. Glas.

Leitch, Eliz. D., B.Sc. Glas.

Textile Technology

Taylor, E. G., B.Sc. Tech. Manc.

Supt. and Lectr.

Lecturers

Marvin, A. W.

Elder, H. M.

Buchan, J.

Stanley, V.

1 Demr.

GENERAL INFORMATION

Founded in 1796 under the will of Professor John Anderson, Anderson's College was, in 1886, joined with the College of Science and Arts (1823), the first "Mechanics Institution," and with the Atkinson Institution (1861) in the Glasgow and West of Scotland Technical College. In 1912 the Governors received Royal authority for the title, Royal Technical College, Glasgow. The College was affiliated with the University of Glasgow in March 1913.

The College operates under the City of Glasgow Royal Technical College Scheme, 1935, of the Educational Endowments Commission, and has a Board of Governors (30), half of whom are appointed by local authorities, public bodies, Faculties and Institutions.

The present College building, completed in 1910, has a floor space of over 7 acres, and the Governors have approved an Extension Scheme on an adjoining site to add approximately one-third more accom. and to provide extensive engineering labs.

Under the affiliation ordinances, the College provides full qualifying courses for Degrees of the University of Glasgow in Engineering, Applied Chemistry, Pharmacy and Architecture. For the Associateship of the College (A.R.T.C.), courses of 4 years are provided in Civil, Mechanical, Electrical, Chemical, and Mining Engin., Naval Archit., Chem. and Technical Chem., Metallurgy, Applied Phys., Pharm., Food Sci., Microbiol., Building, and Textile Technol. Entrance qualificns. for the Associateship Courses are given in the Prospectus of Day Classes. In the School of Bakery and the Dept. of Textile Technol., the College provides 2-yr. Certificate Courses.

The Glasgow School of Architecture is constituted by the College and the Glasgow School of Art under a Jt. Committee of Governors, and issues Diplomas in Architecture (5 yrs.) and Postgraduate Diplomas in Town Planning. With the Glasgow and West of Scotland Commercial College, the College forms the Glasgow School of Management Studies and makes joint provision of courses in Personnel Management (1 yr.), Works Management, etc.

In Evening and Part-time Day Classes the College offers a very wide range of technological training at advanced and postgraduate level. Under the scheme of the West of Scotland Jt. Committee on Classes in Science and Technology, the College classes form the apex of a technological education triangle, and part-time students from all parts of the West of Scotland complete their courses at the Royal Technical College.

The College policy of fostering research is greatly strengthened by an active relationship with research associations and with industry. This adds to the resources of the New Development Fund for Research, and permits the provision of facilities for work on live problems and research in all branches of engineer., chem. and pharmacy, which are organized under the supervision of College staff.

LABORATORIES for under- and post-graduate work and LIBRARIES for reference and current literature are generously provided in every dept. in the College. The Andersonian Library, commemorating the Founder of the College, houses an extensive range of technical and scientific publications (over 30,000), including many of historical interest; the Founder's library, and the James Young collection of early alchemical, metallurgical, and chemical books.

SCHOLARSHIPS AND GRANTS for postgraduate work are awarded from the following funds: Henry Bell Memorial; Walter Duncan Scholp.; Greenock Scholp.; Charles S. Crawford Scholp.; R. W. McCrone Scholp.; and James Young Exhibition. Undergraduate awards of scholarships and travelling grants are available from: Atkinson Bursary; Bellahouston Trust; R. & W. Burns Scholp.; W. Dawson Bursary; Robert Hart Scholp.; Malcolm Kerr Bursary; C. C. Lindsay Mechanical Engin. Scholp.; Muirhead Scholp. for Women; T. B. MacKenzie Scholps.; Nobel Scholp. and Bursary; Dr. Stenhouse Scholp.

The FORMER STUDENTS' ASSOCIATION was formed in 1936 to provide a link with the College and between old students. Copies of the Annual Report of the Coll. are circulated to all members and social functions arranged regularly. A live register of members is kept by the Hon. Secretary at the Coll. and members going overseas have valued the introductions provided by the Association. Branches of the Association are active in London and South Africa. Life membership is available to qualified applicants at a fee of £1:1s.

The student body acts through the Students' Representative Council and joins with others in the Scottish Union of Students. Facilities for football, rugby, hockey, yachting, dramatics, photography, debating, table tennis, basket-ball, are well used and the Students' Representative Council maintains sports grounds at Cambuslang and, under the supervision of a physical instructor and coach, a fine modern gymnasium at the College. Accommod. at the Coll. includes the Union, S.R.C. Offices, Study Rooms, and the Muirhead Room for Women Students.

TUITION FEES. Degree Courses—Engineering, 114 gs.; Applied Chem., Pharmacy, and Archit., 127 gs.; Associateship Courses, and other Non-degree Courses—£30 p.a.; Research Fee—21 gs. p.a. Fees for Courses in Admin. and for pt.-time Classes are shown in the relevant prospectuses.

PUBLICATIONS. *Prospectus of Day Classes; Guide to Evening Classes; Bursaries, Scholarships, and Prizes; Prospectuses* for the following: School of Architecture, School of Navigation, School of Pharmacy, Scottish School of Bakery; *Education for Management; Town and Country Planning; The Annual Report; The College Journal* (21S.).

THE YEAR 1949-50

RESIGNATIONS. Sir James French severed a Coll. connexion of 15 yrs. when he resigned from the Chairmanship of the Board of Governors. Prof. W. M. Cumming, from "Young" Chair of Technical Chem. to become Technical Dir. of British Dyeworks Ltd.

NEW BUILDINGS. The John Street Extension was completed during the yr. and now houses the "James Young" Technical Chem. Lab., additional labs. for Metall. and Electrical Engin., classrooms for Pharmacy and Navigation, the Gymnasium and the Men's Union.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3948	1244
Women	74	85
Total	4022	1329

Included in the above are 138 postgraduate students and 410 first-year admissions to full-time courses.

DEGREES AWARDED. Ph.D., 14; B.Sc. in Applied Science, 151; B.Sc. (Lond.), 13.

COLLEGE AWARDS. Associateships in Engineering—Civil, 15; Mechanical, 34; Electrical, 10; Chemical, 4; Mining, 2; in Naval Architecture, 2; Chemistry, 31; Metallurgy, 9; Building, 1: Total, 108. Diplomas in Engineering Science, 107; Chemical Science, 36; Dyeing, 1; Metallurgy, 10; Building, 3; Textile Technology 1: Total, 158.

UNIVERSITY OF ST. ANDREWS†

Founded 1411

Telephone : St. Andrews 35.

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. Leipzig, D.Sc. Liv., Princet., McG., and St. And., Sc.D.
Camb., Penn., and Yale, D.C.L. Oxon. and Durh., LL.D. Glas.,
Aberd., Edin., Wales, Tor., and N.Y., F.R.S.

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—LORD BURGHLEY,
K.C.M.G., LL.D.

PRINCIPAL OF ST. MARY'S COLLEGE—Very Rev. GEORGE S. DUNCAN,
O.B.E., M.A., D.D., LL.D. Edin., D.Theol. Paris, B.A. Camb.

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.

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.
..... 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.*

..... Lectr.*
Wilson, Mrs. Susan H., M.B., Ch.B.

Asst.*
Mair, W. F., M.D. Edin. Asst.

McAdam, R., M.B., Ch.B. Edin.
Tutor.

Astronomy

Freundlich, E. F., Dr.Phil. Gött.,
M.A.

Dir. of Univ. Observa-
tory. Napier Prof.
Slebarski, T., M.A. Lectr.

Biochemistry, v. Physiology

Biology, v. Bot. and Zool.

Botany

..... Keeper of Botanic
Garden. Prof.†
Macdonald, J. A., B.Sc., Ph.D.
Edin., D.Sc. Lectr.

* At Dundee.

† At St. Andrews and Dundee.

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

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.*
Taylor, R. A., B.Sc., Ph.D., D.Sc.
Lectr.*

Chemistry

Read, J., M.A., Sc.D. Camb., Ph.D.
Zür., F.R.S. (Dir. of Chem.
Res. Lab.) Prof.
Steele, Ettie S., M.A., B.Sc., Ph.D.
Lectr.
Macdonald, J. Y., M.A. Oxon.,
Ph.D. Lond. Lectr.
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.
White, A. G., B.Sc., Ph.D. Brist.
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., B.Sc.,
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.*
Parsons, R., B.Sc., Ph.D. (Edward
A. Deeds Fellow) Lectr.*
Martin, A. S., B.Sc. Asst.*
Bayles, J., B.A. 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.
Young, D. C. C., M.A. (Lat.) Lectr.*
Davidson, J., M.A. (Latin) Lectr.
Kidd, I. G., M.A. (Gk.) Lectr.
Simon, J. H., M.A. Oxon. Lectr.
Bowman, J., M.A. Glas. and
Oxon. Asst.

*Dentistry, v. infra**Divinity*

Duncan, G. S., O.B.E., M.A.,
D.D., LL.D. Edin., D. Theol.
Paris, B.A. Camb. (Divinity
and Bibl. Crit.) Prof.
Baxter, J. H., M.A., D.D. Glas.,
B.D. Aberd., 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.
Harris, R., B.A. Camb. (Soc.
Econ.) Lectr.
Savage, C. I., M.Com. Birm.
Lectr.

Education

Skinner, A. F., M.A., B.Sc., Ph.D.
Bell Prof.†
MacLean, R. C., M.A., Ed.B.
Aberd. Lectr.†

* At Dundee.

† At St. Andrews and Dundee.

Snodgrass, N. S., M.A. Glas. (Admin. of Schs., etc.) Lectr.†
 Young, Margaret, M.A., B.Ed. Edin. Asst.†

*Engineering, Civil and Mechanical**

Marshall, W. T., B.Sc., Ph.D. Lond., D.I.C. 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.*
 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.*
 Sutcliffe, H., M.A. Camb. 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.
 Brumfitt, J. H., M.A. Oxon. Lectr.
 Owen, D. D. R., B.A. Camb. Lectr.

Berland-Delépine, S. G., L. ès L. Lecteur.
 Hackett, Winifred M., M.A. Oxon. and Manc. Lectr.*
 Ouston, P. A., B.A. Lond. Asst.*

Geography

Cumming, G. A., B.Sc., Ph.D. Lectr.
 Hobson, Peggie M., B.Sc. Lond. Lectr.
 Leeming, F. A., B.A. 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.
 Barber, M. J., B.Sc. 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.*
 Brill, E. V. K., M.A. Lectr.
 Berneaud, Jean M., M.A. Edin., Ph.D. Lectr.
 Harvey, Ruth C., M.A. Oxon. Lectr.
 Genzel, F., Ph.D. Bonn Lektor.
 Strachan, T., M.A. Lectr.*
 Robertson, A. G., M.A. Lectr.*
 Prasch, K. Demr.*

Hebrew and Oriental Langs.

Honeyman, A. M., B.D., Ph.D. Edin., M.A., B.Litt. Prof.

* At Dundee.

† At St. Andrews and Dundee.

Dobbie, R., M.A. Glas., B.D.,
M.Th. Lond. Lectr.
Ullendorff, E., M.A. Jerusalem.

History, Ancient

Staveley, E. S., M.A. Oxon.
Lectr.

History, Colonial

Macmillan, W. M., M.A. Oxon.
Lectr. and Director of
Colonial Studies.

History, Economic

Carstairs, A. M., M.A., B.Phil.
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.
Ketelbey, Doris M., M.A. Lectr.
Lowson, Catherine W. S., M.A.
Lectr.
Wainwright, F. T., B.A., Ph.D.
Reading Lectr.*
Seed, G., M.A. Durh., A.M.
Mich., Ph.D. Lectr.*
Hannam, Una C., M.A. Asst.*

History, Modern, American and Colonial

Gash, N., M.A., B.Litt. Oxon.
Lectr.

History, Scottish

Cant, R. G., M.A. Oxon. Lectr.

*Law, Civil**

Hird, T. L., M.A., LL.B. Edin.
Lectr.*

*Law, Conveyancing**

Carlton, H. J., LL.B. Edin., M.A.
Lectr.*
Coupar, A. J. W. R., D.F.M., B.L.
Asst.*

*Law, Evidence and Procedure**

Bisset, Christian J., LL.B. Edin.,
M.A. Lectr.*

*Law—Forensic Medicine**

Dorward, W. F., B.Sc., M.B., Ch.B.
Lectr.*

*Law—Jurisprudence**

Bowman, B. C., LL.B. Edin.,
M.A. Lectr.*

Law, Public International

Matheson, Prof. A. A., M.A., LL.B.
Edin. Lectr.*

*Law, Scots**

Matheson, A. A., M.A., LL.B.
Edin. Prof.*

Mathematics, Pure and Applied

Copson, E. T., M.A. Oxon., D.Sc.
Edin. Reg. Prof.
Rutherford, D. E., Dr.Math.
Amst., M.A., D.Sc. (M. and
Applied M.) Lectr.
Mitchell, A. R., B.Sc., Ph.D.
Lectr.

Gray, J. R., B.Sc. Edin.
(Statistics) Lectr.

Borwein, D., B.Sc. Rand., Ph.D.
Lond. Lectr.

Read, A. H., M.A. Camb. Lectr.*
Patterson, E. M., B.Sc., Ph.D.
Leeds Lectr.

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., M.A. Oxon. Lectr.*
Jack, H., M.A. Lectr.*

Anderson, H. G., M.A., Ph.D.
Edin. Lectr.*

Craggs, J. W., B.Sc., Ph.D. Manc.
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.
Smith, R. N. W., M.A. Oxon. and
Glas. Lectr.
Mundle, C. W. K., B.A. Oxon.,
M.A. Lectr.*
Cohen, L. J., M.A. Oxon. Lectr.*

Philosophy, Moral

Knox, T. M., M.A. Oxon. Prof.
Kemp, J., M.A. Oxon. Lectr.

Physics

Allen, J. F., M.A. Tor. and Camb.,
Ph.D. Tor., F.R.S. Prof.
Jack, D., M.A., B.Sc. Edin., Ph.D.,
F.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.

ter Haar, D., D.Sc. Leiden 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.*

Baranowski, D., B.S. Lectr.*
Macdonald, S. G. G., M.A. Edin.
Lectr.*

Iball, J., M.Sc., Ph.D., D.Sc.
Wales, F.Inst.P. Lectr.*
Clark, Mrs. Sheena M., B.Sc.
Asst.*

Barker, Audrey N., B.Sc., Ph.D.
Edin. Asst.*

Physiology

Ritchie, A. E., M.A., B.Sc. Aberd.,
M.D., Ch.B. Edin.

Chandos Prof.
Bayne, S., B.Sc., M.B., Ch.B.
(Biochem.) Lectr.

Tristram, G. R., B.Sc., Ph.D. Liv.
(Biochem.) Lectr.

Taylor, J. H., M.B., Ch.B. Edin.,
D.P.H. Lectr.

Carlill, S. D., B.Sc. Edin. Asst.
Fewster, J. A., B.Sc.

(Biochem.) Asst.
Bell, G. H., B.Sc., M.D. Glas.,
F.R.F.P.S.Glas. Prof.*

Cook, R. P., B.Sc. Melb., Ph.D.
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.

Coatman, J., C.I.E., B.A. Manc.,
M.A. Oxon. Lectr.

Psychology

Ferguson, H. H., M.A. Lectr.
Berlyne, D. E., M.A. Camb.

Lectr.

Flook, A. J., B.A. Lond. Lectr.
 Roveless, N. E., M.A. Edin. Lectr.
 Ramsay, S. G., B.Sc. Edin. 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. Oxon. Lectr.

Theology, v. Divinity

Zoology

Callan, H. G., M.A. Oxon., D.Sc. Edin. Prof.
 Sutherland, Christina H., M.A., B.Sc. Aberd. Lectr.
 Burt, D. R. R., B.Sc., F.L.S. Lectr.
 Dodd, J. M., B.Sc. Liv. Lectr.
 Shelswell, Eileen M., B.Sc. Asst.
 Stevens, J. L., B.Sc. Glas. Asst.
 Peacock, A. D., D.Sc. Prof.*
 Waterhouse, F. L., M.Sc. Manc. Lectr.*
 Sanderson, Ann R., B.Sc., Ph.D. Lectr.*
 Kettle, D. S., M.Sc. Lond. Lectr.*

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**

Ferguson, J. G., M.B., Ch.B. Asst.*
 Nelson, N., M.B., Ch.B. Asst.*

*Dental Mechanics and Prosthetics**

Hutcheson, J. Tech. Instr.*
 Elder, R. Tech. Instr.*

*Dental Metallurgy**

Whyte, R., L.D.S., D.P.D., Ph.D. Lectr.*

*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. (Orth. and D. Dis. of Children) 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.*

Medicine

(for pre-clinical subjects—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. Prof.*
 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.*
Sommerville, T., M.D. Edin. Lectr.*
Chawla, G. S., M.D. Asst.*

*Child Health**

Henderson, J. L., M.D. Edin.,
F.R.C.P.Ed.
James Mackenzie Prof.*
Thomson, J., M.B., Ch.B. Edin.,
F.R.C.P.Ed. Lectr.*

*Diseases, Mental**

Bell, A. A., M.B., Ch.B. Glas.,
F.R.F.P.S.Glas., D.P.M.
Lectr.*

*Diseases, Skin**

Kinnear, J., O.B.E., T.D., D.L.,
M.D. Lectr.*
Buchanan, T. K., M.B., Ch.B.
Lectr.*

*Diseases, Throat, Nose, and Ear**

Gibson, M. J., M.B., Ch.B. Edin.,
F.R.C.S.Ed. Lectr.*
Gibb, A. G., M.B., Ch.B. Aberd.
Asst.*

*Fevers**

Jamieson, W. M., M.D., D.P.H.
Lectr.*

*Forensic Medicine**

Dorward, W. F., B.Sc., M.B.,
Ch.B. Lectr.*
Tweddle, Margaret F., M.B., Ch.B.
Aberd. Asst.*

*Genetics**

Smith, Edith P., B.A. Oxon.,
Ph.D. Edin. Instr.*

*Gynæcology and Midwifery**

Fairlie, Margaret, M.B., Ch.B.,
F.R.C.O.G. Prof.*
Herring, Jean, B.Sc., M.B., Ch.B.,
F.R.C.S.Ed. 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.*
Frew, J. S., B.Sc., M.B., Ch.B.
Glas. (Therapeutics) Lectr.*
St. Clair, W. R., M.B., Ch.B.
Edin. (Therapeutics) Lectr.*
West, G. B., Ph.D. Lond.,
B.Pharm.
(Pharmacol.) Lectr.*
Shepherd, D. M., B.Sc. Lectr.*
McDougall, Mary D., B.Sc. Edin.
(Pharmacol.) Asst.*
Tudhope, G. R., B.Sc., M.B., Ch.B.
(Therapeutics) Asst.*

*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.*
- Leslie, D. A., M.B., Ch.B. Aberd.
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.*
- Mackay, Katharine M., B.Sc. Edin.
Asst.*
- Morgan, Mrs. Margaret, B.Sc.,
M.B., Ch.B. Demr.*
- Johnstone, Mrs. Dorothy, M.B.,
Ch.B. Demr.*

*Psychology, Medical**

- Uytman, J. D., M.B., Ch.B. Glas.,
D.P.M. Lectr.*

*Public Health and Social
Medicine**

- Burgess, W. L., C.B.E., M.B.,
Ch.B., M.D. Edin., D.P.H.,
D.T.M. & H., F.R.C.P.Ed.
James Mackenzie Prof.*
- Cuthbert, J. A., M.B., Ch.B.,
D.P.H. Edin. Lectr.*

- Fyfe, G. M., M.B., Ch.B., D.P.H.
Aberd. Lectr.*

- Dorward, W. F., B.Sc., M.B., Ch.B.
(Community Immuniza-
tion) Asst.*

- Tweddle, Margaret F., M.B., Ch.B.
Aberd.

- (Community Immuniza-
tion) 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.*
- Harris, R., B.A. Camb. Asst.*

*Radiology and Elec. Therap.**

- Grant, G. M., M.B., Ch.B. Lectr.*
- 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.*
- Riley, J. F., M.D., F.R.C.S.Edin.
Lectr.*

*Surgery**

- Douglas, D. M., M.B.E., M.S.
Minn., M.B., Ch.B., Ch.M.,
F.R.C.S. Eng. and Edin.
Prof.*
- Grieve, J., B.Sc., M.B., Ch.B.,
F.R.C.S.Ed. Lectr.*

*Surgery, Clinical**

- Douglas, Prof. D. M. Lectr.*
- Brown, F. R., O.B.E., M.B., Ch.B.
Edin., F.R.C.S.Ed. Lectr.*
- Campbell, W. G., M.B., Ch.B.,
Ch.M., F.R.C.S., 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.*	<i>Venereal Diseases*</i>
Kirkpatrick, E. R. G., M.B., Ch.M. Syd., F.R.C.S.Ed. Lectr.*	Keay, D. M., M.B., Ch.B., D.P.H. Lectr.*
Kinnear, J. S., M.B., Ch.B., F.R.C.S.Ed. Lectr.*	Finnigan, Mrs. Jeannie P., M.B., Ch.B. Asst.*
Fallon, M., O.B.E., B.A., M.B., B.Chir. Dub., F.R.C.S. (Thoracic) Lectr.*	Andrew Lang Lecturer 1951-52—Prof. W. Croft Dickin- son.
<i>Tuberculosis*</i>	Gifford Lecturer in Nat. Theol. 1951-52 } Prof. B. Blanshard. 1952-53 }
McIntosh, D. G., M.B., Ch.B., D.P.H. Lectr.*	
Smith, D. H., M.B., Ch.B. Lectr.*	

* At Dundee.

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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.

PHYSICAL TRAINING INSTRUCTORS—*St. Andrews*—Mary J. Baker, A. W. Campbell; *Dundee*—Agnes Soutar, J. A. Qusklay.

GENERAL INFORMATION, v. also pp. 518 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., Anthropol., 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. T. E. Wright (Lat.); Science, Prof. E. T. Copson (Maths.); Medicine, Prof. W. J. Tulloch (Bact.).

ADMISSION, v. Appendix I.

DEGREES, ETC., v. also pp. 519 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, Music—only in St. And., some—Engineering—only in Dundee; Medical, after the first two yrs. and two terms, and Dental solely, in Dundee, where facilities for clinical instruction are available. Here also are provided courses for graduation in Law (LL.B. and B.L.).

The M.A. Ordinary Degree Course (3 yrs.) includes a General and a Special examn. The former, which must be completed before proceeding to the Special, 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 mos.; D.P.D., 5 mos. after obtaining registrable Dental qualification.

FEES (v. also Carnegie Trust, p. 522). 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.; LL.B., £54 : 12s.; B.Sc., £119 : 14s.; B.Sc. Hons., £133 : 7s.; B.Sc. (Engineering), £119 : 14s.; B.Sc. Hons. (Engineering), £133 : 7s.; M.B., Ch.B., £192; B.D.S., £140; Ed.B., £48 : 6s. Combined Courses: M.A. and B.L., £84; M.A. (Hons.) and B.L., £103 : 19s.; M.A. and LL.B., £94 : 10s.; M.A. (Hons.) and LL.B., £114 : 9s.; M.A. and B.Sc., 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 Ed.B. or LL.B., 13 gs.; M.B., Ch.B., £38 : 17s.; B.D.S., £30 : 9s.; M.D., Ch.M. or D.D.Sc., 20 gs.; D.Litt., D.Sc. or M.D.S., 15 gs.; Ph.D., 15 gs.; D.P.H., 16 gs.; B.Phil. or B.Litt., 10 gs.; D.P.D., 5 gs. Dipl. in Educn., £4 : 14 : 6.

ADVISERS OF STUDENTS. At St. Andrews: in Arts, Prof. T. E. Wright; in Sci., Dr. D. Jack; Dr. J. Y. Macdonald; Dr. J. A. Macdonald; 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: Jane Richardson, M.A.), Mac-Intosh Hall (Warden: Ettie 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), £83 : 10s. to £91 p.a. St. Salvador'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, £100 p.a. University College Hall (Warden: Dr. Tudhope) for men, at Dundee, £83:10s. to £91 p.a. William Low Residence (Warden: Dr. Leslie) 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. 521-522: 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 yrs., 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, Aberdeen, Toronto. Information may be obtained from the Secretary, Alumnus Association, The University, St. Andrews.

PUBLICATIONS. *Calendar* (Sept.), 10s. 6d.; Students' Representative Council's *College Echoes*; Alumnus Association's *Chronicle* (half-yearly).

THE YEAR 1949-50

BENEFACTIONS. Legacy of £4000 by late Miss Minnie Kynoch to provide annual Travelling Scholp. in Obstetrics. Grant to Dept. of Chem., Univ. Coll., by D.S.I.R., of £1500 over a period of 3 yrs. for res. on calorimetry. Grant to Dept. of Physics, Univ. Coll., by the British Jute Trade Res. Assoc. of up to £1500 annually for 4 yrs. for res. into properties and structures of fibres, with particular reference to jute. Grant to Dept. of Phys., Univ. Coll., by the British Empire Cancer Campaign, of £500 p.a. for appt. of Res. Asst., and of £450 for purchase of X-ray diffraction apparatus. Grant by Cormack Trust of £600 for glass for main mirror of full-scale telescope in Univ. Observatory, and for optical glass for a Schmidt plate. Grants by I.C.I. Ltd. to Dept. of Chem., United Coll., of £300 and £250 to meet cost of special chemicals, etc. Grant by Royal Society to Dept. of Physics, Univ. Coll., for purchase of an X-ray diffraction camera, and to Dept. of Biochem., Univ. Coll., for apparatus and expenses for work on mechanism of penicillin formation. Grant of £100 to Univ. Coll. by Shell Petroleum Co. Ltd. to assist students to undertake field mapping. Various gifts of books, MSS., etc.

NEW BUILDINGS. Reconstruction of main United Coll. bldg. to provide additional teaching accomm. in Fac. of Arts. Reconstruction of Chem. bldg. in Univ. Coll. Extensions to Residence Halls in St. Andrews and Dundee.

NEW POSTS. J. Mackenzie Chairs of Child Health, and Public Health and Social Med., both in Sr. Medical School, Dundee.

EXTRA-MURAL CLASSES. Courses of Lectures (Adult Educn.) were conducted at 21 centres—1069 enrolments.

RESIGNATIONS. Prof. H. W. Turnbull (Maths.); Prof. A. Patrick (Med.); D. H. Green (German); R. O. Jones (Spanish); D. M. Dunlop (Hebrew); J. P. H. Mackay (Maths.); E. Danter (Natural Philos.); A. Hynd (Biochem.); A. J. Baker (Philos.); A. G. Mackie (Maths.); J. B. Gyle (Clinical Med.); J. O. Forfar (Diseases of Children); R. P. Mathers (Diseases of Ear, Nose, and Throat).

DEATHS. Prof. R. J. D. Graham (Bot.); D. Stiven (Bacteriol.); I. B. M. Chalmers (Jurisprudence).

HONORARY DEGREES. *D.D.*—Rev. W. Borthwick, Leuchars; Prof. E. Brunner, Zürich; A. Kerr, Principal, South African Native College; Rev. J. Short, Bournemouth. *LL.D.*—Lord Burghley; Sir Geoffrey Heyworth; Sir John Graham Kerr; Lord McGowan; A. E. Porrit; E. C. E. Smith; H. B. Stallard; I. J. C. Brown; J. Gielgud; Sir Alexander Gray; Prof. Lillian Penson; Principal T. M. Taylor; Emeritus Prof. R. A. Williams.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	144	1357
Women	50	676
Total	194	2033

Included in the above are 114 postgraduate students and 512 first-year admissions.

DEGREES. *Arts*—Ph.D., 3; B.Phil., 2; M.A., 199; *Div.*—Ph.D., 1; B.D., 2; *Dentistry*—M.D.S., 1; B.D.S., 1; *Educn.*—Ed.B., 6; *Law*—B.L., 6; *Med.*—Ch.M., 2; M.D., 11; M.B., Ch.B., 64; *Sci.*—Ph.D., 7; B.Sc., 157; Dipl. in Dental Surg., 17; Dipl. in Educn., 49; Hons. granted subsequent to graduation: Arts, 44; Science, 37.

[Information compiled as at 2/5/51;
Staff list revised on 20/8/51.]

THE QUEEN'S UNIVERSITY OF BELFAST*

Established by Charter 1908
(Founded as Queen's College 1845 and opened 1849)

Telegrams and Cables : University, Belfast.
Telephone : Belfast 21821.

VISITOR—H.M. THE KING.

CHANCELLOR—Field-Marshal THE VISCOUNT ALANBROOKE, K.G., G.C.B.,
O.M., D.S.O., LL.D.

PRO-CHANCELLOR—The Rt. Hon. LORD MACDERMOTT OF BELMONT,
P.C., M.C., LL.D., Lord Chief Justice of N. Ireland.

PRESIDENT AND VICE-CHANCELLOR—E. ASHBY, D.Sc. Lond., Sc.D.
Dub., 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.

TEACHING STAFF

Accounting, v. Economics

Agriculture, v. *infra*

Anatomy

Walmsley, T., M.D. Glas. Prof.
Lecturers

Morton, W. R. M., M.A. Camb.,
B.Sc., M.D. (Embryol.).

Scott, J. H., B.Sc., M.D., L.D.S.
(Anat. for Dental Students).

Harrison, T. J., M.D.

Vincent, S. A., M.B., F.R.C.S.

Pt.-time Lectr.
2 Asst. Lectrs. 3 Pt.-time Demrs.

Ancient History, v. Classics :
Greek

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

Archæology

Joep, E. M., M.A., B.Sc. Oxon.,
F.S.A. Lectr.

Astronomy

Part-time Lecturers

Lindsay, E. M., Ph.D. Harv.,
M.Sc.
Armstrong, E. B., B.Sc., Ph.D.

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.D.
" J. C. White " Lectr.

1 Asst. Lectr.

Botany

Small, J., D.Sc. Lond. Prof.

Lynn, Mary J., D.Sc. Lectr.

Fenton, A. F., M.Sc.

Actg. Lectr.

Kertland, Mary P. H., M.Sc.

Curator of Herbarium.

2 Asst. Lectrs.

Celtic

..... Prof.
Arthurs, J. B., M.A. Lectr.

1 Asst. Lectr.

Chemistry

Ubbelohde, A. R. J. P., M.A.,
D.Sc. Oxon., B.Sc. Lond.,
F.R.I.C., F.R.S. Prof.

Graham, H., D.Sc. Reader.

Pink, R. C., D.Sc. Reader.

Wilson, C. L., Ph.D. Glas., M.Sc.
(Micro-chem.) Reader.

Bacon, R. G. R., B.Sc., Ph.D.
Lond., D.I.C. Lectr.

Mackie, H., D.Phil. Oxon., M.Sc.,
Ph.D. Lectr.

11 Asst. Lectrs.

5 Demrs.

Classics: Greek

Sinclair, T. A., M.A. Camb. Prof.

Phillips, E. D., M.A. Oxon. Lectr.

Atkinson, Mrs. 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.

Smallwood, Miss E. M., M.A.,
Ph.D. Camb. Lectr.

1 Asst. Lectr.

*Dentistry, v. infra**Economics*

Isles, K. S., M.A., M.Sc. Camb.

Prof.

Carter, F. C., M.A. Camb.

(Applied Economics) Prof.

Lecturers

Black R. D. C., M.A., B.Com.,
Ph.D. Dub.

Cuthbert, N., M.A., B.Com.Sc.
(Statistics).

Egerton, R. A. D., B.A. Melb.

Robson, P., M.Sc. Lond.

Montgomery, J. K., F.C.A.,
B.Com.Sc. (Accounting)

Pt.-time Lectr.

1 Asst. Lectr.

1 Pt.-time Asst. Lectr.

Economic History

..... Lectr.

Education

Knox, H. M., M.A., Ed.B., Ph.D.
Edin. Prof.

Sutherland, Margaret B., M.A.,
Ed.B. Glas. Lectr.

Wrigley, J., B.Sc., M.Ed. Manc.
Lectr.

1 Asst. Lectr.

Engineering, Civil

Naylor, A. H., M.Sc. Birm., B.Sc.
(Eng.) Lond. Prof.

Lecturers

Finnan, E. J., M.Sc.

Sidwell, E. H., M.Sc.

Godden, W. G., M.Sc.

Doran, I. G., M.Sc., Ph.D. (Soil Mechanics) Pt.-time Lectr.
3 Asst. Lectrs.

English Language and Literature

Baxter, F. W., M.A. Oxon. Prof.
Lecturers

Braidwood, J., M.A. Glas.

.....

Monaghan, T. J. A., M.A. Glas.,
D.Phil. Oxon.

1 Asst. Lectr.

French and Romance Philology

Bisson, L. A., M.A., D.Litt. Oxon.,
Dr. de l'U. de Bordeaux

Prof.

Lecturers

Godin, H. J. G., B.A. Lond.,
L. ès L. Lille, M.A., Ph.D.

Patterson, Mrs. Helen T., M.A.
Manc.

Japolsky, L., B.A. Oxon.

.....

1 Asst. Lectr. 1 Lecteur.

French, Mediæval

Pelan, Margaret McL., Dr. de l'U.
Stras., M.A., Ph.D. Reader.

1 Asst. Lectr.

Geography

Evans, E. E., M.A. Wales, D.Sc.
Prof.

Jones, E., M.Sc., Ph.D. Wales
Lectr.

1 Asst. Lectr.

Geology

Charlesworth, J. K., D.Sc. Leeds,
Ph.D. Breslau Prof.

Preston, J., B.Sc. (Tech.), B.Sc.
Manc. Lectr.

.....

1 Asst. Lectr.

German

Waterhouse, G., M.A. Camb.,
Litt.D. Dub. Prof.

Brooke, K., B.A. Birm. Lectr.
1 Asst. Lectr.

Histology

Strangeways, Dorothy H., M.A.
Camb., Ph.D. Leeds Lectr.

History

Sayles, G. O., M.A., D.Litt. Glas.
Prof.

Lecturers

Beckett, J. C., M.A.

Gray, J. W., M.A. Oxon.

Graham, A. H., M.A. Glas.

Duncan, A. A. McB., M.A. Edin.
and Oxon. (Palæography and
Diplomatic).

1 Asst. 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.

Lecturers

Edwards, J. L. J., LL.B. Wales,
B.A. Camb.

Williams, D. C., M.A., LL.B.
Camb.

Sheridan, L. A., LL.B. Lond.

Conaghan, R. H., B.A.

Pt.-time Lectr.

O'Neill, J. B., B.A., LL.B.

Pt.-time Lectr.

1 Asst. Lectr.

Mathematics (Applied)

Bates, D. R., M.Sc. Prof.
Herivel, J. W. J., B.A. Camb.

Lectr.

1 Asst. Lectr.

Mathematics (Pure)

..... Prof.
Cooper, R. H., M.A., Ph.D. Camb.
Reader.

Verblunsky, S., B.A., Ph.D. Camb.
Reader.
Henstock, R., M.A., Ph.D. Lond.
Lectr.

1 Asst. Lectr.

Music

Keys, I. C. B., M.A., D.Mus.
Oxon., F.R.C.O.
Hamilton Harty Prof.
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.
(Philos.) Lectr.

Philosophy, Moral, and History of Philosophy

Davie, G. E., M.A. Edin. Lectr.

Philosophy, Scholastic

Lecturers

Crowley, Rev. T., D.Ph., Lic. Sc.
Hist., Maitre Agrégé en
Philosophie, Louvain.
Daly, Very Rev. C. B., D.D.
Maynooth, M.A.

Physics

Emeleus, K. G., M.A., Ph.D.
Camb. Prof.
Sloane, R. H., D.Sc. Reader.
Watt, C. S., Ph.D. Lectr.
..... Lectr.
..... Lectr.
6 Asst. Lectrs. 4 Pt.-time Asst.
Lectrs.

Physiology

Greenfield, A. D. M., M.Sc., M.B.,
B.S. Lond. Dunville Prof.
Shepherd, J. T., M.B., M.Ch.
Lectr.
Loughridge, J. S., M.D., F.R.C.S.
Pt.-time Lectr.
Whelan, R. F., M.B. (For Dental
Students) Actg. Lectr.
2 Asst. Lectrs.

Political Science

Lemberger, J., M.A. Oxon. Lectr.

Psychology

Lecturers

Seth, G., M.A., B.Ed., Ph.D. Edin.
McEwen, P., B.Sc. Edin.
1 Asst. Lectr.

Social Studies

Neill, D. G., B.A. Dub.
Lectr. and Dir.
McIlreavey, F., B.Com.Sc. Tutor.
McManus, Sally C., B.A. Tutor.
Gilmore, Mrs. Mary J., B.A.
Asst. Tutor.
MacMillan, M. Patricia
Pt.-time Asst. Tutor.

Spanish

Llubera, I. M. G., M.A., D.Litt.
Madrid Musgrave Prof.
..... Lectr.
1 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.
2 Asst. Lectrs., 1 Museum Asst.
(Pt.-time).

Agriculture

Agriculture, Bacteriology of

Clerkin, P., B.Sc., B.Agr.Sc. N.U.I.
Lectr.

Assist. Lecturers

Knowles, N. R., M.Sc. Reading.
Murray, J. G., B.Agr.

Agr. Botany

Linehan, P. A., D.Sc. N.U.I.,
M.Agr. Reader.
Assistant Lecturers
Dales, Mrs. Helen, M.A., B.Sc.
Edin.
Lowe, J., B.Agr.
Stewart, R. H., B.Agr.

Agr. Chemistry

Baskett, R. G., M.Sc. Reading
Prof.

Lecturers

Houston, J., D.Sc.
Prentice, J. H., B.Sc., B.Agr.
Robinson, K. L., B.Sc., B.Agr.

Assistant Lecturers

Brown, W. O., B.Sc., M.Agr.
Jordan, J. W., B.Agr.
McAllister, J. S. V., D.F.C.,
D.F.M., B.Agr.
McConaghy, S., B.Sc., M.Agr.
Parish, D. H., B.Sc. Leeds.

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.
Lecturers

Colhoun, J., Ph.D. Lond., B.Sc.,
M.Agr., D.I.C.
Taylor, J. C., B.Sc., B.Agr.
Assistant Lecturers
Calvert, E. L., M.Agr.
McCreary, C. W. R., M.Sc.

*Plant Genetics and Plant
Breeding*

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.

Assistant Lecturers

Luke, D., B.Sc.
McNabb, T., B.Sc., Ph.D.
Pearson, J. K. L., Ph.D.
Gordon, W. A. M.

Medicine

(for pre-clinical subjects, v. *supra*)

Bacteriology

Graham, N. C., M.B., D.P.H.
"J. C. White" Lecture-
ship Reader.
Bartley, Eileen O., M.D., D.P.H.
Lectr.

2 Asst. Lectrs.

Child Health

Allen, F. M. B., M.D., F.R.C.P.
Nuffield Prof.
Fisher, O. D., M.B., B.S., D.C.H.
Lond. Lectr.
Campbell, W. A. B., M.D., D.C.H.
Lond. Pt.-time Asst.
4 Registrars. 2 Tutors.

Dentistry

Stoy, P. J., B.D.S. Birm.,
F.D.S.R.C.S. Prof.

Lecturers

.....(Clinical Dental Surgery).
.....(Prosthetics and Mechan-
ics).

McKeag, H. T. A., B.A., B.Dent.Sc.
Dub., F.D.S.R.C.S. (Orthod.).

Part-time Lecturers

Lyons, J., L.D.S. (Dent. Mat.
Medica).
Porter, D. C., M.D. (Dent. Radiol.).
Brown, W. M., M.D., D.P.H.
(Dent. Anæsthetics).
Megaw, J. McI., M.B., F.R.C.S.Ed.
(Surgery for Dental Students).
Strain, R. W. M., B.Sc., M.D.,
(Medicine for Dental
Students).

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

Part-time Lecturers
Cronhelm, H. J., M.D.
Pantridge, J. F., M.C., M.D.

Medicine

..... Prof.
..... Lectr.
4 Clinical Lectrs. 4 Registrars.
2 Tutors. 1 Pt.-time Asst.

Medicine, Forensic

..... 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. Prof.

Lecturers

Cheeseman, E. A., B.Sc. (Econ.),
Ph.D. Lond. (Medical Statistics).

Blair, E. Maud McV., M.Sc.,
Ph.D. (Public Health Chem.).
Simpson, J., M.B. Glas., D.P.H.
(Prev. Med.) Temp. Lectr.

Midwifery and Gynæcology

Macafee, C. H. G., M.B., F.R.C.S.
Eng. and I., F.R.C.O.G.

..... Prof.
Gibson, G. B., B.A., M.D., M.A.O.
Dub. Lectr.

Boyd, G., M.B., F.R.C.S.Ed.
Pt.-time Lectr.

4 Clinical Lectrs. 4 Registrars.
3 Tutors.

Ophthalmology

Wheeler, J. R., M.B., D.L.O.,
D.O.M.S., F.R.C.S.Ed.
Pt.-time Lectr.

4 Clinical Lectrs.

Oto-Laryngology

MacLaughlin, F. A., M.B., F.R.C.S.
Pt.-time Lectr.

Pathology

Biggart, J. H., C.B.E., D.Sc.,
M.D.

Dir. of Inst. of Pathol.;
Musgrave Prof.

Morrison, J. E., B.Sc., M.D.
Reader.

Lecturers

McKeown, Elizabeth F., M.D.
(Morbid Anat.).

Drennan, A. J. M., M.B., F.R.C.P.
Ed. (App. Pathol.).

4 Asst. Lectrs.

Pharmacology

Mayrs, E. B. C., M.D., D.P.H.
Prof.

1 Asst. Lectr. 2 Pt.-time Asst.
Lectrs. 2 Tutors.

Public Health (Administration)

Barron, S., M.D., 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.

Welbourn, R. B., B.A., M.B.,
B.Chir. Camb., F.R.C.S.

Lectr.

4 Clinical Lectrs. 4 Registrars.
2 Tutors.

Surgery, Oper., and Applied Anat.

Lavery, M. B., M.B., M.Sc.,
F.R.C.S. Pt.-time Lectr.

Tuberculosis

Clarke, B. R., M.D. Pt.-time Lectr.

Technology

(v. also Agr., and Eng., Civil)

Extra-mural Staff (Hon.) being
 Profs., Lectrs., and Recogn-
 ized Teachers (Recog. T.)
 at the Munic. Coll. of Tech.

**Architecture, Naval*

Cameron, R. R. G., B.Sc. Recog. T.
 West, B. L. Recog. T.

Botany

McCourt, G. H., M.Sc. Recog. T.

Chemical Technology

Lecturers

Crawford, M., M.Sc. Glas., Ph.D.
 Munich.
 Gee, B. C., B.Sc., Ph.D.

Chemistry

Hughes, Kathleen H., B.A. Dub.,
 M.Sc. Lectr.
 Porter, J. W., M.Sc. Dub., F.R.I.C.
 Lectr.
 Barry, Ruth J. W., M.Sc.
 Recog. T.
 Tyrrall, E., M.Sc. Manc.
 Recog. T.

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.

Recognized Teachers

McIlhagger, D. S., M.Sc., Ph.D.
 Gillies, J. F., B.E., B.Sc. (Eng.),
 Ph.D.
 McBride, J. M. W., B.Sc.
 Bromley, A. A., M.Sc.
 Fitton, J., B.Sc. Manc., M.Sc.
 MacNeill, N. J., B.Sc.

Engines, Heat

Recognized Teachers

Craig, F. V.

Newel, D. G., B.Sc.
 McBride, J., B.Sc.
 Jennings, R.
 Harvey, G. R.

*Machine Design and Construc-
 tion*

Govan, J. Recog. T.
 (and the Lectrs. in Heat Engines).

Mathematics

Griffith, L., B.Sc. (Eng.), M.A.
 Lond. Lectr.
 Davies, A. L., M.A. Sheff. Lectr.
 O'Neill, F. R., B.A. Recog. T.
 Scott, S. A., M.A. Recog. T.

Mechanical Engineering

Warnock, F. V., M.Sc., Ph.D.,
 F.R.C.Sc.I. Prof.
 Gilchrist, J. M., M.Sc. Lectr.
 Goligher, T. E., B.Sc., D.I.C.
 Lectr.

Recognized Teachers

Taggart, R.
 Hewitt, W. P., B.Sc.
 Sloan, J., M.Sc.
 Kerr, W. F. K., M.Sc.

*Organization of Industry and
 Commerce*

Armstrong, D. L., B.Com.Sc.
 Recog. T.

*Pharmacy, Pharmaceutics, and
 Pharmacognosy*

Young, C. W. Lectr.

Physics

Crowley, T. A., B.Sc. Lond., Ph.D.
 Lectr.
 Fitton, J., B.Sc. Manc., M.Sc.
 Recog. T.
 France, R. W., M.Sc., Ph.D. Sheff.
 Recog. T.

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.

Hebrew and O.T. Theology

Wilson, Rev. R. J., M.A. N.U.I.,
 B.D. Lond. Prof.

Theology

Extra-mural Staff (Hon.), being
 Profs. of the Assembly's Coll.
 of the Presbyterian Coll. in
 Ireland.

*Philosophy of Religion, History
 of Christian Doctrine*

Haire, Rev. J. L. M., M.A. Oxon.,
 B.D., M.Th. Lond., B.D. Prof.

Christian Ethics

Corkey, Rt. Hon. the Rev. R.,
 M.A., Ph.D. N.U.I. Prof.

*Extra-mural Studies and Adult
 Education*

Semple, R. H., M.A. Camb.
 Dir. of Extra-mural
 Studies Reader.

*Ecclesiastical History, Symbolics,
 History of Christian Doctrine*

Pearson, Rev. A. F. S., D.Th.
 Heidel., D.Litt. St. And.,
 F.R.Hist.S. Prof.

Staff Tutors

Walthew, F. W., M.A. Camb.
 Whitford, F. J., B.A. Dub., B.Sc.
 (Econ.) Lond.

*Hebrew, Biblical Theology, Hel-
 lenistic and N.T. Greek*

Davey, Rev. J. E., M.A. Camb.,
 D.D. St. And. and Edin. Prof.

Frey, J., B.A.
 Arnold, D., B.Mus., M.A. Sheff.
 2 Asst. Lectrs.

ADMINISTRATIVE AND OTHER STAFF

Academic Council, Sec. : Prof. F. H. Newark, B.C.L., M.A. ; Asst. Sec. :
 R. H. Cooper, M.A., Ph.D. ; Sec. of Matriculation Cttee. : E. W. Bower,
 M.A. ; Sr. Asst. Sec., Clerk of Exams., 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 :
 ; Asst. Librarians : P. A. Larkin, M.A. Oxon. ;
 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. ;
 Buildings Officer : A. Forrester ; Dir. of Physical Education Centre : A.
 McDonald ; Manageress of Dining Halls : Catherine E. H. Bruce ; Organist :
 I. C. B. Keys, M.A., D.Mus., F.R.C.O.

RECOGNIZED COLLEGES AND TEACHERS

THE MUNICIPAL COLLEGE OF TECHNOLOGY, College Square, Belfast.
 (Telephone : Belfast 23896. *Telegraphic and Cable Address* : Technical College,
 Belfast.) Principal D. H. Alexander, O.B.E., M.Sc. Camb., 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 of Fac. of Applied Science and Technology :
 Prof. K. G. Emeleus.

THE PRESBYTERIAN COLLEGE (ASSEMBLY'S COLLEGE), Botanic Avenue,
 Belfast. (Telephone : Belfast 24761. *Telegraphic and Cable Address* : As-
 sembly's College, Belfast.) Principal : Rev. J. E. Davey, M.A., D.D. The

complete course for the B.D. may be taken at this college. Dean of Fac. of Theology : 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**, Grosvenor Pl., Belfast : Pathol. and Bacteriol. **MUSEUMS** : Class. Archæol., Nat. Hist., Medical, Materia Medica. **LABORATORIES** : Chemistry ("Donald Currie"), Civil Engineering ("Harland"), Physiology ("Jaffé"), Biochemistry and Bacteriology ("White"), Physics, Anat., Bot., Geol., Pharm., Zool., Agric. **HOSPITALS** available for Clinics : 3 general, 10 special (Fever, Maternity, Women, Children, Ophth., Ear, Nose, and Throat, Tuberculosis, Mental, Skin, Nervous Diseases).

FACULTIES AND DEANS. Arts (including Music), Prof. E. E. Evans; Science (including Civil Engin.), Prof. R. A. R. Gresson; 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. A. E. Muskett; 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.; Dipl. Soc. Studies, 2 yrs.

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. 19.

FEES. Enrolment (annual), £4. (Except in the cases of Final-Year Medical students, pt.-time students and grads. studying for higher degrees, when the annual enrolment fee is £2.) Class fees, annual (inclusive)—Arts, £21; Civil Engineering and B.Sc. (Pure), £35; B.Sc. (Econ.), £21; M.B., B.Ch., B.A.O., £36; B.Sc. App. Sci., 22 gs.; B.Agr., £32: 10s.; Dipl. Educn. (1 yr.), £21 for course; B.Ed. (2 yrs.), £49: 7s. for course; LL.B., £21.

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 Elms (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 May Dawson, B.A.). Board and lodging obtainable in the city from about 40s. a week upwards. A list of lodgings is maintained by the Welfare Officer.

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. Asscn. has been formed, Secs., J. F. Gillies, Ph.D., College of Technology, Belfast; W. Johnston, M.D., 25 University Square, Belfast.

There is also a Queen's Univ. Club which meets in London. Sec., J. N. McFeeters, M.Sc., "Mariga," Arkley, Barnet, Herts.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a 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.

UNIVERSITY EXTENSION lectures by members of the Univ. Staff and other lecturers by invitation are given in Belfast and other towns.

PRINTER TO THE UNIVERSITY. Marjory Boyd, M.A., 2 Corporation Street, Belfast.

U.T.C. (T.A.). Founded 1908. O.C., Major W. S. Craig, B.A., B.Sc., The Royal Ulster Rifles. Provides training in Infantry, Signals, Medical, and R.E.M.E. sections at the Drill Hall, Q.U.B. U.A.S. Formed 1941. O.C., S/Ldr. A. Brignell, D.F.C., M.A. Lecture Rooms, 18 College Gardens, Belfast. Flying Instruction—5 Chipmunk aircraft at Aldergrove airfield. Members enlist as Officer Cadets in R.A.F.V.R. The three-year course leads to Civil

Aviation "A" Certif. W.R.A.C. (T.A.): Founded 1950; Centre—48 University Road, Belfast.

STUDENT HEALTH SERVICE. All students are bound by regulation to submit to full medical examination by the University Medical Officer in charge of Student Health, 25 Univ. Square, Belfast. All medical and dental students are required to be re-examined before commencing clinical studies. All students must undergo an annual chest X-ray. Mantoux-negatives are vaccinated with B.C.G. A nurse is available for routine dressings. The Welfare Officer visits sick in hospital, halls of residence, or in lodgings. The Director of Physical Education is a qualified physiotherapist and co-operates in remedial exercises.

ATHLETIC FACILITIES. 25 acres of playing fields at Cherryvale, Belfast, provide pitches for Rugby, Association, and Gaelic football, hockey, cricket, tennis courts, grass athletic track and men's and women's changing rooms. The Physical Education Centre, Sans Souci Park, Malone Road, Belfast, provides for squash, badminton, table-tennis, net-ball, boxing, fencing, gymnastics, etc., with changing rooms and showers for men and women. The Boat House at Lockview Road provides facilities for pairs, fours, and eights, with changing rooms for men. There is a Director of Physical Education (male) and an Assistant (woman) to the Director.

STUDENTS' UNION SOCIETY. Founded 1897. Contains reading, writing, library, committee, billiard, cloak, and bath rooms. Extended in 1933 by a larger dining-hall and kitchens as the result of a gift from the Pilgrim Trust. The centre of undergraduate club and social activities.

WOMEN STUDENTS' HALL. Houses adjacent to the Univ. provide reading, sitting, study, and refreshment facilities for women.

PUBLICATIONS. *Calendar* (Oct.), 5s. 9d.; *Students' mag.*, "Q."

THE YEAR 1949-50

BENEFACTIONS. £350 from family of Mr. Justice R. D. Megaw to furnish a room in the Library in memory of their father; £730 from Mrs. S. G. Callender Bullock; £1000 from Sir Thomas Houston to Fac. of Med.; £350 from the Flax Development Cttee. to found prize for Mycol. and Plant Pathol. and prize for essay on some aspect of cultivation and processing of flax; £25 from Miss Esmé Mitchell and £100 from anon. donor for students in need; grant of £900 by Nuffield Foundation towards res. into health in Linen Industry; £150 from the Three Arts Operatic Soc. for purposes of Dept. of Music; grant of £1000 from Cow and Gate Ltd. to continue their Scholp. in child health; £2000 from George Scott Robertson Memorial Fund Trustees to found annual public lecture on agricultural subject; grant of £650 from Medical Res. Council for survey of tuberculosis sensitivity in children; gifts of funds by Miss Olive E. Baguley towards institution of Chair of Music.

NEW BUILDINGS. Additional floor added to Inst. of Pathol. Work begun on 2 Clinical Blocks on site of Royal Victoria Hospital and Inst. of Pathol.

NEW POSTS. Lectureships in Dental Surg., Child and Preventive Dent., Physiol. for Dental students, Materials and Processes in Dent., Chem.; Pt.-time Lectureship in Surg. for Dental students; Pt.-time Lectureship in Med. for Dental students; Pt.-time Lectureship in Accounting; Pt.-time Lectureship in Hebrew; Post of Welfare Officer; Dir. of Physical Educn.; Asst. to Dir. of Physical Educn.; Asst. Catering Officer; Tutorship in Practical Work in School of Social Studies; Buildings Officer.

OTHER DEVELOPMENTS. Prof. Eric Ashby, Prof. of Bot. at Univ. of Manchester, apptd. President and Vice-Chancellor from Sept. 1, 1950. Archæol. and Psychol. added to Fac. of Science as subsidiary subjects. Fees in all Facs., except Applied Sci. and Technol., increased. Depts. of Maths. and Mathematical Phys. renamed Pure Maths. and Applied Maths. respectively. Prof. R. G. Baskett, Prof. of Agric. Chem., given leave of absence for 3 yrs. to accept an invitation to act as Agricultural Attaché to British Embassy in Washington.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. G. Waterhouse (German) exchanging with Prof. Geissendoerfer of Illinois and Prof. Reinsch of California. Prof. H. R. Pitt (Maths.) to Harvard.

RESIGNATIONS AND RETIREMENTS. A. N. Ricketts, Asst. Librarian, on appt. as Supt. of Harold Cohen Library, Liverpool; Prof. H. R. Pitt (Maths.), on appt. to Chair at Nottingham; J. H. Harrison (Bot.), on appt. to Lectureship at Univ. Coll., London; R. S. I. Sloan (Clinical Dental Surg.), R. H. Livingston (Asst. Lectr. in Pathol.), on appt. as Surgical Registrar; R. J. Nicholson (Res. Asst. in Economics) to post of Lectr. in Statistics at U.C., Hull; J. W. Blake (Hist.), on appt. to Chair of Hist. in U.C. of N. Staffordshire; B. R. Williams (Economics), on appt. to Chair of Economics in U.C. of N. Staffordshire; Prof. S. D. Nisbet (Educn.), on appt. to Chair at Glasgow from Oct. 1, 1951; E. H. Gordon (Preventive Med.); Dr. W. R. M. Strain from office of Esquire Bedell.

DEATHS. H. Stevenson, member of Senate since 1942; Emeritus Prof. T. H. Milroy (Physiol.); H. L. McCready, member of Senate since 1924.

HONORARY DEGREES. *LL.D.*—Viscount Nuffield; Emeritus Prof. W. J. Wilson, former Prof. of Public Health in the Univ. *D.Lit.*—Prof. C. A. Campbell, Prof. of Logic and Rhetoric, Univ. of Glasgow. *D.Sc.*—R. F. Kennedy, Prof. of Neurol. at Cornell Univ. Medical Coll. *M.A.*—C. J. Brennan, former Lectr. in Music in the University and Organist to the City of Belfast. *M.Agr.*—J. Clarke, farmer and potato breeder, Mosside, Co. Antrim.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	327	1819
Women	53	542
Total	380	2361

Included in the above are 156 postgraduate students and 611 first-year admissions.

DEGREES. *Agric.*—B.Agr., 20; *Arts*—D.Lit., 1; Ph.D., 4; M.A., 8; B.A., 107; *Commerce*—B.Com.Sc., 20; *Dent.*—B.D.S., 2; L.D.S., 15; *Economics*—B.Sc. (Econ.), 19; *Educn.*—B.Ed., 3; Dip.Ed., 28; *Law*—LL.B., 25; *Med.*—M.D., 15; M.B., 104; D.P.H., 4; *Sci. (Pure)*—D.Sc., 1; Ph.D., 9; M.Sc., 11; B.Sc., 98; *Sci. (Applied)*—Ph.D., 1; M.Sc., 7; B.Sc., 66; Cert. Radio Eng., 4; *Sci. (Civil Eng.)*—M.Sc., 2; B.Sc., 43; *Social Studies*—Dipl., 7; Certif., 2; *Theol.*—B.D., 4.

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CARLETON COLLEGE (p. 652)
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UNIVERSITY OF SASKATCHEWAN (p. 786)
SIR GEORGE WILLIAMS COLLEGE (p. 795)
UNIVERSITY OF TORONTO (p. 800)
 UNIVERSITY OF TRINITY COLLEGE (p. 831)
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CANADIAN UNIVERSITIES

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.

The requirements for entry by non-Canadian certificates into the Universities of Canada differ considerably. Generally it would be true to say that an applicant from Great Britain or any of the other Dominions would be considered to be qualified if he had met the entrance requirements of a recognized University in Great Britain. In some Universities a "credit" in the School Certificate Examination of any of the British examining bodies was treated as giving Senior Matriculation standing in this subject. In others it was considered to be of Junior Matriculation standard only. The new General Certificate of Education will probably receive equally diverse evaluations, and any attempted statement covering all the Canadian Universities would be either misleading or exceedingly complicated. Students in other parts of the Commonwealth who think of going to a Canadian University, or those advising them, should therefore write directly to the Registrar of the University in which the student may be interested and ask for definite information. Similarly students of other Universities who wish to transfer into a higher year of a Canadian college should write directly to the Registrar.

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 Sept. 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. (Telephone: 3-1227.) 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 yrs. 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 yrs. 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: \$225 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 \$1,000,000.

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.

The 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 1950, the total general endowment was \$12,776,571.79; assets were \$13,398,915.57.

Since 1905, the Foundation has disbursed, to 4654 persons, some \$57,492,194.06 in free retiring allowances, disability allowances, and widows' pensions, in 168 Colleges, Universities, and technical schools. In 1950, allowances and pensions were being paid to 2089 persons, and 495 persons remained on the Foundation list, on Sept. 30, 1950, 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.

The CANADIAN BRITISH EDUCATION COMMITTEE has been established to encourage students leaving school in Great Britain to take a course at a Canadian University. The idea of the committee is that this not only makes the best

introduction to Canadian life for those who intend to make their career in the Dominion, but that the experience of a Canadian University will tend to produce a graduate of fresh outlook and wide interests who will be well fitted to make a career in any part of the world.

McGill University and the University of Toronto both reserve a number of places for students under this scheme. Those sponsored by the committee are allowed by the Treasury to exchange sufficient sterling into Canadian dollars to cover the cost of their courses ; many students earn part of their expenses by working during the long summer vacations. The committee has no Scholarships to offer except 10 bursaries of \$300 each, tenable for 1 yr., which are offered to students from the United Kingdom who wish to study mining engineering or geology at a Canadian University. The committee does not sponsor students until they have gained advanced standing in the General Certificate Examination, except for certain faculties ; *e.g.* Agriculture, Engineering, Mining, etc., in which the first yr. of the University curriculum includes technical courses that cannot be studied at school.

Further particulars may be obtained from the Hon. Secretary, The Canadian British Education Committee, 62 Trafalgar Square, London, W.C.2.

ACADIA UNIVERSITY*

WOLFVILLE, NOVA SCOTIA

Founded 1838; Incorporated 1840

Telephone : Registrar—Wolfville 433.

PRESIDENT—WATSON KIRKCONNELL, M.A. Qu., Ph.D. Debrecen,
LL.D. Ott. and New Br., D.P.Ec. Ukr. Free U., F.R.A.I.,
F.R.Hist.S., F.R.S.C.

CHAIRMAN OF THE BOARD OF GOVERNORS—M. R. ELLIOTT, M.D. Harv.,
B.A., D.C.L.

PROVOST—R. S. LONGLEY, M.A., Ph.D. Harv., LL.D. McM., B.Sc.

REGISTRAR—RUBY M. THOMPSON, B.A

BURSAR—H. K. MOSHER.

LIBRARIAN—.....

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.

DeWitt, C. E. A., B.A., M.D.,
C.M. McG.

Med. Officer and Instr.

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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

Neatby, L. H., M.A. Sask.,
Ph.D. Tor. Asst. 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.

Education, School of

Marshall, M. V., Ed.D. Harv.,
B.A., B.Sc. Dir. and Prof.

Engineering

Cain, B. N., B.E. N.S.T.C.

I. Curry Assoc. Prof.

Spence, G. D., B.Sc. N.S.T.C.

Asst. Prof.

De Wolfe, E. L., B.E. N.S.T.C.

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.

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

Cameron, H., M.Sc. McG.

Robinson, C. W., M.A. Yale
Asst. Prof.
Asst. Prof.

German

Ross, R., M.A. Yale Prof.

History

Longley, R. S., M.A., Ph.D. Harv.,
LL.D. McM., B.Sc.

Alumni Prof.

Cornell, P. G., M.A. Tor. Asst. Prof.

Beck, J. M., M.A. Asst. Prof.

Home Economics, School of

MacMillan, Elizabeth, B.Sc.
(H.Ec.), M.Sc. Corn.

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.

Mathematics

Snow, D. O., M.A. Assoc. Prof.

Taylor, S., M.A. Oxon.

Assoc. Prof.

Haley, D. K., M.A. Stanford

Asst. Prof.

Music

Collins, E. A., Mus.B. Camb.,
F.R.C.O. Dean and Prof.

Noble, Mrs. Elsa, 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.

Physical Education

Kelly, F. G., B.A. Assoc. Prof.

McManus, J. S., B.P.E. Tor.

Asst. Prof.

Harrington, Margaret, B.P.E. Tor.

Instr.

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

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.

Alexander, Katherine, B.A. Instr.

Theology

Biblical Literature and Interpretation

Lumsden, C. B., B.D. Newton,
Ph.D. Yale, B.A. Prof.

Levy, G. E., M.A. McG., B.D.,
Th.D. United Theol., B.A.

Lectr.

Church History

Whidden, E. MacD., M.A. McM.,
B.D. Yale Prof.

Philosophy and Systematic Theol.

Fraser, R. MacG., M.A., B.D.
McM., Ph.D. Yale Prof.

Practical Theology

Warren, G. C., B.D. Newton,
B.A., D.D. Armstrong Prof.

ADMINISTRATIVE AND OTHER STAFF

Jr. Dean : P. G. Cornell, M.A. ; Dean of Women : Marion E. Grant, M.A., D.Paed., LL.D. ; Veterans' Adviser : N. H. Morse, M.A. ; Univ. Physician : C. E. A. DeWitt, M.D. ; Field Representative : Rev. R. S. Dunn, B.A., B.D. ; Plant Superintendent : R. Roscoe, B.Sc. ; Dietitian : Mildred G. Meadows, B.Sc.

ASSOCIATED INSTITUTIONS

Approved graduates of Acadia and other recognized Universities who successfully complete a further two yrs. of professional training at the Maritime School of Social Work, Halifax, N.S., are granted by Acadia the degree of Master of Social Work (M.S.W.). Director : L. T. Hancock, 201 Morris Street, Halifax, N.S. (*Telephone* : Halifax 3-6907.)

GENERAL INFORMATION

Founded in 1838 by the N.S. Baptist Educational Society, Acadia College was incorporated in 1840 by Act of the N.S. Legislature, with the powers of a University and the name changed to Acadia University by an Act of Legislature in 1891. Endowment, \$1,200,000 ; Physical Plant, \$2,106,041.28. The Board of Governors is appointed by the Baptist Convention of the Maritime Provinces, but the students are subject to no religious tests.

FACULTIES AND SCHOOLS. Faculty of Arts and Science (Dean : R. S. Longley) ; School of Theology (Dean : G. C. Warren) ; School of Music (Dean : E. A. Collins) ; School of Home Economics (Dean : Elizabeth MacMillan) ; Ivan Curry School of Applied Science (Dean : B. N. Cain) ; School of Education (Director : M. V. Marshall) ; School of Secretarial Science (Director : Jean Cameron).

ENTRANCE REQUIREMENTS. Students are admitted to the first yr. in Arts with 50 per cent. standing on the jr. matriculation examn. of any Canadian province in the following subjects : English, Latin, a second language, Algebra, Geometry, Physics or Chemistry, History or Music. There are minor variations for the other courses of the Univ. Students from other countries will have their matriculation standing evaluated on an individual basis. To cope with special cases, the Univ. also offers matriculation examinations of its own in Sept. of each yr.

DEGREE COURSES. 4 yrs.—B.A., B.Th., B.Sc., B.Sc. (H.Ec.), B.Mus. ; 1-yr. graduate study—M.A., M.Sc., M.Mus., B.Ed. ; 3 yrs.' graduate study—B.D. The following non-degree certificates are also listed : 3 yrs.—Diploma in Home Economics, Certificate in Applied Science, Licentiate in Music, Secretarial Science Diploma. 2 yrs.—Junior Arts. The Applied Science certificate enables students to enter without examination into the Nova Scotia Technical College and the third-yr. classes of McGill Univ.'s Fac. of Engineering.

FEES. \$35 per undergraduate subject, lab. fees and general fees additional. Postgraduate fees, \$180.

SUMMER SCHOOL. Organized in 1933 to provide courses of study for teachers of the province wishing to qualify for the Master's degree, which is a necessary qualification for academic licence issued by Dept. of Educn. of Nova Scotia. Four summer sessions are required as equivalent of one full academic yr. All the work for the 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.

GRADUATE SCHOLARSHIPS. Aaron Jenkins Perry, \$100 (English); Vaughan Memorial, \$250 (History); William Inglis Morse Research Fellowship, \$400 (History or English); Henry Burton DeWolfe, \$100 (Biology); Murdock C. Smith, \$450 (Marine Biology).

EMPLOYMENT. A joint faculty-student committee co-operates with the placement service of the Federal Dept. of Labour.

GRADUATES. The graduates of Acadia Univ. are organized as the "Associated Alumni," with annually elected officers and a paid secretary-treasurer. They edit an official publication, the *Acadia Bulletin* (6 times a year), and nominate eight members to the University's Board of Governors.

LIBRARY. 90,000 volumes. Laboratories: Biology, Chemistry, Geology, Physics, Engineering, Home Economics. Greenhouses and Arboretum. Astronomical Observatory.

RESIDENCES. For men: Memorial Residence (Dean, R. E. Watson), 187; Willett Hall (Dean, D. O. Snow), 64; Academy Residence (Dean, G. Guptill), 42; Westwood, 19. For women: Whitman Hall (Dean, Marion E. Grant), 119; Seminary (Dean, Dorothy Fraser), 58. Room and board, \$15 a week.

DEFENCE TRAINING. (a) Acadia University Naval Training Division, Staff Officer, Lieut. A. T. Love, R.C.N. (b) Acadia University Contingent, C.O.T.C. Officer Commanding: Major F. G. Kelly. Resident Staff Officer: Major C. Hutchins.

STUDENT HEALTH SERVICE. The University has its own resident physician, nursing service, and hospital wards for men and women.

ATHLETIC FACILITIES. There is the Memorial Gymnasium with swimming pool, games floor, and running track; Raymond Field, with facilities for football, baseball, ground hockey, and track; and the University rink with artificial ice for ice hockey and skating.

STUDENTS' UNION. A Union Building, erected in 1949 and administered by student committee, has a cafeteria, student offices, and a reception room.

PUBLICATIONS. *Calendar* (April, gratis on request); *Students' Year Book* (May); *Athenæum* (weekly, Oct. to April). Official history: *Acadia University, 1838-1938*, by R. S. Longley (Wolfville, 1939, o.p.).

THE YEAR 1949-50

NEW BUILDINGS. Students' Union bldg., erected by student funds, was opened on the campus. A nursery school was inaugurated, in assoc. with depts. of Psychol. and Educn.

RESIGNATION. H. W. Hilborn, on appt. as Prof. of Spanish at Queen's Univ.

DEATHS.—T. M. Dadson, Prof. of Hist.; E. W. Sheldon, Prof. of Maths.; W. H. Thompson, Prof. of Classics; H. N. Hutchins, Emeritus Prof. of Hebrew.

HONORARY DEGREES. *D.C.L.*—H. P. Moffatt, Dep. Minister of Education, Nova Scotia; W. K. Tibert, Dir. of Vocational Training, New Brunswick; Judith M. Trotter, Principal, Moulton College, Toronto, Ont. *D.D.*—I. A. Corbett, clergyman; R. C. Eaton, clergyman. *D.Litt.*—T. M. Dadson, Prof. of Hist. *M.A.*—Margaret S. Brown, veteran bryologist.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	4	487
Women	11	235
Total	15	722

Included in the above are 55 postgraduate students and 154 first-year admissions.

DEGREES, ETC. B.A., 110; B.A. (Hons.), 8; M.A., 19; B.D., 3; B.Ed., 25; B.Sc. (Home Ec.), 13; B.Sc. (Indust. Arts), 1; Mus. Bac., 5; B.Sc., 42; B.Sc. (Hons.), 4; M.Sc., 2; B.Th., 1; Appl. Science Cert., 22; Lic. Mus., 1; H.Ec. Cert., 1; Sec. Sc. Cert., 17; Women's Leadership Diploma, 2.

UNIVERSITY OF ALBERTA *

EDMONTON

Founded 1906

Telegraphic Address: VERA (A.B.C. Code).

VISITOR—The Honourable JOHN JAMES BOWLEN, Lieutenant-Governor of Alberta.

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DIRECTORS OF SCHOOLS—*Pharmacy*: MERVYN JAMES HUSTON, M.Sc., Ph.D. *Household Economics*: MABEL PATRICK, M.A. *Nursing*: HELEN EILEEN MARIE PENHALE, B.Sc., M.A.

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

<i>Accounting</i>	Rawlinson, H. E., M.Sc., Ph.D.
Campbell, J. D., M.Com. Qu.	McG., M.D. Prof.
Prof.	Minish, N. J., M.D. Manito.
Goodale, D., B.Com. Sask.	Hon. Asst. Prof.
Asst. Prof.	Salt, W. R., M.Sc. Asst. Prof.
<i>Agriculture, v. infra</i>	Instructors
<i>Anatomy</i>	Richard, H. L., M.D., F.R.C.S. Can.
Shaner, R. F., Ph.B. Lafayette, Ph.D. Harv., F.R.S.C. Prof.	Hardy, A. W., M.D., F.A.C.S.
Greene, E., M.D., C.M. McG., F.R.C.S.Ed., F.A.C.S.	<i>Bacteriology, v. Med.</i>
Hon. Prof.	<i>Biochemistry</i> [Prof.]
	Collier, H. B., M.A., Ph.D. Tor.

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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.
 Assoc. Prof.
 Cormack, R. G. H., M.A., Ph.D.
 Tor. Assoc. 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. Assoc. Prof.
 Davis, S. G., Ph.D. McG., M.Sc.
 Assoc. 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).
 Gillespie, J. F., B.Sc. Sessl. Instr.
 Dunford, H. B., B.Sc.
 Sessl. Instr.
 Hay, A. S., 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. Hart-
 ford, 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.
 Calif., M.A., M.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, Cal-
 gary Branch, Fac. of
 Edn.
 Coutts, H. T., B.A. Tor., M.A.
 Prof.
 Dunlop, G. M., M.A. Prof.
 McDougall, W. D., D.Ed. Col.,
 M.A. Prof.
 Aikenhead, J. D., B.A. Manit.,
 M.A. Chic.
 Assoc. Prof. (Calgary).
 Baker, H. S., B.A. Tor., D.Ed.
 Col., M.A. Assoc. Prof.
 Chittick, R., B.Sc. Col., M.A.
 Stanford
 Assoc. Prof. (Calgary).
 Finn, T. G., A.M. Stanford, B.A.
 Assoc. Prof. (Calgary).
 Gilles, J. W., Ed.D. Stanford,
 M.A., M.Ed.
 Assoc. Prof. and Dir. of
 Summer Session.
 MacGregor, H. A., M.S. Corn.,
 B.Sc. Assoc. Prof.
 Oliver, Zella J., M.A. Col., B.A.
 Assoc. Prof.
 Sheane, G. K., M.A.
 Assoc. Prof. (Calgary).
 Simpson, Maimie S., M.Sc., M.Ed.
 Assoc. Prof. and Dean
 of Women.
 Sparby, H. T., B.Sc., M.A.
 Assoc. Prof. and Provost.
 Buxton, E. W., B.A., B.Ed.
 Asst. Prof. and Asst.
 Provost (Calgary).
 Card, B. Y., B.Sc., B.Ed.
 Asst. Prof.

Clarke, S. C., Ed.D. Stanford,
M.A., M.Ed. Asst. Prof.

Higgin, Gertrude C., B.A. Montana
Asst. Prof.

Hodgson, W. E., B.A., B.Ed.
Asst. Prof.

Melsness, H. C., B.Sc. Asst. Prof.

Newton, Bertha M., B.Sc. in Ed.
Calif., A.M. Chic.

Asst. Prof. (Calgary).

Rees, R. E., Ph.D. Northwestern,
B.A., B.Ed. Asst. Prof.

Stadelbauer, Helen B., B.Sc., M.A.
Col. (Art)

Asst. Prof. (Calgary).

Walker, B. E., M.A. Asst. Prof.

Forbes, J. A., B.Ed. (Art) Lectr.

Barnett, H. B., B.A. Tor.

Lectr. (Calgary).

Caldwell, Muriel Lectr.

Dey, Jean D. 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. and Alta.
Prof.

Scargill, M. H., B.A., Ph.D. Leeds
Asst. Prof.

Ryan, A. A., M.A. Asst. Prof.

Graham, V. E., B.A. Oxon., B.A.
Asst. Prof. (Calgary).

Kreisel, H., M.A. Tor. Asst. Prof.

Elder, A. T., M.A. Tor., B.A.
Lectr.

Godfrey, D. R., B.A., Ph.D. Dub.
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) Asst. Prof.

Crichton, 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. Assoc. Prof.

Stelck, C. R., M.Sc., Ph.D. Stan-
ford Asst. Prof.

History

Long, M. H., B.A. McM., M.A.
Oxon., F.R.S.C. Prof.

Collins, R. W., M.A. Acad., Ph.D.
Col., B.D. Union Theol. Sem.,
F.R.Hist.S. Prof.

Thomas, L. G., M.A.
Assoc. Prof. and Sec.,
Fac. Arts and Sci.

Self, G. M., M.A. McG., Ph.D.
Chic. Asst. Prof. (Calgary).

Blackley, F. D., M.A. Tor.
Asst. Prof.

Household Economics

Patrick, Mabel, B.A. Tor., M.A.
Col. Director, Prof.

McIntyre, Hazel, M.S. Ames,
B.Sc. Assoc. Prof.

Duggan, Grace L., M.Sc. Chic.,
B.Sc., B.Ed. Asst. Prof.

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.

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. Prof.
Reed, G. W., B.A., LL.B. Tor.
Asst. Prof.
Thompson, A. R., LL.B. Manit.
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.
Shortreed, J. W. K., B.A. Tor.,
LL.B.
Sinclair, W. R., B.Com., LL.B.

Mathematics

- Campbell, J. W., M.A. Qu., Ph.D.
Chic., F.R.S.C. Prof.
Keeping, E. S., B.Sc. Lond.,
D.I.C. Prof.
Wyman, M., Ph.D. Cal. Tech.,
B.Sc. Assoc. Prof.
Phibbs, E., M.A. Camb. Asst. Prof.
Crosby, D. R., Ph.D. Princet.,
D.Phil. Oxon., B.Sc.
Asst. Prof.

Lecturers

- Fostvedt, T., M.S. Chic., B.Sc.
Jacka, R. C., M.S. Chic., B.Sc.
Jordan, H. A., Ph.D. Frankfurt am
Main.
Shaw, A., B.Sc.
Fisher, L. A., B.Sc., B.Ed.

*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. (Ro-
mance Langs.) Assoc. Prof.
Müller, E., Ph.D. Northwestern,
M.A. (German) Assoc. 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. (Psychol.) Prof.
Mardiros, A. M., M.A. Melb.,
M.Litt. Camb. (Philos.)
Assoc. Prof.
Spearman, D., M.A. McG., M.A.,
Ph.D. Montreal
(Psychol.) Asst. Prof.

Physical Education

- Van Vliet, M. L., M.S. Oregon,
Ed.D. U.C.L.A. Prof.
Eriksson, A. W. E., M.Sc., M.A.
Wash. Assoc. Prof.
Smith, W. D., B.P.H.E. Tor.,
M.A. Calif. Asst. Prof.
Hastie, Evangeline A., B.A. Tor.
Asst. Prof.
Goodwin, L., B.A., B.Ed.
Asst. Prof. (Calgary).
Austin, Patricia, B.P.H.E. Tor.
Lectr.
McLachlin, H. J., B.Sc. McG.
Lectr.
Fildes, Elaine A., B.Sc. McG.
Lectr.

Physics

- Grayson-Smith, H., M.A., Ph.D.
Tor., F.R.S.C. Prof.

Nichols, L. H., B.A. McG., M.A.,
F.R.Met.S. Assoc. Prof.
Gowan, E. H., D.Phil. Oxon.,
B.A., B.Sc., F.R.Met.S.

Assoc. Prof.
Scott, D. B., B.A. Tor., Ph.D.
McG. Assoc. Prof.
Newbound, K. B., M.Sc. Manit.,
Ph.D. Mass. Asst. Prof.
Harrold, J. H., M.A., Ph.D. Tor.
Asst. Prof.
Sharp, R. T., M.Sc. McG. 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.
Heath, C., B.Sc. Lectr.

Political Economy

Mayo, H. B., M.A., D.Phil. Oxon.
(Political Science) Prof.
Hanson, E. J., B.A. Qu., M.A.
Asst. Prof.
Self, G. M., M.A. McG., Ph.D.
Chic. Asst. Prof. (Calgary).
Gainer, W. D., M.S. Iowa State,
B.Sc.
(Business Admin.) Asst.
Prof.
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.
Prof.
Moore, E., M.A. Sask. Asst. Prof.
Clare, S., B.A. Kansas, M.S. Iowa
Sta., Ph.D. Chic. Asst. Prof.

Agriculture

Agr. Engineering

Stephanson, B. T., B.E. Sask.
Assoc. Prof.
MacHardy, F. V., B.E. Sask.
Lectr.

Animal Science

McElroy, L. W., Ph.D. Calif.,
M.Sc. 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) Assoc. Prof.
Bowland, J. P., B.S.A. Manit.,
M.S. Wash., Ph.D. Wisc.
Asst. Prof.
Q'Donoghue, J. G., D.V.M. Tor.
(Vet. Sc.) Lectr.
Berg, R. T., B.Sc. Lectr.

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.
Dean, Fac. of Agric.,
Prof.
Henry, A. W., M.S.A. Sask., Ph.D.
Minn. (Plant Pathol.) Prof.
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M.Sc. (Genetics and Plant
Breeding) Prof.
Hilton, R. J., B.Sc. McG., Ph.D.
Lond. (Horticulture)
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Assoc. Prof.
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Ph.D. Wash. (Genetics and
Plant Breeding) Assoc. Prof.
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Soils

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Ph.D. Calif. Prof.
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Fac. of Agric.

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Dentistry

Hamilton, W. S., L.D.S., D.D.S.
Tor., F.A.C.D., F.D.S.R.C.S.
(Oral S.)
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Prof.
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D.)
Blaquiere, R. H., D.D.S.
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Fee, A. D., D.D.S.
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Webber, W. E., D.D.S., L.D.S.
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Cameron, R. B., D.D.S., L.D.S.
Tor. (D. Therap.).

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Stewart, D. R., D.D.S.
(Prosthetic D.).
Stuart, W. R., D.D.S.
(Prosthetic D.).
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F.R.C.P. (Prosthetic D.).
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).

Engineering

v. also Research Council of Alberta
and Industrial Laboratories

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Sc.D. Mich., M.Sc. Prof.
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Asst. Prof.

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 (Civil E.) Prof.
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 Engin.) Assoc. Prof.
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 and Sec. of Fac. of
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 (Applied Mech.) Lectr.

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Medicine

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

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F.A.C.P. (Clin. Med.) Lectr.

Elliott, J. F., B.A., M.D., F.R.C.P.
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(Clin. Med.) Sessl. Demr.

Peers, A. L., B.A. Camb.
(Clin. Med.) Sessl. Demr.

Nursing

Penhale, Helen E. M., B.Sc., M.A.
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Nursing, Lectr.

4 Hospital Teachers.

Obstetrics and Gynaecology

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Prof.

Baker, J. O., M.D., C.M. Qu.,
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Hon. Prof.

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Horner, R. H., M.D., F.A.C.S.

Asst. Prof.

MacIennan, A. H., B.Sc., M.D.

Asst. Prof.

Hutton, Margaret MacS., B.A.,
M.D., F.R.C.S.Can. Lectr.

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Richie, D.C., B.Sc., M.D. Instr.

Fortier, G. P., B.A. Laval, M.D.,
F.R.C.S.Can. Sessl. Instr.

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*Ophthalmol. and Rhino-Oto-
Laryngol.*

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D.L.O. Prof.

Armstrong, W. S. S., M.D., C.M.
McG.

(Rhino-Oto-Laryng.) Lectr.

Duggan, J. W., M.M.S. Tulane,
M.D.

(Ophthalmol.) Sessl. Instr.

Clarke, K. A. C., M.C., B.Sc., M.D.,
(Rhino-Oto-Laryng.) Demr.

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.

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.

Armstrong, H. B., M.D.

Sessl. Instr.

Tander, J. A., M.B.E., M.D.

Sessl. Instr.

Pathology

Ower, J. J., V.D., B.A., M.D.,
C.M. McG., F.R.C.P.Can.

Prof. and Provincial Sero-
logist.

Macgregor, J. W., B.A., M.D.
Provincial Pathologist
and Prof.

Hall, E. H., B.A., M.D. Tor.
Hon. Assoc. Prof.

Waugh, D. O. W., M.D., C.M.,
M.Sc., Ph.D.

Assoc. Prof. and Asst.
Prov. Pathologist.

Hanson, S., M.D. Asst. Prof.

Bell, R. E., M.D.

(Clin. Path.) 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.

Pharmacology, v. Physiol.

Pharmacy

Huston, M. J., Ph.D. Wash.,
M.Sc. Prof. and Dir. of Sch.

Murray, J. R., M.Sc. Asst. Prof.

Riedel, B. E., M.Sc. Asst. Prof.

Anderson, A. J., M.S. Wash.,
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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.

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Radiology

Procter, R., M.D. Manitt. Lectr.

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Malcolmson, P. H., M.D. Tor.,
B.A. Instr.

Mallett, M., M.D., C.M. McG.

Instr.

Clare, R. McC., M.D. Asst. Instr.

Surgery and Clinical Surgery

MacKenzie, W. C., B.Sc., M.D.,
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Hepburn, H. H., M.C., M.D.,
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Stuart, R. D., Ch.B., M.D., D.Sc.,
D.P.H. Aberd., F.R.F.P.S.
Glas.

Prov. Bacteriologist and
Dir.

Shute, D., M.B., Ch.B., M.D. Manc.
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Dean of Fac. of Engineer-
ing and Asst. Dir. of
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Pasternack, D. S., B.Sc. Qu., Ph.D.
McG.

(Bituminous Sands) Sr.
Res. Chemist.

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Charlesworth, J. S., B.Sc.
(Gasoline and Oil Test-
ing) Chemist.

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Asst. Geologist.	
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(Fuels) Asst. Res. Engineer.	

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The PROVINCIAL INSTITUTE OF TECHNOLOGY AND ART, Calgary (*Telephone*: 81559), operates directly under the authority of the Dept. of Education. Affiliated 1926. Principal—J. Fowler, B.A., B.Sc., I.L.D.

GENERAL INFORMATION

The University was created in 1906 by an Act of the first session of the first legislature of the Province. In Jan. 1908 Dr. Henry Marshall Tory entered on his duties as President. The 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 was opened on May 15, 1951. The Faculty Apartment Houses, built to accommodate some of the married members of the rapidly growing faculty, were opened in 1947. A Students' Union bldg. was completed in 1950, as well as a new bldg. to accommodate the Provincial Laboratory of Public Health.

In 1944 the University assumed responsibility for all teacher training in the province and at April 1, 1945, took over the Provincial Normal Schools and their staffs. The Calgary Normal School, which was housed in the building

of the Provincial Institute of Technology and Art, became the Calgary Branch of the University.

LIBRARY, 140,000 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, Irrigation, Petroleum and Mining) ; Dentistry ; Education ; Law ; Medicine (with associated School of Nursing) ; School of 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.). "Combined" courses : 5 yrs.—B.A., B.Com. ; 6 yrs.—B.A., B.Sc. (Engineering).

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 tantum*.

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 the Temporary Licence. *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., from \$145 to \$165 ; B.Sc., \$165-\$180 ; B.Com., \$165-\$200 ; B.Sc. (H.Ec.) and B.H.Ec., \$165-\$180 ; B.Sc. (Agric.), \$150-\$190 ; B.Sc. (Engineering), \$210-\$260 ; D.D.S., Pre-dental, \$165, other years, \$300-\$350 ; B.Ed., \$135-\$160 ; LL.B., \$200-\$225 ; M.D., \$425-\$450 ; B.Sc. (Nursing), I—\$165, V—\$180, II, III, and IV, gratis ; B.Sc. (Pharmacy), \$190-\$215. Inclusive fee for Master's degree, \$150-\$225. General Fees : Registration, \$8 ; Library, \$5 ; Medical Service : Edmonton, \$8 ; Calgary, \$5 ; Students' Union : Edmonton, \$20.50 ; Calgary, \$14.50.

RESIDENCES. Pembina Hall, 152 women ; Athabasca Hall, 138 men ; Assiniboia Hall, 186 men, plus accommodation for 229 men in affiliated Colleges. Cost of room and board, \$55 to \$60 per month. Full meal and restaurant service provided by cafeteria. Social life is under the supervision of the Provost.

APPOINTMENTS. A sub-office of the Edmonton branch of the National Employment Service, managed by a graduate of the University, is located on the campus. This serves both graduates and undergraduates.

ALUMNI ASSOCIATION. All graduates are members of the Alumni Association, whose operations are controlled by a Council of twenty members. The Alumni Secretary-Treasurer, employed by the University, has his office in the Students' Union Building; he is also editor of *The New Trail* (see below).

UNIVERSITY PRESS. The University maintains its own printing and book-binding establishment on the campus.

NAVAL, MILITARY, AND AIR UNITS. Officer's training is provided for undergraduates by the University Naval Training Division of the Royal Canadian Navy, the Alberta Contingent of the Canadian Officers' Training Corps of the Canadian Army and the Reserve University Flight of the Royal Canadian Air Force.

MEDICAL SERVICES. All undergraduate students pay an annual fee which is applied to the maintenance of a Medical Service Fund. This trust fund is administered by a committee consisting of the Provost (chairman), the Medical Director, the Bursar, the President of the Students' Union, the President of the Wauneita (Women's) Society, the Treasurer of the Students' Union, and the Chairman of one House (Residence) Committee. Students are entitled to medical treatment, under certain conditions and provisions.

ATHLETIC FACILITIES. Playing fields for Rugby and Association football and running track. University Gymnasium (formerly R.C.A.F. Drill Hall) with courts for basket-ball, volley-ball, and badminton. Ice-hockey rink opened in 1927 and paid for by student contributions.

STUDENTS' UNION. Student affairs in Edmonton and at the Calgary Branch are handled by a Students' Union at each place. In Edmonton the Union occupies extensive offices in the new Students' Union Building (1950) and employs a permanent Secretary. The S.U. fee collected by the University at the time of registration includes a substantial contribution to the Building Fund and a subscription to the *Gateway* (see below).

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, Oral French, and Photography.

PUBLICATIONS. *Calendar* (summer); *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, weekly); *Evergreen and Gold* (annually by students); *Western Theatre* (quarterly, by Depts. of Fine Arts and Extension), *Stet* (Students' Literary Quarterly).

THE YEAR 1949-50

BENEFACTIONS. National Res. Council, \$34,703.07 in accountable advances for res. work carried out under the direction of certain staff members; National Cancer Inst. of Canada, \$9,962.36 as grants-in-aid of cancer res. under the direction of certain staff members; Dept. of National Health and Welfare, through the Alberta Provincial Dept. of Health, \$7450 as res. grants;

Alberta Div. of the Canadian Cancer Soc., \$6850 as res. grants, including a film library for teaching purposes, particularly in cancer, medical aspects of nuclear energy and clinical res.; John and Mary R. Markle Foundation, \$5000 scholp. for medical teaching and res.; Central Mortgage and Housing Corp., \$5000 in renewed support of Prairie Rural Housing Cttee.; anon. donor, \$4000 for cancer res.; Barley Improvement Inst., \$3000 for res. grants; Alberta Tuberculosis Assn., \$3000 res. grants; Consolidated Mining and Smelting Co. of Canada, Ltd., \$3000 for res. on the nutritive value of crops produced on grey wooded soils; Defence Res. Board, \$2850 for res. grants in Depts. of Entomol. and Psychol.; Alberta Seed Growers' Co-operative, \$2000 for res. on problems of forage seed production; Div. of Entomol. Dept. of Agriculture, \$2000 for res. project in Dept. of Bacteriol. and Hyg.; N. American Cyanamid Ltd., \$1900 for res. on chemical defoliation and straw decomposition; Canadian Foundation for the Advancement of Pharmacy, \$1750 for graduate res. in School of Pharmacy; Maple Leaf Milling Co. Ltd., \$1200 for work on improvement of varieties of soft wheat in Southern Alberta; Purity Flour Mills, Ltd., \$1200 for res. on white spring wheat in Western Canada; United Grain Growers Ltd., \$500 in continuing support of oil seed res. programme, and also \$300 to assist turkey res.; Robert Tegler Trust, \$500 for res. in Dept. of Medicine on use of Vitamin B₁₂ in treatment of multiple sclerosis; Line Elevators Farm Service, \$500 for investigations on winter wheat; Science Service, Dominion Dept. of Agric., \$450 as final payment for 1949-50 on co-operative ecological survey of Northern Alberta; Dow Chemical Co., 50 lb. of d₁-Methione, worth approx. \$450, for use in poultry; Ogilvie Flour Mills Co. Ltd., \$250 for res. on white spring wheat; Jefferies & Sons Ltd., \$200 for concrete res.; Dept. of Veteran Affairs, \$70 for res. work in Faculty of Agriculture; Imperial Oil Ltd., \$2000 for construction of a potentiometric reservoir model for use in petroleum engin. instruction; Coll. of Physicians and Surgeons of Alberta, \$400 to purchase books for Medical Library to cover annual grants for 1949 and 1950; C. Gallinger, a shorthorn steer calf; G. H. MacDonald and A. W. Haddow, \$83.37, the residual funds of the former Universities Assn., to be added to the Students' Union Building furnishing fund; Class of 1950, \$110 towards cost of erecting an outdoor bulletin board on the campus; Alberta Wheat Pool, \$1000 to assist the building programme of the Banff School of Fine Arts; Mrs. S. H. McCuaig, her half-interest in the library of Canadiana originally owned by her father, the late Chancellor A. C. Rutherford; Mrs. G. M. Smith and Mr. B. Spooner, the personal library of the late Dean G. Smith; Friends of the Univ., a total of \$2766 as follows: Burns & Company Ltd., \$500; H. R. Milner, \$250; Model Dairies, \$200; Mr. John Dower, \$100; *Edmonton Journal*, \$100; T. Eaton Co. Ltd., \$100; Weisler's Ltd., \$100; other donors, \$1416.

NEW SCHOLARSHIPS. The A. Wyman Memorial Gold Medal in Maths., presented by the family of the late Mr. Wyman to a graduating student in Honours Maths.; The Chief Justice's Silver Medal in Law, presented by Chief Justice G. B. O'Connor to a graduating student in Law; The Imperial Oil Graduate Res. Fellowships were increased in value from \$3000 each to \$3750 each; The Dorothy Jean Usher Memorial Scholp.—a capital endowment of \$10,000 given by T. Usher for medical res. on some aspect of Medicine, with preference given to investigation relating to leukaemia; six City of Edmonton Scholps. of \$300 each—two for matriculants and four for undergraduate students, all tenable in any fac.; The Stapells Graduate Scholp. of \$250 for graduate study in languages, lit., or the social sciences at the Univ. of Alberta, presented by F. Stapells of Calgary, a member of the Univ. Senate; Board of Governors Awards in the Facs. of Arts and Science, Agric., Educ., Engin., and

Law became Scholps., being increased in value from \$50 to \$100; The Oilfield Technical Society Prize in Petroleum Engin. of \$25 in books for a student in third-year Petroleum Engin.; First-Class Standing Prizes of \$25 each instituted by the Univ. to all students obtaining an average of 80 to 84 per cent on a complete year's work; The Edmonton Home Economics Prize of \$15 offered to a graduating student in Nursing; The University Women's Club Student Loan Fund instituted to provide small loans for women students.

EXTENSION WORK. Lantern slides sent out, yr. ending March 31, 148 sets; miniature slides, 335; film strips, 2640; sets of motion-picture films, 3814. Lectures, 713. Travelling library circulation, 18,013. Open shelf library circulation, 60,755. Radio talks, 224. Banff School of Fine Arts, 488. Univ. Week for Farm Young People, 173. Community Life Conferences, short courses and refresher courses, 2807.

RETIREMENTS. Prof. M. E. LaZerte (as Dean of Educn.); Assoc. Prof. Olive M. Fisher (Educn.); Assoc. Prof. G. S. Lord (Educn.); Asst. Prof. M. E. Hall (Path.); Dr. J. E. Carmichael (Anæsthesia).

RESIGNATIONS. Prof. F. G. Winspear (Accounting); Assoc. Prof. M. M. Cantor (Biochem.); Assoc. Prof. Winifred Hughes (Zool.); Asst. Prof. Iriny de Buisseret (Mod. Lang.); Asst. Prof. C. S. Burchill (Hist.); Asst. Prof. L. C. Hawco (Law); Asst. Prof. Tessa M. Johnson (Phys. Educn.); Asst. Prof. Madeline L. McCulla (Nursing); Asst. Prof. A. S. R. Tweedie (Extension); Asst. Prof. Genevieve Twomey (Educn.); Dr. D. A. Fraser (Bot.); J. B. M. Piercey (Extension); Robert Stuart (Drama); Frances Gowan (Library).

DEATHS. Prof. W. F. Gillespie (Surg.); Dr. J. B. Mackay (Clin. Med.); Prof. Emeritus E. L. Pope (Med.); Prof. Emeritus E. W. Sheldon (Maths.); Prof. J. McG. Smith (Agric. Engin.).

HONORARY DEGREES. LL.D.—Dr. J. W. Clay, Hon. Lectr. in Exodontia, Fac. of Dent. (signalizing 75th anniv. of dental educn. in Canada); L. C. Charlesworth, pioneer engineer and surveyor in Alberta and formerly Dep. Minister of Public Works; Dr. E. Gruening, Governor of Alaska, noted journalist and govt. servant; Dr. R. Newton, then president of Univ. of Alberta, now Dir. of Res. of the Research Council of Alberta, eminent scientist and administrator.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	68	3690
Women	72	2430
Total	140	6120

Included in the above are 266 postgraduate students and 1037 first-year admissions.

DEGREES AND DIPLOMAS. B.Sc. (Agric.), 121; B.A., 146; M.A. 15; B.Com., 67; D.D.S., 49; B.D., 1; B.Ed., 191; M.Ed., 19; B.Sc. (Engineering), 266; B.Sc. (House Econ.), 27; LL.B., 34; M.D., 41; B.Sc. (Nursing), 19; B.Sc. (Pharmacy), 38; B.Sc. (Science), 199; M.Sc., 39 (all groups); Diploma in Education, Junior 282, Senior 85; Diploma in Music, 6; Diplomas in Nursing, R.N. 39, Public Health 9, Teaching and Supervision 9; Diploma in Pharmacy, 2.

UNIVERSITY OF BISHOP'S COLLEGE LENNOXVILLE, QUEBEC

Founded 1853

VISITORS—THE ARCHBISHOP OF QUEBEC and THE BISHOP OF MONTREAL.

CHANCELLOR—JOHN BASSETT, D.C.L., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—A. R. JEWITT, M.A., 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, M.A. Oxon., Ph.D. Corn., D.C.L.; *Divinity*—Rev. W. R. COLEMAN, B.D. Trin. Coll. Tor., S.T.M. U.T.S., N.Y.

TEACHING STAFF

Biology

Langford, A. L., M.A. Qu., 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. Assoc. Prof.

Classics

Preston, A. W., M.A. Edin. and Oxon. Prof.

Divinity

Coleman, Rev. W. R., M.A., B.D. Tor., D.D. Wycliffe Coll. Tor. Dean.

Moffatt, Rev. Canon E. K., M.A., B.D. Manlt. Lectr.

Scott, Rev. E., M.A. Oxon. Mountain Prof.

Education

Jefferis, J. D., M.A. McG., Ph.D. Tor. Prof.

English

Jewitt, A. R., M.A. Oxon., Ph.D. Corn. Acting Hd.

Gray, J., M.A. Aberd. and Oxon. Lectr.

Motyer, A. J., B.A. Mt. All. and 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., Cert. de Phon. & Dipl. Sup. Paris Prof.

Philosophy and Economics

Laskey, D., D.F.C., M.A. New Br. Lectr.

MacIntosh, R. M., M.A. McG. Lectr.

Michell, H., B.A. Oxon., M.A.
 Manit.
 Hon. Lectr. in Economics.

Physics
 Home, M. S., B.A. Br. Col., M.Sc.
 McG. 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 College provides Ordinary courses for the degrees of B.A. and B.Sc., in Arts covering 3 yrs., Honours courses 4 yrs. Theological students may qualify for the B.A. with Theological options in 3 yrs., followed by 2 yrs. of Theological study for the title of L.S.T. Postgraduate work is provided for the degrees of M.A. and M.Ed.

The Degree of Doctor of Civil Law (D.C.L.) may be conferred by grace of Convocation, *honoris causa*.

The degree of Doctor of Divinity, *jure dignitatis*, may be conferred upon any Bishop or Dean of the Church of England at the discretion of Convocation.

The University conducts a Summer School for Teachers which lasts 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, \$475.00 p.a.

PUBLICATION: *Calendar* (March), no charge.

THE YEAR 1949-50

NEW BUILDINGS. In Oct. 1950 a major building programme was completed, including a new residence for men, a residence on the campus for women; an academic building with special provision for science; a gymnasium-auditorium with a capacity for 800; all old buildings were renovated and brought up to date.

HONORARY DEGREES. *June 1950:* D.C.L.—Rt. Hon. Sir Basil Brooke, Prime Minister of Northern Ireland; Hon. A. L. Macdonald, Prime Minister of Nova Scotia; Rev. R. S. K. Seeley, Provost of Univ. of Trinity Coll., Toronto; G. A. Walker, Chairman of the Board, Canadian Pacific Railway; Prof. W. O. Raymond, Hd. of Dept. of English, Bishop's Univ. *Oct. 1950:* Hon. R. Lawson, Chancellor of King's Coll., Halifax, Nova Scotia; Rt. Hon. Lord Beaverbrook; Hon. D. Abbott, Minister of Finance, Govt. of Canada; Sir James Dunn; Robert E. Sherwood.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	168
Women	4	49
Total	6	217

DEGREES. M.A., 3; B.A., 22; B.Sc., 27.

THE UNIVERSITY OF BRITISH COLUMBIA*

VANCOUVER

Founded 1908

Telegraphic Address: UBRICO.

Telephone: Alma 1191.

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHANCELLOR—SHERWOOD LETT, C.B.E., D.S.O., M.C., K.C., 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., New Br., Tor., Ott., Brist., and Alta., D.C.L. Whitman, F.R.S.C.

DEANS—*Arts and Science*—S. N. F. CHANT, O.B.E., M.A.; *Applied Science*—H. J. MACLEOD, O.B.E., B.Sc. McG., M.Sc. Alta., A.M., Ph.D. Harv., F.A.I.E.E.; *Agriculture*—B. EAGLES, M.A., 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. M. WEAVER, A.B. Wheaton, M.S., Ph.D., M.D. Chic.; *Forestry*—L. BESLEY, B.S. Corn., M.F. Yale; *Administrative and Inter-Faculty Affairs*—W. H. GAGE, M.A.; *Women*—M. DOROTHY MAWDSLEY, B.A. McG., Ph.D. Chic., M.A.

EXECUTIVE ASST. TO THE PRESIDENT—G. C. ANDREW, B.A. Dal., M.A. Oxon.

REGISTRAR—C. B. WOOD, B.A. Tor., A.M. Col.

ASSOC. REGISTRAR—JOHN E. A. PARNALL, M.A. Tor., B.A., B.Ed.

ASST. REGISTRAR—MYRTLE L. KIEVELL, B.A.

HONORARY BURSAR—E. D. MACPHEE, M.M., M.A., B.Ed. Edin.

COMPTROLLER—R. M. BAGSHAW.

ACTING LIBRARIAN—ANNE SMITH, B.S.L. Wash., M.A. Mich., B.A.

TEACHING STAFF

Agricultural Economics

Anderson, W. J., B.S.A., M.Sc.
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.

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

Leroux, F. C., B.E. Sask., M.Sc.
Mo. 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., M.Sc.
Mo. Assoc. Prof.
Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agronomy

Moe, G. G., B.S.A., M.Sc. McG.,
Ph.D. Corn.

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.

Stewart, J., 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. Corn., M.S.A.
Assoc. Prof.

Architecture, School of

Lasserre, F., B.Arch. Tor.
Prof. and Dir. of School.

Wisnicki, B. P., Dip. Eng. Lwow
Assoc. Prof.

Binning, B. C. Assoc. Prof.

Porter, J. C. H., B.Arch. McG.
Asst. Prof.

Davison, K. B., B.Arch. Manit.
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.

Thomas, L. A. J. Instr.

Simpson, D. C., B.Arch. Manit.
Pt.-time Lectr.

McNab, D. S., B.Arch. McG.
Pt.-time Lectr.

*Bacteriology and Preventive
Medicine*

Dolman, C. E., M.B., B.S., Ph.D.,
D.P.H., F.R.C.P., 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.

Colbeck, J. C., M.B., B.S. Lond.
Lectr.

Moynihan, I. W., D.V.M. Ont.
Vet. Coll., M.Sc. McG. Lectr.

Biology and Botany

Hutchinson, A. H., M.A. McM.,
Ph.D. Chic., F.R.S.C.

Hd. of Dept. and Prof.

Dickson, F., B.A. Qu., Ph.D. Corn.
Prof.

Allardyce, J., Ph.D. McG., M.A.
Prof.

Taylor, T. M. C., Ph.D. Tor., B.A.
Prof. and Curator of the
Herbarium and Bot.
Gardens.

Wort, D. J., M.Sc. Sask., Ph.D.
Chic. Prof.

Buckland, D. C., M.F., Ph.D. Yale,
B.A., B.S.F. Assoc. Prof.

Goranson, E. S., Ph.D. Tor., M.A.
Assoc. Prof.

Pillsbury, R. W., M.A. Asst. Prof.

Krajina, V., D.Sc. Charles,
Prague Sp. Lectr.

Allen, Maude, B.S.A., B.A. Lectr.

Chemistry

Hooley, J. Gilbert, Ph.D. M.I.T.,
M.A.

Prof. and Chairman of
Dept.

Harris, J. A., Ph.D. Ill., M.A.

Prof.

White, E. V., B.A.Sc. Tor., M.Sc.,
Ph.D. McG. Prof.

Schemilt, L. M., B.A.Sc., Ph.D.
Tor., M.Sc. Manit. Assoc. Prof.

Assistant Professors

Kirsch, M., B.Sc., Ph.D. McG.

Bryce, W. A., M.A. Sask., Ph.D.
McG., D.Phil. Oxon.

Daggett, jr., H. M., B.Sc. Qu.,
Ph.D. Brown.

Scott, D. S., M.Sc. Alta., Ph.D.
Ill.

Dunnell, B. A., A.M., Ph.D.
Princet., M.A. Sc.

Reid, C., B.Sc., Ph.D. Lond.

Dutton, G. G. S., M.A. Camb.

Lecturers

Larkham, C. W., M.S. Idaho,
S.M. M.I.T.

Sukava, A. J., B.Sc., M.Sc. Manit.

Tully, J. P., B.Sc. Man., Ph.D.
Wash., F.C.I.C. (Chem.
Oceanog.) Hon. Lectr.

Starke, K., Dr.Phil. Berl., N.R.C.
Res. Associate.

Classics

Logan, H. T., M.C., B.A. McG.,
M.A. Oxon.

Hd. of Dept. and Prof.

Riddehough, G. B., A.M. Calif.,
M.A. 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, School of

McPhee, E. D., M.M., B.Ed.,
M.A. Edin.

Prof. and Dir. of School.

Bell, D. K., B.Com., M.A.
Assoc. Prof.

Moynes, J. M., B.A., B.Acc. Sask.,
M.B.A. Chic. Assoc. Prof.

Wong, L. G. J., M.B.A. Calif.,
B.Com. Asst. Prof.

Van Houten, C. W., B.Com.

Asst. Prof.

Gourlay, C. C., B.Com.

Asst. Prof.

Vukelitch, L. M., B.B.A. Wash.

Asst. Prof.

Field, F.

Hon. Lectr.

Hickernell, L. N.

Hon. Lect. in Hospl.
Admin.

Stone, G. H., A.B. Duke, M.H.A.
Minn.

Hon. Lectr. in Hospl.
Admin.

Abercrombie, W. T., B.A.

Hon. Lectr. in Secre-
tarial Sci.

Dairying

Eagles, B., M.A., Ph.D. Tor.,
B.A.

Dean of Fac., Hd. of
Dept., and Prof.

Campbell, J. J. R., Ph.D. Corn.,
B.S.A. Assoc. Prof.

Neilson, Nora, M.S.A. Asst. Prof.

Trussell, P., Ph.D. Wisc., B.S.A.
Sp. Lectr.

Economics, Political Science 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 Gradu-
ate Studies.

Crumb, J. A., B.B.A. Wash., M.S.,
Ph.D. Calif. Prof.

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., A.M., Ph.D. Harv.,
B.A., B.Com. Asst. Prof.
The President

(Govt.) Hon. Lectr.
Harvey, J. W., B.A. Lectr.
Borden, C. E., M.A., Ph.D. Cal.
Lectr.

Education, School of

Cameron, M. A., Ph.D. Tor., M.A.
Prof. and Dir. of School.
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. Col. Prof.

Maclean, D. N., B.A., B.Ed.
Lectr. (Session 1950-51).

Russell, R. C. M., B.A.
Lectr. (Session 1950-51).

15 Pt.-time Lectrs.

Engineering, Civil

Muir, J. F., B.Sc. Manit.
Prof. and Hd. of Dept.

Finlay, A. H., M.C., M.S. in C.E.
Ill., B.A.Sc. Prof.

Hrennikoff, A., Sc.D. M.I.T.,
M.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.

Lipson, S. L., M.Sc. Cal. Tech.
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. (on leave)
Asst. Prof.

Instructors

Beley, J. P., B.A.Sc.

Cox, L., B.A.Sc.

Douglas, D., B.A.Sc.

Evans, J. R., B.Sc. Qu.

Lewchuk, W., B.A.Sc.

Lawson, M. B. M., B.Sc. Glas.

McLellan, R. N., B.A.Sc.

Scarlsbrick, R. G., B.A.Sc.

Shumas, F., B.A.Sc.

Smith, I. D., B.A.Sc.

Alexander, J. B., M.Sc. New Br.

Pt.-time Lectr.

Kania, J. E. A., Ph.D. M.I.T.,
M.A.Sc. Pt.-time Lectr.

Engineering, Elect.

MacLeod, H. J., O.B.E., B.Sc.

McG., M.Sc. Alta., A.M.,

Ph.D. Harv., F.A.I.E.E.

Prof., Hd. of Dept., and
Dean of Fac.

Morgan, S. C., B.Sc. Qu., M.Sc.
Alta., M.S. Cal. Tech. (Elect. E.)
Prof.

Noakes, F., B.Sc. Alta., M.Sc.,
Ph.D. Iowa State Coll. Prof.

Coulthard, W. B., B.Sc. Lond.
Assoc. Prof.

Kersey, L. R., B.A.Sc. Asst. Prof.

Kerr, J. S. S., M.Sc. Ill., B.A.Sc.
Asst. Prof.

Breeze, J. E., M.A.Sc.

Pt.-time Lectr.

Instructors

Clement, B. D., B.A.Sc.

Hudak, N., B.A.Sc.

Luck, A. R., B.A.Sc.

Manuel, E., B.A.Sc.

Whittemore, T. E., M.A.

English

Daniells, J. R., Ph.D. Tor., B.A.

Hd. of Dept. and 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. Calif.,
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. Prof.

Associate Professors

Creighton, J. H., M.A. Tor.

Read, S. E., M.A. McG.

Watters, R. E., M.A. Tor., Ph.D.
Wisc.

Spaulding, J. G., A.B. Pomona,
Ph.D. Calif.

Akrigg, G. P. V., Ph.D. Calif.,
M.A.

Assistant Professors

Humphrey, Ruth, B.A. Mt. All.,
M.A. Oxon.

Grant, J. D., Ph.D. Tor., M.A.

Cragg, R. C., B.A., Ph.D. Tor.

Steinberg, M. W., B.A. Qu.

Baxter, Edna L., A.M. Wash.,
B.A.

Somerset, Dorothy, A.B. Radcliffe.

Lecturers

Smith, Mrs. Marion B., B.A. Tor.,
Ph.D. Penn.

Haines, A. R., D.F.C., B.A.

Mackenzie, Mrs. M., M.A. Tor.

Lewis, Mrs. Stella, M.A.

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.

Watson, Mrs. W. W., M.A.

Prizek, M. H. D., B.A.

Bilsland, J. W., B.A.

Anderson, Mrs. Gordon, M.A. Col.

Sandison, J., B.A.

Forestry

Besley, L., B.S. Corn., M.F. Yale
Prof. and Dean of Fac.

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.

Wellwood, R. W., M.F., Ph.D.
Duke, B.A.Sc. Assoc. Prof.

Griffith, B. G., M.F. Harv., Ph.D.
Wash., M.A. 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.

Taylor, T. M. C., Ph.D. Tor., B.A.
Prof. of Bot. and Cura-
tor of Herbarium and
Botanic Gardens.

Graham, K., M.Sc. McG., Ph.D.
Tor., B.A.

Prof. of Forest Entomol.

Buckland, D. C., M.F., Ph.D.

Yale, B.A., B.S.F.

Prof. of Forest Entomol.

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

Anderson, J. G., B.A. Manit., A.M.,
Ph.D. Col.

Hd. of Dept. and Prof.

Dallas, Dorothy, D.Lett. Paris,
M.A. Prof.

Hall, G. L., B.A. Camb. Asst. Prof.

Brearley, Katherine, M.A.

Lectr. (1950-51).

Le Gall, L., L. ès L., L. en Dr.

Grenoble Asst. Prof.

Pronger, L., D.Lett. Paris, M.A.

Lectr. (1950-51).

Gathercole, Patricia M., Ph.D.

Calif., M.A. Lectr. (1950-51).

Demarcy, H. Lectr. (1950-51).

Shuley, Margaret, B.A.

Lectr. (1950-51).

Ogden, Lena, L. ès L. Lille

Lectr. (1950-51).

Rush, Mrs. J. T., B.A.

Pt.-time Lectr. (1950-
1951).

Burt, A. H., B.A.

Pt.-time Lectr. (1950-
1951).

Geology and Geography

Gunning, H. C., M.S., Ph.D.
M.I.T., B.A.Sc., F.G.S.A.,
F.R.S.C.

R. W. Brock 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.

(Mineral.) Prof.

Okulitch, V. J., Ph.D. McG.,
M.A.Sc., F.G.S.A., F.R.S.C.

(Palæontol. and Strati-
graphy) Prof.

Robinson, J. L., B.A. W. Ont.,
M.A. Syracuse, Ph.D. Clark
(Geog.) Assoc. Prof.

White, W. H., M.A.Sc., Ph.D. Tor.
Assoc. Prof.

Thomson, R. M., M.A.Sc., Ph.D.
Tor. (Geol.) Asst. Prof.

Chapman, J. D., B.A. Oxon.
(Geog.) Asst. Prof.

Mathews, W. H., Ph.D. Calif.,
M.A.Sc., F.G.S.A.

(Geol.) Assoc. Prof.

Mackay, J. R., B.A. Clark, M.A.
Boston, Ph.D. Montr.

(Geog.) Asst. Prof.

McTaggart, K. C., M.Sc. Qu.,
Ph.D. Yale, B.A., B.A.Sc.

(Geol.) Asst. Prof.

Kendrew, W. G., M.A. Oxon.
(Geog.) Visiting Prof. (1950-
1951).

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.

Cowie, Mrs. Marian L., A.B.
U.C.L.A., Ph.D. Chic. Lectr.

Taylor, Mrs. Pauline, M.A. Instr.
Harris, Mrs. Josephine, A.B.
Smith, M.A. Instr.

McNeely, J. A., M.A. Calif., B.A.
Instr.

Murdoch, Mrs. Margaret, A.M.
Radcliffe, B.A. Qu.

Asst. (1950-51).

Smith, Mrs. Katherine, M.A.
Asst. (1950-51).

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., F.R.S.C.

Director of International
Studies and Prof.

Cooke, A. C., B.A. Manit., M.A.
Oxon. Prof.

Tucker, G. E., B.A. W. Ont.,
Ph.D. Camb.

(Canadian Hist.) Prof.

Ormsby, Margaret A., Ph.D. Bryn
Mawr, M.A. Assoc. Prof.

Davies, G. O. B., M.A. Camb.
Asst. Prof.

Ho, Ping-ti, B.A. Nat. Tsing Hua
Lectr.

Home Economics, School of

Black, Charlotte S., B.Sc. (H.Ec.)
Manit., A.M. Col.

Prof. and Dir. of School.

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.

Leroux, Mrs. Elizabeth, B.H.Sc.
Tor., M.S. Corn. Asst. Prof.

MacFarlane, Margaret, B.Sc.
(H.Ec.) Alta., M.S. Col.

Asst. Prof.

McEwen, Winnifred, B.Sc.
(H.Ec.) Alta., M.S. Mich.

State 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.

Blair, Ruth, 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,
Cafeteria.

Franklin, Mary, B.H.E.

Dietitian - in - Charge,
Acadia Camp.

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.

Hornby, C. A., Ph.D. Corn.

Assoc. Prof.

Neill, J. W., M.C., B.S.A. Ont.
Agr. Coll. Asst. Prof.

1 Pt.-time Lectr.

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. All.,
LL.M., S.J.D. Harv. Prof.

Kennedy, G. D., M.A., LL.B. Tor.
Assoc. Prof.

Bourne, C. B., B.A. Tor., LL.B.
Camb. Assoc. Prof.

Westlake, J. R., B.A., LL.B. Alta.,
LL.M. Tor. Asst. Prof.

Lecturers

The President.

Ballem, J. B., M.A., LL.B. Dal.,
LL.M. Harv.

Herbert, R. G., D.F.C., B.A.,
LL.B.

Bird, J. I., B.Com.

Brown, D. McK., B.Com.

Beckett, K. M., B.A.

Coady, The Hon. Mr. Justice J. M.,
B.A. St. F. X.

Ladner, L. J., K.C., B.A., LL.B.
Tor.

Dryer, V. L., B.A.

McFarlane, M. M., B.A.

McTaggart, D. E., K.C., B.A.
McG.

Remnant, S. J.

Read, F., LL.B. Manit.

Sheppard, F. A., B.A. Tor., LL.B.
Sask.

Wilson, The Hon. 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 Ad-
min. 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.
Gött. Assoc. Prof.

Goodspeed, F. M. C., B.Sc.
Manit., Ph.D. Camb., M.A.

Tor. Assoc. Prof.

Leimanis, E., Mag. Math. Riga,
Dr. Rer. Nat. Hamburg

Assoc. Prof.

Assistant Professors

Barclay, May L., M.A.
 Simons, W. H., M.A., Ph.D. Calif.
 Moyls, B. J., M.A., Ph.D. Harv.
 Nash, W., B.A. Puget Sound,
 M.A., Ph.D. Calif.
 Hull, T. E., M.A., Ph.D. Tor.

Lecturers

Parnall, J. E. A., M.A. Tor., B.A.,
 B.Ed.
 Macauley, R. A., B.A.
 Univ. Teaching Fellow.
 McGregor, J. L., B.A.
 Univ. Teaching Fellow.

Mechanical Engineering

Richmond, W. O., M.S. Pittsb.,
 B.A.Sc.
 Prof. and Hd. of Dept.
 Vernon, F. W., B.Sc. (Eng.) Lond.
 Prof. and Lectr. in Aero-
 nautical Engin.
 McIlroy, H. M., M.Sc. Qu. Prof.
 Wolfe, W., M.Sc. Case Sch. of Ap.
 Sc., B.A.Sc. Assoc. Prof.
 Instructors
 Vajda, P., Grad. Polytech. Zürich.
 Steel, W. E. J., B.A.Sc.
 Doyle, J. P., B.A.Sc.
 Holdsworth, J. E., B.A.Sc.
 Howard, J. M., B.A.Sc.

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. Manitt., Ph.D.
 Lond. (Metall.) Assoc. Prof.
 Halpern, J., B.Sc., Ph.D. McG.
 Asst. Prof.

Medicine

Weaver, M. M., A.B. Wheaton,
 M.S., Ph.D., M.D. Chic.,
 F.A.C.P.
 Prof. and Dean of Fac.
 of Med.

Agnew, A. M., M.B., M.D. Tor.
 Clin. Prof. and Chairman
 of Dept. of Obstet. and
 Gynæcol.
 Boyd, W., M.B., Ch.B. Edin.,
 M.D., LL.D. Sask., F.R.C.P.,
 Dipl. Psych., F.R.C.S.

Sr. Prof. of Pathol.

Copp, D. H., Ph.D. Calif., B.A.,
 M.D. Tor.

Prof. and Hd. of Dept.
of Physiol.

Darrach, M., Ph.D. Tor., M.A.
 Prof. and Hd. of Dept.
 of Biochem.

Friedman, S. M., B.A., M.D.,
 C.M., M.Sc., Ph.D. McG.

Prof. and Hd. of Dept.
of Anat.

Kerr, R. B., O.B.E., M.D., M.A.
 Tor., F.R.C.P.Can.

Prof. and Hd. of Dept.
of Med.

Robertson, H. R., B.Sc., M.D.,
 C.M. McG., F.R.C.S.Ed.,
 F.R.C.S.Can.

Prof. and Hd. of Dept.
of Surg.

Sarjeant, T. R., B.A., M.D. Tor.,
 F.R.C.S., F.R.C.S.Can.

Clin. Prof. of Surg.

Strong, G. F., B.S., M.B., M.D.
 Minn., F.A.C.P., F.R.C.P.
 Can. Clin. Prof. of Med.

Baird, M. M., B.A. New Br., B.A.,
 B.M., B.Ch. Oxon., F.R.C.P.
 Can.

Clin. Assoc. Prof. of Med.

Black, E. C., M.B.E., B.A. McM.,
 Ph.D. Penn., M.A.

Assoc. Prof. of Physiol.

Friedman, Constance L., M.Sc.,
 Ph.D. McG.

Res. Assoc. Prof. in Anat.

Gibson, W. C., M.Sc., M.D., C.M.
 McG., D.Phil. Oxon., B.A.

Res. Clin. Assoc. Prof.
of Neurol. and Dir.
U.B.C. Crease Clinic
Res. Unit.

Harrison, J. E., M.D., C.M. McG.
Clin. Assoc. Prof. of
Obstet. and Gynæcol.
Neilson, J. R., M.B. Tor., F.A.C.S.
Clin. Assoc. Prof. of Surg.
Ranta, L. W., M.D., D.P.H. Tor.
Assoc. Prof. and Asst. to
Dean.
Turnbull, F. A., M.D. Tor., B.A.
Clin. Assoc. Prof. of Surg.
Zbarsky, S. H., B.A. Sask., M.A.,
Ph.D. Tor.
Assoc. Prof. of Biochem.
Constantinides, P., M.D. Vienna
Asst. Prof. of Anat.
Patterson, F. P., M.D., C.M. McG.
Clin. Asst. Prof. of Surg.
15 Demrs., 6 Lectrs., 3 Instrs., 3
Teaching Fellows, 1 Res.
Fellow.

Mining and Metallurgy, v. p. 643,
col. 1

Music

Adaskin, H.	Prof.
Adams, Mrs. Jean C.	Lectr.
Pentland, Barbara	Instr.

Nursing and Health, School of

Mallory, H. Evelyn, B.Sc. Col.
Prof. and Dir. of School.
Morrison, Ruth, B.S. Minn.
Asst. Prof.
Capelle, Pauline, M.A. Chic., 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.
5 Pt.-time Lectrs.

Pharmacy

Woods, E. L., B.S.P. Sask., M.Sc.
Wisc. Prof. and Dean of Fac.
Morrison, F. A., B.S.P. Sask.
(Pharm.) Asst. Prof.

Cox, R. H., Phm.B. Tor., B.S.P.,
M.Sc. Sask.
(Pharmaceutical Chem.)
Asst. Prof.
Halliday, J. E., B.S.P. Sask., M.S.
Purdue
(Materia Medica and
Pharmacol.) Asst. Prof.
Groves, G., B.Sc. (Pharm.), M.Sc.
Alta. (Pharm.) Asst. Prof.
Crawford, Mrs. Lucy A., B.S.P.
Sask. Lectr.
Zacharias, N. C., B.S.P. 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 Chair-
man of Dept.

McIntosh, J. R., B.A., M.Ed. Sask.,
Ph.D. Col.

(Educn. and Psychol.)
Prof.

Associate Professors

Maslow, A. P., A.B., A.M. Mich.,
Ph.D. Calif.
Belyea, E. S. W., M.A. Tor.
MacKay, D. C. G., B.A. Qu., Ph.D.
Stanford.
Signori, E., B.A. Alta., M.A.,
Ph.D. Tor.
Lecturers
Macdonald, E., B.A. Qu.
Black, W. G., M.A., Ph.D. Chic.,
B.A.
Fleury, J. W. A., M.A.
Gibson, W. C., M.Sc. McG., Ph.D.
Oxon., M.D., C.M., B.A.
Hutton, G. H., M.D., D.P.H. Tor.
Kenny, D., M.A.
Kenny, Mrs. Lucille, B.A. Hunter
Coll.

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).

Assistant Professors

Whittle, H. D., B.P.H.E. Tor.

Leeming, Marjorie, B.A.

Asst. Prof. and Asst. to
Dean of Women.

Pomfret, J., B.A. (Health and
P.E.) Wash.

Laithwaite, A. B., Dip. in Phys. Ed.
Carnegie Phys. Tr. Coll.

Instructors

Brown, Mrs. May, B.Sc. (Phys.
Ed.) McG.

Andersen, H., B.A. (Health and
P.E.) Wash.

Penn, R., B.P.E.

Miller, Marjorie, B.S. Oreg. State
Coll.

Bryan, Helen, B.Sc. (Phys. Ed.)
McG.

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.,
M.A., Ph.D. Tor. Prof.

Volkoff, G. M., M.B.E., Ph.D.
Calif., M.A., D.Sc., F.R.S.C.

Prof.

Warren, J. B., B.Sc., Ph.D. Lond.,
D.I.C., F.I.P. Assoc. Prof.

Pickard, G. L., M.B.E., M.A.,
D.Phil. 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. Amst.
Assoc. Prof.

Blüh, O., Dr. Rer. Nat., D. Phys.
Prague, F.I.P. Asst. Prof.

Koppe, H., Dipl. Ing. Danzig, Dr.
Rer. Nat. Berl. Asst. Prof.

Raudorf, W., B.A., Ph.D. Vienna
Asst. Prof.

Kaempffer, F. A., Dipl. Ing., Dr.
Rer. Nat. Gött. Asst. Prof.

Barnes, C. A. McM., M.A. Tor.,
Ph.D. Camb. Instr.

Bowers, F. K., B.A. Camb. Lectr.

Clark, R. J., B.A. McG., Ph.D.
Camb. Pt.-time Lectr.

Flack, F. C., B.Sc. Liv. Res. Fellow.

Lee, P. A., B.Sc. Lond. 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. 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.

Ronimois, H. E., M.Sc. (Econ.)
Tartu, Ph.D. Lond.

Assoc. Prof.

Ferrell, J., B.A. Alab., M.A.
Harv., Ph.D. Col. Asst. Prof.

Wainman, A. W., M.A. Oxon.
Asst. Prof.

Bryner, C., A.B. Stan., M.A.
Oxon. Asst. Prof.

Rose, W. J., B.A. Manit., M.A.
Oxon., Ph.D. Cracow,

F.R.Hist.S. Sp. Lectr.

Halpert-Scanderberg, T. Sp. Lectr.

Isaac, P. D., Cand. Phil. Lenin-
grad Sp. Lectr.

Dolar-Mantuani, J., Ph.Dpl. Ljub-
ljana (South Slavonic)

Pt.-time Lectr.

Barbashoff, V. I.
(Russian) Pt.-time Lectr.

Social Work, School of

Smith, Marjorie J., A.B. Minn.,
A.M. Chic.

Prof. and Dir. of School.

Associate Professors

Marsh, L. C., B.Sc.(Econ.) Lond.,
M.A., Ph.D. McG.

Dixon, W. G., A.M. Chic., B.A.

Thomas, Elizabeth V., A.B.
Wesleyan Coll., M.S. New Yk.
Sch. of Soc. Work.

Jacobson, Sylvia R., B.A. Hunter
Coll., M.S. Col., Dip. Sor-
bonne.

Assistant Professors

Johnson, Margaret C., M.S.W.
Wash., B.A.

Wolfe, Helen, B.A. Mich., M.A.
Cinc.

Lecturer

Exner, Mrs. Helen, B.A. Varsa,
M.S.S. Smith.

Instructors

McCrae, Mrs. Helen, B.A., B.S.W.

Exner, T. L., B.A. Lewis and
Clark.

Collins, Zella, Dip. Soc. Ser. Tor.

Field Work Instr.

Cunliffe, Muriel, M.S.S. Smith,
B.A., B.S.W.

Field Work Instr.

Welty, Elizabeth, B.A. Reed,
M.S.W. Wash.

Field Work Instr.

Whiten, G. A. Field Work Instr.
5 Pt.-time Lectrs. and 2 Pt.-time
Field Work Instrs.

Spanish

Anderson, J. G., B.A. Manit., A.M.,
Ph.D. Col. Hd. of Dept.

Brooke, C. V., B.A. Qu., A.M.,
Ph.D. Harv. Assoc. Prof.

McSpadden, G. F., M.A. New
Mexico, Ph.D. Stanford

Assoc. Prof.

MacDonald, J. A., M.A.

Asst. Prof.

Davison, Mrs. Emilia Lectr.

Zoology

Clemens, W. A., M.A. Tor., Ph.D.
Corn., 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.

Graham, K., M.Sc. McG., Ph.D.
Tor., B.A.

(Forest Entomol.) Prof.

Adams, J. R., M.Sc., Ph.D. McG.
Assoc. Prof.

Cameron, W. M., M.A.

(Oceanog.) Assoc. Prof.

Larkin, P. A., M.A. Sask., D.Phil.
Oxon. Asst. Prof.

Ford, P., B.Sc., Ph.D. Lond.,
F.L.S. Asst. Prof.

Hatter, J., B.A. Instr.

Carter, M. N., M.A.Sc., Ph.D.
McG. Hon. Lectr.

Neilson, C., B.S. Utah, M.S.
Oregon Hon. Lectr.

University Extension

Shrum, G. M., O.B.E., M.M., M.A.,
Ph.D. Tor., F.R.S.C. Director.

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.

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.

Robinson, C.

(Arts and Handicrafts)
Instr.

Hearn, G. L., B.A. (Agric.) Instr.

Des Champs, A., B.S.A. Manit.
(Agric.) Instr.
Keys, Margaret M., B.A. Tor.
(Home Econ.) Instr.

University Health Service

Cunningham, G. T.
Univ. rep. on Metropol.
Health Cttee.
Murray, S., M.D., D.P.H. Tor.
Chief Medical Health
Officer, Metropol.
Health Cttee.
Gundry, C. H., M.D. Tor.
Psychiatrist, Metropol.
Health Cttee.

Public Health Nurses
Upshall, Muriel, B.A.Sc. Nursing
Supervisor.
Ross, Ruth, B.A.Sc.
Worrall, Mrs. Jeanne E., B.A.Sc.
Ladner, Dorothy, B.A.Sc.
Robinson, Mrs. Kate.

Counselling, Placement, Staff Personnel, Veterans' Services

McLean, Major J. F., D.S.O., B.A.
Dir. of Student and Per
sonnel Services.
Hayes, Fl.-Lt. H. O., M.A.
Counsellor.
Luyendyk, W. R., B.A.
Asst. Counsellor.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Summer Session : J. R. McIntosh, B.A., M.Ed. Sask., Ph.D. Col. ;
Asst. to Dean of Women : Marjorie Leeming, B.A. ; Sr. Don, Mary Bollert
Hall : Katherine Brearley, M.A. ; Jr. Don, Isabel MacInnes Hall : Mrs.
Nenagh Richardson, B.A. ; Jr. Don, Anne Westbrook Hall : Dorothy Wills,
B.A. ; Housing Administrator : A. R. Baird ; Purchasing Agent : H. A.
LeMarquand ; Accountant : W. White ; Supt. of Buildings and Grounds :
J. D. Lee.

AFFILIATED COLLEGES

VICTORIA COLLEGE, Victoria, B.C. Affiliated, 1920, for 1st and 2nd yrs. 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., Prof. of
Biology, Botany, and Zoology ; 7 Assoc. Profs., 10 Asst. Profs., 1 Instr.

UNION COLLEGE OF BRITISH COLUMBIA (United Church of Canada), Van-
couver, B.C. (Telephone : Alma 0522.) Principal—Rev. W. S. Taylor, M.A.,
B.D., Ph.D. ; and the ANGLICAN THEOLOGICAL COLLEGE OF BRITISH COLUM-
BIA, Vancouver, B.C. (Telephone : Alma 0440.) Principal—Rev. K. E.
Taylor, O.B.E., M.A. Oxon., B.D. Western, D.D. 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 275,000 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.

UNIVERSITY RESEARCH FOREST, an area comprising a solid block of land about 7 miles long and 2½ miles wide north of the town of Haney, was granted to the Univ. by the Prov. Govt. in March 1949. The CAMPUS FOREST consists of a narrow belt S. and W. of the Univ. and acts as a demonstration and field study area for Forestry, Biology, Botany, and Zoology.

MUSEUMS. (1) Burnett Collection of South Seas and other ethnological specimens, housed on the first floor of the Library; the Raley collection of Indian artifacts; the Buttimer collection of Indian baskets; the Mitchell Pierce collection of Eskimo clothing and utensils; and numerous other valuable collections. (2) The Geological and Geographical Museum in the Forestry and Geology Bldg. (3) The Zoological Museum in Biological Sciences Bldg. (4) The Botanical Collections and Herbarium.

FACULTIES AND DEANS. Arts and Science (including Commerce), S. N. S. Chant. Applied Science (Agric., Civil, Elect., Mech., Forest, Geological, Metallurgical, Mining and Chemical Engineering, Engin. Physics, Nursing and Health), Dr. H. J. MacLeod. Agriculture (including Dairying and Horticulture), Dr. B. Eagles. Law, G. F. Curtis. Graduate Studies, Dr. H. F. Angus. Pharmacy, E. L. Woods. Medicine, Dr. M. M. Weaver. Forestry, L. Besley.

Dean of Administrative and Inter-Fac. Affairs, W. H. Gage. Dean of Women, Dr. M. D. Mawdsley.

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., B.A. and B.A.Sc., B.A. and LL.B., B.A. and B.H.E., B.A. and B.S.P*, and B.P.E., 6 yrs. B.A. and B.Com., 7 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., M.F. and B.S.W., 1 yr. postgraduate. B.S.N. (Bachelor of Science in Nursing); M.D. (Doctor of Medicine), M.S.W., B.Ed., 1-2 yrs.' postgraduate work. Ph.D. (minimum, 3 yrs.' postgraduate work).

DIPLOMA AND CERTIFICATE COURSES. Occupational Agriculture (1 yr.); Public Health Nursing (1 yr.); Teaching and Supervision in Schools of Nursing; Community and Regional Planning; Teaching Training; Hospital Administration.

SUMMER SESSION. In July and Aug., courses for credit toward degree are offered; maximum of six units only permitted. Non-members of the Univ. (non-matriculants) may be admitted to the Summer Session only as auditors. They are not permitted to write the course examinations nor receive Univ. credit for the courses audited.

SUMMER EXTENSION COURSES. Non-credit courses in Dramatics, Weaving, Painting, Pottery, Music, Writing, Photography.

UNIVERSITY EXTENSION. Under a grant from the British Dominions and Colonies Fund of the Carnegie Corporation of New York, the Univ. organized early in 1936 a Dept. of Univ. Extension. The Dept. is responsible for the administration of the rural section of the Dominion-Provincial Training Programme, sponsored jointly by the Dominion Dept. of Labour and the Provincial Dept. of Agriculture. 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; (j) Radio broadcasts; (k) Library assistance to those who wish to do systematic reading; (l) Art and Music Courses, thanks to facilities supplied by Carnegie Art Teaching Set and Carnegie Music Set; (m) Public Relations—items of interest to the public are prepared and released to the press; (n) Educational programme for British Columbia Fishermen; (o) Correspondence Courses for Academic Credit; (p) Home Economics; (q) Handicrafts; (r) Parent Education.

FEES. Arts and Sciences, Agriculture, Nursing: \$238.00 per session. Applied Science (incl. Archit. and Engin.), Forestry, Law, Pharmacy: \$288.00 per session. Medicine: \$443.00 per session. Occpl. Agriculture: \$148.00 per session. Partial courses: \$15.00 per unit.

SCHOLARSHIPS AND FELLOWSHIPS FOR GRADUATES. University Scholp., \$200; Anne Wesbrook Scholp., \$125; Dr. F. J. Nicholson Scholps. (1) for Chem., \$500, (2) for Geol., \$500; two B'nai B'rith District No. 4 Hillel Foundation Scholps., 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; Cariboo Gold Quartz Mining Co. Ltd. Scholp., \$200; Cominco Fellowship, \$750; Canadian Pulp and Paper, Western Branch, Fellowships (2), \$500 ea.; Shell Oil Fellowship for Research, \$750 plus tuition fees; Canadian Industries Ltd. Fellowship for Research, \$750; Edith Ashton Memorial Scholp., \$250; B.C. Telephones Scholps. (5), \$500 ea.; General Construction Co. Scholp., \$300; Gault Bros. Ltd. Scholp., \$700; John and Annie Southcott Memorial Scholp., \$100; B.C. Sugar Refining Co. Scholps., total \$2500.

GRADUATES' ASSOCIATION. Alumni Association of the Univ. of British Columbia is composed of Hon., Active, and Assoc. Members. Governing body composed of a general executive elected at the annual meeting and the president of each organized branch. The Sec.-Manager is employed by the Association on a full-time basis.

SPECIAL INSTITUTIONS. The Inst. of Oceanography which was established in the autumn of 1949 is supported in part by the Defence Research Board and by the Joint Committee on Oceanography, the latter body representing the interest of the Royal Canadian Navy, the National Research Council, the Fisheries Research Board, and the Hydrographic Service. The Inst. represents the co-operative effort of the three depts. of Chem., Physics, and Zool. to train graduate students in one or more of these branches in the principles and techniques of oceanographic research. The Inst. is further charged with the responsibility for fundamental research in Oceanography.

UNIVERSITY SERVICE TRAINING CORPS. (a) Canadian Officers' Training Corps (re-established in 1928); (b) University Naval Training Division (established in 1943); (c) R.C.A.F. (Reserve) University Flight (established in 1948). All service training on the campus is under the jurisdiction of a Joint Services University Training Committee composed of the President of the University, the Commanding Officers of the C.O.T.C., U.N.T.D., and R.C.A.F. (Aux.) University Flight, the Deans of the Faculties of Arts and Science, Agriculture and Applied Science, and representatives from the Navy, the Army, and the Air Force.

STUDENT ATHLETIC FACILITIES. 5 Playing Fields; 2 Gymnasias.

STUDENT ORGANIZATIONS. The Alma Mater Society with its governing executive, the Students' Council, controls all student activities and is responsible for student discipline. Every student automatically becomes a member of the Alma Mater Soc. when he enrolls in the Univ. Members are elected every spring to hold office through the next yr.

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, \$49 p.m. **FORT CAMP**, accommodation for 350 men. Terms, \$49 p.m. **Women's Residences:** Mary Bollent Hall; Isabel MacInnes Hall; Anne Wesbrook Hall. Accom. for 52 women in each Hall. Fees: \$370.00 per session for single rooms; \$355.00 per session for double rooms.

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.

PUBLICATIONS. *Requirements for Matriculation*; *Calendar* (April); *Summer Session Announcement of Courses*, *Lecture Series*; *President's Report*. (No charge is made for any of these publications.)

THE YEAR 1949-50

BENEFACTIONS. 736 donors; \$698,000.00, exclusive of miscellaneous gifts.

NEW BUILDINGS. Engineering Bldg.; Biological Sciences Bldg. with Pharmacy Wing; Home Economics Bldg.

NEW DEPARTMENTS. Fac. of Forestry; School of Archt.; School of Social Work; School of Commerce.

RETIREMENTS. Dean J. N. Finlayson; Mme Y. Darlington.

RESIGNATIONS. Dr. D. O. Evans ; Dr. K. H. More ; Dr. K. DeP. Watson ; F. G. C. Wood ; G. A. McAllister ; R. A. Mahoney ; Dr. D. Blakey-Smith ; D. W. Thomson ; Dr. A. van der Ziel ; J. H. Kleege ; F. K. North ; Dr. W. G. Black.

DEATHS. Dr. G. M. Weir ; Dr. G. G. Sedgewick ; Dr. M. J. Marshall ; Dr. Joseph Raymond ; Dr. D. Buchanan.

HONORARY DEGREES, May 1950. *D.Sc.*—R. W. Diamond, Vice-Pres. and General Manager, Consolidated Mining and Smelting Co. of Canada, Ltd. J. N. Finlayson, Dean Emeritus, Fac. of Applied Sci., Univ. of British Columbia. The Rt. Hon. C. D. Howe, Minister of Trade and Commerce. H. R. MacMillan, Pres., H. R. MacMillan Export Co., Ltd. F. E. Terman, Dean, School of Engin., Stanford Univ. A. L. Crease, Dir. of Mental Hygiene and Psychiatry, Provincial Mental Hospitals, Essondale, B.C. Marion Lindeburgh, Dir., School for Graduate Nurses, McGill Univ. *LL.D.*—Laura Holland, Adviser to Minister on Welfare Policy, B.C. M. E. Nichols, journalist and editor. Aug. 1950: Rt. Hon. R. G. Menzies, Prime Minister of Australia.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men		5924
Women		1648
Total	Approx. 100	7572

Included in the above are 756 postgraduate students and 1763 first-year admissions.*

DEGREES. *Agric.* : B.S.A., 137. *Applied Sci.* : B.A.Sc., 491 ; B.Arch., 3 ; B.A.Sc. Nursing, 19 ; B.S.F., 76. *Arts and Sci.*, B.A., 781 ; B.Com., 180 ; B.Ed., 60 ; B.H.E., 49 ; B.P.E., 28 ; B.S.W., 77 ; M.S.W., 22. *Grad. Studies* : M.A. 63 ; M.A.Sc., 17 ; M.S.A., 11 ; Ph.D., 2. *Law* : LL.B., 151. *Pharmacy* : B.S.P., 65.

* Full-time only.

CARLETON COLLEGE

OTTAWA

Founded 1942

Incorporated, as the Ottawa Association for the
Advancement of Learning, 1943

PRESIDENT—MURDOCH MAXWELL MACODRUM, B.A. Dal., M.A. McG.,
Ph.D. Glas.

DEAN—JAMES ALEXANDER GIBSON, B.A. Br. Col., B.A., B.Litt., D.Phil.
Oxon.

REGISTRAR—EDWARD FLETCHER SHEFFIELD, M.A. McG., Ed.D. N.Y.

BURSAR—FREDERICK JAMES TURNER, B.Com., M.A. Tor.

LIBRARIAN—HILDA G. GIFFORD, B.A., B.L.S. McG.

ASSISTANT TO THE PRESIDENT—ARTHUR RYERSON MAYBEE, B.A. Tor.

ASSISTANT REGISTRAR—ELIZABETH M. BUCKLEY, B.A. Qu.

ASSISTANT LIBRARIANS—ALBERT SPRATT, B.A. Sask., B.L.S. McG.;
DORIS MAY HONEYWELL, M.A. Qu., B.L.S. Tor.; HILDA REID
COUGLE, M.A., B.L.S. Tor.

ACCOUNTANT—REGINALD M. WALTERS.

MEDICAL ADVISER—ERIC L. DAVEY, M.D., D.P.H. Tor.

TEACHING STAFF

Accounting

McDougall, W. J., B.A. W. Ont.
Assoc. Prof.

Wood, H. Sessl. Lectr.

Sterns, A. A., Lic.com. St. Gallen,
Dr.rer.pol. Berne
Sessl. Lectr.

Astronomy

Millman, P. M., B.A. Tor., A.M.,
Ph.D. Harv. Sessl. Lectr.

Biology

Nesbitt, H. H. J., B.A. Qu., M.A.,
Ph.D. Tor., F.R.E.S.
Assoc. Prof.

Illman, W. I., B.A., M.Sc. W. Ont.
Asst. Prof.

Turnau, E. A. O., M.Sc. McG.
Lectr.

Chemistry

Morton, J. M., M.Sc. Dal., Ph.D.
Princet. Assoc. Prof.

Holmes, J. M., B.Sc. New Br.,
M.A. W. Ont., Ph.D. McG.
Asst. Prof.

Laughton, P. M., B.A. Tor., M.Sc.
Dal., Ph.D. Wisc. Lectr.

Rabbitts, F. T., B.Sc. McG.
Sessl. Lectr.

Classics

Shepherd, D. M., M.A. Qu. Lectr.

Showman, W. H., M.A. Qu.
Sessl. Lectr.

Sweeney, Agnes C., B.A. Qu.
Sessl. Lectr.

Commerce

Fleming, Agnes Y., B.Com., B.Ed.
Alta., M.Com. Tor. Asst. Prof.

Corlett, M. E., B.A. Tor.

Sessl. Lectr.

Economics

Gordon, H. S., B.A. Dal., A.M. Col. Asst. Prof.

English, H. E., B.A. Br. Col.

Lectr.

Carlsen, A. E., B.A. Br. Col., M.A. Tor, Lectr.

Sessional Lecturers

Duffett, W. E., B.Com. Tor., M.Sc. (Econ.) Lond.

Watts, G. S., M.A. Qu.

Kemp, Alison, B.A. Tor. and Camb.

Engineering

Stedman, E. W., C.B., O.B.E., F.R.Ae.S. Asst. Prof.

Sessional Lecturers

Gamble, R. B., B.Sc. McG.

Tackaberry, S. G., C.B.E., B.A.Sc. Tor.

Tuttle, A. C., B.Sc. (C.E.) N.S.T.C.

English

Beattie, A. M., B.A. Tor., A.M. Col. Asst. Prof.

Johnston, G. B., M.A. Tor.

Asst. Prof.

MacOdrum, M. M., B.A. Dal., M.A. McG., Ph.D. Glas.

Lectr.

Wood, G. J., M.A. Tor. Lectr.

Chamberlin, Mrs. Dorothy, M.A. McG. Sessl. Lectr.

Hoener, F. J. D., M.A. Tor.

Sessl. Lectr.

Phillips, Mrs. Mary A., M.A. Tor. Asst.

Strutt, Mrs. Audrey E., B.A. Tor. Asst.

Fine Arts

Sessional Lecturers

Hubbard, R. H., B.A. McM., A.M., Ph.D. Wisc.

Wood, T. C.

Dale, W. S. A., M.A. Tor.

French

Young, J. P., B.A. Qu., D. ès L. Bordeaux Asst. Prof.

Tassie, J. S., B.A. McM., M.A. Tor. Lectr.

Sessional Lecturers

MacDonald, Mrs. Helen R., B.A. Tor.

Gascon, A., M.A., Ph.D. Ott., B.Paed. Montr.

DuVernet, G. S., B.A. K.C.N.S., M.A. St. F. X. and Tor.

Geography

Sessional Lecturers

Watson, J. W., M.A. Edin., Ph.D. Tor.

Watson, Mrs. Jessie W., M.A. Edin.

Geology

Sessional Lecturers

Alcock, F. J., B.A. Tor., Ph.D. Yale, F.R.S.C.

Wilson, M. E., B.A. Tor., Ph.D. Yale, F.R.S.C.

Robinson, S. C., M.A.Sc. Br. Col., Ph.D. Qu.

Wilson, Alice E., B.A. Tor., Ph.D. Chic., F.R.S.C.

German

Hoff, R., Dr.jur. Breslau

Sessl. Lectr.

History

Gibson, J. A., B.A. Br. Col., B.A., B.Litt., D.Phil. Oxon.

Prof.

Lecturers

Farr, D. M. L., B.A. Br. Col., M.A. Tor.

Couse, G. S., B.A. McM.

Zaslow, M., B.A., B.Ed. Alta., M.A. Tor.

Sessional Lecturers

McQueen, J. M., M.A. Tor.

Czako, S. A., M.Com., Dr.rer.pol. Budapest, Dip. 'Int. Law Harv.

Journalism

- Eggleston, W., M.B.E., B.A. Qu.
Prof.
Kesterton, W. H., B.A. Qu., B.J.
Lectr.
Leechman, J. D., B.Sc. St. Pat-
rick's, M.A., Ph.D. Ott.
Sessl. Lectr.
McKeown, R., B.A. Br. Col.
Sessl. Lectr.
Herbert, W. B., B.A., LL.B. Alta.
Sem. Ldr.
McFarlane, L. Sem. Ldr.
Pask, V. Field Work Supervisor.

Mathematics

- Richardson, L. N., M.A. Tor.,
M.Sc. McG. Prof.
Macphail, M. S., B.A. Qu., M.A.
McG., D.Phil. Oxon.
Assoc. Prof.
Mayne, J. W., B.Sc., M.A. Acad.,
M.Sc. Brown Asst. Prof.
Lane, N. D., B.A. Qu., M.A.,
Ph.D. Tor. Asst. Prof.
Sessional Lecturers
Keyfitz, N., B.Sc. McG.
Dale, D. K., B.A. Qu.
Enns, J. G., M.A. McM.
Rentner, L. W., B.A. Tor.
Wilson, R. F., B.A. Qu.
Stanton, R. G., B.A. W. Ont.,
M.A., Ph.D. Tor.
Armstrong, H. L., M.Sc. Qu.
Semple, R. J., M.A. Tor.
Somerville, P. N., B.Sc. Alta.

Music

- Sessional Lecturers
McTavish, M., Mus.Bac. Tor.
Milligan, C. H., Mus.Bac. Tor.

Philosophy

- McKeown, C. G. S., M.A. Tor. and
Princet. Asst. Prof.
Jonas, H., Ph.D. Marburg
Assoc. Prof.
McDonald, Mrs. Virginia A., B.A.
Asst.

Physics

- Munn, A. M., B.Sc. Qu., M.Sc.,
Ph.D. McG. Asst. Prof.
Love, G. R., M.A. W. Ont., Ph.D.
Tor. Asst. Prof.
Cole, T. J. S., B.Sc. (Eng.) Lond.,
B.Sc. Lectr.

Political Science and Public Administration

- Fox, P. W., M.A. Tor. Asst. Prof.
Rowat, D. C., B.A. Tor., A.M.,
Ph.D. Col. Asst. Prof.
Hougham, G. M., M.A. Tor. Lectr.
Sessional Lecturers
MacKay, R. A., B.A. Tor., Ph.D.
Princet., F.R.S.C.
Forsey, E. A., M.A. McG. and
Oxon., Ph.D. McG.
Phillips, R. A. J., B.A. Tor.
Ward, N. M., B.A. McM., M.A.,
Ph.D. Tor.

Psychology

- Sessional Lecturers
Dunlop, Florence S., B.A. Qu.,
A.M., Ph.D. Col.
Whitworth, F. E., B.A. Sask.,
A.M., Ph.D. Calif.
Dawe, J. F., B.Sc., B.Ed. Sask.,
A.M. Col.
Cook, T. W., M.A. Acad., Ph.D.
Yale.
Rogers, Mrs. E. June, B.A. Tor.,
A.M. George Washington.
Dickie, R. D., B.A. Alta., M.A.
McG.

Public Law

- Sessional Lecturers
Henderson, G. F., B.A. Tor.
Scott, C. F., B.A. Tor.

Russian

- Sessional Lecturers
Lalkow, D. I., M.D. Moscow.
Bohatirchuk, F. P., M.D. Kiev.

Sociology

- Porter, J. A., B.Sc. (Econ.) Lond.
Lectr.

MacNeish, Mrs. June H., Ph.B., *Spanish*
A.M. Chic. Sessl. Lectr. Inch, Doris I., M.A. Tor. Lectr.

GENERAL INFORMATION

HISTORY. Conceived by a committee of the Ottawa Y.M.C.A. in 1938, the College had its beginning in 1942 when a group of interested citizens established the Ottawa Association for the Advancement of Learning. In that year evening classes of the first and second University years were opened under the name Carleton College. An Institute of Public Administration was added in 1943, and later absorbed by the College. Special matriculation courses for veterans were offered in the years 1945-46. These were the first day classes. Both day and evening curricula were expanded until, in 1951, they included undergraduate courses in Arts, Science, Commerce, Journalism, Public Administration, and Engineering. The College operated in rented quarters until 1946, when it acquired a building of its own. Subsequently, a students' union and a library were added.

CONTROL AND SUPPORT. The College is non-denominational, co-educational, privately controlled. It is financed by tuition income, private subscriptions, and provincial grants.

DEGREE COURSES. Day Division—B.A., B.Sc., 4-yr. pass courses and 5-yr. honours courses; B.Com., B.J. (Bachelor of Journalism), 4-yr. courses. Evening Division—B.A., B.Sc., B.Com., pass courses equivalent to those offered in the day division, but extending over a longer period of time.

DIPLOMA COURSES. Day Division—Diploma in Engineering, 2-yr. course, after which students continue for an additional 2 yrs. in another University for degree in Engineering. Evening Division—Diploma in Public Service Studies, the equivalent of a 2-yr. full-time course, but taking longer because followed by pt.-time students.

ADMISSION REQUIREMENTS. To first yr. of courses in Arts, Science, Commerce, Journalism—jr. matriculation (the Secondary School Graduation Diploma of the Province of Ontario, or an equivalent certificate). To first yr. of the course in Engineering or to second yr. of courses in Arts, Science, Commerce, Journalism—sr. matriculation (the Secondary School Honour Graduation Diploma of the Province of Ontario, or an equivalent certificate).

SUMMER SESSION. Evening classes in selected undergraduate subjects are offered in a 14-week summer session—June, July and Aug.

ADULT EDUCATION. Evening courses provided for employed men and women seeking degrees and diplomas are open as well to those interested only in single subjects. In addition, extension courses, for which no academic credit is allowed, are offered at low cost for interested members of the public.

FEES. Annually for tuition—Day Division: Arts, Science, Commerce, Journalism, \$240, plus \$15 lab. fee for each course involving lab. work; Engineering, \$330. Miscellaneous fees, additional, \$20. Evening Division: \$48 per subject, plus \$15 lab. fee for each course involving lab. work. Miscellaneous fees, additional per subject, \$2. Extension courses: \$5 to \$20 each.

FACILITIES. The College is housed in a four-storey brick building, set on a small campus in the Glebe, one of Ottawa's residential districts, about ten minutes by street car or bus from the centre of the city. In addition to classrooms and seminar rooms, facilities include engineering, chemistry,

biology, geology, and physics laboratories ; an audio-visual aids centre including equipment for sound motion picture projection, film-strip and slide projection, and radio workshop activities ; a canteen ; an assembly hall, equipped for stage productions. Near by is a three-storey students' union and a recreation building which provide accomm. for Students' Association offices, *The Carleton* (student weekly newspaper), reading rooms, games rooms, dark-rooms, radio broadcasting rooms, club rooms, and a student lounge. Athletic activities are carried on in the gymnasium and playing fields of Lansdowne Park, about six blocks from the College. Completed in 1951, a new library building provides study space for 200 students at one time and will accommodate 40,000 volumes. There are now 21,000 volumes in the library.

MILITARY TRAINING. Preparation for commissioned rank in the active or reserve forces of the Royal Canadian Navy or the Canadian Army is made possible by membership in the University Naval Training Division or the Canadian Officers' Training Corps. Training is on a pt.-time basis during the academic session, full-time during the summer months.

STUDENT SERVICES. Under the supervision of the College Medical Adviser a Student Health Service is provided. Also available are counselling and guidance facilities and a Student Placement Service. The College has no dormitories of its own, but maintains a Housing Registry through which rooms or rooms and board may be located in near-by homes. Meals and snacks are served in a canteen in the main building.

ALUMNI ASSOCIATION. An alumni association was formed in 1949. Graduates are eligible for full membership.

PUBLICATIONS. By the College—the annual *Calendar*. By the Students' Association—*The Carleton*, weekly newspaper ; *The Raven*, annually ; *Directory of Students*, annually.

THE YEAR 1949-50

BENEFACTIONS. By bequest of H. M. Tory, first President of Carleton College, \$67,148.58. First annual grant from Province of Ontario, \$65,000.

NEW DEPARTMENTS AND POST. First courses in Geog. and Sociol. First full-time appointment in Accounting.

MAJOR CURRICULAR CHANGES. Course leading to Certif. in Public Admin. discontinued. Courses leading to Dipl. in Public Service Studies and to specific hons. degrees in Economics and Chem. added. Fifth yr. in hons. courses given for first time ; first hons. degrees awarded May 19, 1950.

MILITARY TRAINING. Carleton College contingent of the Canadian Officers' Training Corps established, Sept. 1949.

SCHOLARSHIPS. Mercy Neal Southam Entrance Scholarships, six of \$500 each year, established.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	446	384
Women	281	136
Total	727	520

Included in the above are no postgraduate students, 213 first-year admissions of full-time students. Extension course students numbered 340 in addition.

DEGREES. B.A., 67 ; B.Sc., 14 ; B.Com., 17 ; B.J., 28 ; B.P.A., 4.

DIPLOMAS. Dipl. in Engin., 23 ; Certif. in Public Admin., 7.

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., Acad. and Glas., LL.D. Mt. All.,
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

Saunders, R. L. de C. H., M.D.,
Ch.B. Edin. Campbell Prof.

Instructors

Nichols, Roberta B., B.A., M.D.,
C.M.

Loder, P.

Demonstrators

Graham, J. V., M.D., C.M.,
F.A.C.S.

Phillips, H. R., M.D., C.M.

Art, v. Fine Arts

Biblical Literature

Andrews, E., M.A., Ph.D. Drew,
B.D. Pine Hill, B.A. Lectr.

*Biochemistry, v. Fisheries, and
v. Med., infra*

Biology

*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.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. Acad., M.A.,
Ph.D. Tor. Prof.

Trost, W. R., B.Sc. Alta., Ph.D.
McG. Asst. Prof.

Ryan, D. E., B.Sc. New Br., M.A.
Tor., Ph.D. Lond.

Asst. Prof.

* Also member of Fac. of Grad. Studies.

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

Classics

- *Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor. Prof. (K.).
 Doull, J. A., M.A. Tor., B.A.
 Asst. Prof.
 Anderson, Beryl L., M.A. Lectr.

Commerce

- Cumming, R. S., M.A. McG., B.A.
 Black Prof.
 Berman, W., B.Com. McG.
 Asst. Prof.
 Churchill-Smith, H., M.C.
 Sp. Lectr.

*Dentistry, v. infra**Economics and Sociology*

- *Maxwell, W. R., M.A. Harv., B.A.
 Prof. (K.).
 Prince, Rev. S. H., M.A. Tor.,
 Ph.D. Col., D.D. Wycliffe
 Prof. (K.).
 Graham, J. F., B.A. Br. Col., A.M.
 Col. Asst. Prof.

Education

- Mowat, A. S., M.A., B.Ed. Edin.
 Prof.

Engineering

- Theakston, H. R., B.Sc. (Mining)
 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.
 Mani. 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. (Bac-
 teriol.) 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., F.R.S.C.
 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.
 Waite, P., M.A. Tor. Lectr.

*Law, v. infra**Mathematics*

- *Adshead, J. G., M.A. Camb. Prof.
 *Walmsley, C., M.A. Camb. 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)
 Prof.
 Smith, H. D., Ph.D. Laval, M.A.
 (French) Assoc. Prof.
 Richter, Johanna, M.A. Tor. (Ger-
 man) 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.).

(K.) = King's College.

* Also member of Fac. of Grad. Studies.

Music

Hamer, H., F.R.C.O. Lectr.

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

*Grant, G. P., B.A. Qu., D.Phil.
Oxon. Munro Prof.

Vingoe, R. H., B.A. McM., M.A.
Tor. Asst. Prof.

Physics

*Johnstone, J. H. L., O.B.E.,
Ph.D. Yale, M.Sc.

Munro Prof.

*Archibald, W. J., Ph.D. Vir-
ginia, M.A., F.R.S.C.

(Math. Physics) Prof.

Guptill, E. W., B.Sc. Acad., M.Sc.
W. Ont., Ph.D. McG.

Assoc. Prof.

Blanchard, J. E., M.Sc. Tor.,
B.Sc. (Geophysics) Lectr.

Physiology

*Weld, C. B., M.A. Br. Col., M.D.
Tor. Prof.

Kaplan, J. G., A.B. C.C.N.Y.,
M.A., Ph.D. Col. Asst. Prof.

Spitzer, J., M.D. Munich Lectr.

Political Science

*Aitchison, J. H., B.A., B.Ed.
Sask., B.Sc. Lond.

Dennis Prof.

*Fraser, C. F., LL.M. Harv.,
M.A., LL.B. Sp. Lectr.

Psychology

*Page, F. H., M.A. Tor.

Prof. (K.).

*Thompson, Louise M., B.A. New
Br., B.Ed. Edin., Ph.D. Yale

Prof.

Morris, Mrs. Joan, B.A. Tor.

Sp. Lectr.

Public Affairs

*Fraser, C. F., LL.M. Harv., M.A.,
LL.B. Prof. and Dir. of Inst.

*Dentistry**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.

Children's Dentistry

McGuigan, J. P., D.D.S.

Assoc. Prof.

Crown and Bridge Work, etc.

Chudleigh, G. A., D.D.S. Balti-
more Col. Dent. Surg. 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**Lecturers*

Dewis, G. M., D.D.S.

Bissett, F. W. M., B.A., LL.B.

Crosby, H. S., D.D.S.

Kerr, K. M., D.D.S.

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.

Crosby, H. S., D.D.S. Prof.

(K.)=King's College.

* Also member of Fac. of Grad. Studies.

Eaton, D. C., B.Sc. Acad., 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. Acad., D.D.S.
Pentz, D. G., D.D.S.
Dexter, C. E., D.D.S.
Dexter, E. F., D.D.S.
Eaton, H. M., D.D.S.
Ervin, A. M., D.D.S.
Kerr, K. M., D.D.S.
McGuigan, J. P., D.D.S.
Merritt, J. E., D.D.S.
Vaughan, J. R., 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.
Phila. Dent. Coll. Prof.
Christie, P. S., D.D.S. Lectr.

Pre-School Age Clinic

Goldberg, L. S., D.D.S. Demr.

Prosthetic D.

Dewis, G. M. Prof.
Lecturers
Pentz, D. G., D.D.S.
Kerr, K. M., D.D.S.

Radiology

Eaton, H. M., D.D.S. Prof.

Law

Administrative Law

MacLeod, F. N., M.A. St. F. X.,
LL.B. Lectr.

*Agency, History of English Law,
International Law, Labour
Law*

Hendry, J. M., LL.M. Harv. and
Mich., B.A., LL.B.

Asst. Prof.

Bills and Notes

Smith, K. S., B.A., LL.B. Lectr.

*Conflict of Laws, Contracts,
Legislation*

*Read, H. E., O.B.E., K.C., B.A.
Acad., LL.M., S.J.D. Harv.,
D.C.L. Acad., LL.B.

Dean of Fac.

Constitutional Law

MacDonald, Hon. V. C., LL.D.
St. F. X. and Br. Col., B.A.,
LL.B. Lectr.

Corporations

Robertson, G. B., LL.M. Harv.,
B.A., LL.B. Lectr.

Criminal Law

Pottier, Hon. V. J., B.A., LL.B.
Lectr.

Equity I, Jurisprudence, Torts

*Lederman, W. R., B.A., LL.B.
Sask., B.C.L. Oxon. Prof.

Equity II

Cooper, A. G., B.A., B.C.L. Oxon.,
B.Com. Lectr.

Evidence

MacQuarrie, Hon. J. H., B.A.
Acad., LL.B. Lectr.

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.

* Also member of Fac. of Grad. Studies.

Beckwith, C. J. W., D.P.H. Tor.,
B.A., M.D., C.M.

Lecturers

Scammell, H. L., M.D., C.M.
Aikens, R. L., B.Sc., M.D., C.M.,
F.R.C.P.Can.
Read, H. C., M.D., C.M.
Campbell, A. B., M.D., C.M.
Moya, F. J., B.Sc. Laval (Exper.
Med.).

Clinical Instructors

Gosse, Margaret, B.A., M.D., C.M.
McG.

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.

Associate Professors

Colwell, W. G., M.D., C.M.
White, G. M., M.D., C.M. McG.,
F.A.C.S., F.R.C.S.Can.

Lecturer

Grant, K. M., B.Sc., M.D., C.M.

Demonstrators

Lawson, Jean M., B.A., B.Sc.,
M.D., C.M.

Tupper, C. W. R., B.Sc., M.D.,
C.M.

Perlin, I., B.Sc., M.D., C.M.

Corston, J. M., M.B., Ch.B. Edin.

Pathology

McLetchie, N. G. B., Ch.B., M.D.
Glas. Prof.

Associate Professors

Fodden, J. H., M.D. Leeds.
MacKee, R. A. H., M.D., C.M.
McG.

Assistant Professor

Harlow, C. M., B.Sc. Acad., Ph.D.,
M.D., C.M. McG.

Pædiatrics

Wiswell, G. B., M.C., B.A., M.D.,
C.M., F.R.C.P.Can. Prof.

Coward, N. B., M.D., C.M.
Assoc. Prof.

Lecturers

Ross, H. B., B.Sc., M.D., C.M.
Roberts, Maureen H., M.B., Ch.B.
Edin., D.P.H. Lond.

Pharmacology and Materia

Medica

*Aldous, J. G., M.A. Br. Col.,
Ph.D. Tor. Prof.

Reynolds, A. K., B.A., M.Sc. W.
Ont. Asst. Prof.

Demonstrators

Cooke, J. E., B.Sc.
MacKnight, Jessie I.

Preventive Medicine

Grant, H. G., M.D., C.M.
Dean of Med., Prof.

Assistant Professors

Campbell, P. S., M.D., C.M. McG.
Mackenzie, D. J., M.D., C.M.,
F.R.C.P.Can.

Beckwith, C. J. W., D.P.H. Tor.,
B.A., M.D., C.M.

Psychiatry

*Jones, R. O., B.Sc., M.D., C.M.
Prof.

Assistant Professors

MacKay, R. W. M., M.D., C.M.
Dunsworth, F. A., M.D., C.M.
Hall, H. K., M.D., C.M.

Nicholson, J. F., B.Sc., M.D., C.M.
Weil, R. J., M.D. Prague.

Tyhurst, Libuse J., M.D. Prague
Asst.

Lecturers

Leslie, W., M.D. Manlt.
Tyhurst, J., B.Sc., M.D., C.M.
McG.

Instructors

Lawrence, Jessie, B.A. Mt. All.

* Also member of Fac. of Grad. Studies.

Crook, A. H., B.A., M.S.W. Tor.

Radiology

Johnston, S. R., M.D., C.M. Prof.

Assistant Professors

Nichol, J. F.

Jones, C. M., B.Sc., M.D., C.M.

Lecturers

Smith, R. L., M.D., C.M. McG.

Loder, P. G., M.D., C.M.

Surgery and Clin. Surgery

Curry, W. A., M.D., C.M. McG.,

B.A., F.R.C.S. Prof.

Associate Professors

Skinner, G. F., M.D., C.M. McG.,

F.R.C.S. Ed. and Can.,

F.A.C.S.

Kinley, C. E., M.D., C.M., F.A.C.S.,

F.R.C.S.Can.

Mader, V. O., M.D., C.M. McG.,

F.R.C.S.Can.

Gosse, N. H., M.D., C.M., F.A.C.S.,

F.R.S.C.

Graham, J. V., M.D., C.M.,

F.A.C.S.

Assistant Professors

Noble, J. A., O.B.E., B.A. Acad.,

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

Ed.

Ross, E. F., O.B.E., B.Sc., M.D.,

C.M., F.A.C.S., F.R.C.S.Can.

Murphy, A. L., B.A., M.D., C.M.,

F.A.C.S.

O'Brien, H. D., B.A., M.D., C.M.,

F.A.C.S.

Merritt, J. W., M.D., C.M.,

F.R.C.S.Can.

Acker, J. C., M.D., C.M. McG.

Acker, T. B., M.D., C.M.

Stevenson, W. D., M.D. Tor.,

F.R.C.S.Can.

Miller, B. F., B.A. St. F. X.,

M.D., C.M., F.R.C.S.Ed.

(Orthopaedics).

House, W. K., M.D. Manit.,

F.R.C.S.Ed. Demr.

Lecturers

Pollett, W. E., B.A., M.D., C.M.,

F.R.C.S.Ed. and Can.

Nonamaker, E. P., M.D., C.M.,

F.R.C.S.Can.

Coady, B. K., B.A., M.D., C.M.,

F.A.C.S.

Béthune, G. W., B.Sc. Acad.,

M.D., C.M., F.R.C.S.Can.

Charman, J. H., M.D., C.M.

Instructors

Marshall, A. M., M.D., C.M.,

F.R.C.S.Ed.

Stoddard, C. C., M.D., C.M.

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.

Demonstrators

Reardon, C. H., M.D., C.M.

MacGregor, I. H., B.Sc., M.D.,

C.M.

Howell, D. R. S.

Mack, F. G., M.D., C.M.

Goldberg, H. I., B.Sc., M.D., C.M.

Medical Museums

Saunders, R. L. de C. H., M.B.,

Ch.B., M.D. Edin. Director.

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.

Assistant Professors

*Macdonald, A. D., Ph.D. M.I.T.,

M.Sc. (Physics).

Marshall, Frances, M.A. Nebraska,

Ph.D. Chic. (Psychol.).

* Also attached to Fac. of Arts and Sci.

Physical Education

Vitalone, G., B.Sc. Fordham, M.Ed. Rowley, Florence, B.Sc. Boston
 Springfield Director for Men. Director for Women.

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 certs. of the Coll. enter the 1st or 2nd yr. of the B.A. course. Principal, Frank MacKinnon, B.A. McG., M.A., Ph.D. Tor., LL.D. New Br.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's. Students who 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, Marion Dauphinee, B.A.

MARITIME COLLEGE OF PHARMACY. Courses recognized as part of the qualifications for B.Sc. (Pharmacy). 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). Recognized for Advanced Standing in 1st and 2nd yrs. in Arts.

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*—G. E. Wilson, M.A., Ph.D., F.R.S.C. *Law*—H. E. Read, O.B.E., K.C., B.A., LL.M., S.J.D., D.C.L., LL.B. *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., 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-yr. course. To be admitted to a regular course leading to B.A., B.Sc., or B.Com. a student must have credit for 7 subjects of Junior Matricn. in (1) English, (2) Algebra, (3) Geometry, (4) and (5) any two of Hist., Physics, Chem., Biol., Geol., Trigonometry, Latin, Greek, French, German, Spanish, Russian, (6) and (7) two foreign langs. For B.A. one matricn. lang. must be Latin or Greek; for B.Sc. 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, \$13.

SCHOLARSHIPS FOR GRADUATES OF THE UNIV. \$500 Resident Fellowship for Women; Macgregor Fellowships in Physics; Public Administration, \$350 and \$250; 8 additional scholps. of the value of \$750 each.

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. Residence for men, accommodating 60. Charges from approx. \$435. 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.-March); *Dalhousie Review*, quarterly; *Public Affairs*, quarterly. The following two bulletins are published monthly: *Industrial Relations*; *Municipal Affairs*.

THE YEAR 1949-50

BENEFACTIONS. \$45,461.00.

RETIREMENTS. Prof. H. L. Stewart (Phil.); Prof. R. J. Bean and Mrs. Elizabeth S. Bean, Instr. (Histol. and Embryol.).

RESIGNATIONS. Prof. D. Mainland (Anat.); Prof. E. G. Young (Biochem.); Assoc. Prof. R. W. Begg (Biochem.); Assoc. Prof. I. M. Murray (Anat.); Asst. Prof. H. G. Batt (Law); Asst. Prof. T. G. Feeney (Law); Asst. Prof. C. A. Reilly (Chem.); Asst. Prof. M. Schachter (Physiol.); Asst. Prof. L. G. Stephens-Newsham (Phys.); Hon. J. Doull (Law); J. E. Rutledge (Law); E. F. Cragg (Law).

DEATHS. *Professores Emeriti*: W. H. H. Beckwith (Dent.); J. G. MacDougall (Surg.); E. K. Maclellan (Obstet.); M. Macneill (Maths.); W. C. Oxner (Dent.); L. M. Silver (Med.). *Professors*: M. J. Carney (Pæd.); J. W. Dobson (Dent.). *Demonstrator*: P. Weatherbe (Surg.).

HONORARY DEGREES. LL.D.—Dr. Jane L. H. Bell, retired medical practitioner, Halifax; Hon. Paul J. J. Martin, Minister of National Health and Welfare, Ottawa; Dr. G. W. Thorn, Hersey Prof. of Theory and Practice of Physic, Harvard Univ. Med. School; Dr. K. A. MacKenzie, Prof. Emeritus of Med., Dalhousie Univ.; Dr. D. S. Lewis, Prof. of Pharmacol., McGill Univ.; Dr. J. H. McPhedran, Chairman of the General Council, Canadian Medical Assoc., Toronto; Dr. D. Murray, medical practitioner, Tatamagouche, N.S.; Hon. Sir A. J. Walsh, Chief Justice of Supreme Court of Newfoundland; W. R. Mackenzie, Prof. and Hd. of Dept. of English, Washington University; Miss Georgina M. MacKay, Principal, Morrison Glace Bay High School, N.S.; J. H. Craigie, Assoc. Dir. of Science Service and Dominion Botanist and Plant Pathologist, Dept. of Agriculture, Ottawa.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	21	1214
Women	22	296
Total	43	1510

Included in the above are 60 postgraduate students.

DEGREES. B.A., 69 ; B.Sc., 71 ; B.Sc. (Eng. Physics), 1 ; B. Comm., 33 ; B.Mus., 2 ; B.Ed., 2 ; LL.B., 56 ; M.D., C.M., 55 ; D.D.S., 12.

DIPLOMAS. Education, 24 ; L.Mus., 1 ; Engineering, 26 ; Pharmacy, 20 ; Public Health Nursing, 21 ; Teaching and Supervision in Schools of Nursing, 1 ; Food Technology, 2.

UNIVERSITY OF KING'S COLLEGE

HALIFAX, NOVA SCOTIA

Founded 1789, Royal Charter 1802

Telephone: Halifax 3-7497.

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE LORD BISHOP OF NOVA SCOTIA.

VICE-CHAIRMAN OF THE BOARD OF GOVERNORS—THE BISHOP OF FREDERICTON.

CHANCELLOR—Col. The Hon. RAY LAWSON, O.B.E., LL.D. Tor., W. Ont., and Miami, D.Cn.L.

PRESIDENT AND VICE-CHANCELLOR—Rev. Canon A. STANLEY WALKER, M.A. Leeds, Birm., and K.C., N.S., B.Litt. Oxon., LL.D. Dal., D.D. Queen's.

DEANS—*Divinity*—Rev. J. H. A. HOLMES, M.A., D.D. ; *Dean of Men and Registrar*—Rev. H. E. DYSART, B.A. ; *Dean of Women*—Mrs. VERA J. HACKENLEY.

TREASURER—W. WOOD.

SECRETARY—Rev. C. W. F. STONE, B.A., B.D.

LIBRARIAN—J. B. MARTIN, M.A., Ph.D.

TEACHING STAFF

Divinity—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm., and K.C., N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu. (Ch. Hist., Homiletics, and Moral Theol.), Pres. ; Holmes, Rev. J. H. A., M.A., D.D. (Dogmatics, Eccl. Polity, and Ch. Hist.), Dean ; Clarkson, Canon W. W., B.S.Litt., L.Th. (Hebrew and Gk. Test.), Lectr. ; Prince, Rev. S. H., M.A. Tor., Ph.D. Col. (Apologetics and Comp. Religion), 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. and Harv., Asst. Prof. of Engl. ; MacLennan, I. A., B.Sc. Lond., Lectr. in Maths.

Journalism (in association with the Univs. of Mount Saint 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, G. ; Sister Maura.

GENERAL INFORMATION

Opened in 1789 at Windsor, N.S., the University was established by Provincial Statute and granted a Royal Charter by King George III in 1802. In Sept. of 1923 King's removed to Halifax and became associated with Dalhousie University, as far as Arts and Science are concerned. The academic facilities in Arts and Science are shared by the students of both Universities for the time being, but King's retains complete control of her Divinity School, as well as of her present endowments, administration of residences, and all internal matters. Under the terms of the agreement between Dalhousie and King's, the University was re-established in Halifax by means of private subscriptions and with the financial aid of the Carnegie Corporation, which endowed the teaching of Liberal Arts. The new buildings, costing \$450,000, were opened for the session 1930-31. The University is governed by a Board consisting of the Bishops of the dioceses of Nova Scotia and Fredericton, the President and the Treasurer of the University, *ex officio*, together with 10 members elected by the Alumni Association, 8 elected by the diocesan Synods, and 4 co-opted by the Board.

LIBRARY. About 30,000 volumes. The library has some forty incunabula and a fair number of illuminated mediæval MSS. It is particularly rich in books of the 18th century, when the College was founded. The Library specializes in Divinity and Arts, although other fields are also represented. It has also a very fine collection of United Empire Loyalist china, which was collected in 1880 by Mrs. Weldon, a daughter of Thomas Chandler Haliburton, to mark the centenary of the landing of the Loyalists in the Saint John River Valley.

DEGREES. The degrees granted by King's in the Faculty of Divinity are the Bachelor of Sacred Letters, the B.D. and the D.D. ; diplomas of Licentiate of Theology and Scholar of Theology are also awarded. There is no provision for external degrees. The language of instruction is English. King's also is a partner in a School of Journalism in association with two other local Universities.

SCHOLARSHIPS. There are 6 or more Foundation Scholarships on entrance, worth \$600 each, and 5 or 6 Chancellor's Scholarships of the value of \$1600 each, the latter being provided for boys who wish to enter business.

ADMISSION. The minimum entrance requirements are either the Grade XI examinations of the Provinces of Canada, provided the certificate covers English, two foreign languages (Latin is required for Arts), History, Algebra, Geometry, and a Science, or the matriculation examinations of any recognized Univ., providing the same subjects are offered. Overseas students are granted *pro tanto* recognition in certificates, which they offer on entrance.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	125
Women	..	29
Total	2	154

HONORARY DEGREES. *D.Cn.L.*—Hon. J. A. D. McCurdy, Lt.-Governor of Nova Scotia ; Hon. A. L. Macdonald, Premier of Nova Scotia ; A. B. Wiswell.

DEGREES. Bachelor in Sacred Letters, 2.

DIPLOMAS. *L.Th.*, 4 ; Journalism, 2.

LAVAL UNIVERSITY*

QUEBEC

Founded 1852

Postal Address: Rue de l'Université, Québec.

Telephone: 2-1518.

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—Mgr. A. M. PARENT, D.Ph. Louvain, D.Th.

MODERATOR—JACQUES LESAGE, B.A.

SECRETARY GENERAL—ROBERT DOLBEC, L.Sc., L.Ph.

ASSISTANT SECRETARY—JACQUES GARNEAU, L.Ph., L.Th.

TREASURER—ROCH ROCHETTE, 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.

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. Corn.

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.

Garon, L.-P., B.A., B.S.A.

Gaudette, G., B.S.A., M.Sc.
Corn.

Gauthier, G., B.S.A., M.Sc. Corn.,
D.Sc.Nat.

Giasson, A., B.S.A., L.Ph.

Jean, Yves, B.A., B.Sc. App.

Mailloux, A., B.S.A., L.Sc. Montr.

Pelletier, J. R., M.Sc. McG., L.S.A.

Proulx, M., B.S.A.

Sirois, A., B.S.A.

Administration

Samson, M.

Prof.

Agriculture

Professors

Campagna, E., B.S.A., D.Sc.

Chevrette, J. E., B.S.A., D.Sc.
Corn.

Diamant, J., L.Ph., L.Sc.

Gagné, C., B.S.A., M.Sc. Corn.

Jean, F. X., M.Sc. Corn., L.Ph.

Pineau, M.-A., L.Sc., B.Sc.App.,
D.Sc. Montpellier.

St.-Pierre, M., B.S.A., D.Sc. Corn.

Scott, A., M.S.A. Tor.

Assistant Professors

Alarie, A., B.S.A., D.Sc. McG.

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

Instructors

Albert, O., B.S.A., D.Sc. Ames.
 Caron, L., B.A., B.S.A.
 Delisle, R., B.A., I.F.
 Ducharme, L., B.S.A.
 Gagnon, R., B.S.A.
 Gauthier, A., B.S.A.
 Labrecque, P., B.S.A., M.Sc.
 Ames.
 Lachance, R. O., B.S.A., D.Sc.
 McG.
 Guimond, A., M.Sc. McG., B.S.A.
 Mercier, L.-P., B.S.A.
 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.***Professors**

Tremblay, J.-L., B.Sc.App., D.Sc.,
 Dip. Biol. Stras.
 Dolbec, R., L.Ph., L.Sc.
 Bernard, R., B.Sc.App., M.Sc.,
 D.Ph. Corn.
 Corriveau, G. W., B.S.A., M.Sc.
 Gagnon, A., L.Sc.

Assistant Professors

Labrie, J.-A., B.Sc.App., D.Sc.
 Vandal, J. O., L.S.A.
 Filteau, G., B.Sc.App.
 Gauthier, G., B.S.A., M.Sc. Corn.,
 D.Sc.

Pomerleau, R., B.S.A., M.Sc.
 McG., D.Sc.

Richard, A., I.F., M.Sc., D.Ph.
 Corn.

Instructors

Bourbeau, G., B.Pharm., L.Sc.
 Brassard, A., D.Sc.
 Duguay, J., A.G., I.F., M.Sc.
 Mich.
 Desmarais, Y., L.Sc., Ph.D.

Botany

Gagnon, A., L.Sc. Prof.

Canadian Literature

Bégin, E., L. ès L. Prof.
 Lacourcière, L., L. ès L. Prof.

Cartography

Barrette, G., A.G., I.F.
 Asst. Prof.

*Chemistry***Professors**

Cloutier, L., B.Sc.App., D.Sc.
 Lille.
 Gagné, A., L.Sc.
 Gagnon, P.-E., B.Sc.App., D.I.C.
 Lond., D.Sc. Paris, D.Ph.
 Giguère, P.-A., B.Sc.App., D.Sc.
 Gravel, L., B.Sc.App., D.Sc.
 Ouellet, C., B.Sc.App., D.Sc. Zür.
 L'Écuyer, P., B.Sc., D.Phil. Oxon.,
 B.Sc.App.

Risi, J., D.Sc. Frib.

Assistant Professors

Amiot, L. P., B.Sc.App., D.Sc.
 Ménard, J.-A., L.Sc.

Instructors

Picard, S., B.A.Sc.
 Nadeau, G., B.Sc.App., Ph.D.
 Ouellet, L., B.Sc.App., Ph.D.
 Deschênes, M., B.Sc.App. Asst.

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. Jean, D. ès L. Madrid (Span.).
 Ouellet, R., L.Sc.Com. (Span.).
Dentistry, v. Med.
Drawing (Mechanical)
 Désy, J. R. A. Asst. Prof. Instructors
 Blouin, J.
 Parent, O.
 Plamondon, M.
 Paré, C.
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.
 Decœur, 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., B.A. Oxon., L. ès L.
 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. M.I.T. Prof.
 Grenier, P., B.Sc.App., M.Sc.
 Asst. Prof.

Engineering, Electrical

Professors

Massé, L., B.Sc.App., D.Sc. Colo-
 rado.
 Sarault, G. E., B.Sc.App., I.E.
 McG.
 Bricout, P., I.P. Paris, L.Sc.Math.,
 D.Sc. Paris.
 Koenig, H. P., D.Sc. M.I.T.
 Boulet, L., B.S.App., M.Sc.
 Asst. Prof.

Instructors

Swift, L., B.Sc.App., I.E. McG.
 Wermenlinger, D., B.Sc.App.

Wildi, T., B.Sc.App.
 Vaillancourt, E.

Asst.

English

Abel, G., B.A. Prof.
 Assistant Professors
 Falardeau, A., B.A.
 Robert, G., B.A., B.Th.
 Mackey, W., M.A.
 Porter, E., A.G., I.F.

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

Professors

Bédard, A., M.A., I.F., M.F. Yale,
 D.Sc.For.
 Bourget, M. A., A.G., I.F.
 Guay, E., I.F.
 Lussier, O., LL.L., I.F., D.Sc.For.
 Rousseau, Z., A.G., I.F.
 Assistant Professors
 Bernier, G.-H., A.G., I.F.
 Pomerleau, R., B.S.A., M.Sc. McG.,
 D.Sc.
 Wilson, J. O., M.A., Dipl.For.
 Oxon.
 Richard, A., I.F., M.Sc., D.Ph.
 Corn.

Instructors

Barrette, G., B.Arp., I.F.
 Deschamps, R., I.F., B.Arp.
 Lamothe, G., B.Sc.App., I.C.
 Linteau, A., M.Sc.For. Yale, I.F.
 Matte, L., I.F., D.Sc. Duke.

Forest Law

Richard, L. A., LL.D. Prof.

French Lang. and Lit., v. also

Modern Langs.

Professors

Talbot, L., L. ès L., L.Th.
 Bégin, E., L. ès L. (Fr. Lit.).
 Lacourcière, L., L. ès L. (Fr. Lit.).
 Laliberté, M., L. ès L. Paris, M.A.
 (Fr. Lit.).
 Marcotte, A., L. ès L.
 Auger, J. C., L. ès L.
 Potvin, P., L. ès L.
 Savard, F. A., B.A.

Assistant Professors

Jobin, A., L.Th.
 Fontaine, H., L.Ph., L. ès L.
 Lapointe, Jeanne, L. ès L.
 Garneau, B., L. ès L., L.Th.

Instructors

Valin, R., L. ès L.
 Bernier, J., L. ès L.
 Thibault, A., M.A. Harv., L. ès L.
 Paris.
 Lemaitre, H., D.Litt.

Geology and Mineralogy

Professors

Faessler, C., D.Sc. Frib.
 Laverdière, J. W., D.Sc. Lille,
 M.A.
 Dufresne, A.-O., M.Sc. McG.
 Auger, P.-E., B.Sc.App., B.Sc.
 Qu., D.Sc. M.I.T. Asst. Prof.
 Richard, A., I.F., M.Sc., D.Ph.
 Corn. 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.

Instructors

Biron, F., B.A.

Letarte, M., B.A.

Brochu, L., B.A.

Fortier, E., B.A.

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

Professors

Barrette, G., B.A.
 Benoit, G., B.A.
 Boutin, F., I.F., A.G.
 Hamel, E., B.Sc.App., I.C., A.G.,
 M.Sc.
 Larue, A., L.Sc.
 Pouliot, A., M.A., B.Sc.App., I.C.,
 L.Sc. Paris, LL.D.
 Royer, M., B.Sc.App., I.C., B.Sc.
 M.I.T.
 Savary, R., A.G., I.C.
 Carrier, L., B.A.
 Fillion, E., B.A.
 Matte, A., B.Sc. App.
 Assistant Professors
 Gosselin, R., I.F., M.A., D.Ph.
 Harv.

Laliberté, L., B.A.
 Massé, L., B.Sc.App., D.Sc. Colorado.
 Porter, E., A.G., I.F.
 Dupré, A., M.A., M.Sc. Montr.
 Instructors
 de Vogelaere, R., I.C., D.Sc. Louvain.
 Drolet, J.-P., B.Sc.App.
 Matte, L., I.F., D.Sc. Duke.

Medicine, v. infra

Meteorology

Bellefeuille, R., B.Arp., I.F., L.Sc.
 Asst. Prof.

Mining and Metallurgy

Professors

Letendre, G., B.Eng. McG., Ph.D. Lond.
 Archambault, M., I.C.
 Dufresne, A. O., M.Sc. McG.
 Royer, M., B.Sc.App., I.C. Montr., B.Sc. M.I.T.
 Waddington, G. W., B.Sc.App. Br. Col.
 Walsh, B. J., B.Sc. Qu.
 Potvin, R., B.Sc.App., I.C. Montr., B.Sc. M.I.T.
 Garneau, J. B., F.C.I.C.
 Asst. Prof.

Instructors

Jones, I. W., B.Sc.App. Alta., D.Ph. Tor.
 Larochelle, E., B.Sc.App., I.C.

Modern Languages

Belleau, J., LL.L. Prof.
 Lacerte, Mrs. Jean, D. ès L. Madrid Prof.

Music

Professors

Gagnon, H.
 Talbot, R., Mus.D.
 Tardif, A., B.A.
 Destroismaisons, L., B.A.
 Letourneau, O.
 Lapointe, P.-C., B.Mus.
 Vallières, H.

Roy, A., B.A.
 Assistant 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.
 Bussièrès, J.-M.
 Cayouette, M.
 Darisse, G., B.M.
 Fortier, E.
 Letourneau, P.

Philosophy

Professors

Grenier, H., D.Th., D.Ph., D.D.C. Rome.
 Gosselin, P.-E., L.Ph.
 de Koninck, C., D.Ph. Louvain.
 Parent, A.-M., D.Phil. Louvain, D.Ph.
 Gaudron, E., D.Ph. Louvain.
 Cantin, S., D.Ph.
 Robert, P., M.A., D.Ph.

Assistant Professors

Albert, G., D.Th. Rome.
 Giroux, A., L.Sc. Soc., L.Th.
 Babin, E., D.Ph. Notre-Dame.
 de Monléon, J., L.Ph. Paris.
 Kolnai, A., D.Ph. Vienna.
 Dionne, M., L.Ph., L.Th.
 Simard, E., L.Ph., L. ès L.
 Trépanier, E., L.Ph.

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. Jean, D. ès L. Madrid
 Asst. Prof.

- Doyon, Madeleine, B.A. Instr. Tremblay, M., L.Sc.Soc., M.A.
Harv. (Sociol.).
- Physics*
Tremblay, G., L.Ph.
Benoit, R., L.Ph., L.Th., L.D.C. Faucher, A., M.A. Tor., L.Sc.Soc.
Prof. Assistant Professors
Despres, J. P., D.Sc.Soc. (Indust.
Relations).
- Assistant Professors
Joncas, L., B.Sc.App., I.C., A.G.
Koenig, H. P., D.Sc. M.I.T.
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.
Louvain Prof.
Bilodeau, C., Dip. Ec. Pol. Sci.
Oxon., LL.L. Instr.
- Social Sciences*
Professors
Lévesque, G. H., L.Th., Dip. Sc.
soc. pol. Lille (Econ.).
Guimont, P. H., L.Sc.Com., M.A.
Harv. (Econ. and Finance).
Lebel, P., LL.L. (Econ.).
Leblond, W., M.D. (Hyg.).
Poulin, G., D.Sc.Soc. Paris (Sociol.).
Bussière, E., L.Sc.Soc. (Econ. and
Educn.).
- Martin, J. M., L.S.A. Montr.,
M.S.A. Cornell.
Dion, G., L.Th., L.Ph., L.Sc.Soc.
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.
Wash. (Soc. Work.).
- Tremblay, M., L.Sc.Soc., M.A.
Harv. (Sociol.).
Tremblay, G., L.Ph.
Faucher, A., M.A. Tor., L.Sc.Soc.
Assistant Professors
Despres, J. P., D.Sc.Soc. (Indust.
Relations).
- Hudon, L.-E., L.Ph., L.D.C.,
D.Th. (Sociol.).
Guérard, J. M., LL.L.
Denault, Hayda.
Bélanger, G., L.Th., L.Sc.Soc.
Wash.
- 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.
- 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.	Fortier, G., L.Th., L.Ph., D.Sc.	
Gagné, M., LL.L.	Instr.		Asst.
<i>Commerc. and Marit. Law</i>		Thérien, M., D.Sc.	Asst.
Bouffard, P.-H., LL.L.	Prof.	<i>Anæsthesia</i>	
Gravel, J.-P.-A., LL.D.	Prof.	Hudon, F., M.D.	Prof.
St.-Laurent, Rt. Hon. L., LL.D.		Assistants	
	Prof.	Bélanger, L. E., M.D.	
<i>Company Law</i>		Jacques, A., M.D.	
Taschereau, A., LL.L.	Prof.	Paquet, A., M.D.	
		Paradis, B., M.D.	
<i>Criminal Law</i>		<i>Anatomy</i>	
Lacroix, G., L.Ph., LL.L.	Prof.	Jobin, P., M.D.	Prof.
<i>History of Law</i>		Lemieux, J.-M., M.D.	Asst. Prof.
Pelland, Léo, LL.L., L.Ph. (and Introduction)	Prof.	Assistants	
<i>International Law</i>		Caron, W., M.D.	
Langlais, A., LL.D.	Prof.	Michaud, J. T., M.D.	
		Turcot, J., M.D.	
<i>Municipal and Educational Law</i>		Larochelle, J.-L., M.D.	
Gagnon, Hon. O., LL.D.	Prof.	Mercier, A., M.D.	
Prévost, Y., LL.L.	Asst. Prof.	Royer, L., M.D.	
		Dupuis, P., M.D.	
<i>Parish Law</i>		<i>Bacteriology</i>	
Giroux, G.-M., LL.D.	Prof.	Morin, J. E., M.D.	Prof.
<i>Procedure, Civil</i>		<i>Biochemistry</i>	
Professors		Gingras, Rosaire, M.D.	Prof.
Moraud, Lucien, LL.L.		Gaudry, R., D.Sc.	Asst. Prof.
Choquette, F., LL.L.		Pagé, E., L.S.A., D.Ph.	Corn.
Rivard, A., LL.L.			Asst. Prof.
Turgeon, H., LL.L.		<i>Biology</i>	
Assistant Professors		Giroux, M., M.D.	Prof.
Alleyn, R., LL.L.		Potvin, A. R., M.D.	Prof.
Labréfue, A., LL.L.		<i>Chemistry</i>	
<i>Roman Law</i>		Marcoux, H., M.D.	Prof.
Routhier, A., LL.D.	Prof.	Gaudry, R., D.Sc.	Asst. Prof.
Bonenfant, J. C., B.A., LL.L.		<i>Demography</i>	
	Instr.	Parrot, P., M.D.	Instr.
<i>Taxation Law</i>		<i>Dentistry</i>	
Letourneau, R., LL.L.	Prof.	Assistant Professors	
<i>Medicine</i>		Déry, A., D.Dent.	
<i>Adaptation</i>		Hamel, J., D.Dent.	
Dugal, L.-P., L.Sc., D.Ph. Penn.	Prof.	Hamel, P., D.Dent.	
Desmarais, A., D.Sc.	Asst.	Langlois, R., D.Dent.	
		<i>Deontology and Medical Econ.</i>	
		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.

Assistant Professors

Gosselin, J., M.D.
Payeur, L.-R., M.D.
Samson, M., M.D.

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. Johns
H. Prof.
Miller, J. C., M.D. Asst. Prof.
Instructors
Foley, A. R., M.D., D.H.P. Johns
H.

Gilbert, J., M.D., D.H.P. Tor.
Lafrenière, T.-J., M. Sc.App. M.I.T.
Sylvestre, J. E., M.D., D.H.P. Tor.
Tourangeau, F. J., M.D., D.H.P.
Tor.

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 Professors

Caron, S., M.D.
Desmeules, R., M.D.
Desrochers, G., M.D.
Jobin, J.-B., M.D.
Leblond, S., M.D.
Lemieux, R., M.D.
Lessard, R., M.D.
Nadeau, H., M.D.
Paquet, B., M.D.

Assistant Professors

Drouin, G., M.D.
Dugal, J. P., M.D.
Larochelle, L. N., M.D.
Martel, A., M.D.
Racine, G., M.D.
Rousseau, L., M.D.

Assistants

Larue, G. H., M.D.
Patry, L., M.D.
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.

Laroche, 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, E., 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

Gaumont, 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

Professors

Petitclerc, J.-L., M.D.

Roy, F., M.D.

Trempe, F., M.D.

Vézina, C., M.D.

Assistant Professors

Auger, G., M.D.

Laverigne, N., M.D.

Lemieux, J. M., M.D.

Roger, J. P., M.D.

Simard, A., M.D.

Samson, E., M.D.

Turcot, J., M.D.

Caron, W., M.D.

Assistants

Gagnon, G., M.D.

Giguère, A., M.D.

Lavoie, J., M.D.

Leclerc, L. P., M.D.

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.

Mathieu, A., D.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.
 Fortier, E., B.Th.
 de Koninck, C., D.Ph. Louvain.
 Morisset, B., L.Th.

Ledit, J., D.H. Rome.
 Lussier, M., L.Th.
 Beaumont, H., L.Th.
 Godin, G., B.Ph., 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, 9 schools affiliated; for boys, 23 affiliated and 1 aggregated.

ÉCOLE DE COMMERCE. 1 school affiliated.

ÉCOLE SUPÉRIEURE DE SCIENCES DOMESTIQUES. 1 school affiliated.

COURS LETTRES-SCIENCES. 50 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 Bishops of the ecclesiastical province of Quebec. The Profs. of the Faculties of Theology, Canon Law, and Philosophy are nominated by the Visitor, those of other Faculties by the Conseil de l'Université, composed of the Directors of the Seminary of Quebec and 3 Senior Profs. of the Faculties of Theology, Arts, Law, and Medicine, and the Deans of the Faculties of Philosophy, Letters, Sciences, Social Sciences, Agriculture, and Forestry and Surveying.

LIBRARIES: General, 375,639 vols.; others, 842,689 vols. GENERAL MUSEUM: Director: A. Jobin. LABORATORIES: Chem., Phys., Bact., Biol., Physiol., Anat., Pathol., Clinic., Physio-pathol., Biochem., Bot., Mineral., Geol., Optics, Hygiene.

FACULTIES AND DEANS. Theology (E. Lemieux); Philosophy (C. de Koninck); Law (Judge J. A. Gagné); Medicine (C. Vézina); Letters (Msgr. F.-A. Savard); Sciences and Engin. (A. Pouliot); Arts (Canon M. Laliberté); Social Sciences (G. H. Lévesque); Agriculture (F. X. Jean); Forestry and Surveying (A. Bédard).

SCHOOLS. Graduate Studies, Nursing, Education, Music, Commerce, Household Sci., Pharmacy, Social Work, Fisheries, History, and Geography.

DEGREES, DIPLOMAS, AND TEACHING ACTIVITIES. The Univ. perpetuates the stages by which a Degree was, and still is, reached in the Univ. of Paris. The Baccalauréat ès arts (B.A.) is not the equivalent of any of the English Degrees, but is an official certificate (recognized by the Govt.) that the student has successfully completed his literary and scientific studies, and is entitled to begin his professional studies in law, medicine, or applied sciences, or the Higher studies. It is obtained before he leaves the affiliated Institute, Seminary, or College at which he has studied. Students who reach a certain

standard in both letters and sciences obtain the B.A. After the B.A. the student may proceed to the Baccalauréat in Theology (3 yrs.); in Philosophy (2 yrs.); in Social Sciences (2 yrs.); in Civil Law (4 yrs.); in Music (2 yrs.); in Pharmacy (3 yrs.); in Surveying (3 yrs.); in Agriculture (4 yrs.); in Medicine (2 yrs.); in Commerce (2 yrs.); in Education (1 yr.); in Applied Sciences (5 yrs.); in Household Sciences (2 yrs.). The course for the Licence covers 3 yrs. after the B.A. in Philos. (L.Ph.); 2 yrs. in Letters (L. ès L.); 3 yrs. in Sciences (L.Sc.); 3 yrs. in Law (LL.L.); 4 yrs. in Theol. (L.Th.); 2 yrs. in Music; 4 yrs. in Social Sciences; 2 yrs. in Education. To obtain the Doctorate it is necessary to support successfully in public a thesis and propositions as in French Univs. The D. en M. or M.D. is granted after 6 yrs.' study, by examn.

The Diploma in Forestry is awarded after 4 yrs.' study in the Faculty of Surveying and Forestry.

The Faculty of Sciences provides a 5 yrs.' course leading to the Baccalauréat in Applied Sciences, or to a Licence and to a Doctorate in Sciences.

The Univ. has granted affiliation to about 70 private schools for boys and girls. At the age of 12 yrs. the children may choose between the primary course, a certificate being granted, after Univ. examn., at the end of the fourth year, and the classical course of the first degree (High School, 4 yrs.), with a certificate of matriculation at the end of the fourth year. The main difference between the two courses is the teaching of Latin, and the advanced teaching of Mathematics and of History, in the High Schools.

The High School course is given in Schools limited to such a course, or in Colleges and "Séminaires," which give, after the High School course, the teaching usual in Colleges of Arts. In these last institutions Greek is taught for 4 yrs.; Philosophy (theory, history, essays) for 2 yrs.; Latin for 6 yrs.

RECOGNITION of the B.A. of Laval is accorded by most European Universities, by Canadian Universities, and by most of those of the U.S.A.

FEES for tuition, \$300 to \$500 p.a., with an extra charge for laboratories.

RESIDENCE. Students of Theol. reside at the Grand Seminary, Ste.-Foy, near Quebec. The Maison des Étudiants, 49 St.-Joachim St., provides accommodation (rooms only) for about 40 male students. Other students live with families approved by the Moderator.

EXTRA-MURAL WORK. Summer courses in Theology, Philosophy, French, English, Spanish, Education, Gregorian Chant, Latin, Natural Sciences.

USUAL LANGUAGE OF INSTRUCTION: French.

PUBLICATIONS. *Annuaire général*, *Special Calendars*, for Graduate School, Theology, Law, Medicine, Education and Guidance, Sciences, Philosophy, Social Sciences, Nursing, Music, Letters, Commerce, Agriculture, Social Work, Surveying and Forestry, and Summer Courses. *La Revue de l'Université, Laval*; *Le Laval théologique et philosophique*, *Le Naturaliste canadien*, *Le Laval médical*, *L'Enseignement secondaire au Canada*, *Pédagogie-Orientation*, *Cahiers du Cercle Laennec*, *Revue des relations industrielles*, *Revue du service social*, *Le Carabin* (students' paper), publications of the Fac. of Theol., publications of the Fac. of Social Sciences.

THE YEAR 1949-50

NEW BUILDINGS. Under construction or to be constructed: Medical Centre and Hospital, School of Commerce, School of Theology.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. G. Bernardini, Univ. of Rome; R. Speaight, London; Prof. Y. Colle, Sorbonne; Prof. Deffontaines, Institut français de Barcelone; Father M.-A. Anawati, Univ. of Cairo; Mme Vannier Nicolas, Univ. de Montréal; Prof. A. Latreille, Univ. of Lyon; Prof. G. Briefs, Georgetown Univ., Washington, D.C.; Canon F. van Steenberghe, Univ. of Louvain; Prof. L. E. Palacios, Univ. of Salamanca; Prof. M. Giraud, Collège de France; Dr. J.-J. Trillat, Sorbonne; Prof. R. Grousset, Collège de France; Father Morice, Univ. of Angers.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Y. Desmarais (American Ass. for Adv. of Science, New York); Prof. P.-E. Gosselin (France and Italy); Msgr. F.-A. Savard (Institut scientifique franco-canadien, France); Prof. C. de Koninck (International Seminar of Pontigny); Dr. L.-P. Dugal (Congress of Physiol., Copenhagen); Father G. Dion (cultural mission throughout Latin America).

RETIREMENT. Dr. E. Couillard (Med.).

DEATHS. Archbishop Courchesne (Arts); Msgr. Bureau (Can. Law); Dr. Demers (Pharm.); Dr. Simard (Med.); Rev. A. Tardif (Music); Rev. M. A. Dion (Educn.).

HONORARY DEGREES. *Law*: H.E. the President of French Republic; H.E. the Lieut.-Governor of the province of Quebec, M. P. E. Gagnon. *Forestry*: J. Bourque, H. Bélanger, J. D. Brûlé. *Education*: O. J. Desaulniers, B. O. Filteau. *Sciences*: I. Brouillet.

STUDENTS. Full-time: 6124; Part-time: 2155.

DEGREES. *Theology*: Bacc., 20; Lic., 10. *Philosophy*: Bacc., 16; Lic., 12. *Law*: Bacc., 8; Lic., 51. *Medicine*: Bacc., 94; Doct., 144. *Nursing*: Dip., 170; Cert., 22; Bacc., 5. *Household Sci.*: Bacc., 6. *Educn.*: Cert., 3; Bacc., 32; Lic., 10. *Letters*: Cert., 14; Lic., 13. *Modern Languages*: Cert., 73. *Library Science*: Cert., 17. *Chem.*: Bacc., 9. *Mining Eng.*: Bacc., 13. *Physics*: Bacc., 8. *Chem. Eng.*: Bacc., 12. *Geol. Eng.*: Bacc., 2. *Elect. Eng.*: Bacc., 23. *Biol.*: Bacc., 2. *Pharm.*: Bacc., 14. *Agriculture*: Bacc., 13. *Fisheries*: Bacc., 1. *Social Sciences*: Cert., 34; Bacc., 22; Lic., 16. *Social Work*: Bacc., 16; Lic., 7. *Commerce*: Cert., 38; Bacc., 64; Lic., 78. *Forest. Eng.*: Bacc., 24. *Surveying*: Bacc., 22. *Every field*: Master's degree, 26. *Every field*: Doctor's degrees (excl. Med.), 21.

McGILL UNIVERSITY*

MONTREAL

Founded 1821

Postal Address : 805 Sherbrooke St. West, Montreal 2, P.Q.

Telephone : Marquette 9181.

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., A.M., Ph.D. Penn., D.C.L. Bishop's, LL.D. Qu., N.Y., Sask., Manit., Tor., Syracuse, Lond., Ursinus, New Br., McM., Birm., 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.

DEANS—*Agriculture*—W. H. BRITAIN, M.Sc. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.R.S.C., F.A.I.; *Arts and Science*—H. N. FIELDHOUSE, B.A. Oxon., M.A. Sheff., F.R.S.C.; *Dentistry*—D. P. MOWRY, D.D.S., F.A.C.D.; *Divinity*—J. S. THOMSON, M.A. Glas., D.D. Glas., Sask., Tor., LL.D. McM., Manit., Qu., Tor., Wash. State, McG., Alta., F.R.S.C.; *Engineering*—J. J. O'NEILL, Ph.D. Yale, M.Sc., F.G.S.A., F.R.S.C.; *Graduate Studies and Research*—D. L. THOMSON, B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Middlebury, F.R.S.C., F.C.I.C.; *Law*—W. C. J. MEREDITH, M.A. Camb.; *Medicine*—G. L. DUFF, M.A., M.D., Ph.D. Tor., F.R.S.C.; *Music*—D. CLARKE, M.A., Mus.B. Camb., F.R.C.M., F.R.C.O.

COMPTROLLER AND EXECUTIVE ASSISTANT TO THE PRINCIPAL—S. H. DOBELL, D.S.O.

SECRETARY AND BURSAR—W. BENTLEY.

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, B.A., D.Sc. Acadia.

DIRECTOR OF EXTENSION COURSES—F. S. HOWES, Ph.D. Lond.

SUPERINTENDENT OF BUILDINGS AND GROUNDS—R. G. DEFRIES, Ing.E.T.P. Paris.

INCORPORATED COLLEGES

MACDONALD COLLEGE, Ste.-Anne de Bellevue, P.Q. (Telephone : Ste.-Anne de Bellevue 335), including Faculty of Agric., School for Teachers, and School

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

of Household Science. Vice-Principal—W. H. Brittain, M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.R.S.C., F.A.I.

ROYAL VICTORIA COLLEGE, Montreal (the Women's College of the Univ.). Warden—Muriel V. Roscoe, B.A., D.Sc. Acad., A.M., Ph.D. Radcliffe.

TEACHING STAFF

MCGILL COLLEGE (Faculty of Arts and Science)

Accounting, v. Commerce, *infra*

Agriculture, v. Macdonald College, *infra*

Anatomy (Histology, Embryology)

Martin, C. P., M.A., M.B., Ch.B., Sc.D. Dub. Reford Prof.

Leblond, C. P., M.D., Ph.D. Paris, Ph.D. Montr., D.Sc. Paris

Prof.

Forster, D. S., M.D., C.M., M.A. Asst. Prof.

Lecturers

Cox, Phœbe, A.B. Mount Holyoke, M.B., C.M.

Stevens, Catherine E., B.Sc., Ph.D.

Varverikos, E. D., B.A. Sir G. Williams, M.D. Laval.

Workman, E. W., M.D., C.M., M.Sc.

1 Demr.

Anthropology, v. Sociology, *infra*

Architecture, v. *infra*

Art, v. Fine Arts, *infra*

Bacteriology, v. Medicine, *infra*

Biochemistry

Thomson, D. L., B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Middlebury, F.R.S.C., F.C.I.C.

Dean of Fac. of Grad. Stud. and Research, and Cheney Prof.

Quastel, J. H., Ph.D. Camb., D.Sc. Lond., F.R.S., F.R.I.C.

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., F.R.S.C. Assoc. Prof.

Saffran, Judith, B.Sc., Ph.D. Sessl. Lectr.

2 Demrs.

Biophysics

Evelyn, K. A., B.Sc., M.D., C.M. Assoc. Prof.

1 Clinical Fellow.

Botany

Roscoe, Muriel V., B.A., D.Sc. Acad., 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., Ph.D. Tor. Asst. Prof.

2 Demrs.

Chemistry, v. also Engineering, *infra*

Maass, O., C.B.E., Ph.D. Harv., LL.D. Manit., D.Sc. Rochester, Laval, and Tor., M.Sc., F.C.I.C., F.R.S.C., F.R.S.

Macdonald Prof.

Purves, C. B., B.Sc., Ph.D. St. And., D.Sc. Lawrence Coll. (Indust. and Cellulose Chem.)

Eddy Prof.

Hatcher, W. H., M.Sc., Ph.D., F.C.I.C., F.R.S.C. Prof.

Winkler, C. A., O.B.E., M.Sc.
 Manlt., D.Phil. Oxon., Ph.D.,
 F.R.S.C., F.C.I.C. Prof.
 Mennie, J. H., B.Sc. Oxon., M.A.
 Br. Col., Ph.D. Assoc. Prof.
 Nicholls, R. V. V., M.Sc., Ph.D.,
 F.C.I.C., F.C.S. Assoc. Prof.
 Taurins, A., Dr.Chem. Riga
 Assoc. Prof.
 Holcomb, R. K., B.S.A., Ph.D.
 Asst. Prof.
 Ross, A. S., B.A. W. Ont., A.M.
 Oberlin, Ph.D. Asst. Prof.
 Schiff, H. I., Ph.D. Tor.
 Asst. Prof.
 Campbell, W. B., B.Sc., Ph.D.,
 F.R.S.C., F.C.I.C. Hon. Lectr.
 Mason, S. G., B.Eng., Ph.D.
 Hon. Lectr.
 Ross, J. H., D.Sc. Geneva, B.Sc.
 Hon. Lectr.
 Madras, S., B. Sc. Sir G. Williams,
 Ph.D. Sessl. Lectr.
 25 Pt.-time Demrs.

Classics

Carruthers, C. H., B.A. Tor. and
 Oxon., M.A. Tor., Ph.D. Chic.
 (Class. Philol.) Prof.
 Woodhead, W. D., B.A. Oxon.,
 M.A. Alta., Ph.D. Chic.
 Mills Prof.
 Counsell, E. M., M.B.E., B.A.
 Oxon. Assoc. Prof.
 McCullagh, P. F., B.A. Tor., Ph.D.
 Chic., M.A. Assoc. Prof.
 Gordon, C. D., B.A. Alta., M.A.,
 Ph.D. Mich. Asst. Prof.
 Vallillee, G. A., B.A. Sessl. Lectr.

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. Cyril, Chev. Lég. d'H.,
 B.Com. Lond., A.M., Ph.D.
 Penn., D.C.L. Bishop's, LL.D.
 Qu., N.Y., Sask., Manlt.,
 Tor., Syracuse, Lond., Ur-
 sinus, New Br., McM., Birm.,
 D.Sc. Clarkson, D. de l'U.
 Montr. (Pol. Econ.), F.R.S.C.
 Princ. and Vice-Chan-
 cellor 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., Jur. Univ. 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.
 Vineberg, P. F., B.C.L., M.A.
 Asst. Prof.
 Corbett, D. C., M.A. Tor. Lectr.
 Dales, J. H., M.A. Harv. and Tor.
 Lectr.
 Weldon, J. C., B.A. Lectr.
 Macquarrie, H. N., B.A. Manlt.,
 M.A. New Br. Sessl. Lectr.
 Sainsbury, G. V., B.Com. Tor.,
 M.A. Chic. Sessl. Lectr.
 4 Assts.
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.
 Hebert, D. M. Lectr.
 Rittenhouse, C., M.A. Lectr.

German

Graff, W. L., Ph.D. Louvain
 Prof.
 Meyer, Bertha, M.A. Asst. Prof.
 Block, V., M.A. Lectr.

Graduate Studies and Research,
v. infra

Greek, v. Classics

Histology and Embryology, v.
Anatomy, supra

History

Fieldhouse, H. N., B.A. Oxon.,
 M.A. Sheff., F.R.S.C.

Dean of Fac. of Arts and
 Sci. and Kingsford
 Prof.

Adair, E. R., B.A. Lond., M.A.
 Camb., F.R.Hist.S. Prof.

Bayley, C. C., M.A. Manc., Ph.D.
 Chic. Assoc. Prof.

Cooper, J. I., M.A. W. Ont., Ph.D.
 Assoc. Prof.

Mladenovic, M., B.Com., M.L.
 Belgrade, D.L.L., D. ès Sc.
 Pol., D. ès Sc. Econ., Dip.
 d'Haute Études Soc. Paris

Asst. Prof.

Reid, W. S., Th.M. Westmin.,
 Ph.D. Penn., M.A.

Asst. Prof.

1 Assistant.

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. Haver-
 ford., 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.

Rosenthal, E., Ph.D. Cal. Tech.,
 M.Sc. Assoc. Prof.

Jackson, J. D., B.Sc. W. Ont.,
 Ph.D. M.I.T. Asst. Prof.

Lambek, J., M.Sc. 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.

Biberstein, O. A., L. ès Sc., Dip.
 d'Ét. Sup. Stras. Lectr.

Fullerton, R. D., B.A. Mt. All.,
 A.M. Harv. Lectr.

Macquarrie, Isabel S., B.A. Mani.,
 M.A. Wash. 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 Meta-
 physics) Frothingham Prof.
 Henderson, T. G., Ph.D. Harv.,
 M.A. Assoc. Prof.
 Currie, C., Ph.D. Harv., M.A.
 Asst. Prof.
 McKinnon, A. T., M.A. Tor.,
 Ph.D. Edin. Lectr.
 1 Asst.

Physical Education, v. infra

Physics

Shaw, A. N., M.A. Camb., B.A.,
 M.Sc., D.Sc., F.R.S.C., Dir.
 Macdonald Physics Lab.
 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.,
 F.R.S.C.
 Prof. and Dir. of Elec-
 tronics Res. 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. Laval, 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.
 Carruthers, J. A., M.A. W. Ont.
 Lectr.
 de Angelis, M. L., B.Sc. Lond.,
 M.Eng. Lectr.
 Henrickson, A., B.A. Br. Col.,
 M.Sc. Lectr.
 Joly, G. W., B.A. Loyola Lectr.
 Wagner, S., M.Sc., Ph.D. Lectr.
 Boyle, W. S., M.Sc., Ph.D.
 Sessl. Lectr.
 18 Pt.-time Demrs.

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. 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.
 Solberg, Patricia A., Ph.D. Chic.
 Asst. Prof.
 Wrigley, C. F., M.A. N.Z., Ph.D.
 Lond. Asst. Prof.
 Zubek, J. P., B.A. Br. Col., M.A.
 Tor., Ph.D. Johns H.
 Asst. Prof.
 2 Demrs.

Romance Languages

Launay, J. E. L., L. ès L., Dipl.
 d'Ét. Sup. Paris, Ag. de l'U.
 de France (French)
 Prof. and Dir. of French
 Summer Sch.
 Nardin, P. C., L. ès L., Dipl. d'Ét.
 Sup. Nancy, D.E.S. Besançon,
 Ag. et Dr. ès L. de l'U. de
 France (French) Prof.

- D' Andrea, A., Ph.D. Pisa (Italian)
Visiting Prof.
- Furness, Mme Lucie T., L. ès L.
Paris (French) Assoc. Prof.
- Larivière, Hélène, Ag. de l'U.
de France Assoc. Prof.
- d'Hauterive, 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.
Santander (Spanish)
Asst. Prof.
- Henry, Robina E., M.A. Dub.
Asst. Prof.
- Rigault, A. A., L. ès L., Dipl. d'É.S.
de L. Paris (French)
Asst. Prof.
- Gauny, Marie O., L. ès L., Dip.
d'Ét. Sup. Nancy, M.A. Bryn
Mawr Lectr.
- Lenoir, Norah M., M.A. Lectr.
- Romer, T., L. ès Sc. Pol. et Soc.
Lausanne Lectr.
- Stegen, G. F. (Spanish) Lectr.
- 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. Acad., Sc.M.,
Ph.D. Brown Asst. Prof.
- Scott, D. M., M.Sc., Ph.D. Lectr.
7 Demrs.

Architecture

- Bland, J., B.Arch.
Director and Prof.
- Spence-Sales, H. J., B.A. N.Z.
Assoc. Prof.
- Wilson, S. A., B.Arch. Asst. Prof.
- Johnson, W. A., B.A., B.C.L.
Lectr.
- Lebensold, D. F. Lectr.
- Balharrie, J. W. Sessl. Lectr.
- Sise, H. E., B.Sc. Arch. M.I.T.
Sessl. Lectr.
- Webber, G. Sessl. Lectr.
2 Demrs.

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.
- Howson, A. H., B.A. Lectr.
- Knowles, F., B.Com. Lectr.
- Lemieux, E. A., B.Com. Lectr.
- Mellor, C. D., B.Com. Lectr.
- Smyth, W. A., B.Com. Lectr.
4 Demrs.

Commerce

- Woods, H. D., B.A. New Br., M.A.
(Indust. Relns.)
Director and Assoc. Prof.
- Putnam, C. S., A.B. Harv. Lectr.

Social Work, v. *infra*

Sociology

- Dawson, C. A., A.B. Acad., Ph.D.
Chic. Prof.
- Hall, O., B.A. Qu., Ph.D. Chic.,
M.A. Assoc. Prof.
- Meltzer, B. N., M.A. Wayne, Ph.D.
Chic. Asst. Prof.
- Ross, Aileen D., B.Sc. (Econ.)
Lond., M.A., Ph.D. Chic.
Asst. Prof.
- Voget, F. W., B.A. Oregon, Ph.D.
Yale (Anthropol.) 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. Minn. Prof.

Schwartzman, D., M.A. Minn.,
B.A. Lectr.
Westbury, A. H., F.C.I.S. Lectr.
18 Demrs.

Dentistry

Mowry, D. P., D.D.S., F.A.C.D.
Dean and Prof. of Peri-
odontia.
Franklin, G., D.D.S., F.I.C.D.
Prof.

Associate Professors

Gerrie, J. W., B.A., D.D.S. Alta.,
M.D., C.M.
Leahy, W. G., B.Sc. Laval, D.D.S.
McCutcheon, J., M.Sc. Mich.,
B.A., D.D.S.
Racey, A. G., D.D.S., F.A.C.D.

Assistant Professors

Dagg, R. E., D.D.S., L.D.S.
Donigan, M. L., D.D.S., F.I.C.D.
Gordon, D. C., B.Sc. Acad., D.D.S.
Johnston, W. J., D.D.S.
Marchand, P. R., D.D.S.
McMahon, R. E., D.D.S.
Townsend, S. R., B.A., M.D., C.M.
Walford, W. F., D.D.S.

Lecturers

Kaufmann, J., M.D., C.M.,
F.R.C.P.Can. Sp. Lectr.
Stewart, C. C., M.D., C.M.
Sp. Lectr.
Stewart, R. C., B.Sc., M.D., C.M.
Sp. Lectr.
Abraham, J. W., M.M., D.D.S.
Brown, N., B.A., M.D., C.M.
Cameron, A. F., D.D.S.
Carver, J. K., D.D.S., F.I.C.D.,
F.A.C.D.
Couper, W. M., B.Sc., M.D., C.M.,
F.R.C.S.Ed. and Can.
Dorion, E. S., B.A. Ott., D.D.S.
Earle, J. M., B.Sc., D.D.S.
Gitnick, P. J., D.D.S.
Guilboard, T. I., B.A. Loyola,
D.D.S.

Halpenny, G. W., B.Sc., M.D.,
C.M., F.R.C.P.Can., F.A.C.P.
Harvey, R. F., D.D.S.
Henry, D. W., B.A. Bishop's,
D.D.S.

Johnson, W. A., B.A., B.C.L.
Mitchell, A. W., D.D.S.
McCarthy, J. J., B.Sc. St. F. X.,
D.D.S.

Richardson, A. D., D.D.S.
Rosen, L. J., D.D.S.
Smaill, S. S., D.D.S.
Stockwell, W. G., D.D.S.
Walsh, C. T., M.S. Mich., B.Sc.,
D.D.S.

37 Pt.-time Demrs.

Prosthetic D.

Bushell, W. C., D.D.S. Prof.

Divinity

Thomson, J. S., M.A. Glas., D.D.
Glas., Sask., Tor., LL.D. McM.,
Manit., Qu., Tor., Washington
State, McG., Alta, F.R.S.C.
Dean and McConnell
Prof. (Philos. and
Psychol. of Rel.).

Caird, G. B., B.A. Camb., M.A.,
D.Phil. Oxon.
(N. Test. Lang. and Lit.)
Prof.

Scott, R. B. Y., B.D. Knox, M.A.,
Ph.D. Tor., D.D. Vic. Tor.
(Old Test. Lang. and
Lit.) Prof.

Slater, R. H. L., M.A. Camb.,
Ph.D. Col.

(Syst. Theol.) Prof.
Smith, W. C., B.A. Tor., Ph.D.
Princet.

(Comp. Rel.) Birks Prof.
Walsh, H. H., M.A. King's, B.D.
Gen. Synod, S.T.M. Gen.
Theol. Sem., N.Y., Ph.D.
Col.

(Church History) Assoc.
Prof.

Kerr, J., B.A. Hon. Lectr.

Engineering

O'Neill, J. J., Ph.D. Yale, M.Sc.,
F.G.S.A., 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.

Charles, G. E., B.Eng. Lectr.
1 Demr.

*Civil Engineering and Applied
Mech.*

Jamieson, R. E., O.B.E., M.Sc.
Scott Prof.

French, R. de L., B.Sc., C.E.
Worc. Poly. Inst. (Highways
and Municp.) Prof.

Arcand, L. J., B.Sc., M.Eng.
Assoc. Prof.

Craig, C., B.A., M.Eng.
Assoc. Prof.

de Stein, J. L., B.Eng. Sask.,
M.Eng. Assoc. Prof.

Pakalnins, A., Dipl.Eng. Char-
lottenburg, D.Sc. Latvia

Wilson, V. W. G., S.M. M.I.T.,
B.Sc. Asst. Prof.

Neilson, S. A., B.Sc. Lectr.
2 Demrs.

Electrical Engineering

Wallace, G. A., M.Sc. Prof.

Christie, C. V., M.A. Dal., B.Sc.
Macdonald Prof.

Chipman, R. A., B.Sc. Manlt.,
Ph.D. Camb., M.Eng.

Howes, F. S., Ph.D. Lond., M.Sc.,
D.I.C. Assoc. Prof.

Schippel, W. H., B.Sc., M.Eng.
Assoc. Prof.

Farnell, G. W., B.A.Sc. Tor., S.M.
M.I.T. Lectr.

Gordon, A. I., B.Eng. Lectr.

Pavlassek, T. J. F., M.Eng. Lectr.
5 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. M.I.T., D.Eng.
Johns H., B.Sc. Prof.

Bruce, W., M.A.Sc. Tor.
Assoc. Prof.

Mordell, D. L., M.A. Camb.
Assoc. Prof.

Stafford, P. M., M.S.E. Mich.
Assoc. Prof.

White, J. M., B.E. Johns H.,
M.B.A. N.Y. Assoc. Prof.

Woods, H. D., B.A. New Br., M.A.
(Indust. Relns.) Assoc. Prof.

Oatway, H. C., D.I.C. Lond.,
B.Eng. Asst. Prof.

Lane, A. G., B.Eng. Lectr.

Fainstat, M. M., B.Eng.
Sessl. Lectr.

Greenwood, S. W., B.Sc. Brist.
Sessl. Lectr.

Kowalski, T., B.Sc. Glas.
Sessl. Lectr.

Lee, J.-J., B.S. Chiaotung, S.M.
M.I.T. Sessl. Lectr.

Levine, S., B.Eng. Sessl. Lectr.

Silver, E. M., B.Sc. St. And.
Sessl. Lectr.

Stachiewicz, J. W., B.Eng.
Sessl. Lectr.

Stalony-Dobrzanski, J. A. M.,
B.Sc. St. And. and Lond.
Sessl. Lectr.

6 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.Ogilvie, J. P., Ph.D. Calif., B.Eng.
(Metall.) Assoc. Prof.

Sproule, G. St. G., M.Sc.

(Metall.) Assoc. 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., LL.D.

Middlebury, F.R.S.C.,
F.C.I.C.Dean and Prof. of Bio-
chem.(Graduate instruction and super-
vision of research are under-
taken by members of all
Depts. of the Univ.)**Law**

Meredith, W. C. J., M.A. Camb.

Dean and Prof. of Law

LeMesurier, C. S., K.C., B.A.,
B.C.L. Prof. of L.Baudouin, L., D. en Droit, ès Sc.
Juridiques, et ès Sci. Polit.
Paris Prof. of Civ. L.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.

Teaching Fellow.

Civil Procedure

Anglin, J. P., B.A., B.C.L. Lectr.

Crankshaw, J. E., K.C., B.C.L.

Lectr.

Gazdik, J. G., Dr. Pol. Sc. Pécs,
LL.D., M.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) 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, Miss Vernon, B.S. in Lib.
Sci. Col., M.A.

Dir. and Asst. Prof.

Murray, Virginia, M.A. Col., B.L.S.
Asst. Prof.**Lecturers**

Astbury, Effie C., B.A., B.L.S.

Pratt, Phebe, B.A. Wellesley,
B.L.S.**Medicine***Anæsthesia*

Griffith, H. R., M.M., M.D.

Hahnemann, B.A., M.D.,

C.M., F.A.C.A., F.I.C.A.,

F.F.A.R.C.S. Eng.

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., F.A.C.A.

Asst. Prof.

Lecturers

Cullen, W. G., B.A., M.D. Tor.

Ferguson, R., M.B.E., M.D. Tor.,
F.I.C.A.

Gilbert, R. G. B., M.B., B.Sc.
 Lond., F.A.C.A.
 Pasquet, A. F., M.D. Qu., D.A.
 Stockwell, W. C., B.A. Bishop's,
 M.D., C.M.
 4 Demrs.

Anatomy, v. supra

Bacteriology and Immunology

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.
 Qu. Assoc. Prof.
 Kalz, Gertrude G., M.D., D.P.H.
 Prague Assoc. Prof.
 de Vries, Joan, B.A. Dal., M.D.,
 C.M. Asst. Prof.
 Kelly, C. D., M.S.A. Br. Col., Ph.D.
 Corn. Asst. Prof.
 Lecturers
 Elder, R. H., M.D. W. Ont.
 Jaffe, F. A., M.D., C.M., M.Sc.
 Masson, Anne M., M.D. Paris.
 Prissick, Frances H., B.A., M.D.,
 C.M. Lectr.
 1 Demr.

Biochemistry, v. supra

*Gynæcology, v. Obstetrics and
 Gynæcology*

Health and Social Medicine

Vivian, R. P., M.D. Tor.
 Strathcona Prof.
 MacMillan, C. W., M.D., C.M.
 Dal., D.P.H. Tor.
 Assoc. Prof.
 Wall, M. A., M.Sc. Col., B.H.S.
 Asst. Prof.
 Lecturers
 Blumefield, E. A., D.P.H. Tor.,
 M.D., C.M.
 Burke, H. E., M.D., C.M., M.Sc.,
 Ph.D.
 Cooke, Ethel B., R.N.

Cruikshank, W. H., M.D., D.P.H.,
 D.Psy. Tor.
 Ross, H. G., M.D., C.M.
 Silverman, B., M.D., C.M.
 Ward, R. V., M.D., C.M.,
 F.R.C.P.Can.
 1 Demr.

*Medical Jurisprudence, v. Toxi-
 col. and Med. Jurisp.*

Medicine

Browne, J. S. L., B.A., B.Sc.
 (Med.), M.D., C.M., Ph.D.,
 F.A.C.P., F.R.C.P.Can.,
 F.R.S.C. Prof.
 Brow, G. R., M.D., C.M.,
 F.R.C.P.Can., F.A.C.P. Prof.
 Mills, E. S., M.D., C.M., M.Sc.,
 F.R.C.P.Can., F.A.C.P. Prof.
 Associate Professors
 Evelyn, K. A., B.Sc., M.D., C.M.,
 F.R.C.P.Can., F.A.C.P.
 Feeney, N., B.A. Loyola, M.D.,
 C.M., F.A.C.P.
 Gordon, K., B.A., M.D., C.M.,
 F.R.C.P.Can.
 Mason, E. H., Ph.B. Brown,
 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.
 Rose, B., B.A., M.D., C.M., M.Sc.,
 Ph.D.
 Scriver, W. de M., M.A., M.D.,
 C.M., F.R.C.P.Can., F.A.C.P.
 Venning, Eleanor H., M.Sc., Ph.D.
 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., F.A.C.P.
 Bensley, E. H., M.B.E., B.A.,
 M.D. Tor., F.A.C.P.
 Burke, H. E., M.D., C.M., M.Sc.,
 Ph.D.

- Cameron, D. G., M.C., B.Sc. Sask. and Oxon., M.D., C.M.
 Copping, G. A., M.D., C.M., F.R.C.P.Can.
 Fullerton, G. W., M.D., C.M., F.A.C.P.
 Hill, W. H. P., B.A., M.D., C.M.
 Howlett, J. G., M.D., C.M., M.Sc., F.R.C.P.Can.
 Kalz, F., M.D. Prague.
 Kennedy, W. R., B.Sc., M.D., C.M.
 Lowenstein, L., B.A., M.D. Vanderbilt, F.A.C.P.
 McIntosh, J. F., B.A. New Br., M.D., C.M.
 Mitchell, H. S., B.A., M.D. Qu., F.A.C.P.
 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., F.A.C.P.
 Segall, H. N., M.D., C.M., F.A.C.P.
 Smith, F. McI., M.D., C.M., M.Sc., F.A.C.P.
 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.
 Wright, H. P., B.A. Bishop's, M.D., C.M.
- Lecturers
 Aronovitch, M., B.Sc., M.D., C.M., F.R.C.P.Can., F.C.C.P.
 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.
 Craig, G. E., B.Com., M.D., C.M., D.T.M.
 Cramer, H. I., B.Sc., M.D., C.M., F.R.C.P.Can.
 Fowler, A. F., M.D., C.M., F.R.C.P.Can.
 Halpenny, G. W., B.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P.
 Johnson, L. G., B.Sc., M.D., C.M., F.R.C.P.Can.
- Kalz, F., M.D. Prague.
 Malloy, C. J., B.A. Montr., M.D., C.M., F.R.C.P.Can.
 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.
 McKenna, R. D., B.A. Montr., M.D., C.M., F.R.C.P.Can.
 Mackenzie, K. R., B.A., M.D., C.M., Ph.D.
 McLellan, W. G., B.A., M.D., C.M.
 Ortenberg, S., M.D., C.M.
 Pattee, C. J., B.A. Bishop's, M.D., C.M., M.Sc.
 Quintin, T. J., M.D., C.M., F.A.C.P.
 Rodger, W. S., M.D., C.M.
 Stalker, M. R., M.D., C.M.
 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.
 Wight, G. E., O.B.E., M.D., C.M.
 28 Demrs., 8 Teaching Fellows.
- Neurology and Neuro-Surgery*
 Penfield, W. G., C.M.G., Litt.B., Hon. D.Sc. Princet., 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. Iowa, F.R.C.S.Can., F.R.S.C. Prof.
 Jasper, H. H., A.B. Reed, M.A. Oregon, Ph.D. Iowa, D. ès Sc. Paris, M.D., C.M. (Exper. Neurol.).
 Elliott, K. A. C., M.Sc. S.A., Ph.D., D.Sc. Camb. (Neurol.)
 Assoc. Prof.
 McEachern, D., M.D. Manito. (Neurol. and Neurochem.)
 Assoc. Prof.
 McNaughton, F. L., B.A., M.Sc., M.D., C.M. (Neurol.).
 Assoc. Prof.

Assistant Professors

Elvidge, A. R., M.D., C.M., M.Sc.,
Ph.D., F.R.C.S.Can. (Neurol.).

Kershman, J., M.D., C.M., M.Sc.
(Neurol.).

Olszewski, J., M.D. Freiburg
(Neuro-anat.).

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.).

Elliott, H. W., M.D., C.M., M.Sc.
(Neurol.) Lectr.

Robb, J. P., M.D., C.M., M.Sc.
(Neurol.) Hon. Lectr.

Shy, G. M., B.Sc., M.D. Oregon
Lectr.

5 Demrs., 1 Teaching Fellow.

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.

Assistant Professors

Henry, J. S., M.D., C.M., F.A.C.S.
Melhado, G. C., M.D., C.M.,
F.R.C.O.G., F.A.C.S.

Percival, Eleanor S., B.A., M.D.,
C.M., F.R.C.S.Can.

Simpson, G. A., M.D., C.M.,
F.R.C.O.G., F.A.C.S.

Strean, G. J., B.A., M.D., C.M.,
F.A.C.S., F.R.C.S.Can.

Ward, C. V., B.A. Bishop's, M.D.,
C.M., F.R.C.S.Can., F.A.C.S.

Lecturers

Ayre, J. E., M.D. Alta.

Foote, W. R., B.A. Br. Col., M.D.,
C.M., F.A.C.S.

Macarthur, J. L., M.D. W. Ont.,
F.R.C.S.Can., F.A.C.S.

MacFarlane, K. T., M.D. W. Ont.,
F.A.C.S.

Maughan, G. B., M.Sc., M.D.,
C.M., F.A.C.S.

Patrick, I., B.A., M.D., C.M.,
F.R.C.O.G.

Sparling, D. W., M.D. Tor.,
F.A.C.S.

8 Demrs. and 1 Teaching Fellow.

Ophthalmology

Johnston, K. B., M.D., C.M.

Assoc. Prof.

Nicholls, J. V. V., B.A., M.Sc.,
M.D., C.M.

Lecturers

Alexander, B., B.Sc., M.D., C.M.,
Viger, R. J., M.D., C.M.

4 Demrs.

Oto-Laryngology

McNally, W. J., B.A., M.D., C.M.
Dal., D.Sc., F.R.C.S.Can.

Prof.

Scharfe, E. E., M.D., C.M., D.L.O.
Asst. Prof.

Tremble, G. E., M.D., C.M.,
D.L.O., F.R.C.S.Can.

Asst. Prof.

Stuart, E. A., M.A. New Br., M.D.,
C.M., F.R.C.S.Can. and Ed.

Lectr.

2 Demrs., 4 Teaching Fellows.

Pædiatrics

Goldbloom, A., B.A., M.D., C.M.,
F.R.C.P.Can. Prof.

Ross, A., M.D., C.M. Prof.

Geddes, A. K., M.D., C.M.
Asst. Prof.

Scriven, Jessie B., B.A., M.D.,
C.M., F.R.C.P.Can.

Asst. Prof.

Worden, E. M., M.D. Tor.

Asst. Prof.

Bacal, H. L., M.B.E., B.A., M.D.,
C.M. Lectr.

Benjamin, B., B.A., M.D., C.M.
Lectr.

Denton, R. L., B.Sc., M.D., C.M.
Lectr.

MacDermot, P. N., M.D., C.M.
Lectr.

13 Demrs.

Parasitology, v. Macdonald Col-
lege, *infra*

Pathology

Duff, G. L., M.A., M.D., Ph.D.
Tor., F.R.C.S.

Dean of Fac. and Strath-
cona 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.

Assistant Professors

McMillan, G. C., M.D., C.M., M.Sc.,
Ph.D.

Pritchard, J. E., M.D. Manit.

Ross, R. C., M.D. Tor., M.Sc.

Lecturers

Mackenzie, M. B., B.Sc., M.D.,
C.M.

Mathews, W. H., M.D., C.M.

Wiglesworth, F. W., M.D. Manit.

3 Demrs., 4 Teaching Fellows.

Pharmacology and Therapeutics

Stehle, R. L., M.A. Ohio State,
Ph.D. Yale (Pharm.) Prof.

Melville, K. I., M.D., C.M., M.Sc.
(Pharm.) Assoc. Prof.

Beck, I. T., M.D. Geneva Lectr.

*Physiology, v. supra**Physiotherapy, v. Physiotherapy,
infra**Psychiatry*

Cameron, D. E., M.B., Ch.B., M.D.
Glas., D.P.M. Lond., F.R.C.P.
Can.

Prof. and Dir., Allan
Memorial Inst. of Psy-
chiatry.

Associate Professors

Cleghorn, R. A., M.D. Tor., D.Sc.
Aberd.

Malmö, R. B., M.A. Missouri,
Ph.D. Yale (Psychol.).

Moll, A. E., B.C.L., M.D., C.M.

Prados y Such, M., M.D. Madrid.

Silverman, B., M.D., C.M.

Dancey, T. E., M.D., C.M.

Assistant Professors

Hanson, F., B.Sc. Wisc., M.D.
Nebraska.

Reed, G. E., M.B. Tor.

Stern, K., M.D. Frankfurt.

Lecturers

Albert, S., B.A., M.D., C.M.

Bos, C. G., B.A., M.D., C.M.

Hershon, H., M.D. Geneva, B.Sc.

Hisey, L. G., M.D. Tor.

Kral, V. A., M.D. Prague.

Lehmann, H., M.D. Berlin.

Margetts, E. L., B.A. Br. Col.,
M.D., C.M.

Skitch, C. H., B.A., M.D. Alta.

4 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. Dal.

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.

Stewart, L. N., B.A. Sask., M.D.
Tor., D.M.R.T. Lectr.

3 Demrs.

Surgery

Miller, G. G., M.D., C.M., M.Sc.,
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.

Associate Professors

Armour, J. C., M.D., C.M., M.Sc.

Elder, H. M., C.B.E., D.S.O.,
M.D., C.M., F.R.C.S.Can.

Ross, D. E., M.D., C.M., M.Sc.,
F.A.C.S., F.R.C.S.Can.

Rowe, P. G., B.Sc., M.D., C.M.,
F.R.C.S.Can.

Wilkie, A. L., B.A. St. F. X., M.D.,
C.M.

Clinical Professor

Smith, E. S., M.D., C.M., F.R.C.S.
Can., F.A.C.S.

Assistant Professors

Dawson, H. L., B.A., M.D., C.M.

Gardner, C. M., M.D., C.M.,
F.R.C.S.Eng. and Can.,
F.A.C.S.

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., O.B.E., B.A.,
M.Sc. Dal., M.B., F.R.C.S.
Eng. and Can., F.A.C.S.

Moseley, H. F., M.A., D.M., M.Ch.
Oxon., B.A., F.R.C.S.Eng.
and Can., F.A.C.S.

Petrie, J. G., M.D., C.M.

Shannon, J. G., M.D. Tor., F.A.C.S.

Webster, D. R., O.B.E., B.A.,
M.D., C.M. Dal., M.Sc.,
Ph.D., F.R.C.S.Can. (Exper.).

Lecturers

Baxter, H. A., D.D.S., M.D.,
C.M., M.Sc.

Baxter, S. G., M.D., C.M., M.Sc.,
Ph.D.

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.

Hawthorne, A. B., B.A., M.D., C.M.

Kaufman, M., M.D., C.M.

Little, G. D., M.D., C.M., F.A.C.S.

MacDonald, S. A., B.A., M.B.,
Ch.B. Edin.

MacKenzie, D. W. (Jr.), M.A.
Camb., M.D., C.M., D.Sc. Col.,
F.R.C.S.Can.

McNaughton, E. A., M.D., C.M.,
F.R.C.S.Can.

Pretty, H. G., M.D., C.M., F.A.C.S.

Reid, R. G., M.D., C.M.

Vineberg, A. M., M.D., C.M., M.Sc.,
Ph.D.

22 Demrs., 3 Teaching Fellows.

Therapeutics, v. Pharmacol. and
Therap., *supra*

Toxicology and Medical Juris-
prudence

Rabinowitch, I. M., O.B.E., M.D.,
C.M., D.Sc., F.R.C.P.Can.,
F.A.C.P. Lectr.

Urology

Lecturers

Hawthorne, A. B., B.A., M.D.,
C.M.

MacDonald, S. A., B.A., M.B.,
Ch.B. Edin.

Seng, M. I., M.D. Texas, C.M.,
F.R.C.S.Can.

Music

Clarke, D., M.A., Mus.B. Camb.,
F.R.C.M., F.R.C.O.

Dean of Fac., Dir. of
Conservatorium and
Prof.

Anhalt, I.

Asst. Prof. and Lady
Davis Fellow.

Brott, A., L.Mus. Asst. Prof.

Duchow, M., B.A. N.Y., Mus.B.

Asst. Prof.

Tupper, R. de H. Lectr.

17 Instrs.

School for Graduate Nurses

Honey, Elva, B.N.

Actg. Dir. of School.

Peverley, Ann, B.Sc. Col.

Asst. Prof.

Lecturers

Holder, Janet M., B.N.

Logan, Elizabeth, B.Sc. Acad.,

M.N. Yale (Pædiatrics).

Ogilvie, Elsie C.

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. Spring-
field Assoc. Prof.

Assistant Professors

Bean, Gladys, M.A. Col.

Orlick, E., B.A. W. Ont., B.Sc.
(Phys. Ed.) Springfield, M.A.

Ryan, H. R., B.A. Acad., B.P.E.
Springfield.

Wagner, Thelma, B.Sc., M.A. N.Y.

Wood, Winona, B.A., B.Ed. Sask.,
M.A. Col.

Wilkinson, R. E., B.Sc. (P.Ed.).
3 Instrs. Lectr.

Physiotherapy

Fisk, G. H., B.A., M.D., C.M.
Director and Lectr.

Nicholson, Helen M.

Asst. Dir. and Lectr.

Miller, Barbara, B.A. Qu., Dipl.
Occ. Therapy Tor. 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

Moore, J. J. O., A.B. Missouri,
M.A. Denver, Ed.D. Col.

Dir. and Prof.

Elledge, Caroline H., Ph.B., M.A.
Chic. Assoc. Prof.

Assistant Professors

Aikin, Dorothy, M.A. Chic., Dipl.
Soc. Work.

Judkins, Barbara E., A.B. Smith,
M.S. Col.

Younge, Eva R., B.A. Alta., M.A.
Zaloha, Anne B., Ph.B. Chic.,
M.A. Northwestern.

Breul, F. R., B.A. Amherst, M.A.
Chic. Lectr.

1 Supervisor of Field Work.

ADMINISTRATIVE AND OTHER STAFF

Librarian, Osler Library : W. W. Francis, A.B., M.D. Johns H., M.D.,
C.M. Sec., McGill Graduates' Soc. : D. L. Gales, B.A., B.C.L. Chief Ac-
countant : G. A. Grimson, B.Com. Purchasing Agent : W. J. Hawkins,
B.Sc. Sask. Univ. Chaplain and Student Counsellor : E. C. Knowles, B.D.
Tor., M.A. Dir. of Univ. Placement Service : C. M. McDougall, D.S.O., B.A.
Dir. of Athletics, Phys. Educn., and Recreation : V. F. Obeck, B.S. Springfield,
M.A. Col. Asst. Warden of Wilson Hall : S. Orvig, B.Sc. Oslo. Warden of
Royal Victoria Coll. : Muriel V. Roscoe, B.A., D.Sc. Acad., A.M., Ph.D. Rad-
cliffe. McGill Univ. Representative in Gt. Britain : H. E. C. Rubie, B.A.,
B.Sc. Oxon. Sec.-Treasurer of McGill Students' Soc. : R. A. Shackell, B.Com.
Asst. Univ. Librarian : Beatrice V. Simon, M.A. Dir. of Student Health
Service : R. P. Vivian, M.D. Tor. Warden of Douglas Hall : F. M. Watkins,
A.B., Ph.D. Harv.

MACDONALD COLLEGE

Postal Address : Macdonald College, P.Q.

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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. Sec. and Asst. Bursar—J. H. Holton, B.Com. Tor. Registrar—A. B. Walsh, B.Sc. (Agr.).

Agriculture*Agricultural Bacteriology*

Gray, P. H. H., M.A. Oxon., D.Sc. Lond. Assoc. Prof.
 Thatcher, F. S., B.S.A., M.Sc., Ph.D. Asst. Prof.
 Wallace, R. H., B.Sc. Dal., M.Sc., Ph.D. Asst. Prof.
 1 Asst.

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. Bishop's, Ph.D. Laval Asst. Prof.

Coldwell, B. B., B.Sc. (Agr.), M.Sc. Lectr.

7 Demrs. and 1 Instr.

Agricultural Economics

MacFarlane, D. L., B.S.A., M.Sc. Sask., Ph.D. Minn. 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.

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.

3 Demrs.

Agronomy

Raymond, L. C., M.S. Wisc., B.S.A. Prof.

Lods, E. A., D. ès S. Montr., M.S.A. Assoc. Prof.

Brawn, R. I., B.S. Penn. State Asst. Prof.

Steppler, H. A., B.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

Swales, W. E., B.V. Sc. Tor., Ph.D. Hon. Assoc. Prof.

Dale, D. G., 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.

2 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., M.Sc. Asst. Prof.
Pettit, D. W., B.S.A. Tor. Lectr.
1 Asst.

Plant Pathology

Coulson, J. G., M.Sc. Qu., D.Sc.
Laval Prof.
Ludwig, R. A., M.Sc. Alta., Ph.D.
Assoc. Prof.
Callen, E. O., B.Sc., Ph.D. Edin.,
F.L.S. Asst. Prof.
1 Asst.

Poultry Husbandry

Maw, W. A., M.S.A. Assoc. Prof.
Nikolaiczuk, N., M.Sc. Alta.,
Ph.D. Ohio State
Assoc. Prof.

Institute of Parasitology

Cameron, T. W. M., T.D., M.A.,
D.Sc. Edin., Ph.D. Lond.,
F.R.S.C. Director and Prof.
Fairbairn, D., B.A. Qu., Ph.D.
Rochester Assoc. Prof.
Miller, M. J., B.Sc. Sask., M.D.
Qu., Ph.D. Tulane, M.Sc.
Assoc. Prof.
Choquette, L., D.V.M. Montr.,
M.Sc. Lectr.
Harpur, R. P., B.Sc. N.Z., M.Sc.,
Ph.D. Lectr.
2 Demrs.

Household Science

Neilson, Helen R., M.B.E., 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

Devereaux, Helen L., M.A. Tor.
Guilford, Marjorie J., B.Sc.
(H.Ec.) Manit. (Home
Econ.).
Jenkins, Marjorie M., B.Sc. (H. Ec.)
Alta.
Johnston, Joyce E., B.Sc.
Lloyd, Pauline M., B.Sc. (H.Ec.).
Proverbs, Muriel B., B.Sc. (H.Ec.).
Stickwood, Alice M., B.S., M.A.
Col.
Trapp, Margaret A., M.A. Col.,
B.Sc. (H.Ec.).
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.

Lecturers

Bowers, Phyllis, B.A. Qu.
Hamilton, J. W., B.A. Tor.
Jacques, A. Elizabeth.
Péron, Adèle P., B.Sc. (P.Ed.).
Woodburn, Rachel E. L., B.A.
Qu., M.A. Middlebury.
Doxsee, Rev. F. A. C., B.A. Tor.
and Oxon. (Relig. Instruc-
tion) Hon. Lectr.

ADMINISTRATIVE AND OTHER STAFF (MACDONALD COLLEGE)

Kelso, R. F., M.A., M.B. Qu.: Physician in the Macdonald Health Service. Langley, J. A.: Asst. Supt. of Bldgs. and Grounds. Meagher, J. W., B.A. Loyola, B.Sc. (P.Ed.): Athletics Director. Péron, Adèle P., B.Sc. (P.Ed.): Lectr. in Health and Physical Education. Shipley, W. S., B.Sc. (Agr.): Warden, Men's Residence. Strang, Marion G.: Warden, Women's Residence.

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.

NOVA SCOTIA AGRICULTURAL COLLEGE, TRURO, N.S. Actg. Principal: Kenneth Cok, M.S.A. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in the Faculty of Agriculture at Macdonald College.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I.: Principal, F. MacKinnon, M.A.; and MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Newfoundland: President, A. G. Hatcher, M.A., LL.D. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in some of the undergraduate faculties.

AFFILIATED THEOLOGICAL COLLEGES

DIOCESAN COLLEGE OF MONTREAL, 3473 University Street, Montreal, P.Q. (*Telephone*: Marquette 3004.) Principal,

PRESBYTERIAN COLLEGE, 3485 McTavish Street, Montreal, P.Q. (*Telephone*: Plateau 5754.) Principal, Rev. Robert Lennox, M.A., Th.B., D.D.

UNITED THEOLOGICAL COLLEGE, 3508 University Street, Montreal, P.Q. (*Telephone*: Belair 0752.) Principal, Rev. George G. D. Kilpatrick, 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 \$1,400,000.

EQUIPMENT. *Libraries*: General, 625,485 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. Reins. *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*. *Hospis.* available for clinics, 2000 beds in affiliated hospitals.

FACULTIES AND DEANS. *Arts and Science*—H. N. Fieldhouse ; *Law*—W. C. J. Meredith ; *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.*—J. Bland ; *Commerce*—H. D. Woods ; *Household Science*—Helen Neilson ; *Library Science*—Miss Vernon Ross ; *Nursing*—Elva Honey (Actg.) ; *Physical Education*—J. B. Kirkpatrick ; *Physiotherapy*—G. H. Fisk ; *Social Work*—J. J. O. Moore ; *Teachers*—D. C. Munroe.

ADMISSION. The matriculation examns. of the Canadian provinces and the British 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 Med. in the following clinical specialties : Anæsthesia, Dermatol. and Syphilol., Internal Med., Neurol. and Neurosurg., Obstetrics and Gynæcol., Ophthalmol., Otolaryngol., Pædiatrics, Psychiatry, Radiol., Surg. and Urol. These courses are open to approved medical graduates, and cover three yrs. of study.

DIPLOMA COURSE IN AGRICULTURE. The Diploma Course in the Faculty of Agriculture consists of two sessions of five mos. each (Nov. to March inclusive). Closely connected with this course is the " Old Country boy " project, under which boys from the British Isles are encouraged to take up the diploma course at Macdonald College so as to fit them for the work of farming, and every effort is made to give them both the theoretical and the practical education that is needed.

ATTENDANCE at lectures at the Univ. is indispensable for a degree or diploma, except in Music.

SUMMER SCHOOLS. In French, in Geography, and in Town Planning.

FEES (1951-52). Yearly tuition : Arts, \$300 ; Sci., \$325 ; Fine Arts, \$275 ; Engin., \$400 ; Architecture, \$400 ; Med., \$525 ; Dent., \$425 ; Law, \$325 ; Divinity, \$250 ; Music, \$300 ; Library School, \$285 ; Commerce, \$275 ; Physical Educ., \$325 ; Social Work, \$325 ; School for Grad. Nurses (Diploma Course), \$250, (Degree Course), \$300 ; Physiotherapy, \$325.

Graduate Faculty yearly tuition fees : Full-time required study in residence, \$250 ; 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)—Warden : Dr. Muriel V. Roscoe, \$680-\$685 p.a. ; McLennan Hall (28 students), \$565-\$660 p.a. Men : Douglas Hall (147 students)—Warden : Dr. F. M. Watkins, \$650-\$750 p.a., depending on course ; Wilson Hall (71 students), \$620-\$650 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, Basket-ball, Track, Swimming, Gymnastics, Boxing, Wrestling, Fencing, Skiing, Tennis. *For women* : Gymnastics, Dancing, Badminton, Swimming, Volley-ball, Basket-ball, Tennis, Archery, Golf, Skiing, Skating.

MILITARY TRAINING. Univ. contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve), and Canadian Air Force (Reserve).

EXTENSION WORK. Extension courses in approx. 75 subjects are given in the afternoon and evenings for residents of Montreal and vicinity. Some prepare students for special examns., such as are required by the various Accountancy Associations (leading to diplomas of C.A., C.P.A., etc.), and the Inter. and Final examns. of the Chartered Inst. of Secretaries : a few may be counted for the degree of M.Eng. Rural extension work is carried on through Macdonald College.

REPRESENTATIVE IN GREAT BRITAIN. H. E. C. Rubie, B.A., B.Sc. Oxon., Dulwich College, London, S.E.21. Telephone : Whitehall 5100.

PUBLICATIONS (Free). *Calendar* (October) ; *General Announcement* (for intending students) (May) ; *Faculty and School Announcements* (May to Aug.) ; *Directory of Staff* (Feb.) ; *Annual Report* (Dec.) ; *McGill News*, quarterly, by Graduates' Soc. ; *McGill Daily*, by students ; *McGill and its Story, 1821-1921*, by Cyrus Macmillan (London, John Lane ; Toronto, Oxford Univ. Press, \$3) ; *A Historical Sketch of the Medical Faculty and of the Origin of McGill University*, by Dr. Maude Abbott ; *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 1949-50

BENEFACCTIONS. \$5,408,899.

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 begun.

RETIREMENTS. Prof. D. H. Ballou (Otolaryngol.); Prof. W. A. G. Bauld (Obstet. and Gynæcol.); Prof. W. Bourne (Anæsthesia); Prof. C. C. Birchard (Med.); Prof. A. D. Campbell (Obstet. and Gynæcol.); Prof. A. O. Freedman (Otolaryngol.); Prof. W. A. Ferguson (New Test. Lang. and Lit.); Prof. J. Kaufman (Med.); Prof. L. M. Lindsay (Pædiatrics); Prof. G. S. Ramsey (Ophthalmol.); Prof. S. G. Ross (Pædiatrics); Prof. A. Ross (Surg.); Prof. J. Rosenbaum (Ophthalmol.); Prof. C. C. Stewart (Anæsthesia); Prof. A. J. Stewart (Surg.).

RESIGNATIONS. Prof. P. M. Anderson (English); Prof. R. A. Bradley (Maths.); Prof. A. S. Bruneau (Dean of Fac. of Law); Prof. E. G. Birr (Electr. Engin.); Prof. J. R. Beaudry (Agronomy); Prof. G. Calogero (Philos.); Prof. G. J. Dodd (Civil Engin.); Prof. G. Fauteux (Dean of Fac. of Law); Prof. M. Fainstat (Mech. Engin.); Prof. S. M. Friedman (Anat.); Prof. M. Hoffman (Med.); Prof. G. H. T. Kimble (Geog.); Prof. R. B. Killam (Mech. Engin.); Prof. H. Kalmus (Genetics); Prof. A. Jolliffe (Geological Sciences); Prof. W. Mathison (Civil Engin.); Prof. B. Meltzer (Sociol.); Prof. W. B. Rice (Mech. Engin.); Prof. H. E. Rosvold (Psychol.); Prof. C. J. Tidmarsh (Med.); Prof. W. E. Toreson (Pathol.); Prof. C. R. Stephen (Anæsthesia); Prof. W. A. Steeves (School for Teachers); Prof. B. Yamey (Marketing); Prof. A. Zaloha (Social Work).

DEATHS. Emeritus Prof. H. T. Barnes (Physics); Prof. B. P. Babkin (Physiol.); Prof. P. J. Kearns (Obstet. and Gynæcol.); Prof. K. O. Hutchison (Otolaryngol.).

HONORARY DEGREES. LL.D.—Hon. J. J. Astor; Rt. Hon. Sir Alexander Cadogan; A. B. Wood; Rt. Hon. Lord Woolton.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	242	5463
Women	307	1895
Total	549	7358

Included in the above are 746 postgraduate students and 1011 first-year admissions.

DEGREES. B.Sc. (Agric.), 101; B.Arch., 21; M.Arch., 1; B.A., 276; M.A., 38; B.Com., 144; M.Com., 1; D.D.S., 36; B.Div., 5; B.Eng., 442; M.Eng., 16; B.F.A., 1; B.Sc. (H. Ec.), 43; B.C.L., 49; M.C.L., 3; B.Lib.Sci., 48; M.D., C.M., 113; B.Mus., 2; B.Nurs., 24; B.Sc. (Phys. Educ.), 37; B.Sc., 225; M.Sc., 87; B.Soc. Work, 38; M.Soc. Work, 10; Ph.D., 42.

DIPLOMAS. Grad. Nurses, 53; Music (L.Mus.), 11; Grad. Dip. in Med., 49; Physiotherapy, 13.

MACDONALD COLLEGE DIPLOMAS. Agriculture, 23; Homemakers, 18.

McMASTER UNIVERSITY*

HAMILTON, ONTARIO

Founded 1887

Telephone : 3-7104.

CHANCELLOR—E. C. FOX, LL.D.

PRESIDENT AND VICE-CHANCELLOR—GEORGE PEEL GILMOUR, M.A.
Yale, D.D. Vic. Tor., D.C.L. Acad., B.A., B.D.

PRINCIPAL, HAMILTON COLLEGE—H. G. THODE, M.B.E., 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.

ACTING REGISTRAR—CHARLES W. H. LINTON, B.A.

BURSAR—W. N. PATERSON, B.A.

LIBRARIAN—MARGET H. C. MEIKLEHAM, M.A.L.S. Mich., B.A.

TEACHING STAFF

UNIVERSITY COLLEGE

Classics

Stearn, C. H., M.A. Camb., B.D.
Lond., Ph.D. Tor. Prof.
Salmon, E. T., B.A. Syd., M.A.,
Ph.D. Camb. Prof.
Thomson, Margaret H., M.A. Tor.
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.
Zür. Asst. Prof.

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.
Kilbourn, W. M., M.A. Harv. Sessl. Lectr.

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

- Zack, M. R., M.A. Instr. Dixon, H. C., B.Com. Tor.
Philosophy, Psychology, and Sp. Lectr.
Ethics Goundrey, G. K., B.A. Br. Col.
 Waters, F. W., Ph.D. Yale, B.A., Sessl. Lectr.
 B.D. Prof.
Romance Languages
 Dulmage, H. A., B.A., B.D., Ph.D. Patrick, A. W., M.A. Manit., D. de
 Chic. Asst. Prof. l'U. Paris Prof.
 Jury, G. S., M.A., Ph.D. Yale, Freeman, H. A., B.A. Sask., M.A.
 B.A. Sp. Lectr. Tor. Prof.
 Assistant Professors
 Bronner, F. J. L., B.A. Qu., M.A.
 McG., Ph.D. Ott.
 Stock, Marie, B.A. Qu., M.A. McG.
 Sessional Lecturers
 Hampel, L. E., M.A. Tor.
 Peterson, H., M.A. Tor.
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. Tor. Sp. Lectr.
Chemistry
 Thode, H. G., M.B.E., M.Sc. Sask.,
 Ph.D. Chic., F.R.S.C. Prof.
 Besterfield, S., B.Sc. Lond., Ph.D.
 Chic., F.R.S.C., F.C.I.C.
 Prof.
 Cragg, L. H., M.A., Ph.D. Tor.,
 F.C.I.C. Assoc. Prof.
 Graham, R. P., M.A. Qu. and Col.,
 Ph.D. Col., F.C.I.C.
 Assoc. Prof.
 Bourns, A. N., B.Sc. Acad., Ph.D.
 McG. Assoc. Prof.
 Hutcheon, A., M.A. Sask., Ph.D.
 McG. Asst. Prof.
 Kirkwood, S., B.Sc. Alta., M.S.,
 Ph.D. Wisc. (Biochem.)
 Asst. Prof.
Geography and Anthropology
 Prof.
 Reeds, L. G., M.A. Tor.
 Asst. Prof.
 Ruggles, R. I., B.A. Tor., M.A.
 Syracuse Sessl. Lectr.
Geology
 Armstrong, H. S., M.A. Tor.,
 Ph.D. Chic.
 Prof., Dean (Arts and
 Sci.).
 Scott, H. S., M.A.Sc. Tor.
 Asst. Prof.
 Shaw, D. M., M.A. Camb., Ph.D.
 Chic. 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.
 Sumner, D. B., M.A. Rand., M.Sc.
 Camb.

Britton, F. R., B.Sc. Wales, M.A.	McLay, A. B., M.A., Ph.D. Tor.,
Lectr.	B.A., F.R.S.C. Prof.
McCallion, W. J., M.A.	Duckworth, H. E., B.A., B.Sc.
Lectr.	Manit., Ph.D. Chic. Prof.
<i>Nursing Education</i>	Johns, M. W., Ph.D. Tor., M.A.
Reid, Alma E., B.A. Tor. Lectr.	Assoc. Prof.
Pinchbeck, Marjorie, B.N. McG.	Gulbis, F., M.Sc. Petrograd and
Lectr.	Riga Assoc. Prof.
Alderson, Henrietta J., B.Sc. Col.	
Lectr.	
<i>Physics</i>	<i>Zoology</i>
Dawes, H. F., M.A., Ph.D. Tor.,	Kleerekoper, H., M.A., Ph.D.
F.R.S.C. Prof. Emeritus.	Mich. Asst. Prof.

SCHOOL OF DIVINITY

<i>Church History</i>	<i>Missions and Religious Education</i>
Albaugh, G. P., B.A. Ohio State,	Kitchen, L. C., Ph.D. Hartfd., M.A.
B.D. Colg.-Roch. Assoc. Prof.	Asst. Prof., Dir. of Field
	Work for Divinity
<i>Hebrew and Old Test. Interpretation</i>	Students.
Parker, N. H., B.S. Miss., Th.D.,	<i>New Testament Interpretation</i>
South. Bap. Th. Sem. Prof.	Lang, H. W., S.T.M. Union, M.A.,
	B.D. Prof.
<i>Home Nursing</i>	<i>Practical Theology</i>
Bates, Mrs. Marion, B.A.	Stewart, H. S., B.A. Harv. and
Sp. Lectr.	Roch., D.D. Roch.
	Prof., Dean of School of
<i>Leadership Training</i>	Divinity.
Tupper, Lois A., B.A., B.Ed.	<i>Speech</i>
Sask., M.A. Col.	Bullen, F., B.A. Sp. Lectr.
Dir. Leadership Trg. Sch.	<i>Theology</i>
Bates, Mrs. Marion, B.A.	Aldwinckle, R. F., B.A. Lond. and
Sp. Lectr. in Practical	Oxon., D.Th. Strasbourg
Nursing.	Asst. Prof.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Extension and Summer Session : C. H. Stearn, M.A. Camb., B.D. Lond., Ph.D. Tor. Dean of Women : Mrs. Marion Bates, B.A. Dir. of Nursing Educn. : Alma E. Reid, B.A. Tor. Dir. of Placement and Guidance : J. E. Andoff, B.A. Dir. of Alumni Activities : D. G. Seldon, B.A., M.Com. Tor. Dir. of Athletics and Physical Educn. : I. Wynne, B.A., M.S. Supt. of Buildings and Grounds : E. T. Clarke. Asst. Dirs. of Physical Educn. : Joan M. Christie, B.P.H.E. : Leslie A. Prince. Accountant : C. H. M. Vinnels. Asst. to Registrar : A. S. Barley, B.A. Asst. Librarian : Dorothy I. Davidson, M.A., B.A.L.S. Tor. Asst. to Principal Thode : D. M. Hedden B.Sc.

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, 74,000 vols. The Mills Memorial Library, occupied in 1951, is the gift of the Mills Foundation of Montclair, New Jersey. Four floors provide for a capacity of over 120,000 vols., as well as the Reference Reading Room, Bibliography Room, and the Fine Arts collection of books, slides, prints, etc. Two important special collections are maintained by the Library: the Music Collection, established through the generosity of the Carnegie Corporation, contains over 2000 recordings, and a small library of music scores and books on music and musicians; the Baptist Historical Collection of books, documents and Association Minutes, forms a valuable record of Canadian Baptist history, past and present.

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.

HONORARY DEGREES. LL.D., D.Litt., D.Sc., D.D.

DIPLOMA. Vocational Guidance, given in Extension Dept. and summer school.

CERTIFICATES. Divinity School, 3 yrs.' course (1 yr. Arts and 2 yrs. Theology). Women's Leadership Training School in the Divinity School, 2 yrs. selected Arts and Theology, preparatory to missionary and other religious work.

PHYSICAL TRAINING. Two hours a week of physical training are compulsory for all students in each yr. from entrance to the end of the Junior Division.

MILITARY TRAINING. The Univ. Naval 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.

FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC. 13 Entrance Scholps. offered by the Univ., each of approx. \$1000 value; numerous Scholps. and prizes in courses; some Bursaries for Graduate Assts. in Educational Studies; Ontario Research Council Bursaries and National Research Council Bursaries.

PLACEMENT SERVICE. Offers pt.-time, summer, and full-time employment for both undergraduates and graduates.

GRADUATES ASSOCIATIONS. McMaster Alumni with offices at Univ. together with local branches of the Alumni and offices in various localities.

UNIVERSITY STUDENT HEALTH SERVICE. Student Health Service, Health and Accident Insurance, granted by the Student Union with limited coverage.

STUDENT ATHLETIC FACILITIES. Inter-collegiate rugby, basket-ball, participation in all other forms of sport and a good programme of athletic activity.

STUDENT UNION with office on the campus administering all student programmes and govt. on the campus.

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 1949-50

OTHER DEVELOPMENTS. Pre-Engineering Yr. reinstituted. Adult educn., chiefly in the form of non-credit courses in extension dept. and summer school, involved 953 persons.

DEATH. W. B. Hurd, Actg. Assoc. Dean, Arts and Science, 1939-46.

HONORARY DEGREES. Oct. 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.

THE UNIVERSITY OF MANITOBA*

WINNIPEG

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Iowa State.

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Ed. and Can.

Sigurdson, L. A., M.A., M.D.

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Ill.

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Des.

Carrothers, G. A. P., M.Arch.
Sp. Lectr.

5 Assts.

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D.Sc. Birm., F.R.S.C.

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1 Graduate Asst.

*Business Administration and
Finance*

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Prof. and Dir. of School
of Commerce.

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Chic., B.Com. Asst. Prof.
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2 Sessl. Lectrs., 1 Asst.

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F.R.S.C., F.C.I.C.

Hd. of Dept.
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D.Phil. Oxon., F.C.I.C.

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McG.

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Biermann, W. J., B.S. St. Louis,
Ph.D. Wisc.

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Kartzmark, Eleanor M., M.Sc.
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Syracuse.
Wahn, J. D., B.S.A., M.Sc. Sask.
Bellan, R. C., M.A. Tor., B.A.
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Education

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McG., F.C.I.C.
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Marantz, O., B.Sc. (C.E.).
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Borgford, S. J., B.Sc. (C.E.).
Clark, R. H., M.Eng. McG.
Hovey, C. M., B.Sc. (C.E.).
Lecturers
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Baracos, A., M.Sc. (C.E.) Alta.
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Professors
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Dorsey, J. W., E.E. Lehigh.
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McKellar, A. D., B.Eng. (Mech.)
McG. Sessl. Lectr.
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Brodersen, G. L., M.A. Oxon.
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D. de l'U. Paris Prof.
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École de Prép. Paris.
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Neamtan, S. M., B.Sc., Ph.D.
McG., M.A. Tor.

Assoc. Prof.

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Taylor, Rev. G. E., M.A., B.D.
Asst. Prof.

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Brown Prof.

Glassen, P., M.A. Tor., A.M.
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Harrold, J. H., M. A., Ph.D. Tor.

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Standil, S., M.Sc. Qu.

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Sawatzky, A., B.Sc.

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Political Economy, v. Econ.

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D.Phil. Berl. Prof.

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Psychology

Springbett, B. M., M.A. Alta.
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Burns, Joyce H., M.A. Tor., B.A.
Lectr.

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Wardle, R. A., M.Sc. Manc.,
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Paterson, J. J., B.S.A., M.Sc.
Sask. Asst. Prof.

Animal Science

Brown, J. McC., M.M., B.S.A. Tor.,
M.Sc. Minn.

Prof. and Actg. Dean of
Fac. of Agric. and
Home Econ.

Hodgson, G. C., M.S. Corn., B.S.A.,
Dip.Ed. Assoc. Prof.

Stringam, E. W., M.Sc. Alta.,
Ph.D. Minn. Assoc. Prof.

Kondra, P. A., B.S.A., M.Sc.
Asst. Prof.

De Pape, R. A. G., B.S.A. Lectr.

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
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Allen, Lillian B., B.A., M.S.
Syracuse Asst. Prof.

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Edmond, Mrs. Margaret H., B.Sc.
(H. Ec.).

Little, Mrs. Muriel R., B.Sc.
(H. Ec.).

1 Graduate Asst.

Bacteriology and Animal Pathology

Professors

James, N., B.S.A. Tor., M.S.,
Ph.D. Iowa State Coll.

Savage, A., B.S.A. McG., D.V.M.
Corn.

Assistant Professors

Jamieson, M. C., B.S.A. Tor., M.Sc.

Campbell, N. E. R., B.S.A. Tor.,
M.Sc.

Child Development and Household Management

McLauchlin, Florence, M.S. Iowa
State Coll., B.Sc. (H. Ec.)

Assoc. Prof.

Dairy Science

Brown, R. W., B.S.A. Tor., M.Sc.
Iowa State Coll. Prof.

Education

Moxon, Mary C., Ph.B. Chic.,
M.A. Assoc. Prof.

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Mitchener, A. V., B.A. McM.,
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B.Sc (H. Ec.) Lectr.
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B.S.A. Hon. Lectr.

Soils

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Prof.

Hedlin, R. A., B.S.A. Sask., M.Sc.
Alta., Ph.D. Wisc.

Asst. Prof.

Medicine

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

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F.A.C.P., F.R.C.P.Can. Prof.
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Forensic Medicine

Duval, P. G., K.C., B.A., LL.B.
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Beckman, I. H., M.D. Lectr.
Alexander, W., M.D. Lectr.

Medical Research

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Perry, W. F., B.Sc. McG., M.A.,
M.D., C.M. Qu.
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Medicine and Clinical Medicine

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Manit., F.R.C.P.Can.

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Can.

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M.D., C.M. McG., F.A.C.P.,
F.R.C.P.Can.

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Ross, E. L., M.D.

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Tisdale, P. K., B.Sc., M.D.

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F.R.C.S.Can.

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Abbott, W. F., M.C., B.A., M.D.,
C.M. (Gynæcol.) Assoc. Prof.

Best, B., M.D., F.R.C.S.Ed.
Asst. Prof.

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Andison, A. W., B.A., M.D.

Bleeks, C. K., M.D.

Guyot, H., B.A., M.D.

Lyons, R., B.A.

1 Teaching Fellow, 12 Demrs.

Ophthalmology

Elvin, N. L., M.D.

Prof.

Ramsay, R. M., M.S. (Ophthalm.)
Minn., M.D.

Lectr.

Rose, J. E., M.D.

Lectr.

Otolaryngology

Black, R.

Pathology

Nicholson, D., M.D., C.M.

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M.D. Assoc. Prof.

Williams, T. H., M.D., C.M.,
D.T.M. & H. Lond.

Asst. Prof.

Penner, D. W., B.A. Sask., M.D.

Asst. Prof.

Newell, J. E., B.Sc., M.D. Lectr.
Hoogstraten, J., Ph.D. Camb.,
M.D. Lectr.

Wilt, J. C., M.D.

2 Teaching Fellows, 1 Demr.

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Director of Dept. and Prof.

Medovy, H., M.D. Asst. Prof.

Graf, J., M.D. Modena.

Popham, H. E., M.D. Lectr.
8 Demrs.

Physiology and Medical Research

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Prof.

Ormerod, M. J., M.D. Tor.

Assoc. Prof.

Assistant Professors

Saunders, M. G., M.Sc., M.B.,
Ch.B. Manc.

Perry, W. F., B.Sc. McG., M.A.,
M.D., C.M. Qu.

Blanchaer, M. C., B.A., M.D. Qu.
Hildes, J. A., M.D. Tor., F.R.C.P.

Can.

Hawkins, W. W., B.A. New Br.,
M.Sc. Dal.

Armstrong, J. B., M.D. Tor.
Thomson, A. E., B.A. Sask., M.D.,
M.Sc.

Lecturers

Ferguson, Marion H., Ph.D. Edin.,
B.Sc.

Blondal, H., B.Sc. (E.E.), M.D.
1 Demr.

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Childe, A. E., M.D. Assoc. Prof.

Stuart, F. G., B.A. Sask., M.D.
Lectr.

3 Demrs.

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Prof.

Surgery

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F.A.C.S., F.R.C.S.Can. Prof.

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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.

Assistant Professors

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Abbott, A. C., B.A., M.D., C.M.,
F.R.C.S.Ed. and Can.

Cameron, H. F., M.D., F.R.C.S.
Ed., F.R.C.S.Can.

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Ed., F.R.C.S.Can.

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.

Deacon, A. E., M.Sc. Minn., M.D.

Holland, T. E., B.Sc., M.D.,
F.R.C.S.Ed. and Can.

Huggins, Donald, 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.

Parkinson, D., M.D., C.M. McG.,
M.Sc. Minn.

Peikoff, S. S., 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 AND OTHER STAFF

Executive Assistant to the President, J. B. Rollit, M.A., Ph.D. Dean of the Fac. of Arts and Science, W. J. Waines, M.A. Dean of the Fac. of Engineering and Architecture, A. E. Macdonald, M.Sc. (C.E.), F.C.I.C. Director of the School of Architecture, J. A. Russell, B.Sc., M.Arch. Dean of the Fac. of Medicine, L. G. Bell, M.D., F.R.C.P.Can. Actg. Dean of the Fac. of Agriculture and Home Economics, J. McC. Brown, M.M., B.S.A., M.Sc. Minn. 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. Dean of the Fac. of Graduate Studies and

Research, W. H. McEwan, M.Sc., M.A., Ph.D. Director of University Extension and Adult Education, A. S. R. Tweedie, M.A. Director of the School of Music, R. W. Gibson, Mus.B. Director of the School of Social Work, C. E. Smith, B.Sc., M.A., D.Pæd. Director of the School of Art, W. A. McCloy, M.A., M.F.A. Director of the Summer School, W. M. Huggill, B.A., Ph.D. Director of the School of Commerce, J. B. Rollit, M.A., Ph.D. Director of the School of Pharmacy, D. McDougall, B.Sc. (Pharm.), M.Sc., F.C.I.C. Director of Nursing Education, Margaret Hart, M.A.

Asst. Comptroller, K. D. McLean, B.S.A. Recorder, Margerie White. Librarian, Junior Library, Edna Greer, B.A. Asst. to the Dean of Women, Mrs. Jane S. Wood, 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, T. S. Webster, M.A. Dean of Women's Residence, Mrs. Joan Webster, M.A. Physical Director, R. W. Youmans.

AFFILIATED COLLEGES represented on the Senate, the first four having power to confer degrees in Divinity :

ST. BONIFACE COLLEGE, St. Boniface (R.C.). (*Telephone* : 201 625.) Rector—Rev. Georges Desjardins, S.J., B.L., Lic.Ph., Lic.Th., D.S.S.

ST. JOHN'S COLLEGE, Winnipeg (C. of E.). (*Telephone* : 927 893.) Warden—Rev. Canon L. F. Wilmot, B.A., B.D.

UNITED COLLEGE, Winnipeg (United Ch. of Canada). (*Telephone* : 722 291.) Principal—Rev. W. C. Graham, M.A., Ph.D., S.T.M., D.D., F.R.S.C.

ST. PAUL'S COLLEGE, Winnipeg (R.C.). (*Telephone* : 932 471.) Rector—Rev. Joseph P. Monaghan, S.J.

MANITOBA LAW SCHOOL, Winnipeg. (*Telephone* : 907 378.) Dean—G. P. R. Tallin, K.C., B.A. Oxon., 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, Fine Arts, and Social Work, in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

The buildings occupied by the Faculties of Medicine and Law are in the city of Winnipeg, which, with adjacent municipalities, has a population of over 360,000. The site of the Faculties of Arts and Sci., Agric. and Home Economics, Engin. and Archit., Education, the Graduate School of Social Work, and the Graduate School of Nursing, is in the municipality of Fort Garry, 7 miles from the centre of Winnipeg. The Univ. has 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, 140,000 vols.; 1000 periodicals received. There are also 30,410 mounted plates and photographs and 9410 slides in the School of Architecture. The Med. College has a library of 17,300 vols., and receives 278 periodicals. LABORATORIES: Anat., Bact., Bot., Chem., Engin. (Material testing—200,000 lb., 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. A course leading to the degree of Bachelor of Fine Arts is taught co-operatively by the Faculty of Arts and Science, the School of Art, the School of Architecture, and the School of Home Economics.

MATRICULATION examn. is conducted in June by the Examn. Board of Manitoba, also a limited Matricn., in Sept. Satisfactory completion of Levels I, II, and III of the Matricn. course of the Dept. of Educn. is required. Matricn. subjects for Arts or Sci. courses: English, Maths., Social Studies, 3 units of Science (Gen. Sci. and two of Biol., Physics, Chem.), and at least one elective from the following: a second foreign lang., a fourth Science, Music, Home Econ., Industrial Arts, Comm. work. With a second foreign lang. or music—when carried for at least 2 yrs. of High Sch.—only 2 units of Science are required (Genl. Sci. and either Physics or Chem.). Matricn. may also be obtained with a third foreign lang., the only Science requirement being Genl. Sci. Exemption from examination is allowed in the subjects of Grades IX and X Matricn. to pupils of the Collegiate Institutes of the province, or of the Preparatory Schools in connexion with the affiliated Colleges, who are recommended for such exemption by their school principals, and also exemption from examn. in the subjects of Grade XI Matricn. (Arts and Sci.) to recommended pupils of approved schools under certain conditions. Entrance requirements for Medicine are clear standing of 3 pre-medical years in Arts and Science; for Law, of 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.). Research Courses governed by spec. regns. lead to the degree of B.Sc. (Med.), to M.Sc. (Med.), and to Ph.D. M.A., M.Sc., M.Arch., M.Arch. (C.P.), LL.M., 1 or 2 yrs.' postgraduate course. B.Ed., 2 yrs.' postgraduate course; M.Ed., 1 yr. after B.Ed.

Subjects are placed in groups, from each of which selection is made in

accordance with definite regulations. For the B.A.—English (1 yr.), a foreign language (2 yrs.), Maths. (1 yr.), and a second yr. of English or a second foreign language are compulsory.

The M.A. may be obtained by candidates possessing the Honours B.A. of Manitoba, or an equivalent degree, by an extra year of full-time study under the direction of a committee of instructors. Candidates for the M.A. possessing the General Course B.A. of 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 complete five Honours Courses. While taking the LL.B. course a student may simultaneously obtain the Law Society's qualification for practice. The LL.D. is honorary.

In the B.Sc. Engin. courses a thesis is required in the 4th yr. A summer thesis may be presented for credit by students entering the 2nd, 3rd, or 4th yr.

Two yrs.' service in an Architect's office following graduation (B.Arch.) will qualify for licence to practise.

DIPLOMAS. Agriculture (2 yrs.); Dairying (3 mos.); Education (1 yr. postgrad.); School of Nursing (1 yr.), Home-making (5 mos.).

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 Licentiate'ship dipl. on passing an advanced practical examn. Music may be offered as an elective for Matricn. if carried for 2 or 3 yrs. in High School and at least the prescribed minimum grade is attained. It is also an elective in Arts and in the 2nd and 4th yrs. in Home Econ. Practical instruction must be obtained from private teachers.

Examns. are based on a syllabus of the Western Board of Music, composed of representatives of the Universities and Depts. of Educn. of Manitoba, Saskatchewan, and Alberta.

FEES (under revision). 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. 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. 2 Athlone Fellowships of Tuition, Maintenance, and Transportation within Britain are offered each year for Engineering Graduates. 1 Canadian Industries Ltd. Research Fellowship of \$1000 is offered annually to any British subject who is a Graduate of a recognized University for Research in Agricultural Chemicals at the University of Manitoba. 1 Cominco Fellowship of

\$1200 is offered each year for Research in Mining, Metallurgical, or Chemical Industry by a graduate of a recognized University. 1 Manitoba Historical Society Fellowship of \$2500 to a Master of Arts of an approved University for Ethnic Studies within Manitoba.

RESIDENCE. Hostels at all affiliated Arts Colls. and at the Fort Garry site.

UNIVERSITY EXTENSION. (1) Institute Evening courses of a cultural character. (2) Winter Evening Business courses in Acctcy., Comml. Law, English, Pol. Econ., etc., given partly by members of regular Univ. staff. (3) Radio popular lectures and broadcasts of music chosen from the Music Syllabus. (4) Short courses in Farm Equipment Repairing, Bee-keeping, Home-making, Dairying, Poultry, Home Vegetables and Fruit Growing, Home Grounds Beautification and Flower Growing, Fur Farming, Field Crops, Nutrition and Diseases of Farm Animals. (5) Feb. series of popular lectures. (6) Programme of Adult Education in Fine Arts in rural communities of the Province. (7) *Summer School*—6 wks. in July and Aug. Courses for Teacher Training, and in Grade XI, Grade XII, and Arts and Sci. subjs. (8) 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.

ALUMNI ASSOCIATION. Founded in 1921 to deal as a body with all matters affecting the interests of the Alumni. Permanent Sec., J. A. McMurdy, B.A.

MILITARY UNITS. Training is offered leading to commissions in either the active or the reserve forces of the Navy and the Army by the University of Manitoba Naval Training Division (U.N.T.D.) and the University of Manitoba Contingent Canadian Officers' Training Corps (C.O.T.C.) respectively; and to commissions in the reserve force only by the University of Manitoba Flight, Royal Canadian Air Force (Reserve).

HEALTH SERVICE. Students are required to undergo a health examination at the beginning of each session.

STUDENT ATHLETIC FACILITIES. Two large well-equipped gymnasias with locker and dressing-room facilities, and seating for 1800 spectators. Two recreation halls, ice rink, curling rink, rifle range, and playing fields on campus. Off-campus accommodation provided for track, tennis, golf, swimming, bowling.

PUBLICATIONS. *General Calendar* (May), free; *Manitoban* (students' paper), bi-weekly (free to Manitoba students; others \$1.00 a year); *Annual Report* (free); *Creative Campus* (Student and Staff, pub. annually, 25 c.).

UNIVERSITY PRESS. Founded in 1945 and operates under the guidance of the Univ. Book Dept. Manager, J. A. M. Edwards, M.A.

THE YEAR 1949-50

BENEFACTIONS. Chair of Icelandic Languages and Literature, \$13,643.36; Dr. John P. Shaw Scholp. Fund, \$15,282.02; Univ. of Manitoba Alumni Fund, \$3182.10; Brewers and Hotelmen of Manitoba Scholp. Fund, \$17,387.50; J. W. Dafoe Foundation, \$1000.00; Cora Hind Scholps., \$1300.00; Total of scholps. and prizes from general fund, \$12,920.69.

NEW DEPARTMENT AND POSTS. Endowment fund completed for establishment of a Chair in Icelandic, but no appts. of staff yet made.

ADULT EDUCATION WORK. The Dept. of Univ. Extension and Adult Educn. provides, for organized groups within Manitoba, short courses and workshops on specific subjects, on the campus or at rural points requesting the service. Other well-established services it provides are the Evening Institute, a series of public lectures, and a series of radio programmes.

HONORARY DEGREES. The annual May Convocation, at which honorary degrees are customarily conferred, was cancelled because of flood conditions, and therefore only two were awarded in 1949-50. *LL.D.*—A. J. Hazelgrove, President of the Royal Architectural Inst. of Canada; A. A. Stoughton, Prof. Emeritus of Archit., of Univ. of Manitoba.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	61	3481
Women	24	1311
Total	85	4792

Included in the foregoing are 173 postgraduate students and 263 first-year admissions.

DEGREES. Ph.D., 1; M.A., 19; M.Sc., 26; M.Ed., 6; M.Arch., 2; B.A. (Gen.), 297; B.A. (Latin Phil.), 10; B.Sc. (Gen.), 132; B.Sc. (Pharm.), 39; B.Com. (Gen.), 52; B.A. (Hons.), 31; B.Com. (Hons.), 34; LL.B., 59; M.D., 59; B.Sc. (H. Ec.), 70; B.S.A., 94; B.Sc. (Eng.), 244; B.Arch., 86; B.Ed., 26; B.Int.Des., 26; B.Soc.W., 21; B.Ped., 3.

DIPLOMAS. Agriculture, 48; Dairying, 10; Music, 11; Education, 68; Interior Decoration, 39; Social Work, 4.

CERTIFICATES. Nursing Education, 9.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Founded 1949

Postal Address : St. John's, Newfoundland, Canada.

Telephone : 6427.

VISITOR—THE LIEUT.-GOVERNOR, COL. SIR LEONARD OUTERBRIDGE,
Kt., C.B.E., D.S.O., LL.D.

CHAIRMAN OF THE BOARD OF REGENTS—Sir ALBERT J. WALSH, K.C.,
LL.B., K.B.

CHANCELLOR—.....

VICE-CHANCELLOR AND PRESIDENT—A. G. HATCHER, M.A. McG., LL.D.
Mt. All. and Dal.

DEANS—*Arts and Science*—A. C. HUNTER, B.A. Lond., M.A. Oxon.,
D. ès L. Paris ; *Applied Science*—S. J. CAREW, B.Sc. Dal., B.E.
(Mining) N.S.T.C. ; *Education*—G. A. HICKMAN, B.A. Mt. All.,
M.A. Acad.

REGISTRAR—MONNIE G. MANSFIELD.

LIBRARIAN—SADIE L. ORGAN, B.A. McG., M.A. Mich.

BURSAR—PAUL A. WINTER.

TEACHING STAFF

<i>Art</i>		Lodge, Helen, B.A. Mt. All., M.A. Col. Prof.
Thompson, Shirley	Instr.	Fitzpatrick, Mary, M.A., B.Pæd. Tor. Assoc. Prof.
<i>Biology</i>		Rowe, W. G., B.A. (Dalhousie) Assoc. Prof.
Rees-Wright, W., M.Sc.	Prof.	
Lear, E., B.Sc. Acad.	Assoc. Prof.	
<i>Chemistry</i>		Carew, S. J., B.Sc. Dal., B.E. (Mining) N.S.T.C. Prof.
Cameron, G. E., M.Sc. Manit.	Assoc. Prof.	Facey, J. M. C., B.Sc. (Eng.) Lond. Lectr.
Ralph, Audrey, B.Sc. Mt. All.	Lectr.	
<i>Classics and German</i>		Hunter, A. C., B.A. Lond., M.A. Oxon., D. ès L. Paris Prof.
Ashley, J. B., B.A. Dal., M.A. Oxon.	Assoc. Prof.	Pitt, D. G., B.A. Mt. All., M.A. Tor. Assoc. Prof.
Cochrane, Mrs. J. A., B.A. Durh.	Lectr.	O'Reilly, Alison, M.A. Tor. Lectr.
<i>Education</i>		
Hickman, G. A., B.A. Mt. All., M.A. Acad	Prof.	<i>French and Spanish</i> Hunter, A. C., B.A. Lond., M.A. Oxon., D. ès L. Paris Prof.

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Brinton, Ethel, B.A. Lond., M.A.
Harv. Assoc. Prof.

Geology

Carew, S. J., B.Sc. Dal., B.E.
(Mining) N.S.T.C. Prof.

Geography

Goodridge, H. B., M.A. Camb.
Lectr.

History, Economics and Political Science

Fraser, A. M., M.A. Edin. Prof.

Morgan, M. O., B.A. Dal., M.A.
Oxon. Assoc. Prof.

Household Science

Baird, Edna, B.A. Dal., B.H.Sc.
McG.

Mathematics

Hatcher, A. G., M.A. McG., LL.D.
Mt. All., LL.D. Dal. Prof.

Blundon, W. J., B.A. Lond.,
M.A. Harv. Assoc. Prof.

Looker, A. J., B.E. McG. Lectr.

Organ, Sadie, B.A. McG., M.A.
Mich. Lectr.

Physics

Long, B. F., M.Sc. Dal. Prof.

Others

Brewster, Rev. N. T., M.A. Camb.
Religious Instr.

Curtis, Rev. L. A. D.
Religious Instr.

Galway, Carmel (Phys. Educn.).
Gennery, Major S. G. Religious Instr.

Jennings, Marguerite L.
Visiting Lectr. in Music.

Kerevan, Theresa
Jr. Asst. Librarian.

King, Ian Demr. in Physics.

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 4 yrs. of the University courses in Arts, Educn., the first 3 yrs. in Engin. and Agric., and the first 2 yrs. in Pure Sci., Med., Household Sci.

COURSES. 4 yrs.—B.A., B.A. (Educn.); 3 yrs.—Engin., Agric.; 2 yrs.—Med., Pure Sci., Household Sci.

The Univ. Year is divided into two semesters, Sept.—Feb., Feb.—June.

ADMISSION. High Pass Standing in the Grade XI examns. of the Public Examn. Bd. of Newfd., conducted by Common Examining Bd. of Maritime Provinces and Newfd., or equivalent.

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 Aug.

LIBRARY, 17,000 vols., 120 Period. subs.; Carnegie Art Rep. Set—2000 prints; Carnegie Music Set—700 gram. records.

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 Saint Vincent one of \$175. These scholarships are tenable for 2 yrs. Dalhousie offers annually one scholarship of \$200, tenable for one year.

Students having completed 2 yrs. at the Univ. are eligible for Rhodes Scholarships.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	221
Women	7	77
Total	9	298

Included in the above are no postgraduates and 175 first-year admissions.

DEGREES. B.A. (Educn.), 1 ; B.A., 4.

DIPLOMAS. Engineering, 14.

UNIVERSITY OF MONTREAL *

Founded 1878

Postal Address—2900 Mont-Royal Blvd., Montreal, 26.

Telephone : AT. 9451.

CHANCELLOR—H.E. Mgr. PAUL-ÉMILE LÉGER, L.Th., D.C.L.

RECTOR—Mgr. OLIVIER MAURALT, C.M.G., P.D., D.C.L.

VICE-RECTOR—Canon GEORGES DENIGER, B.Th.

SECRETARY-GENERAL—M. FARIBAUT, LL.D.

DEANS—*Arts*—Rev. G. PERRAS ; *Dentistry*—Prof. E. CHARRON ;
Hygiene—Dr. A. FRAPPIER ; *Law*—Prof. E. BEAULIEU ; *Letters*—
 Canon A. SIDELEAU ; *Medicine*—Prof. W. BONIN ; *Optometry*—
 L. A. MESSIER ; *Pharmacy*—Dr. A.-F. LAROSE ; *Philosophy*—Rev.
 C. FOREST ; *Pure Science*—Prof. G. H. BARIL ; *Social Science*—
 E. MINVILLE ; *Theology*—Rev. R. FOURNIER.

TREASURER—LOUIS CASAUBON.

LIBRARIAN—RAYMOND TANGHE, D.S.P.

TEACHING STAFF

<i>Agriculture</i> , v. <i>infra</i> , Affiliated Instns.		Auclair, L., M.Sc. McG.	
		Fournier, Abbé O.	Lectr.
<i>Anatomy (normal)</i>		Prévost, Gustave, L.Sc.	Lectr.
Blais, M.	Asst. Prof.	Chagnon, G.	Lectr.
		Beaudry, J. R., M.Sc. McG.,	
		Ph.D. Wisc., L.Sc.A.	Lectr.
<i>Anatomy (pathological)</i>		Robert, Rev. A., L.Sc.Nat., L.Pedé.	
Masson, P., M.D. Paris	Prof.		Lectr.
Assistant Professors			
Simard, C., M.D.		<i>Botany</i>	
Manseau, G., M.D.		Cailloux, M.	Prof.
Riopelle, J.-L., M.D.		Champagne, A., L.Sc.Nat.	Lectr.
		Rouleau, E., L.Sc.Nat.	Lectr.
<i>Applied Science</i> , v. <i>infra</i> , Affiliated Instns.		Brunel, J., L.Sc.	Lectr.
		Gauthier, R., L.Sc.	Lectr.
<i>Art, History of</i>		<i>Canadian Literature</i>	
Randall, L. V.	Prof.	Sideleau, Canon A., L. ès L. Paris	
		Dean and Prof.	
<i>Biology</i>		<i>Chemistry</i> , v. also <i>infra</i> , Pure	
Prat, H., D.Sc. Paris.		Science and Affiliated Instns.	
Bellemare, E. R., L.Sc.Nat.			
	Asst. Prof.	Baril, G. H., M.D. Dean and Prof.	

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

Assistant Professors

Gendron, P. R., L.Sc.
 Cartier, P., L.Sc.
 Barré, R., D.Sc. Paris.
 Laniel, H., L.Sc. Chim.
 Lortie, L., D.Sc. Paris.
 Lemay, L., M.Sc.
 Rinfret, M., L.Sc.
 Bouthiller, L. P., M.Sc.

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

Greenwood, T., M.A. Lond.,
 D.Sc. Ott. Prof.

French Literature

Sideleau, Canon A., L. ès L. Paris
 Prof.

Geography

Dagenais, P., L.Sc.Com. Prof.

Geology

..... Prof.

History

..... (Canadian H.) Prof.
 Frégault, G., Ph.D. Prof.
 Papillon, Rev. Father, M.A., D.Th.
 Lectr.

Belanger, M.

Brunet, M., Ph.D. Clark, L.S.P.,
 M.A.

Seguin, M., D. ès L. Asst. Prof.

Journalism, v. *infra*, Social
 Science

Law, v. *infra*

Mathematics

Gauthier, A., L.Sc. Prof.

Kozakiewicz, W., L.Ph., D.Sc.

Asst. Prof.

L'Abbé, M., L.Sc.Math., M.A.

Asst. Prof.

Brossard, R., L.Sc.Math.

Munier, F., B.A., L.Sc.Math.

St.-Pierre, J., L.Sc.Phys., L.Sc.
 Math.

Medicine, v. *infra*

Mineralogy, v. *infra*, Affiliated
 Instns.

Modern Languages (German,
 Spanish, and Italian)

Cardinali, F., D. ès L. Rome

Prof.

Music, v. *infra*, Attached Instns.

Philosophy

Forest, T.R.P., C., S.Th.M.

Dean and Prof.

Beausoleil, Rev. F. J., D.Psy.

Éthier, Rev. F. A., S.Th.L.,
 D.Ph.

Gaudron, Rev. F. E., D.Ph.

Geiger, Rev. F. L. B., S.Th.,
 Ph.D.

Decarie, V., M.A., Ph.D. Prof.

Ambacher, M., L. ès L. Paris 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.

Filion, E., D.Ph. Asst. Prof.

Pégahaire, J., D.Th., D.Ph.

Asst. Prof.

Lachance, T.R.P., L., S.Th.M.

Asst. Prof.

Hincz, V.

Lacoste, P., M.A., L.Ph., D.Ph.
 Paris.

Lacroix, Rev. F. B. M., S.Th.L.,
 Sc.Med.D. Tor.

Lavigne, J., L.Ph.

Lortie, L., D.Sc.Phy. Paris,
 L.Sc.Chim., D.Sc. Ott.,
 F.C.I.C.

Martinelli, L., L.Th.

Millet, Rev. J., L. ès L. Phil.

Monette, Rev. F. A., S.Th.L.
 Nicolas, Mrs. V., L.Lett. Sorbonne.
 Sylvestre, Rev. F. A., D.Ph.
 Milner, Mrs. Brenda, B.A.
 Pinard, Rev. A., L.Psy., L.Th.
 Bernard, Rev. M. A., L.S.Th.
 Bélanger, D., L.Psych.
 Lavoie, G., L.Psych.
 Decarie, Mrs. V., L.Psych.
 Clerk, Mrs. M., L.Psych.
 Chentrier, T., L.Lett., L.Th.
 Picard, Rev. F., L.Th., D.Ph., D.Ped. Paris.
 Rousseau, J., L.Sc.Nat., Ph.D.
 Marcotte, A., M.D.
 Barbeau, G., D.Psych.
 Salman, Rev., L.Th., D.Th., L.S.Th., Ph.D.
 Lussier, A., L.Psych.
 Beauchemin, J.-M., L.Psych.
 Hébert, B., B.Psych.

Physics

Rouault, M., D.Sc. Paris Prof.
 Demers, J., L.Sc. Asst. Prof.
 Belair, R., L.Sc.Chim. Asst. Prof.
 Demers, P., L.Sc.Math and Phys., M.Sc. Asst. Prof.
 Robillard, Abbé H. B. A., L.Sc. Asst. Prof.
 Lorrain, P., M.Sc., Ph.D. McG. Asst. Prof.
 Gregoire, L., L.Sc.Phys. & Math.
 Labonte, Rev. G., L.Sc.Phy., L.Th., L.Ph.

Physiology

Robillard, E., M.D. Asst. Prof.
 Gagnon, A., M.D. Asst. Prof.
 Beaulieu, R., M.D. Asst. Prof.
 D' Iorio, A., M.D.

Theology

Professors

Fournier, R., D.Th. Dean.
 Ferland, A., D.Th.
 Charron, Y., D.Th. Rome.
 Lesieur, R., D.Th. Rome.
 Dorris, R., D.Th. Rome.

Desrosiers, J.-B., D.Th. Rome.
 Duhamel, R., L.Th.
 Morin, C., D.Th., L.E.S. Rome.
 Malo, Père A., L.E.S. Rome, D. de l'U.
 Fecteau, R., D.Th.
 Gagnon, E., D.Th., D.D.C. Laval.
 Bulteau, G.-M., L.Th., L.E.S. Rome.
 Bolté, P.-E., D.Th., L.S.S. Laval.
 Sauvé, I., D.Ph. Rome, L.Th.
 Yelle, G., D.Th. Rome.

Hygiene, School of

Frappier, A., M.D.

Director and Dean.

Gilbert, J., M.D.

Law

Civil L.

Brossard, Hon. A., LL.L. Prof.
 Caron, M., LL.D. Prof.
 Martineau, P.
 Mayrand, A., LL.L.

Civil Procedure

Tremblay, L., LL.D. Prof.
 Ferland, P.
 Bissonnette, Hon. B., LL.D.

Commercial and Marit. L.

Perrault, J., LL.D. Prof.

Commercial Legislation

Filion, J., LL.L.

Criminal L.

Lagarde, I., LL.L. Lectr.

Economics

Montpetit, E., LL.D. Prof.
 Carignan, P., LL.L. Prof.

Ethics

Poisson, Rev. Père P. Prof.

Hist. of Law

Comtois, R., LL.L. Asst. Prof.

Internat. L.

Gouin, Hon. L. M., LL.D. Asst. Prof.
 Caron, M., LL.D.

<i>Municipal Law</i>			Fortier, C., M.D.
Prévost, C., LL.B.	Prof.		Timiras, Paola, M.D.
<i>Notarial Procedure</i>			<i>Gynæcology</i> , v. Obstetrics and <i>Gynæcology</i>
Faribault, M., LL.D.	Prof.		
Comtois, R., LL.L.	Prof.		<i>Histology and Embryology</i>
<i>Roman L.</i>			Bonin, W., M.D. Dean and Prof.
Carignan, P., LL.L.	Prof.		Bélanger, R., M.D. Asst. Prof.
Medicine			<i>Legal Medicine</i>
(for subjects of the first 2 yrs.— Anat., etc., v. <i>supra</i>)			Fontaine, R., M.D. Prof.
<i>Anæsthesia</i>			<i>Materia Medica</i>
Rochette, R., M.D.			Dufresne, R., M.D. Asst. Prof.
Marsolais, A., M.D.			<i>Medical Physics</i>
Lamoureux, L., M.D.			Dufresne, O., M.D. Asst. Prof.
Longtin, L., M.D.			<i>Medicine, Clinical</i>
Cousineau, G., M.D.			Pepin, J. R., M.D. Prof.
<i>Bacteriology</i>			Boucher, R., M.D.
Assistant Professors			Dubé, E., M.D.
Frappier, A., M.D.			Gatien, R., M.D. Asst. Prof.
Bertrand, A., M.D.			Legendre, J. H., M.D. Asst. Prof.
Fredette, V., B.Pharm., D.Sc.			Rouleau, A., M.D. Asst. Prof.
<i>Chemistry, Physiological</i>			Gariépy, L. H., M.D. Asst. Prof.
Baril, G.-H., M.D.	Prof.		Hébert, C., M.D.
Gosselin, G., M.D.	Asst. Prof.		Lefrançois, C., M.D.
Gagnon, A., M.D.			<i>Neurology</i>
Bouziane, N., M.D.			Amyot, R., M.D. Asst. Prof.
Cartier, P., M.D.			Saucier, J., M.D. Asst. Prof.
<i>Deontology</i>			Desrochers, LL.L., M.D.
Dubé, E., M.D.	Prof.		<i>Obstetrics and Gynæcology</i>
<i>Dermatology and Syphilis</i>			Gérin-Lajoie, L., M.D. (Gynæcol.)
Marin, A., M.D.	Prof.		Prof.
Leclerc, G., M.D.			Sanche, H., M.D. (Clin. O.) Prof.
Lambert, A., M.D.			Ricard, A., M.D. (Obstet.)
Foisy, J.-P., M.D.			Asst. Prof.
Poirier, P., M.D.			Marion, D., M.D. (Obstet.)
Blais, R., M.D.			Asst. Prof.
Goulet, F., M.D.			Magnan, A., M.D. (Clin. G.)
<i>Diseases of Children</i>			Asst. Prof.
Lapierre, G., M.D.	Asst. Prof.		Attendu, C. A., M.D.
Baril, H., M.D.	Asst. Prof.		Bélanger, G., M.D.
<i>Experimental Medicine and Surgery</i>			Cailloux, R., M.D.
Selye, H., M.D.			Champeau, J., M.D.
			Dansereau, A., M.D.
			Ducharme, G., M.D.
			Perron, M., M.D.

Fortier, J., M.D.
 Gagnon, J., M.D.
 Gibeault, H., M.D.
 Lamothe, A., M.D.
 Le Roy, A., M.D.
 Manseau, A., M.D.
 Ricard, H., M.D.
 Sansregret, E., M.D.
 Tetrault, J., M.D.
 Meunier, P., M.D.
 Simard, R., M.D.
 Gauthier, J., M.D.

*Ophthalmology, Otology, and
 Rhino-Laryngol.*

Panneton, P., M.D.	Prof.
Badeaux, F., M.D.	Prof.
Brault, J., M.D.	Asst. Prof.
Joubert, L. de G., M.D.	
Blain, E., M.D.	
Bonnier, M., M.D.	
Cloutier, R., M.D.	
Gelinas, L., M.D.	
Henry, F., M.D.	
Pellerin, R., M.D.	
Legrand, H., M.D.	

Orthopædics, Clinical

Dubé, E., M.D.	Prof.
Cabana, J.-E., M.D.	Asst. Prof.
Rivard, J.-H., 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.
Charbonneau, H., M.D.	
Baril, H., M.D.	
Guilbault, A., M.D.	
Labrecque, R., M.D.	
Benoit, R., M.D.	
Larivière, P. M., M.D.	
Leveille, A., M.D.	
Major, W., M.D.	
Morin, G., M.D.	
Royer, A., M.D.	

Trudel, H., M.D.
 Vézina, N., M.D.

Pharmacy, v. infra

Phthysiotherapy

Jarry, J.-A., M.D.	Prof.
Vidal, J.-A., M.D.	Asst. Prof.
Cholette, A.-M., M.D.	Asst. Prof.
Manseau, G., M.D.	Asst. Prof.
Hébert, F., M.D.	Asst. Prof.
Millet, J. A., M.D.	
Pilon, J. L., M.D.	
Begin, B. G., M.D.	
Laurier, R., M.D.	
Lussier, J. P., M.D.	
Lussier, J.-J., M.D.	
Paquette, P., M.D.	
Verschelden, M., M.D.	

Radiology, etc.

Jutras, A., M.D.	Asst. Prof.
Dufresne, O., M.D.	
Brodeur, P., M.D.	
Léger, J.-L., M.D.	
Longtin, M., M.D.	
Vallée, Y., M.D.	

Surgery, Clinical, v. also Pathol

Paré, A., M.D.	Asst. Prof.
Hébert, C., M.D.	Asst. Prof.
Dionne, L.-R., M.D.	Asst. Prof.
Desjardins, E., M.D.	

Surgery, Operative

Bruneau, J., M.D.	Asst. Prof.
Bernard, L., M.D.	Asst. Prof.
Dionne, L.-R., M.D.	Asst. Prof.
Tremblay, J.	Asst. Prof.
Rivard, J.-H., M.D.	
Smith, P., M.D.	
Eavreau, C., M.D.	
Marchildon, P., M.D.	
Ricard, P.-M., M.D.	
Bergeron, L., M.D.	
Bertrand, C., M.D.	
Bisson, C., M.D.	
Cartier, G.-E., M.D.	
Champoux, R., M.D.	
Cholette, J.-P., M.D.	
Cloutier, G., M.D.	

Couturier, A., M.D.
 Decarie, R., M.D.
 Gagnon, E., M.D.
 Gariepy, R., M.D.
 Grignon, R., M.D.
 Lamoureux, M., M.D.
 Parenteau, A., M.D.
 Roux, R., M.D.
 Senecal, L. P., M.D.
 Saint-Onge, G., M.D.
 Archambault, F., M.D.
 Archambault, L., M.D.

Toxicology

Fontaine, R., M.D. Prof.
 Roussel, J. M., M.D. Asst. Prof.

Urology, Clinical

Bourgeois, P., M.D. Prof.
 Bourque, J. P., M.D.
 Legault, J. P., M.D.
 Charbonneau, J., M.D.
 Sylvestre, L., M.D.

Dentistry

Professors

Charron, E. H., D.D.S. Dean.
 Geoffrion, P., D.D.S.
 Baril, G. H., M.D.
 Renaud, J. A., D.D.S.
 Charpentier, J. L., D.D.S.
 Gauthier, G., D.D.S.
 Bonin, W., M.D.
 Marin, A., M.D.
 Blais, M., M.D.
 Venne, L., M.D.
 Robillard, E., M.D.
 Dufresne, R., M.D.
 Demontigny, G., D.D.S.

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.
 Dagenais-Perusse, P., M.D.
 Courteau, R., M.D.
 Simard, L. C., M.D.
 Bussi res, J., D.D.S.

Raymond, A., D.D.S.
 Fredette, V.
 Sonea, S., M.D.
 Gagnon, A., M.D.
 Gosselin, G., M.D.
 Cartier, P., M.D.
 Bouziane, N., M.D.
 Trottier, J. P., D.D.S.
 Robichaud, H. M., D.D.S.
 Brouillet, H., D.D.S.
 Deschenes, H., D.D.S.
 Tremblay, V., D.D.S.
 H bert, O., D.D.S.
 Bengle, O., D.D.S.
 Gendron, R., D.D.S.
 Patenaude, C., M.D.
 Dupras, G., D.D.S.
 L'Archev que, A., D.D.S.

Optometry

Mignot, A., O.D. Director.
 Professors
 Bourcier, C.
 C  t  , E.-H.
 Lussier, E.
 Messier, J. A., O.D.
 Monfette, G.
 Papineau, Y.
 Raymond, L.-P.
 Gauvreau, M.
 Gauthier, G.
 Hotte, J.
 Loiselle, G.
 Monfette, C.

Pharmacy

v. also *supra*, Chemistry

Larose, A.-F., B.Pharm. Dean.
 Professors
 Barre, R., D.Sc. Paris.
 Labarre, J., D.Sc. Paris.
 Larose, R., B.Pharm.
 Riopel, P. E., B.Pharm.
 Groulx, Hon. H., L.Pharm., D.Pharm.
 Letourneau, M., B.Pharm., L.Pharm.
 Assistant Professors
 Bergeron, L., B.Pharm., L.Pharm.

Aubin, P., B.Ph.m., L.Ph.m.
 Léger, J., M.D., D.Ph.
 Martin, A., L.Ph.m., M.Sc.
 Plourde, R., B.Ph.m., L.Ph.m.
 Sarrazin, A., B.Ph.m., L.Ph.m.

Bélair, R., L.Sc. chim. et phys.
 Robillard, E., M.D.

Prof.
 Prof.

Pure Science (for subjects and other Professors, etc., v. *supra*, Biology, Botany, Chemistry, etc.)

Baril, G. H., M.D. Dean.

Social Science

v. also *supra*, Hist. and Law

Minville, E., L.Sc.Com. Dean.
 Lemieux, G., M.Sc., M.S., M.Sc.
 Soc. Laval Sec.

AFFILIATED INSTITUTIONS

AGRICULTURAL INSTITUTE, La Trappe, Oka, Que., about 30 miles from Montreal, founded 1893 by the Trappist Fathers of Oka. *Director*, le R. P. Norbert, L.S.A. 44 other staff for: Agr. Botany; Animal Biology and Hygiene; Animal Pathol. and Bact.; Apiculture; Aviculture; Buildings and Accounts; Chemistry, Geol. and Mineral.; Dairying; Entomol.; Food Preservation; French Fruit and Flower Gardening; Kitchen Gardening; Large-scale Farming and Machinery; Maths.; Physics; Physiol.; Polit. Econ.; Soils; Rural Econ., etc.

COMMERCE. École des hautes études commerciales, 535 Viger Ave., Montreal, 24, Que. Created by the Provincial Govt. in 1907. *Director*, Prof. E. Minville. 22 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, 1430 St.-Denis St., Montreal, 18 (*Telephone*: MA. 5311), 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. 63 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. 24 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, 4873 Westmount Av., Montreal, 6. (*Telephone*: FI. 7388.) *Directress*, Sœur Sainte-Madeleine du Sacré-Cœur.

INSTITUT PÉDAGOGIQUE ST.-GEORGES POUR LES HOMMES, Mont-de-la-Salle, Laval-des-Rapides, 9. (*Telephone*: DU. 4727.) Founded 1929. *Director*, R. F. Luc.

INSTITUT MARGUERITE D'YOUVILLE, École Supérieure pour infirmières, 1185 Saint-Mathieu St., Montreal, 25. (*Telephone*: FI. 1182.) *Directress*, Sœur Denise Lefebvre.

ÉCOLE SUPÉRIEURE DE PÉDAGOGIE FAMILIALE ET D'ENSEIGNEMENT MÉNAGER, 1410 Mont Royal Blvd., Outremont, 8. (*Telephone*: VI. 2016.) *Directress*, Sœur Marie-Donalda.

ATTACHED INSTITUTIONS (ÉCOLES ANNEXÉES)

CONSERVATOIRE NATIONAL DE MUSIQUE, 275 Sherbrooke, East, Montreal, 18. (*Telephone*: LA. 8874.) *Director*, E. Lapierre. 15 other teachers.

INSTITUT NAZARETH ÉCOLE DE MUSIQUE, 1460 chemin de la Côte-Saint-Michel. (*Telephone*: DU. 4277.) *Directress*, Sœur Cécile Desilets. 13 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SS. NN. DE JÉSUS ET DE MARIE, 1410 Mont-Royal Blvd., Outremont, 8. (*Telephone*: TA. 1215.) *Directress*, Sœur Marie-Stéphane. 32 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SŒURS DE STE.-ANNE, Lachine, 32, P.Q. *Directress*, Sœur Marie-Héloïse. 10 other teachers.

ÉCOLE DE MUSIQUE DU COLLÈGE MARIE DE L'INCARNATION, Trois-Rivières, P.Q. *Directress*, Sœur Marie-Immaculée. 9 other teachers.

ÉCOLE DE MUSIQUE DES SŒURS DE L'ASSOMPTION, Nicolet, P.Q. *Directress*, Sœur Cecile de-la-Trinité. 7 other teachers.

ÉCOLE DE MUSIQUE DES SŒURS DE LA PRÉSENTATION-DE-MARIE DE SAINT-HYACINTHE, Saint-Hyacinthe, P.Q. *Directress*, Sœur Marie-Noélie. 8 other teachers.

DOMESTIC ECONOMY, 9 schools.

ÉCOLE D'ÉDUCATION FAMILIALE ET SOCIALE, 5035 De Laroche St., Montreal, 34. (*Telephone*: DO. 1445.) *Directress*, Sœur Marie Gérin-Lajoie. 38 other teachers.

ÉCOLE DE TOURISME, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: EX. 6561.) *Director*, Fernand Delhaes. 10 other teachers.

CONSERVATOIRE LASSALLE (French elocution and oratory), 5603 Canterbury Av., Montreal, 26. (*Telephone*: AT. 1406.) *Director*, G. Landreau. 6 teachers.

ÉCOLE DE BIBLIOTHÉCAIRES, 25 St. James East, Montreal, 1. (*Telephone*: PL. 8335.) *Director*, L.-P. Desrosiers. 17 other teachers.

INSTITUT PIE XI, 2065 Sherbrooke, West, Montreal, 25. (*Telephone*: F.I. 1650.) *Director*, J. B. Desrosiers. 21 other teachers.

INSTITUT DE DIÉTÉTIQUE ET DE NUTRITION, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: AT. 9451.) Attached to the Faculty of Medicine. *Directress*, Rachel Beaudoin. 8 other teachers.

INSTITUT DE TRADUCTION, 410 Wiseman St., Montreal, 8. (*Telephone*: DO. 5879.) *Directress*, Jeanne Grégoire. 6 other teachers.

ÉCOLE DE TECHNOLOGIE MÉDICALE, Gamelin (Laval), P.Q. (*Telephone*: CL. 4021.) *Directress*, Sœur Camille-de-Jésus.

RADIUM INSTITUTE, 4120 Ontario St. East, Montreal, 4. (*Telephone*: FR. 3151.) *Director*, O. Dufresne, M.D. Founded 1922, affiliated to the Radium Institute in Paris 1923. Hospital attached.

GENERAL INFORMATION

Originally established in Montreal in 1878 as a branch of Laval Univ., the University of Montreal became autonomous in 1920, under a special Act of the Legislature of the Province of Quebec subsequently revised in 1950 (v. also *Yearbook* for 1929). It also enjoys certain privileges under a papal charter dating from 1919, is Roman Catholic in outlook and four out of the twelve Members of its Board of Governors are appointed by the Roman Catholic Hierarchy. The remaining eight Governors are French-Canadian business personalities. The Board is self-perpetuating. Financial affairs are under the direct supervision of an Executive Committee composed of five Governors, and pedagogical matters are determined by a Commission on Studies composed mainly of the Deans of the different Faculties.

Through affiliated Institutions v. *supra*, as well as by itself, the Univ. caters for the educational needs of over 12,000 students, over 3000 of whom attend courses and lectures in the bldgs. of the Univ. proper.

The Univ is owner in freehold of several acres on the western slope of Mount-Royal. The present bldgs. were erected between 1937 and 1941, at a cost of over \$12,000,000.00. In 1947-48, an additional \$12,000,000.00 was raised through public subscriptions for the purpose of completing and extending the present facilities, including the completing of the Hospl. (originally planned for 500 beds), a Union bldg., dormitories and a Sport Centre for the students, plus a pension fund for the professors and personnel.

LIBRARY, 275,000 vols. Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES. Theol., Philos., Law, Med., Sci., Letters, Arts, Dentistry, Pharmacy, Social and Economic Sciences, Music and Hygiene.

DEGREES AND DIPLOMAS. Courses in the incorporated and affil. 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 de l'Institut des Sœurs des SS. NN. de Jésus et de Marie.

FEES (1949-50). Theol., \$400; Law, \$200; Med., \$260; Experimental Med. and Surg., \$160; Philos., \$200; Mediæval Studies, \$200; Psychol., \$200; Letters, \$200; Sciences, \$250; Dental Surg., \$260; Pharm., \$150; Social Sci., \$50; Industrial Relations, \$150; Social Service, \$200; Optometry, \$250; Hygiene, \$250; Polytechnical Sch., \$275; Sch. of Agric., \$150; Vet. Sch., \$200; Sch. of High Commercial Studies, \$150.

ADMISSION REQUIREMENTS. The usual admission prerequisite is a Bachelor of Arts degree in humanities of the U. of M. or its equivalent. Students residing out of the Province of Quebec must submit full particulars of studies and marks obtained during their B.A. course or towards the securing of any other diploma submitted. For full details *see* the General Prospectus and the respective Prospectus of each Fac. and School concerned. Enquiries should be addressed to the Secretary-General.

USUAL LANGUAGE OF INSTRUCTION: French.

VACATION COURSES in French, in Hygiene, and in Dental Surg.

GRADUATES ASSOCIATION. A.G.D.U.M. (Association Générale des Diplômés de l'Université de M.)

UNIVERSITY MILITARY FORMATION. Corps-École d'Officiers Canadiens.

STUDENTS' UNION. A.G.E.U.M. (Association Générale des Étudiants de l'Université de Montréal.)

PUBLICATIONS. *Annuaire général* (May); *La Revue trimestrielle canadienne* (\$3); *L'Actualité économique* (\$3); *L'Action universitaire* (\$3).

THE YEAR 1949-50

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; Sir 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.

	<i>Part-Time</i>	<i>Full-Time</i>
Total	1940	10,656

Included in the above total are 4927 postgraduate students.

DEGREES. D.Th., 2; L.Th., 30; B.Th., 33; LL.L., 18; LL.B., 43; M.D., 84; M.Sc.-N., 1; B.Sc.-N., 15; D.Ph., 6; L.Ph., 7; B.Ph., 19; L.Ét.Méd., 2; M.Ét.Méd., 4; L.Psy., 1; B.Psy., 18; D.Lett., 8; L.Lett., 9; M.Lett., 22; D.Sc., 3; M.Sc., 9; L.Sc., 2; B.Sc., 21; D.D.S., 42; B.D.S., 33; B.Pharm., 43; D.S.P., 2; L.S.P., 24; M.R.I., 8; M.S.S., 8; L.O., 27; B.Sc. App., 55; M.Sc.Appl., 2; L.Sc.A., 6; B.Sc.A., 16; M.V., 15; L.Sc.Com., 55; D.Péd., 1; L.Péd., 56; B.Péd., 32; B.Sc.H., 14; B.A., 630; D.M., 10; M.M., 10; L.M., 2; B.M., 9.

MOUNT ALLISON UNIVERSITY*

SACKVILLE, N.B.

Founded 1858

Telegraphic and Cable Address : Mount Allison, Sackville, N.B., Canada.

Telephone : Sackville 15 and 258.

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., LL.D. New Br.

VICE-PRESIDENT OF THE UNIVERSITY—H. W. McKIEL, B.A., B.Sc. Qu.,
LL.D.

SECRETARY OF THE SENATE—D. G. MACGREGOR, B.A. Dalh., 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, B.Sc. McG., M.A.

REGISTRAR—CHRISTINE MACINNES, B.A. Dal.

ASSOCIATE LIBRARIAN—OLGA B. BISHOP, B.A., B.P.Ad. Carleton.

TEACHING STAFF

Art, v. 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.

Wilson, L., B.A. Tor. Lectr.

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 H. 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.

MacDowell, G., B.A. Dal., A.M.
Clark 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., M.A.
Director, McClelan Sch.
of E.

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

Binns, F. W., B.S. Tufts, M.S.
Purdue (E. Drawing)
Asst. Prof.

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.

Fine Arts

Harris, L. P. Prof.
Colville, A., B.F.A. Asst. Prof.
Pulford, E. B., B.F.A. Instr.
Roulston, E. N., B.A. Instr.
Roulston, M. L., B.A. Instr.

French

MacBeth, T. A., M.A. New Br.
Prof.
Townsend, D. A. E., B.A. Alta.
Asst. Prof.

Geology

Lee, B., B.A., M.Sc. McG.
Asst. Prof.

German

Scherrer, A., B.A. Sir G. Williams
Lectr.

History

Kerr, D. G. G., B.A. McG., Ph.D.
Lond. Prof.
Lockwood, P. A., M.A. Camb.
Lectr.

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.

Mathematics

Crawford, W. S. H., M.A. Minn.,
B.A. Prof.
Glenn, W. A., B.A. New Br.
Lectr.

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.
Chiasson, C. G., L.Mus. (Piano)
Instr

Philosophy and Psychology

Baxter, C., B.A. Vic. Tor., M.A.,
Ph.D. Tor. Prof.
Munro, Rev. W. F., M.A., B.D.
Vic. Tor. 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.

ADMINISTRATIVE AND OTHER STAFF

Dir., Student Health Service, C. L. Gass, B.A., M.D., C.M. Dal.; Dir., Alumni and Public Relations, G. B. I. Inch, B.A.; Asst. Librarian, H. Greer, B.Sc., B.L.S.; Treasurer and Business Manager, J. A. Wheeler; Dir., Physical Educn. for Men, Major W. McCormack; Dir., Physical Educn. for Women, Rosamond Crocker.

GENERAL INFORMATION

The charter of 1858 conferred on Mount Allison Wesleyan College full Univ. powers in regard to courses of study and degrees in the various Arts and Faculties, and these powers are expressly continued to the institution under its present designation of Mount Allison University. The ultimate ownership of the Univ. is in the General Conference of the Methodist Church of Canada. By the basis of union this ownership is now vested in the General Council of the United Church. The direct govt. is, however, vested in a Board of Regents and a Senate, and the aforesaid General Council exercises a controlling influence on the affairs of the Univ. solely through the power of appointing a majority of the Regents. The Senate is a composite body consisting of the Faculty of the Univ., the Headmaster of the Academy, and 12 Regents appointed by the Board. It is charged with the duty of regulating the strictly educational concerns of the Academy and the Univ. The general management of affairs is entrusted to the Board of Regents, which is also the supreme governing body of the Academy. The Board consists of 44 members; 24 appointed by the General Council of the United Church of Canada and 20 representatives of the Federated Alumni. In its internal administration, the Univ. has always been conducted on strictly non-sectarian principles.

FACULTIES. *Arts*, which includes School of Fine and Applied Arts and Conservatory of Music; *Science*, including Schools of Engin. and Home Economics.

ENTRANCE REQUIREMENTS. B.A. course: J. Matricn. in English, a classical lang., a foreign lang., Maths. and any two selected from Hist., Chem., Physics, Geol., Biol., Trigonometry, Music. B.Sc.: the same, except that one foreign lang. must be French or German. Exemption from entrance exams. is given on presentation of a matricn. certif. of the Province of New Brunswick or an equivalent certif. from other recognized examining Boards. The Cambridge School Cert. and the Univ. of London Matricn. Certif. are accepted so far as they cover the subjects required for entrance.

DEGREE COURSES. 4 yrs. from J. Matricn., B.A., B.Sc., B.Sc. in Home Economics. Twenty full credit courses, including first and second yr. required courses and ten electives in the third and fourth yr., providing a major of five courses in one field and a minor of three courses in a related field are chosen. Students completing the certif. course in Fine Arts with a standing of 75 per cent. or over may proceed to a fourth yr. to qualify for the Bachelor of Fine Arts degree. The Mus.B. is conferred on the satisfactory completion of a course in Theory of Music and Composition.

PROFESSIONAL DEGREES. B.Ed. requires one yr. of resident study beyond the B.A. or B.Sc.; M.S.W. (Master of Social Work), two yrs. in approved School of Social Work beyond the B.A. or B.Sc.

HIGHER DEGREES. M.A., obtainable by approved course of graduate study, one yr. beyond B.A. with Hons.; M.Sc., obtainable by approved course of graduate study from one to two yrs. beyond B.Sc. with Hons.

HONORARY DEGREES. LL.D., D.C.L., D.Litt., D.Mus., D.D.

CERTIFICATES. Engin., 3 yrs.; Finance and Commerce, 2 yrs.; Secretarial, 3 yrs.; Fine Arts, 3 yrs.; Applied Arts, 3 yrs.; Ass. Music, 3 yrs.; Lic. Music, 4 yrs.; Home Economics, 2 yrs.

FEES. Tuition, Arts or Science, \$180 p.a. for 5 subjects (lab. fees additional);

Engin. \$165-\$180 p.m. General fee \$47.50. including registration fee, concert and lecture series, rink, gymnasium, library, health services, insurance.

RESIDENCE. Accommodation available for 395 men and 300 women. Board and room (furnished) \$400 p.a. Trueman House, 195, senior residence for men; Dean of residence, Dr. D. W. MacLauchlan. Brunswick House, 100 men; Dean of residence, Dr. G. D. Thorn. Mount Allison Academy and Freshman Residence, 100 men; Headmaster, K. A. Parker. Allison Hall, 300 women; Dean of women, Dr. Anne Dickson. Ortona Hall and Normandy Hall, 16 apartments each for married veterans and their families.

LIBRARY. Includes valuable private collections, 66,000 volumes.

EXTENSION DEPT. Extension work is offered in some courses of the first three yrs. Present registration, 200.

SUMMER SCHOOL. The Maritime Summer School, July 3-Aug. 12, is a regular session of the Univ. Half courses are offered which must be completed at a subsequent session of summer school or through the Extension dept. Registration is limited to three half courses for Univ. credit. Registration in 1950, 161.

SCHOLARSHIPS. A number of entrance and course scholps. are available each yr., including five Lord Beaverbrook Entrance Scholps. of \$500 per yr. for four yrs. and four Bennett undergraduate scholps. of an annual value of \$300. Other substantial scholps. are the Partenen in Mining Engin., two awards of \$400 annually; the O. E. Smith scholps. the Dennis Memorial and others. Five Lord Beaverbrook postgraduate scholps. are available annually. These scholps. cover all expenses for a yr. at the Univ. of London.

MOUNT ALLISON FEDERATED ALUMNI. The Federation elects 20 of the 44 members of the Board of Regents, five each yr. to serve four yrs. Official publication: *Mount Allison Record*.

NATIONAL DEFENCE TRAINING. Male students who enrol in the Canadian Officers' Training Corps (C.O.T.C.) take a course of training designed to qualify them as commissioned officers in the Canadian Army. The University Naval Training Division, U.N.T.D., offers a four-yr. course at regular service rates of pay and, on successful completion of the course, admission into the Royal Canadian Naval Reserve as a sub-lieutenant. The Royal Canadian Air Force offers courses for Short Service Commission Officers in the R.C.A.F. Aircrew List for undergraduates and the University Summer Training Scheme for undergraduates, as well as other training and employment schemes.

HOSPITAL AND HEALTH SERVICE. Includes physical examn. with chest X-ray at registration. There are two hospital units on the campus with graduate nurses in charge and the campus physician in attendance. A small fee included in the general fee covers this service.

SPORTS FACILITIES. Include a large playing field, a gymnasium, tennis courts, and a large modern artificial ice rink.

PUBLICATIONS. *Calendar* (April); *Argosy* (students'), weekly, and *Mount Allison Record*, quarterly; the *Wood lectures* (occasionally).

THE YEAR 1949-50

HONORARY DEGREES. D.D.—A. A. MacLeod; T. E. McLennan; A. G. Pentz; W. B. Perry. D.C.L.—F. W. W. Des Barres; I. P. Macnab; W. G. Watson.

STUDENTS. Full-time : 623, including 14 graduates.

DEGREES. B.A., 48 ; M.A., 1 ; B.Sc., 35 ; M.Sc., 2 ; B.Sc. in Home Economics, 17 ; B.F.A., 4 ; B.Ed., 7.

CERTIFICATES. Licentiate in Music, 4 ; Engineering, 2 ; Fine Arts, 9 ; Applied Art, 6 ; Finance and Commerce, 7 ; Home Economics, 1.

MOUNT SAINT VINCENT COLLEGE

HALIFAX, NOVA SCOTIA

Chartered 1925

Postal Address—Halifax, Nova Scotia.

CHANCELLOR—H.E. the Most Reverend JOHN THOMAS McNALLY, D.D.,
Archbishop of Halifax.

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LL.D.

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LIBRARIAN—Sister FRANCIS DE SALES, M.A., Ph.D.

TEACHING STAFF

Biology

Sister Mary Lua, B.A. St. Johns,
M.Sc. Cath.U. Amer.

Chemistry

Sister Mary Evelyn, B.A., Dal.,
M.A. Tor.

Classics

Sister Mary Berchmans, M.A.
Dal., Ph.D. Fordham.

Sister Maria Rosaria, B.A. Dal.,
M.A., Ph.D. Cath.U. Amer.

Economics

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U., B.Sc.

Education

Sister Maria Catherine, M.A. Ford-
ham.

Sister Mary James, M.A. Fordham.

English

Sister Marie Agnes, B.A., M.A.
Dal., Ph.D. Fordham.

Sister Maura, B.A. Lond., M.A.
Dal., Ph.D. Notre-Dame.

French

Sister Rose Celestine, B.A., M.A.
Dal., Ph.D. Fordham.

History

Sister Francis d'Assisi, M.A. Dal.,
Ph.D. Fordham

Home Economics

Sister Irene Marie, B.Sc., M.Sc.
Simmons.

Sister M. Clarisita, M.Sc. Col.,
B.Sc.

Library Science

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Creighton, M.A. Dal., Ph.D.
Fordham.

Sister Francis Dolores, B.A.,
B.L.S.

Mathematics

Sister Anna Gertrude, B.A. Dal.
Sister Mary Evelyn, B.A. Dal.,
M.A. Tor.

Music

Sister Cecilia Miriam, M.Mus.
Chicago.

Sister Mary Corona, B.Mus.

Philosophy

Sister Frances Carmel, B.A. Dal.,
M.A. Tor., L.M.S. Pont. Inst.
Med. St., Tor., Ph.D. Tor.

Secretarial Studies

Sister Ellen Francis, B.A., M.C.S.
Boston U.

Sister Louise Adelaide, B.A.

Speech

Sociology
Sister Joseph Elizabeth, B.A. Dal.,
M.S.S.W. Cath.U. Amer.

Sister Marie Eustella, B.A. Dal.,
B.O.E. Currie, M.A. Ford-
ham.

GENERAL INFORMATION

Mount Saint Vincent College is the only independent Women's College (*i.e.* empowered to confer degrees) in Canada.

LIBRARY, 14,000 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, \$500 p.a. Tuition only, \$20 per course. Laboratory fees, \$3 to \$25. Degrees, \$25.

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.

On Jan. 31, 1951, the entire College building was burnt down. No lives were lost, but all College records, art treasures, and the library of almost 60,000 volumes were destroyed together with the remainder of the contents of the building. The work of restoration and reorganization is proceeding, and more than 14,000 volumes have been donated to the library by Universities, private libraries, and individuals.

UNIVERSITY OF NEW BRUNSWICK *

FREDERICTON

Founded 1800

Telephone: 5533.

VISITOR ON BEHALF OF H.M. THE KING—The Hon. D. L. MACLAREN,
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.

BUSINESS MANAGER—B. F. MACAULAY, B.Sc.

LIBRARIAN—Mrs. MARJORIE J. THOMPSON.

DEANS—*Applied Science*—A. F. BAIRD, D.Sc.; *Arts*—A. G. BAILEY,
Ph.D. Tor., B.A.; *Engineering*—E. O. TURNER, S.B. M.I.T., D.Sc.;
Forestry—J. M. GIBSON, O.B.E., D.Sc.; *Graduate Studies*—F. J.
TOOLE, Ph.D. McG.; *Science*—C. W. ARGUE, C.B.E., B.A., B.S.A.
Br. Col., M.S. Iowa, D.Sc.

TEACHING STAFF

Biology

Argue, C. W., C.B.E., B.A., B.S.A.
Br.Col., M.S. Iowa, D.Sc.

Dean, Fac. Sci., Prof.

Smith, G. F. M., Ph.D. Tor. Prof.

Assistant Professors

Pritchard, H. V., M.Sc. Western.

Taylor, A. R., B.A. Tor.

Economics and Politics

Petrie, J. R., M.A., Ph.D. McG.

Prof.

Wright, C. P., M.A. Oxon., Ph.D.

Harv.

Assoc. Prof.

Assistant Professors

Oliver, M. K., M.A. McG.

Smith, W. Y., B.A.

Chemistry

Toole, F. J., Ph.D. McG.

Dean, Graduate Studies,

Prof.

Stewart, A. P., Ph.D. McG.

Assoc. Prof.

Wiesner, K., D.Sc. Assoc. Prof.

Los, J. M., Dr.S. Amst. Asst. Prof.

Classics

Cattley, R. E. D., M.A. Camb.

Prof.

Burrows, R. M., M.A. Camb.

Asst. Prof.

Education

Love, R. J., M.A., B.Pæd. Tor.

Prof.

MacIntyre, G. F., B.Pæd. Tor.

Asst. Prof.

Engineering, Civil

Turner, E. O., S.B. M.I.T., D.Sc.

Dean, Engin., Prof.

Moore, J. H., S.M. M.I.T.

Assoc. Prof.

Assistant Professors

Beattie, I. M., B.Sc.

MacFarlane, H. M., B.Sc.

McLaughlin, R., B.Sc.

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

Engineering, Electrical

Baird, A. F., D.Sc.
 Dean, App. Sci., Prof.
 Assistant Professors
 Dineen, J. O., M.Sc.
 Hoyt, D. P., B.Sc.
 Collier, R. J., B.Sc. Tor.

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.
 Assistant Professors
 Galloway, D., M.A.
 Lawrence, R. G., M.A.
 Lucas, A., M.A. Harv.

Forestry

Professors
 Gibson, J. M., O.B.E., D.Sc. Dean and Prof.
 Flieger, B. W., B.Sc.
 Long, H. D., B.Sc.
 Seheult, L. R., M.Sc.F. Tor.
 Brown, N. R., M.Sc. Ont. Agric. Coll. Assoc. Prof.
 Assistant Professors
 Videto, H. E. D.
 Hadley, C. G., B.Sc. Tor.
 Owens, E. T., B.Sc.
 Roberts, E. W., B.Sc.

Geology

McKenzie, G. S., Ph.D. Tor. Prof.
 Assistant Professors
 Riordon, P. H., M.Sc. McG.
 Baird, D. M., Ph.D.

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. Prof.

Mathematics

Professors
 Rothberger, F.
 Jones, W. G., B.Sc., LL.D.
 Associate Professors
 Edwards, L. P., M.A. Acad.
 Allison, G. E., B.A. Tor.
 Assistant Professor
 Staal, R. A., Ph.D.

Modern Languages

McAndrew, W. A. G., D. de l'Univ. Paris Prof.
 Whimster, Mary Louise, B.A. Man. Assoc. Prof.
 Stoessl, F., Ph.D. Vienna Asst. Prof.

Philosophy

Stewart, D. A., Ph.D. Tor. Prof.

Physics

Boone, A. E., B.Sc., M.A. Western Prof.
 Kennedy, J. E., M.A. Qu. Assoc. Prof.

Assistant Professors
 Tillotson, J. G., M.Sc. W. Ont.
 Weiner, T., Doctor of Physics, Milan.

Psychology

Snodgrass, Florence T., Ph.D. Yale Prof.
 Assistant Professors
 Tunis, A., B.A.
 Thomas, S. C., M.A.

ADMINISTRATIVE AND OTHER STAFF

Alumni Sec. : J. C. Murray, B.A. ; Bursar : C. L. Mahan : Dean of Residence : W. G. Jones, LL.D. ; Dir. Physical Educa. : P. C. Kelly.

GENERAL INFORMATION

The "College of New Brunswick" was incorporated in 1800 by Provincial Charter, re-incorporated in 1828 by Royal Charter as "King's College," and again in 1859 as the University of New Brunswick. A Faculty of Law was established in 1923 in Saint John, taking over, with some changes, the work of the former King's College Law School. The Provincial Govt. appoints the President and a majority of the governing body, called the Senate, of which the Minister of Education and the Chief Supt. of Education for the Province are *ex officio* members. The annual grant from Provincial revenues is \$350,000.

LIBRARY. 80,000 vols. Rufus Hathaway collection of Canadian Literature; Viscount Bennett Papers; Rt. Hon. Bonar Law Papers; Earl Lloyd George Papers; Kipling Atlas.

FACULTIES. 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. (1 yr. from first degree); M.A. (2 yrs.), M.Sc. (2 yrs.); Honorary—D.Litt., D.Sc., LL.D.

DIPLOMA COURSES. 3 yrs.—Mining Engin., Chemical Engin.

FEES. Tuition, annual: Arts, \$175; Pure Science, \$175; Engin. or Forestry, \$235; Law, \$235.

VACATION COURSES. Six weeks' Summer School.

EXTENSION COURSES. B.A. degree courses given in Saint John, N.B.

ADMISSION REQUIREMENTS. Jr. Matricn. or equivalent in Algebra, Geom., English, French, Hist., Chem., Physics. For Arts, Latin required in place of one Sci.

ALUMNI ASSOCIATIONS. Associated Alumni of the Univ. of New Brunswick; Alumnae Society of the Univ. of New Brunswick.

LABORATORIES. Biol., Chem., Engin., Forestry, Geol., Physics, Psychol.; 7000-acre forest tract for Forestry field work.

MUSEUMS AND COLLECTIONS. Historical documents relating to early history of New Brunswick, a collection of Indian arrow-heads, axe-heads, etc.; Geological museum; Observatory telescope with six-inch clear aperture.

MILITARY TRAINING. Canadian Officers' Training Corps; University Naval Training Division; Royal Canadian Air Force Division.

RESIDENCE. Lady Beaverbrook's Building accommodates 85 men. Dean of Residence: W. G. Jones, LL.D. Board and lodging, \$16 per week. Maggie Jean Chestnut House for women students—accommodation for 33. Board and Lodging, \$15.

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* (Jan.) ; *Brunswickian* (students' weekly) ; *Fiddlehead* (students' poetry magazine) ; *Memorial Volume in commemoration of 150th anniversary.*

THE YEAR 1949-50

BENEFACTIONS. New Library Wing donated through the generosity of the Rt. Hon. Lord Beaverbrook. Lord Beaverbrook has also donated special collections of the Rt. Hon. Bonar Law's Papers and Visct. Bennett's Papers.

NEW DEPARTMENT. Graduate Chair of Logging established in the Forestry Fac. ; Extension Courses for a B.A. degree offered at Saint John, N.B., during the winter session.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. The Univ. of New Brunswick celebrated its 150th Anniversary in May 1950. The following are some of the Anniversary lectures delivered during the yr. : Dr. L. Pauling, Dir. of Dept. of Chem. and Chem. Engin., California Institute of Technology. Titles: "The Structure of Metals and Intermetallic Compounds," "The Place of Chemistry in Medical Research." Dr. R. C. Wallace, Principal and Vice-Chancellor, Queen's University. Title: "Then and Now." Dr. R. C. Colwell, Hd., Dept. of Physics, West Virginia Univ. Titles: "Radar and its Applications," "Radio Waves and Television." Dr. H. A. Innis, Prof. of Political Economy and Dean of School of Graduate Studies, Univ. of Toronto. Titles: "A Plea for Time," "Roman Law and the British Empire." Sir David Lindsay Keir, Master of Balliol Coll., Oxford. Title: "The University and the Individual." Prof. D. Hughes Parry, Dir., Inst. of Advanced Legal Studies, Univ. of London. Title: "The State and the Universities in Great Britain."

HONORARY DEGREES. *LL.D.*—Rev. F. Baird, former Moderator of Presbyterian Church ; J. A. Bédard, Dean of For., Laval Univ. ; Hon. J. W. Brittain, Minister of Education, N.B. ; A. N. Carter, Barrister, Saint John, N.B. ; Rev. J. D. C. Cormier, Principal, St. Joseph's Univ. ; R. M. Dawson, Prof. of Political Sci., Univ. of Toronto ; Hon. W. B. Farris, Chief Justice of Supreme Court, B.C. ; G. V. Ferguson, Editor, *Montreal Daily Star* ; Rev. W. T. R. Flemington, President, Mount Allison Univ. ; M. E. Grant, President, Canadian Federation of Univ. Women ; C. F. Inches, Barrister, Saint John, N.B. ; F. Cyril James, President, McGill Univ. ; W. G. Jones, Prof. of Maths., Dean of Residence, Univ. of New Brunswick ; Sir David Lindsay Keir, Master of Balliol College ; Gertrude Lydia Keirstead, wife of Dr. W. C. Keirstead, Prof. of Philos. and Educn. at Univ. of New Brunswick for 35 years ; Rev. A. E. Kerr, President, Dalhousie Univ. ; W. Kirkconnell, President, Acadia Univ. ; F. E. MacDiarmid, Chief Supt. of Educn. ; D. A. MacDonald, Dir. of Forestry, Dominion of Canada ; Rev. R. V. MacKenzie, President, St. Dunstan's Coll. ; F. MacKinnon, President, Prince of Wales Coll., Charlottetown ; I. M. MacLaren, President, Rochester and Pittsburgh Coal Co. ; C. A. MacVey, Chief Engineer, N.B. ; R. D. S. Neill, Managing Director, Callard Co. ; Rev. P. J. Nicholson, President, St. Francis Xavier Univ. ; D. Hughes Parry, Dir., Inst. of Advanced Legal Studies, Univ. of London ; L. C. Pauling, President, American Chemical Soc. ; Hon. I. C. Rand, Justice, Supreme Court of Canada ; G. D. Scovil, Sec., Fredericton School Trustees ; R. C. Wallace, Principal, Queen's Univ. ; Sir Albert J. Walsh, Chief Justice, and former Lieut.-Governor of Newfoundland ; J. J. F. Winslow, Barrister, Fredericton, N.B. *D.Sc.*—R. C. Colwell, Prof. of Physics, Univ. of West Virginia ; E. W. R. Steacie, Vice-President, Science Dept., National Research Council.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	591
Women	..	94
Total	..	685

DEGREES. B.A., 49 ; M.A., 3 ; B.Sc. in Arts, 38 ; M.Sc. in Arts, 2 ; B.C.L., 27 ; B.Sc. in Civil Engin., 70 ; B.Sc. in Electrical Engin., 59 ; B.Sc. in Forestry, 127 ; M.Sc. in Forestry, 2.

UNIVERSITY OF OTTAWA

Founded 1848

Incorporated as a University in 1866

Postal Address : Laurier Ave., Ottawa.

Telephone : 5-6751.

VISITOR—The Hon. RAY LAWSON, O.B.E., Lieut.-Governor of Ontario.

APOSTOLIC CHANCELLOR—H.E. the Most Rev. A. VACHON, D.D.
Laval, Archbishop of Ottawa.

RECTOR—Very Rev. J. C. LAFRAMBOISE, Ph.D., S.T.D. Rome, B.A.

VICE-RECTORS—Rev. A. CARON, Ph.D., S.T.D., J.C.D. Rome ; Rev.
R. LAMOUREUX, B.A., S.T.B., Ph.D.

SECRETARY AND REGISTRAR—Rev. R. NORMANDIN, S.T.L. Rome,
Ph.D.

TREASURER—Rev. I. PIGEON, B.A., J.C.B.

LIBRARIAN—Rev. A.-M. MORISSET, M.L.S. Col., B.A., J.C.L.

DIRECTOR OF ATHLETICS—D. HARBIC, B.A., B.Sc.

UNIVERSITY PHYSICIAN—P. BÉLANGER, M.D., C.M. McG.

TEACHING STAFF

Accounting

Trudeau, Rev. R., M.Com. Tor.,
B.A., L.Ph. Prof.
Marchand, J. - P., B.Com.,
L.Com.Sc. Montr. Lectr.

Anatomy

Auer, J., M.D., D.M.Sc. Leiden
Prof. and Hd. of Dept.
Menschik, Z., M.B., Ch.B., M.D.
Cracow Assoc. Prof.
Bohartichuk, F., M.D., D.M.Sc.
Kiev Research Prof.
Coutu, J. N., M.D. Montr. Demr.
Jeletzy, Tamara, M.D. Kiev
Demr.

Architecture and Drawing

Lefort, B. Lectr.

Astronomy

Hargreaves, J., I.P., F.R.A.S.
Lectr.

Bacteriology, v. Medicine, infra

Biochemistry

Ettori, J., M.D. Paris
Prof. and Hd. of Dept.
Ryan, T., M.Sc. N.U.I. Lectr.
Robertson, Florence E., M.Sc.
Demr.

Biology

LeBel, W., B.A., M.D. McG.
Prof. and Hd. of Dept.
Lecturers
Lalonde, R., B.Sc., M.A. (v. also
Chem.).
Dion, R., M.A. (Ph. Educn.)
N.Y., B.A. (v. also Ph.
Educn.).

Business Administration

Casselmann, H., D.Com. Temple,
B.Stat., M.A., Ph.D. (Pol.
Sc.) (v. also Pers. Manage-
ment and Pol. Sc.) Lectr.

*Canon Law, Faculty of, v. infra**Chemistry*

Professors

Renaud, Rev. E., M.Sc. Lille,
B.A., L.Ph., D.Sc., F.C.I.C.

Poupart, Rev. H., Ph.D., S.T.D.
Rome (v. also Maths. and
Physics).

Caron, Rev. D., B.A., B.Sc.,
L.Ph., S.T.L.

Associate Professor

Tigges, W., M.A.S. Ultuna Inst.,
Uppsala, Ph.D. Halle-Wit-
tenberg (v. also Maths. and
Physics).

Lecturers

Harbic, D., B.A., B.Sc.

Lalonde, R., B.Sc., M.A. (v. also
Biology).

Classics: Greek

Pelletier, Rev. A., M.A. Prof.

Rakus, A., M.A., Ph.D. Bratislava
(v. also Classics : Latin)

Assoc. Prof.

Classics: Latin

Royal, Rev. E., M.A. Laval,
S.T.D., Ph.L. Rome (v. also
Italian)

Dir. Corr. Courses and
Sec., Fac. of Arts, Prof.

Houde, Rev. R., B.A., Ph.L.,
S.T.B. Prof.

Rakus, A., M.A., Ph.D. Bratislava
(v. also Classics : Greek)

Assoc. Prof.

Poliquin, J.-M., B.A., Ph.L.,
S.T.B. (v. also French and
Spanish) Lectr.

Commercial Law

Anka, M., B.Com. Lectr.

Economics

Associate Professors

Forcier, Rev. G., M.A.

Brault, Rev. F., M.A., Ph.L.,
S.T.L.

Lecturers

Choquette, R., M.Com. Montr.,
B.A.

Jost, T., M.Ph. Cracow (v. also
Geol. and Geog.).

Bélanger, J.-R., M.A.

Education

Shevenell, Rev. R., M.A., Ph.D.
(v. also Psychol.)

Prof., Vice-Dean of Fac.
of Arts and Dir. of
Inst. of Psychol.

Associate Professors

Chagnon, M., M.A., L.Ph. (v. also
Psychol.).

Paplauskas-Ramunas, A., M.Litt.
Kaunas, Ph.D. Vienna (v.
also Psychol.).

Electricity

Beauchesne, L.-A., B.A., B.Sc.
Laval (v. also Mechanics and
Maths.) Prof.

English Lang. and Lit.

Bradley, Rev. F., M.A., Ph.D. (v.
also Hist.) Prof.

Buxton, G., M.A. Manit., D.Litt.
Paris (v. also Hist.) Prof.

O'Grady, E., B.A., Ph.D. (v. also
Public Speaking)

Assoc. Prof.

Major, R., B.A. Lectr.

French

Marion, S., D.Litt. Paris and
Montr., M.A., F.R.S.C. Prof.

Associate Professors

Julien, Rev. B., L.Litt. Paris,
B.A., Ph.L., S.T.L.

Tremblay, Rev. A., B.A., S.T.B.

Hamel, Rev. C., B.A., Ph.L.,
S.T.B.

Chalifoux, Rev. A., B.A. (v. also
Hist.).

Lecturers

Beaudet, A., B.A.

Carrier, R., B.A.

Couture, Rev. R., L.Pæd. Montr.,
M.A., Ph.B.

Brunet, M., M.A.

Filion, G., B.A.

Poliquin, J.-M., B.A., Ph.L.,
S.T.B. (v. also Classics :
Latin ; and Spanish).

Geography

Jost, T., M.Ph. Cracow (v. also
Econ. and Geol.) Lectr.

Geology

Lecturers

Jost, T., M.Ph. Cracow (v. also
Economics and Geog.).

Tremblay, L. P., M.Sc. Laval,
Ph.D. Tor., B.A.

LaRocque, A., B.A.

German

Freed, P., B.Com. Lectr.

Graduate Studies, School of

Trudel, Rev. R., Dipl. Ph. Sor-
bonne, Dipl. Psychol. Paris,
B.A., Ph.D., S.T.L., J.C.L.
(v. also Philos.) Dir.

Greek, v. Classics, supra

Histology and Embryology

Bélanger, L. F., B.A., M.D. Montr.,
M.A., M.Sc. Harv.
Prof. and Hd. of Dept.

History

Professors

Bradley, Rev. F., M.A., Ph.D. (v.
also English Lang. and Lit.).
Buxton, G., M.A. Manlt., D.Litt.
Paris (v. also English Lang.
and Lit.).

Thivierge, Rev. E., M.A., Ph.L.,
S.T.B.

Associate Professors

Brault, L., M.A., Ph.D.

Chalifoux, Rev. A., B.A. (v. also
French).

Lecturer

Piché, P., B.A.

Italian

Royal, Rev. E., M.A. Laval,
S.T.D. Rome, Ph.L. (v. also
Classics : Latin) Prof.

Journalism

Saint-Arnaud, C. A., B.A. Lectr.

Latin, v. Classics

Library Science, School of

Morisset, Rev. A.-M., M.L.S. Col.,
B.A., J.C.L.
Prof. and Dir. of School.

Mapping

Grégoire, J., B.A., B.Sc. Laval
(v. also Surveying) Lectr.

Mathematics

Professors

Dubé, Rev. H., Ph.D. Rome,
D.Sc. Lille (v. also Phys.).
Poupart, Rev. H., Ph.D., S.T.D.
Rome (v. also Chem. and
Phys.).

Lavigne, Rev. R., B.A., Ph.L.,
S.T.B. (v. also Phys.)
Prof. and Dean of Fac.
of Arts.

Cloutier, Rev. G., B.A., Ph.D.,
S.T.L.

Associate Professors

Vachon, L., B.A., M.Com. Montr.
Tigges, W., M.A.S. Ultuna Inst.,
Uppsala, Ph.D. Halle-Witten-
berg (v. also Chem. and
Physics).

Lecturers

Beauchesne, L.-A., B.A., B.Sc.
Laval (v. also Electr. and
Mechanics).

Beatty, R., B.A. (Math. Phys.).

Hébert, G., B.Sc. (v. also Phys.).

Allard, J. L., B.A., L.Ph.

Creighton, M., M.A.Sc. Tor.

Duprat, J. T., B.A., B.Sc., M.Sc.
(Math.) Laval.
Killeen, R. J., B.A.
Vincent, R., B.A., B.Sc., L.Ph.

Mechanics

Lecturers

Beauchesne, L.-A., B.A., B.Sc.
Laval (v. also Maths. and
Electricity).
Carrier, L. M., B.A., B.Sc. Polyt.
Montr., T.D.
Lefavre, J., B.A., B.Sc. (Phys.)
Laval (v. also Phys.).

Medicine, Faculty of, v. infra

Missiology, Institute of

Champagne, Rev. J. E., Miss.D.
Rome, M.A., Ph.L., S.T.B.
Prof. and Dir. of Inst.

Music, School of

Martel, Rev. J., B.A., J.C.B.
Dir. of School.

Nursing, School of

Gendron, Rev. R., M.A., S.T.L.
Univ. Representative.

Personnel Management

Casselman, H., D.Com. Temple,
B.Stat., M.A., Ph.D. (Pol.
Sc.) (v. also Business Admin.
and Pol. Sc.) Lectr.

*Philosophy, v. also Faculty of
Philosophy, infra*

Professors

Saint-Denis, Rev. H., Ph.D.,
S.T.D. Rome, B.Pæd. Tor.,
B.A.
Gendron, Rev. J., B.A., Ph.D.,
S.T.L. (v. also Religion).
Trudel, Rev. R., Dipl. Ph. Sor-
bonne, Dipl. Psychol. Paris,
B.A., Ph.D., S.T.L., J.C.L.
Prof. and Dir., School of
Grad. Stud.

Dufour, Rev. P., Ph.D. Chic.,
M.A., S.T.B. (v. also Pol. Sc.)
Prof. and Dir. of Summer
School.

Associate Professors

Beauchamp, Rev. M., Ph.D.,
S.T.L. (v. also Religion).
Perron, Rev. L., B.A. (v. also
Religion).
Simon, Rev. L.-M. (v. also Re-
ligion).

Physical Education, Institute of

Montpetit, Rev. M., B.A.
Dir. of Inst. and Prof.

Lecturers

Côté, Rev. P., B.A.
Pilon, L.
Dion, R., M.A. (Ph. Educn.) N.Y.,
B.A. (v. also Biol.).
Barrette, Denise, B.A.

Physics

Dubé, Rev. H., Ph.D. Rome,
D.Sc. Lille (v. also Maths.)
Prof.
Poupart, Rev. H., Ph.D., S.T.D.
Rome (v. also Chem. and
Maths.) Prof.
Lavigne, Rev. R., B.A., L.Ph.,
S.T.B. (v. also Maths.)
Prof. and Dean of Fac.
of Arts.
Tigges, W., M.A.S. Ultuna Inst.,
Uppsala, Ph.D. Halle-Witten-
berg (v. also Chem. and
Maths.) Assoc. Prof.
Hébert, G., B.Sc. (v. also Maths.)
Lectr.

*Physiology, v. also Medicine,
infra*

Marcotte, Rev. F.-X., Ph.D.,
S.T.D. Rome (v. also Re-
ligion) Prof.

*Polish Lang. and Lit., v. East
and South European Institute,
infra*

Political Science, School of

Bélanger, Rev. J.-M., B.A., Ph.L.,
S.T.L.
Prof. and Dir. of School.

Dufour, Rev. P., Ph.D. Chic.,
M.A., S.T.B. (v. also Philos.)
Prof. and Dir. of Summer
School.

Lecturers

Casselman, H., D.Com. Temple,
B.Stat., M.A., Ph.D. (Pol.
Sc.) (v. also Personnel Man-
agement and Bus. Admin.).

Cousineau, R., B.A.

Délisle, J. L., B.A. Oxon., LL.D.

Chu, C. C., M.A., Ph.D.

Rodys, W., LL.D. Pétersbourg,
Berlin, Ph.D.

Psychology, v. also *Medicine*,
infra

Shevenell, Rev. R., M.A., Ph.D.
(v. also Educn.)

Prof. and Dir. of Inst. of
Psychol.

Associate Professors

Chagnon, M., M.A., Ph.L. (v. also
Educn.).

Dayhaw, L., Ph.D. Louvain.

Szyrinski, V., M.D. Warsaw,
Ph.D.

Joly, J.-M., M.A. Lectr.

Psycho-Physiology

Côté, F., B.A., M.D. Tor., M.S.,
F.R.C.S. (v. also Med., *infra*)
Prof.

Gratton, Rev. H., M.A., Ph.L.,
S.T.L. Lectr.

Public Administration

Lecturers

Lefebvre, O., B.A.

Morisset, E., M.A., L.L.L.

Public Speaking

O'Grady, E., B.A., Ph.D. (v. also
English Lang. and Lit.)
Assoc. Prof.

Religion

Professors

Marcotte, Rev. F.-X., Ph.D.,
S.T.D. Rome (v. also Phy-
siol.).

Gendron, Rev. J., B.A., Ph.D.,
S.T.L. (v. also Philos.).

Associate Professors

Lemieux, Rev. R., M.A., L.S.Sc.

Beauchamp, Rev. M., Ph.D.,
S.T.L. (v. also Philos.).

Perron, Rev. L., B.A. (v. also
Philos.).

Simon, Rev. L.-M. (v. also Philos.).

Russian, v. East and South
European Institute, *infra*

Social Work

Bowers, Rev. S., B.A., M.Sc.
Prof. and Dir. of School
(St. Patrick Coll.)

Sociology

Beaupré, L., M.S.Sc. Montr., B.A.
Lectr.

Spanish

Lecturers

Lozano, L., M.A. Málaga.

Poliquin, J.-M., B.A., S.T.B.,
Ph.L. (v. also Latin and
French).

Statics

Bernier, Y., B.A., B.Sc. Laval
Lectr.

Surveying

Lecturers

Grégoire, J., B.A., B.Sc. Laval (v.
also Mapping).

Savard, Rev. M., F.E. Laval, B.A.
Rivard, J. G., F.E. Laval.

Theology, v. Faculty of Theology,
infra

Translation

Davialt, P., F.R.C.S. Lectr.

Workshop

Lecturers

Gribbon, C.

Goyette, A., C.T. Montr.

Ouimet, J., C.T. Montr.

Medicine

(For subjects of first two years—
Anat., etc., v. *supra*)

Anæsthesia

Lecturers

Bonfield, J. Patrick, M.D. Qu.

Law, Douglas, M.D., C.M. Qu.

Sauvé, N., M.D. Montr.

Clinical Assistant

Mainville, M., M.D. Laval, B.A.

*Anatomy, v. supra**Bacteriology*

Gibbons, R. J., M.A., M.D.,
D.P.H. Tor. Prof.

Bismanis, J., M.D. Riga Lectr.

*Biochemistry, v. supra**Ethics*

Lecturers

Markle, Msgr. B., Ph.D., S.T.D.
Rome.

Beauchamp, Rev. M., Ph.D.,
S.T.L. (v. also Philos. and
Rel.).

Chaput, Rev. R., Ph.L., S.T.L.,
J.C.D.

Danis, Rev. A. L. M., M.A., Ph.D.,
S.T.L., J.C.B.

Lectr. and Sec. of Fac. of
Med.

*Gynæcology, v. Obstetrics and
Gynæcology, infra**Medical Jurisprudence*

Lecturers

Klotz, M. O., M.D. Tor.

Mercier, R., K.C.

Medicine

Fidler, A., M.D. Warsaw

Prof. and Hd. of Dept.

Lecturers

Bédard, O., B.A., M.D. Laval.

Church, H. B., M.D., C.M. McG.

Doane, A. R., M.D. Tor.

Fortier, B., M.D. Montr., B.A.

Gagné, R., M.D. Montr., B.A.

Law, William B., M.D., C.M. Qu.

Powers, A., M.D. Laval, B.A.

Roussel, L., M.D. Montr., B.A.

Schwarz, H., M.D. Sheff.

Tittley, J. R., B.L., M.D. Montr.

Tremblay, N., B.A., M.D. Laval.

Clinical Assistants

Beairsto, A. W., M.D. Tor.

Julien, Lucille, M.D. Montr., B.A.

Maziec, K., M.B., Ch.B. Edin.

Medicine, History of

Young, C., M.D., C.M. McG.,
F.A.C.S. Prof.

Mantha, L., M.D. Montr. Lectr.

Obstetrics and Gynæcology

Richard, A. L., B.A. St. Anne
N.S., M.D. Laval

Prof. and Hd. of Dept.,

Dean of Fac. of Med.

de Saint-Victor, H., B.A., M.D.
Laval Assoc. Prof.

Lecturers

Brisson, G., B.A., M.D. Laval,
F.A.C.S.

Hurtig, A., B.A., M.D. Alta.

Noël, M., B.A., M.D. Montr.

Ophthalmology

Gilhooly, J. P., M.D. McG. Prof.

Allen, D., M.D., C.M. Qu. Lectr.

Oto-laryngology

Coupal, J. L., M.D. Montr. Prof.

Pædiatrics

Campbell, G. A., B.A., M.B. Tor.,
F.R.C.P.Can. Prof.

Lecturers

Viau, H., M.D. Montr.

Bourque, H., B.A., M.D. Montr.

Maloney, P. J., M.D., C.M. Qu.

Parasitology

Cameron, T. W. M., T.D., M.A.,
D.Sc. Edin., Ph.D. Lond.,

F.R.S.C. Visiting Prof

Pathology

Magner, D., B.Sc., M.D. Tor.
Prof.

Fellows in Pathology

Laframboise, J., M.D. Laval, B.A.
Mercier, J., M.D. Laval, B.A.
Rota, A. M., M.D. Tor.

Pharmacology

Murnaghan, M., M.B., M.S. N.U.I.
Prof.

Physiology, v. also *supra*

Johnson, J. R., B.S. Washburn,
Ph.D. Tulane Prof.
Gilbert, A., M.S. Illinois Lectr.

Psychiatry

Stogdill, C. G., M.A., M.D. Tor.
Prof.

Lecturers

Szyrinski, V., M.D. Warsaw
Ph.D. (v. also Psychol., *supra*)
Cathcart, J. P. S., M.B. Tor.

Psychology

Shevenell, Rev. R., M.A., Ph.D.
(v. also Educn.)
Prof. and Dir. of Inst. of
Psychol.

Associate Professors

Dayhaw, L., Ph.D. Louvain.
Chagnon, M., B.A., Ph.L. (v. also
Educn.).

Radiology

Mooney, B. R., M.D. W. Ont.
Lectr.
Matzinger, K. E., M.D. Brati-
slava Clin. Asst.

Surgery

Valin, 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.Eng. and Can.
Prof. of Clin. Surg.

Lecturers

Bélanger, P. B., M.D., C.M. McG.

Bonfield, J. P., M.D. McG.

Brunet, E., M.D. Montr.

Côté, F., M.D., M.S. Tor., B.A.,
Ph.L., F.R.C.S.

Donovan, P. F., M.B., M.Ch.,
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Urquhart, M. C., B.A. Alta.

Assistant Professor

Hodgetts, J. E., M.A. Tor., Ph.D. Chic.

Lecturers

Malach, V. W., Ph.D. Lond., B.A., B.Com.

Grey, R. Y., B.A.

Instructor

Meisel, J., M.A. Tor.

1 Tutor.

Psychology

Blackburn, J. M., B.Sc. Lond., Ph.D. Camb. Prof.

Gatch, Helen L., M.A. Tor. Lectr.

Easterbrook, J. A., B.A. Instr.

14 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. All., 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, Mrs. Catherine, B.A. West. Instr.

4 Tutors.

Medicine

(for subjects of the first year—Chem., etc., v. *supra*)

Anæsthetics

Lecturers

Angrove, H. S., M.D., C.M.

Campbell, W. A., M.D., C.M.

Noble, A. B., M.D. Tor.

Clinical Tutor

Mahood, J. H. S., B.A., M.D., C.M.

Anatomy

Matheson, D. C., M.B. Prof.

Sloane, M. W. M., M.S., Ph.D.

Mich., M.D., C.M.

Asst. Prof.

2 Fellows.

Bacteriology

Professors

Reed, G. B., O.B.E., M.A., B.Sc., Ph.D. Harv., F.R.S.C.

Orr, J. H., M.D., C.M., F.R.C.P. Can.

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.

Clinical Assistants

McBroom, J. G., M.D., C.M.

MacPherson, G. B., B.A., M.D., C.M.

Gynæcology, v. Obstetrics and Gynæcol.

Med. Jurisprudence

Lecturers

Macdonnell, P. M., M.A., M.D.,
C.M. (also Med.).
Rigney, T. J., K.C., B.A.

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.

Lecturers

Robinson, S., M.D., C.M.
Tweddell, J. T., M.D., C.M.
O'Connor, F. D., M.D., C.M.
Danby, C. W. E., M.D., C.M.
Kelly, H. G., M.D., C.M., F.R.C.P.
Can.

Clinical Assistants

Bird, H. G., M.B. Tor., F.R.C.S.
Can.
Gibson, J. E., B.A., M.D., C.M.
Lugsdin, G., B.A., M.D., D.Psych.
Tor.
Dingwall, R. W., M.D., C.M.,
M.Sc. (Med.).
McCracken, G., F.R.F.P.S. Glas.
Clinical Tutors
Bresnahan, T. J., M.D., C.M.
Fireman, H. H., M.D.
Green, N., M.D.
Loynes, J. S., M.D., C.M.
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.

Clinical Tutors

Cameron, E. G., M.D., C.M.
Johnston, L. W., M.D. Alta.
O'Connor, L. N., M.D., C.M.
Tobin, S., M.D.

Pathology

Hamilton, J. D., M.D. Tor. Prof.
Hay, W. D., M.A., M.D., C.M.
Assoc. Prof.
Kipkie, G. F., M.Sc. McG., 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.

Clinical Assistants

Batstone, H. L., B.Com., M.D.
C.M.
O'Connor, M. J., M.D., C.M.
Billings, R. M., M.D., C.M.
Scott, G. D., M.D., C.M.
Wilson, G. E., M.D. Tor.

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.

Associate Professors

Houston, S. W., M.D., C.M.,
F.R.C.S. Ed., F.R.C.S. Can.
Boucher, D. W., M.D., C.M.,
F.R.C.S. Ed., F.R.C.S. Can.

Lecturers

Koster, B. M., M.D., C.M. McG.
Broom, J. C. W., D.D.S. Tor.
(Dental S.).

Tilley, A. R., O.B.E., M.D. Tor.
(Plastic Surgery).

Clinical Assistants

Lindsay, G. C., M.D., C.M.
Tweddell, T. N., M.D., C.M.,
F.A.C.S.

Warner, H. M., B.Sc., M.D., C.M.
McG.

Clinical Tutors

Brown, F. N., M.D., C.M.
Dunlop, H. W., M.D., C.M.
Johnson, J. B., M.B., Ch.B. Aberd.
Scott, D. M., M.D., C.M.
Mickleborough, K., M.D.
Vechter, M., M.D., C.M.

Urology

Berry, N. E., M.D., C.M. Prof.
White, E. P., M.D., C.M., F.R.C.S.
Ed. Clin. Asst.

AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE, Kingston, Ontario. (Telephone: 8272.)
Principal and Prof. of Hebrew and Old Test. Criticism and Exegesis, Rev.
H. A. Kent, M.A. Dal., D.D. Montr., LL.D. Mt. All., F.R.S.A. 3 other Profs.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Extension, H. K. Hutton, B.A. West., M.A. Col., B.Pæd. Tor.
Dir. of Summer School, H. L. Tracy, B.A. Tor., Ph.D. Chic. Asst. Registrar,
K. Jean Richardson, B.A. Univ. Chaplain and Adviser to Veterans, Rev.
A. M. Laverty, B.A. Tor., B.D. Emmanuel. Warden, Students' Memorial
Union, J. E. Wright, M.B.E. Chief Proctor, H. J. Styles, M.S. Mich., B.Sc.
Medical Officer, W. A. Young, B.A., M.D., C.M.

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, Mech., Metall., Mineral. OBSERVATORY with 6" telescope. HOSPITALS. 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 is a large number of entrance scholarships, varying in value from \$20 to \$1200 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 History. One *Fellowship in the Humanities* of \$750, two of \$600, two *Arts Research Fellowships* of \$500 and one of \$300 are open to men and women who have taken the Hon. B.A. degree at Queen's or an equivalent degree elsewhere. Two *Reuben Wells Leonard Fellowships* of \$750 and one of \$500 are open to graduates of Queen's Univ. who are proceeding to graduate training at Queen's Univ. *The George Christian Hoffman Fellowships*, (i) for pathological research, (ii) for further study in surg., are awarded for study in some institution or Univ. in Europe or the United States approved by the Senate. *The C.I.L. Fellowship in Chem. and Chem. Engin.* of \$1000 is open to graduates of Queen's or other Univs. who wish to do research in Chem. or Chem. Engin. *The Shell Oil Fellowship*, \$750 plus tuition, is for graduate work in Chem., Chem. Engin., Mech. Engin., Geology, Physics and Geo-Physics. *The Ernst Mahler Fellowship* of \$750 and the *Adolph S. Ochs Fellowship* of \$750 given by the Spruce Falls Power and Paper Company are awarded for graduate work in Chem.; 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 Company 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 Chem., Chem. Engin., Mining Engin., Metall., Geol. and Min. Post-graduate scholp. in Chem. Engin., \$300, awarded on the basis of ability, academic record, character, and personal qualification. *The J. B. Tyrrell Scholarship in Economic Geology*, \$500, for graduate work in Econ. Geol. *The R. S. McLaughlin Teaching Fellowships* in Mech. Engin., two valued at \$2200 each, awarded to students proposing to do graduate work in Mech. Engin. over a two-year period. *The Steel Co. of Canada Ltd. Fellowship*, \$1500, for research in ferrous metall. *The George MacBeth Milligan Fellowship in Philosophy*, \$400, for research in Philos. This fellowship is open to graduates of Queen's or elsewhere. There are two fellowships in Chem. open to graduates of approved Univs.

RESIDENCE AND UNION. Ban Righ Hall and its annexes have rooms for 166 women students and refectory accomm. for 315. Board and lodgings in 1949-50 cost from \$310 to \$380 for the full session. Every male student is a member of the Students' Memorial Union. The Union has the usual club facilities—a dining-hall, lounge and billiard rooms, reading rooms, committee rooms, and guest rooms for alumni and visitors to the Univ. The Union provided meals at from \$8 to \$10 a week during session 1949-50 for about 1000 students daily. Berry House and Collins House, operated by the Science Co-operative, Inc., are open to men students of all facs. Room and board per week for session 1949-50 was \$11.50. Berry House and Collins House accommodate 34 men students. Boucher House, a co-operative house for women students, accommodates 21.

MILITARY SERVICE. The University Naval Training Division, the Canadian Officers' Training Corps, and the R.C.A.F. Reserve University Flight offer courses of training which extend over the greater part of a student's University Course, and provide up to 20 weeks' summer employment at \$162 per month with food, clothing, and accommodation. The object of the training policy is to qualify selected students for commissions on graduation.

STUDENT HEALTH SERVICE. Queen's Univ. administers a Health Insurance Fund by arrangement with the London Life Insurance Co. The service covers medical and hospital care, including surgery. All first and final yr. students are required to have X-ray examinations of the chest each yr.

EMPLOYMENT SERVICE. The Employment Bureau assists graduates and undergraduates in all facs. to secure suitable positions, and helps students to obtain work during vacation periods.

ATHLETIC FACILITIES. The Univ. has a gymnasium with a swimming pool of full Olympic size, a large covered skating rink with artificial ice and a football field. There is room and equipment for all students who wish to take part in football, hockey, badminton, basket-ball, field hockey, tennis, track athletics, archery, swimming, diving, boxing and wrestling. Good skiing is available about 5 miles from the Univ. proper.

ALUMNI ORGANIZATION. General Alumni Association: membership, 13,810.

UNIVERSITY EXTENSION. Correspondence courses for teachers and others unable to pursue full degree courses in Arts. Candidates for degrees must be in attendance at the Univ. for five Summer Schools (six weeks in July and

Aug.), or two winter sessions, or one winter session and three Summer Schools. (Director: H. L. Tracy, B.A., Ph.D.) The final written exams. are the regular Univ. exams. 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 facs.); *Queen's Quarterly* (\$3 per yr.); *Queen's Journal*; *Queen's Review* (General Alumni Association—\$3 per yr.); *Queen's University at Kingston. The First Century*, by D. D. Calvin, 1941.

THE YEAR 1949-50

BENEFACTIONS. Algoma Ore Properties, Ltd., \$10,000; Algoma Steel Corp., Ltd., \$25,000; The Aluminium Co. of Canada, Ltd., \$50,000; Atkinson Charitable Foundation, \$10,000; Bank of Montreal, \$20,000; Canadian Industries Ltd., \$60,000; Canadian Locomotive Co., Ltd., \$10,000; Canadian Westinghouse Co., Ltd., \$10,000; Consolidated Mining and Smelting Co. of Canada, Ltd., \$50,000; Consolidated Paper Corp., Ltd., \$20,000; Dominion Textile Co., Ltd., \$15,000; T. Eaton Co., Ltd., \$40,000; Mrs. A. C. Hardy, \$10,000; Estate of Mrs. A. C. Hardy, \$27,000; International Nickel Co. of Canada, Ltd., \$50,000; Estate of Dr. J. F. Kidd, \$10,000; Massey-Harris Co., Ltd., \$10,000; Molson's (Ont.) Ltd., \$20,000; J. W. McConnell Foundation, Inc., \$25,000; Dr. R. S. McLaughlin, \$475,438.79; H. R. MacMillan, \$10,000; Estate of Dr. A. C. Neish, \$46,872.52; Noranda Mines, Ltd., \$15,000; Northern Electric Co., Ltd., \$10,000; Mrs. J. Richardson & Sons, \$250,000; Royal Bank of Canada, \$20,000; Steel Company of Canada, Ltd., \$50,000; Messrs. G. Weston Ltd., \$10,000.

RETIREMENTS. Prof. J. A. Roy (English); Prof. Wilhelmina Gordon (English); Prof. J. F. Logan (Biochem.).

RESIGNATIONS. Prof. W. H. Poole (Marketing); Prof. F. M. C. Goodspeed (Maths.); Prof. D. W. Marshall (Chem. Engin.); Prof. C. R. McLean (Pathol.) Dr. P. M. Macdonnell (Medical Health Officer).

HONORARY DEGREES. LL.D.—Dr. C. H. Best, Univ. of Toronto; N. R. Crump, Vice-President of Canadian Pacific Railway; Sir Henry Hallett Dale, London, England; Wilhelmina Gordon, retiring Assoc. Prof. of English;

J. R. Timmins, Montreal ; H. B. Speakman, Sec. of Ontario Research Foundation. *D.D.*—Rev. W. A. Beecroft of Wingham, Ontario ; Rev. A. F. Fokes of Shawville, Quebec. *M.Sc.*—S. P. Eagleson, Sec. of National Research Council.

STUDENTS.

	<i>Part-Time (Extra-mural and Summer School)</i>	<i>Full-Time</i>
Men	825	2117
Women	733	513
Total	1558	2630

Included in the above are 67 postgraduate students and 663 first-year admissions.

DEGREES. B.Sc. (Hons.), 32 ; B.Sc., 240 ; M.Sc., 19 ; B.A. (Hons.), 84 ; B.A. (Pass), 221 ; M.A., 25 ; B.Com., 78 ; M.D., C.M., 51 ; B.N.Sc., 5 ; B.P.H.E., 7 ; B.D., 3.

ROYAL MILITARY COLLEGE OF CANADA

KINGSTON, ONTARIO

Founded 1876

PRESIDENT—THE MINISTER OF NATIONAL DEFENCE (*ex-officio*), Hon. BROOKE CLAXTON, K.C., M.P., D.C.M., B.C.L. McG.

COMMANDANT—Brigadier DONALD ROBERT AGNEW, C.B.E.

VICE-COMMANDANT AND DIRECTOR OF STUDIES—WILLIAM REGINALD SAWYER, O.B.E., M.Sc. Qu., Ph.D. McG., F.C.I.C.

REGISTRAR AND SECRETARY OF THE FACULTY—THOMAS FRASER GELLEY, B.A. Mani., M.A. Qu.

STAFF ADJUTANT—Sqn. Ldr. HARRY CAIL VINNICOMBE, B.Sc. Acad.

ADMINISTRATIVE OFFICER—Major GORDON SWARTZEN, B.A. W. Ont.

LIBRARIAN—JOHN SPURR, B.A., B.Ed. Acad.

TEACHING STAFF

Chemistry and Chemical Engineering

Professors

Sawyer, W. R., O.B.E., M.Sc. Qu., Ph.D. McG., F.C.I.C.

Dacey, J. R., M.B.E., M.Sc. Dal., Ph.D. McG.

Naldrett, S. N., M.Sc. Alta., Ph.D. McG.

Hodgins, J. W., B.A.Sc., Ph.D. Tor.

Diaper, D. G. M., M.A., D.Phil., B.Sc. Oxon. Asst. Prof.

Instructors

Rublack, W., M.Sc. Qu.

McKnight, T. S., B.A., M.Sc. Qu.

Manson, J. A., M.Sc. McM.

Civil Engineering

Burgoin, Major J., B.Sc. Qu.

Assoc. Prof.

Siwicky, W. O., B.Sc. Mani.

Instr.

Electrical Engineering

Holbrook, Lieut.-Col. G. W., B.Sc. Lond., M.Sc. Qu. Prof.

Campling, C. H. R., B.Sc. Qu., M.Sc. M.I.T. Asst. Prof.

English

Fisher, P. F., M.C., M.A., Ph.D. Tor. Assoc. Prof.

Maclean, H. N., B.A. Princet., M.A., Ph.D. Tor. Assoc. Prof.

Walker, E. A., M.A. Camb. Spec. Lectr.

Edinburgh, A., M.C., B.A. Camb. Spec. Lectr.

History

Stanley, G. F. G., B.A. Alta., M.A., B.Litt., D.Phil. Oxon., F.R.Hist.S. Prof.

Preston, R. A., B.A., M.A. Leeds, Ph.D. Yale Prof.

Wise, S. F., B.A., B.L.S. Tor. Instr.

Mathematics

Lowe, P., M.A. Tor., Ph.D. Qu. Prof.

Elliott, H. A., M.A. Camb., Ph.D. Brist. Prof.

Twiss, J. F., M.A. McM. Prof.

Dulmage, A. L., M.A. Tor.
Asst. Prof.
Fryer, K. D., B.A. W. Ont., M.A.
Tor. Lectr.

Mechanical Engineering

King, Lieut.-Col. P. C., B.Sc. Qu.
Prof.
Maclean, Major A. L., B.A.Sc. Tor.
Assoc. Prof.
Billingsley, J. G. S., B.Sc. Qu.
Lectr.

Military Studies

Associate Professors
Fawcett, Major W. G.
Stuart, Sqn. Ldr. V. C. H.
Willson, Lt.-Cmdr. W. H., D.S.C.

Modern Languages

Chabot, C. A., B.A. Laval, M.A.
Qu. Prof.
Emond, H. P., B.A. Ott.
Assoc. Prof.
Lamontagne, Major J. L., B.A.,
L. ès L. Laval, Ph.D. Ott.
Assoc. Prof.
LeGrand, H. A., M.A., L.Phil.,
Ph.D. Montr. Asst. Prof.
Baron-Rousseau, J., B.A., L. ès L.
Montr. Asst. Prof.

Physics

Reekie, J., B.Sc., Ph.D. Edin.,
Ph.D. Camb. Prof.
Hutchison, T. S., B.Sc., Ph.D. St.
And. Assoc. Prof.
Hetherington, Major F. E., B.Sc.
Qu. Assoc. Prof.

Instructors

Lowther, L. H., B.Sc. Acad.
Hedgcock, F. T., B.Sc. Manit.,
M.Sc. W. Ont.
Filmer, A. J., B.Sc., M.Sc. Alta.

Political and Economic Science

Malach, V. W., B.A., B.Com. Qu.,
Ph.D. Lond., F.R.E.S.
Assoc. Prof.
Meyers, E. B., B.Acc. Sask.
Asst. Prof.
Case, C. G., B.A. Qu., M.A. Chic.
Sessl. Lectr.

Cadet Organization and Administration

Vinnicombe, Sqn. Ldr. H. C., B.Sc.
Acad. O/C Cadet Wing.
Slocombe, Lieut. D. F.
Sqn. Comd.
Bryan, Flight Lieut. H. W. S.,
B.Com. Qu. Sqn. Comd.
Malone, Capt. J. E. Sqn. Comd.
Wagstaff, Capt. T. C. Phys. Ed.
Hildred, Capt. S. F., M.B.E.
Asst. Adm. Offr.
Coultyish, Capt. F.
Asst. Adm. Offr.
Gould, Capt. H. G. Paymaster.

Can. Army Op. Research Establishment

Maskell, Major F. G. B., M.A.
Oxon.
Goodfellow, Major H., M.B.E.,
B.E. Sask.
Kaye, G. D., B.Sc. Lond., F.S.S.

GENERAL INFORMATION

The Royal Military College of Canada was founded in 1876 at Kingston, Ontario, for the purpose of training cadets in the moral, mental, and physical requirements for entry into the commissioned ranks of the active and reserve sea, land, and air forces. The moral training includes the development of the essential characteristics of discipline and leadership. Mental training includes the fundamental military and scientific knowledge required in all branches of the Services and particularly of the Technical Corps, and to provide a balanced and liberal education in Arts and Sciences. In 1948 the Royal Military College and Royal Roads (established 1941), Victoria, B.C., were

constituted as Canadian Services Colleges to provide a joint educational and training programme for the three armed forces of Canada. The course at the colleges is of four yrs.' duration, of which the first two yrs. may be taken at either the Royal Military College or Royal Roads. The third and fourth yrs. are taken at the Royal Military College only. Cadets who take the first two yrs. at Royal Roads proceed for the last two yrs. of the General or Engineering Course to the Royal Military College. The course is of two types: (a) General Arts; (b) Engineering. In the final year of the latter a cadet may specialize in one of Civil, Chemical, Mechanical, or Electrical Engineering. Graduates may enter the Final Year of Engineering in any one of the four categories in certain Canadian universities.

ADMISSION REQUIREMENTS. An applicant must be over 16 and under 20 years of age on the first day of Jan. of the year of admission; he must offer provincial Jr. Matricn. and provincial Sr. Matricn., or their acceptable equivalents, in English, Algebra, Geom., Trigonometry, Physics, Chem., and either Hist. or a foreign language; and he must pass qualifying examinations in Maths. and in either English or French. An applicant must be a Canadian citizen or other British subject normally resident in Canada.

MILITARY OBLIGATION. Each cadet must undertake to serve after graduation as a commissioned officer in one of the three armed services, in either the Active or Reserve Forces, whichever he may elect.

DIPLOMA. A cadet who successfully completes his four-yr. course is awarded a Diploma of Graduation. The first graduation under the new 1948 amalgamation will take place only in 1952.

FEES. Tuition, \$100.00 per yr.: first yr.—\$450.00 additional, covering uniforms, books, laundry, etc.; each subsequent yr. \$200.00; annual recreation, \$30.00.

SUMMER TERM. All cadets are required to attend training centres of the Services of their choice in order to obtain the necessary Service qualifications.

LIBRARY. 30,000 vols., including the General Crerar German Military Library.

LABORATORIES. Chem., Phys., Civil, Electrical, and Mechanical Engin.

RESIDENCE. All cadets are in uniform and live in residence. Three blocks, providing 400 single and double rooms.

SUMMER SERVICE SCHOOLS. R.M.C. facilities are used in the summer months for jr. officers' courses, C.O.T.C., R.U.F. (R.C.A.F.), and other qualifying courses.

PUBLICATIONS. *Admission Requirements* (annual); *The R.M.C. Review* (annual); *The Marker* (bi-weekly).

THE YEAR 1949-50

CADETS. Total, 330 (including Royal Roads).

BUILDINGS. New cadet dormitory block, swimming-pool, and machine shop.

SAINT DUNSTAN'S COLLEGE

CHARLOTTETOWN, PRINCE EDWARD ISLAND

Founded 1855

Telephone : 128L.

CHANCELLOR—Most Rev. JAMES BOYLE, D.D., Bishop of Charlottetown.

RECTOR—Rt. Rev. R. V. MACKENZIE, Litt.D. Laval, LL.D. New Br.

REGISTRAR—Rev. J. A. SULLIVAN, M.A. Cath. U. Amer.

TEACHING STAFF

Biology

Ellsworth, Rev. R. G., D.D. Laval,
M.Sc. Cath. U. Amer. Prof.

Chemistry

Cass, Rev. F. L., B.Sc. McG.
Prof.

Commerce

Clarke, G. E., B.Com. Ott. Prof.

Economics

Murphy, J. C., Ph.D. Cath. U.
Amer. Prof.

English

O'Grady, B. A., M.A. Col. Prof.

French

Pineau, Rev. J. W., M.A. Laval
Prof.

History

MacGuigan, Rev. W. J., M.A.
Cath. U. Amer. 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. Cath.
U. Amer. Prof.
Landrigan, Rev. L. W., B.A.
Associate.

Physics

MacDonald, Rev. G. A., M.Sc.
Dal. Prof.

Religion

Mackenzie, Rt. Rev. R. V., Litt.D.
Laval, LL.D. New Br. Prof.

Sociology

Murphy, J. C., Ph.D. Cath. U.
Amer. Prof.

ADMINISTRATIVE AND OTHER STAFF.

Bursar : Rev. W. Simpson, B.A.. College Physician : Hon. W. J. P. MacMillan, O.B.E., M.D., C.M., LL.D. McG., F.A.C.S. Faculty Adviser on Athletics : Rev. W. J. MacGuigan, M.A. Directors of Discipline : Rev. J. P. E. O'Hanley, Ph.D. ; Rev. L. W. Landrigan, B.A. ; Rev. E. J. Roche, M.Sc. Committee on Studies : Rt. Rev. R. V. Mackenzie, Litt.D., LL.D. ; Rev. J. A. Sullivan, M.A. ; Rev. R. G. Ellsworth, D.D., M.Sc. Director of Extension Work : E. M. Gorman, B.A.

GENERAL INFORMATION

St. Dunstan's College, opened in 1855, was by Act of the Prince Edward Island Legislature granted a charter in 1917 as a University "with all and every the usual rights, powers, and privileges of such an institution." From 1892 to 1940, by virtue of affiliation with Laval University, the degrees of that institution were conferred on all those who completed the St. Dunstan's courses and successfully passed the examinations given by Laval Univ., but since 1940 the powers of its charter have been exercised in full and independent action. By virtue of its former privilege with Laval Univ., however, students from classical colleges in Quebec may attend St. Dunstan's for the last 2 yrs. of their baccalaureate course, write the Laval examn., and if successful, obtain the Laval degree. English is the official language used in the lectures at St. Dunstan's.

The college is the Diocesan College of the Roman Catholic Diocese of Charlottetown and is co-educational. There are three residences for the male students, each accommodating about eighty students.

The Canadian Officers' Training Corps has a contingent on the campus and offers to selected students an opportunity to qualify for commissions in the Canadian Army. The University Naval Training Division also has a branch of its programme on the campus through which eligible college students may qualify for commissions in the Royal Canadian Navy (Reserve).

The principal athletic activities on the campus are football, hockey, and basket-ball, and ample facilities are provided for these in football fields, an indoor skating rink, and a large gymnasium.

The students' union co-ordinates all organized student activities on the campus, such as athletics, dramatics, debating, the publishing of the students' magazine, etc.

DEGREES. The courses given are B.A., 4 yrs.; B.Sc., 4 yrs., B.Com., 4 yrs., and on the successful completion of these courses the degrees are conferred. Only three years of the Commerce course given in 1949-50.

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.

FEES. Tuition, board, \$300.00 to \$350.00 per yr.

THE YEAR 1949-50

STUDENTS. Men, 166; women, 18.

DEGREES. B.A., 32; B.Sc., 13.

UNIVERSITY OF ST. FRANCIS XAVIER *

ANTIGONISH, NOVA SCOTIA

Founded 1853

Telephones : Antigonish 273, 599, 254.

CHANCELLOR AND *ex officio* CHAIRMAN OF THE BOARD OF GOVERNORS—
Most Rev. JOHN R. MACDONALD, D.D., Bishop of Antigonish.

PRESIDENT—Rt. Rev. P. J. NICHOLSON, Ph.D. Johns H.

VICE-PRESIDENT—Rev. H. J. SOMERS, Ph.D. Cath. U. Amer., F.R.Hist.S.

PRINCIPAL, XAVIER JUNIOR COLLEGE—Rev. M. A. MACLELLAN, Ph.D.
Cath. U. Amer.

ACTING DEAN OF STUDIES—Rev. C. H. BAUER, B.A.

BURSAR—Rev. A. I. MACADAM, B.A.

REGISTRAR—H. L. LENT, M.A. Col.

PREFECT OF DISCIPLINE—Rev. J. A. RANKIN, B.A.

CHAPLAIN—Rev. P. A. NEARING, B.A.

ALUMNI DIRECTOR—Rev. F. J. SMYTH, B.A.

LIBRARIAN—Sister REGINA CLARE, B.L.S. Tor.

TEACHING STAFF

Biology

Chisholm, Rev. J. C., M.A. Prof.

Chiasson, L. P., Ph.D. Tor.

Assoc. Prof.

Judek, S., Ph.D. Edin.

Miffen, Rev. P. S., M.A. Cath. U.
Amer.

Gallant, F., B.Com. Qu.

Chemistry

Foley, W. T., Ph.D. Laval Prof.

MacDonald, J. J., Ph.D. Tor.

Assoc. Prof.

Education

Timmons, H. P., M.A. Cath. U.
Amer. Assoc. Prof.

Classics

Gillis, Rev. J. H., Ph.D. Cath U.
Amer. Prof.

Engineering

Fogarty, Rev. W. P., B.Sc. McG.

Prof.

Roy, A., B.Sc.

Assoc. Prof.

Economics, Sociology, Political Science

MacEachen, A. J., M.A. Tor.

Prof.

English

Bannon, Rev. R. V., M.A. Prof.

Associate Professors

MacCormack, Rev. D., M.A., D.D.

Laval,

McMahon, Rev. J., M.A. Camb.

Boyle, Mrs. D., Ph.D. Cath. U.

Amer.

MacSween, Rev. R. J., B.A.

Dooley, D. J., M.A. Tor.

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

French

MacLean, C., D. de l'U. Paris
Prof.

LeBlanc, A. J., M.A. Laval
Assoc. Prof.

Geology

MacNeil, D. J., Ph.D. Princet.
Prof.

Keating, B. J., Ph.D. McG.
Assoc. Prof.

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.

Adamkiewicz, G., LL.D. Graz
Assoc. Prof.

Mathematics

McKenna, Rev. L. G., M.A. Prof.
Ginivan, Rev. F. J., B.Sc.

Assoc. Prof.

Philosophy

MacEachern, Rev. M., D.D.
Montr., Ph.D. Louvain Prof.

Physics

Professors

Nicholson, Rt. Rev. P. J., Ph.D.
Johns H.

Tobin, Rev. C., M.A.

Associate Professors

Clarke, Rev. E. M., B.Sc.

Reid, W., M.Sc., W. Ont.

Extension Department

Coady, Rt. Rev. M. M., D.D. Urb.
Rome, Ph.D. Coll. St. Thos.,
Rome, LL.D. Boston Coll.
and Ohio Director.

Laidlaw, A., M.A., B.Pæd. Tor.
Asst. Dir.

MacPherson, Rev. H., Ph.D.
Agric. Consultant.

MacCormack, Rev. D., D.D. Laval
Dir. of Social Leadership
Studies.

MacKinnon, Rev. M. J., B.A.
Dir. of Urban Educn.

Michael, Sister M., B.L.S.
Librarian.

Anselm, Sister M. Research Sec.
2 Lectrs. ; 12 Field Workers ;
Field Specialist ; Housing
Specialist.

ADMINISTRATIVE AND OTHER STAFF

Business Manager: C. R. Chadwick; Public Relations Officer: B. J. O'Connell, B.A.; Instr. in Physical Educn.: A. Gilmet; Resident Staff Officer, C.O.T.C.: Capt. A. T. Sesia, M.B.E., B.A.

AFFILIATED INSTITUTIONS

XAVIER JUNIOR COLLEGE, George Street, Sydney, N.S.—Principal, Rev. M. A. MacLellan, Ph.D. Cath. U. Amer. Mt. St. Bernard Ladies College, Antigonish, N.S.—Superior, Sister St. Catherine Martyr. St. Martha's Hospital School of Nursing, Antigonish, N.S.—Supt. of Nurses, Sister Mary Calvary.

GENERAL INFORMATION

The University was founded in 1853 in Arichat by the Rt. Rev. Colin Francis MacKinnon, Bishop of the Diocese of Arichat, and subsequently moved to its present location at Antigonish. Full University powers were conferred upon St. Francis Xavier University by the Province of Nova Scotia

in 1866. The Univ. is under the direction of the Catholic Church, but there are no religious tests for entrance or for degrees. Permanent buildings were begun in 1880.

In 1894 Mt. St. Bernard College for Women, founded in 1883, was affiliated with the Univ.

MATRICULATION REQUIREMENTS. A candidate for admission to the Freshman year must either pass the University Matriculation Examinations or present a certificate showing that he has sufficient academic preparation. For *Admission to the Arts Course* credits are required in: Eng.; Hist.; a modern lang.; Algebra; Geom.; Latin; one of: Phys., Chem., Biol., another history, Trigonom., another lang. *Premedical, Predental, and Pre-legal* courses: the same credits are accepted. *Science Course*: credits are required in: Engl.; Hist.; a modern lang.; Algebra; Geom.; Phys.; Chem.; one of: Economics, another history, Trigonom., another lang., Biol. *Commerce or Engineering Courses*: either an Arts or Science matricn. will suffice. *Acceptable Certificates*: The following certificates will be accepted, under certain conditions, as offering credits for admission: (a) Grade XI Certificates of the Common Examining Board of the Maritime Provinces and Newfoundland. (b) New Brunswick Matriculation Certificates and the Second Year Diploma of Prince of Wales College, Charlottetown. (c) Ontario Grade XII (Junior matriculation) certifs. (d) Quebec High School leaving or Junior Matriculation certifs. (e) Equivalent certifs. of the Depts. of Educn. of other provinces. (f) Matricn. certifs. issued by recognized colls. (g) High school graduation certifs.

ADMISSION TO PARTIAL OR SPECIAL COURSES. In particular cases students who are not candidates for degrees may be permitted by the Committee on Admissions to enrol in any course from which, in the judgment of the Committee, they will profit.

GENERAL FEES. *First Semester*: Board, \$160.00; Tuition, \$80.00; Room Rent, \$48.00; Laundry, \$16.00; Library, \$10.00; General Fee, \$23.00; Caution Money, \$10.00; Medical and Surgical Attendance, \$8.00; Hospitalization Fee, \$7.00; Total, \$362.00; Total without private room charge, \$314.00. *Second Semester*: Board, \$160.00; Tuition, \$80.00; Room Rent, \$48.00; Laundry, \$16.00; Total, \$304.00; Total without private room charge, \$256.00.

DEGREE COURSES. 5 yrs., B.A. Hons., B.Sc. Hons., B.Sc. Nursing; 4 yrs., B.A., B.Sc., B.Com., B.Sc. Home Econ. Postgraduate, 2 yrs., M.A., B.Ed.

DIPLOMA COURSES. Engineering, 3 yrs.; admits to fourth yr. of 5-yr. course at Nova Scotia Technical College and other engineering schools. Education, 1 yr. postgraduate; qualifies for High School Licence of the Nova Scotia Dept. of Educn. Social Leadership, 2 yrs.; intended for adults who wish to train themselves for community leadership in the work of the Antigonish Movement.

Mt. St. Bernard College offers specialized training, not leading to a degree or diploma, in Arts and Crafts, Music, Dramatics, and Secretarial Science (2 yts.).

SUMMER COURSES. St. Francis Xavier Summer School, Vacation School in Social Action. Various short courses sponsored by the Extension Dept. of the Univ.

EXTENSION DEPARTMENT. This Dept. was set up in 1928 and sponsors a programme of adult education known as the Antigonish Movement. It is

separately staffed and educates by means of study clubs, films, radio programmes, and by correspondence. It has vastly improved the economic state of fishermen, farmers, and industrial workers in the Canadian Maritime Provinces by the establishment of Co-operatives and Credit Unions, and its work has been recognized by outstanding foundations which have given substantial assistance. It sponsors various courses on the campus and awards to students a diploma in Social Leadership, a course of studies evolved from the movement.

SCHOLARSHIPS, ETC. Knights of Columbus Scholps., 10 to 12 annually, \$200 each; ten Rev. R. McInnis scholps. of \$200 and under each; 4 French scholps. annually, \$200 each; also various other scholarships, bursaries, and prizes.

LIBRARY. 55,000 vols.

LABORATORIES. Biol., Chem., Geol., Phys. Engin.

RESIDENCE. Cameron Hall and McKinnon Hall, the latter recently dedicated. Combined with Xavier Hall and Mockler Hall these accommodations provide facilities for 800 resident students.

PHYSICAL TRAINING. Gymnasium; skating rink; stadium.

MILITARY TRAINING. University Naval Training Division (U.N.T.D.) established to train suitable young University students for commissioned rank in the Royal Canadian Navy and the Royal Canadian Navy Reserve. Canadian Officers Training Corp (C.O.T.C.) established to select and train suitable young University students for commissioned rank in the Canadian Active Army and the Canadian Active Army Reserve.

The STUDENTS' UNION is the recognized means of communication between the Fac. and the student body. It is designed to co-ordinate and control all extracurricular student activities. Every student is a member.

PUBLICATIONS. *Calendar* (July); *Xavierian*, weekly (students' publication); *Alumni News*, 3 times yearly; a *Short History of the University*, available on request, gratis.

THE YEAR 1949-50

STUDENTS. Registration for the yr., 1070, including 160 women and 42 graduates. Several thousand men and women, members of various study clubs and co-operatives under direction of the Extension Department, received instruction by lectures, mimeographed material, pamphlets, films and radio programmes.

DEGREES. B.A., 80; B.A. (Hons.), 2; B.Sc., 49; B.Sc. in Nursing, 6; B.Sc. Home Econ., 8; B.Ed., 13; B.Com., 12; M.A., 1.

DIPLOMAS. Engin., 46; Ed., 32; Social Leadership, 4.

SAINT JOSEPH'S UNIVERSITY

Founded 1864

Postal Address : New Brunswick, Canada.

Telephone : 7-4.

PRESIDENT—Rev. CLEMENT CORMIER, S.Th.L., LL.D., B.Sc.Soc.

VICE-PRESIDENT—Rev. MÉDARD M. DAIGLE, B.A.

SECRETARY-GENERAL—Rev. ALBÉNI POITRAS, L.Sc.

GENERAL DEAN OF STUDIES—Rev. ALBÉNI POITRAS, L.Sc.

DEANS—*French and Latin*—Rev. L. GAUDET, LL.L. ; *English*—Rev. RÉMI ROSSIGNOL ; *Sciences and Mathematics*—Rev. A. POITRAS, L.Sc. ; *Commerce*—Br. L. TAILLON, M.A., B.Ed. New Br.

TREASURER—Br. J. N. MORIN, B.L., B.Ed.

LIBRARIAN—Br. OMER CORMIER.

TEACHING STAFF

Accounting

Cadieux, Jean, L.Sc.Com. Montr.
Prof.

Biology

Professors

Rossignol, Rev. Rémi.

Blanchard, Rev. T.

Business Mathematics

Taillon, Br. L., M.A., B.Ed. New Br.
Prof.

Chemistry

Professors

Cormier, Rev. J. B., L.Sc. Montr.

Rossignol, Rev. R.

Ouellet, Y., B.Sc.

Classics: Greek

Prévost, Rev. P., B.A. Prof.

Classics: Latin

Professors

Gaudet, Rev. L., LL.L. Montr.

Baudry, Rev. R., LL.L. Montr.

Landry, Rev. Z.

Lauzon, Rev. R.

Maloughney, Rev. W., S.Th.L.,
Ph.L. Laval.

Picher, Rev. V., B.A.

Crôteau, Rev. R., B.A.

Blanchard, Rev. T., B.A.

Commercial Law

Cadieux, Jean, L.Sc.Com. Montr.
Prof.

Commercial Sciences

Professors

Taillon, Br. L., M.A., B.Ed. New Br.

Cadieux, J., L.Sc.Com. Montr.

Young, Aurèle, L.Sc.Soc. Laval.

Economics

Young, Aurèle, L.Sc.Soc. Laval
Prof.

English

Professors

Maloughney, Rev. W., S.Th.L.,
Ph.L. Laval.

Hennessey, Rev. T. F., S.Th.L.,
Ph.L. Montr.

French

Professors

Baudry, Rev. R., LL.L. Montr.*
Gaudet, Rev. L., LL.L. Montr.
Blanchard, Rev. T.
Gaudet, R., B.L.
Picher, Rev. V.
LeBlanc, R., B.A.
Prévost, Rev. L., B.A. Montr.

Geology

Blanchard, Rev. T. Prof.

History

Professors

Cormier, Rev. C., B.Sc.Soc. Laval.
Baudry, Rev. R., LL.L. Montr.
Gaudet, Rev. L., LL.L. Montr.

Insurance

Savoie, C. F., M.A. Prof.

Mathematics

Professors

Poitrass, Rev. A., L.Sc. Laval.
Rossignol, Rev. R.
Cormier, Rev. J. B., L.Sc. Montr.
Gionet, Rev. D.
Ouellet, Y., B.Sc.
Gaudet, Rev. D., B.A.
Albert, R., B.A.

Music

Professors

Braut, Rev. L., B.A. Montr.
Gaudet, Rev. D., B.A.
Hall, Doreen, B.M. Tor.

Philosophy

Professors

Hennessey, Rev. T., B.Th.L.,
Ph.L. Montr.
Daigle, Rev. L.-M., B.A.
Cormier, G., Ph.L. Montr.

Physics

Professors

Poitrass, Rev. A., L.Sc. Laval.
Albert, A., B.Sc.
Lavery, Rev. E. L.

Religion

Professors

Daigle, Rev. L.-M., B.A.
Landry, Rev. Z., B.A.
Blanchard, Rev. T., B.A.

Statistics

Taillon, Br. L., M.A., B.Ed. Prof.

Agricultural School

Gaudet, G., B.S.A. Laval
Director.

Professors

Boudreau, Rev. R., B.S.A. Laval.
Chiasson, C., B.S.A. Laval.
Bourgeois, P., B.S.A. Laval.
McIntyre, J. E., B.S.A. Laval.
Robichaud, J. P., B.S.A. Laval.
LeBlanc, A., B.S.A. Laval.
Farmer, L., B.S.A. Laval.
Martin, A., B.S.A. Laval.
Chiasson, E., B.S.A. Laval.
Blanchard, F., B.S.A., M.Sc.
Montr.
Dionne, A., B.A.
Goguen, A., B.A.
Boudreau, C., B.A.
Arsenault, G.
Cormier, D.
Haché, L.
Gaudet, J. A.

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.
New Br. Dir. of Studies.
Gaudet, Rev. L., LL.L.
Asst. Dir. of Studies.
DeGrâce, J.-G., M.A. Sec.
Professors
Albert, H. A., M.A. (Hist.,
French).
Barry, P., L.Ped., L.Sc.Soc.
(French).
Baudry, Rev. R., LL.L. (French).
Sister Marie Jeanne d'Arc
(Maths.).

Brault, Rev. L. (Music).	Gauthier, A., D.Ped. (Supervision, Admin.).
Cassien, Rev. Br., B.Ped., M.A., Ph.L. (French).	Médéric, Rev. Br., B.A., B.Ed. (Language).
Chamard, Rev. M., B.A. (French).	Pellerin, Rev. A., S.Th.L. (Maths.).
Comeau, Violette, B.Ed. (English, Maths.).	Rose-Marie, Sister, B.A. (Latin).
Cormier, Rev. J. B., L.Sc. (Sciences).	Stanislas, Rev. Br., M.A., B.Ed. (Methodol.).
DeGrâce, J.-G., M.A. (Methodol.).	Vinette, R., D.Ped. (General Pedagogy).

AFFILIATED INSTITUTIONS

COLLÈGE NOTRE-DAME D'ACADIE, 343 Archibald St., Moncton, N.-B.

ASSUMPTION COLLEGE, 96 Ave. Norwood, Moncton, N.-B.

MOREAU SEMINARY, Saint Joseph, N.-B.

SAINT THOMAS SEMINARY, Saint Joseph, N.-B.

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: \$114. For board, residence, and tuition: \$350 plus. Degrees: \$5 to \$20.

RESIDENCE. Accommodation for 500 male students.

THE YEAR 1949-50

BENEFACTIONS. From diocesan campaign : \$50,000.00.

HONORARY DEGREES. *LL.D.*—Hon. A. E. Arsenault, former P.M. of Prince Edward Island ; Hon. Sen. T. J. Bourque. *Ph.D.*—Mgr. T. M. Nichol, Vicar-General, Vancouver, B.C. ; Hon. J. W. Brittain, Minister of Education, Saint John, N.-B. ; Dr. J. Antoine Cormier, D.D.S., Moncton, N.-B. *Litt.D.*—M. Émile Lauvrière, Paris, France. *M.A.*—Rev. N. Landry, pastor, Sainte-Marie, N.-B. ; Rev. H. F. Gillen, pastor, St. Stephen, N.-B. ; Rev. J. W. Crowley, Chipman, N.-B. ; Rev. A. Brideau, pastor, Grande-Digue, N.-B. ; J. T. Kilcourse, North Andover, Mass., U.S.A. ; Sister Rose-Marie, Campbellton, N.-B. *M.Sc.Com.*—E. T. LeBlanc, Moncton, N.-B. ; H. J. Soucy, Edmundston, N.-B. ; W. Albert, Moncton, N.-B. ; M. J. Légère, Caraquet, N.-B.

DEGREES. B.A., 41 ; B.Sc., 3 ; B.L., 3 ; B.Ped., 3 ; B.Sc.Com., 9.

STUDENTS. Total : 528, including High School students in the Academic and Commercial Depts. ; University Course : 234. Summer Courses : 256.

UNIVERSITY OF SASKATCHEWAN *

Founded 1907

Postal Address : Saskatoon, Saskatchewan, Canada.

Telephone : 10114.

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BURSAR—D. J. GRAHAM.

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TEACHING STAFF

Accounting

Thompson, J. H., M.B.A. Chic.,
B.Acc., F.C.A.

Prof. and Dean.

Goodspeed, Georgia, B.Acc.,
M.B.A. Chic. Assoc. 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. Chic.,
Ph.D. Lond. 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.

Woodford, V. R., B.S. Charleston,
M.Sc. McG. Asst. Prof.

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

Biology

Professors

Rawson, D. S., Ph.D. Tor.,
F.R.S.C.

Vanterpool, T. C., M.Sc. McG.

Saunders, L. G., M.Sc. McG., Ph.D.
Camb.

Rempel, J. G., Ph.D. Corn.,
M.Sc.

Associate Professors

Arnason, T. J., Ph.D. Wisc., M.Sc.

Coupland, R. T., B.S.A. Manit.,
Ph.D. Neb.

Chemistry

Spinks, J. W. T., B.Sc., Ph.D.
Lond., F.R.S.C. Prof.

Associate Professors

Van Cleave, A. B., Ph.D. McG.
and Camb., M.Sc.

McCallum, K. J., Ph.D. Col.,
M.Sc.

Spencer, E. Y., M.Sc. Alta., Ph.D.
Tor.

Pepper, J. M., M.A. Br. Col., Ph.D.
McG.

Assistant Professors

Eager, R. L., B.E., M.Sc. Sask.,
Ph.D. McG.

Trevoy, L. W., M.A. Sask., Ph.D.
Chic.

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., Ph.D.
Chic. Asst. Prof.

Drama

Jones, E. M., M.A. Alta. Prof.
Holroyd, F. Asst. Prof.

Economics

Professors

Britnell, G. E., M.A., Ph.D. Tor.,
B.A.

Fowke, V. C., Ph.D. Wash., M.A.

Associate Professors

Timlin, Mabel F., Ph.D. Wash.,
B.A.

Allely, J. S. M., B.A. Qu., A.M.
Harv.

Reid, A. N., M.A. Qu.

Assistant Professor

Burns, Rev. F. L., M.A. W. Ont.,
Ph.D. Mich.

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.
Associate Professors

Clark, Stanley, B.A., M.Ed.

Deverell, A. F., B.A., B.Ed. Alta.,
Ed.D. Stanford.

Langley, G. J., Ph.D. Col., B.A.,
M.Ed.

Assistant Professor

Rennie, R. A., B.A., B.Ed.

*Engineering, v. infra**English*

Professors

King, C. A., Ph.D. Tor.

McCourt, E. A., B.A. Alta., M.A.
Oxon.

Tracy, C. A., B.A. Tor., Ph.D.
Yale.

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Bentley, J. A., M.A. Dal., Ph.D.
Harv.

Blissett, W. F., B.A. Br. Col.,
M.A., Ph.D. Tor.

O'Donnell, Rev. J. L., M.A. Tor.

Assistant Professors

Smith, J. P., Ph.D. Calif., M.A.

Cherry, D. R., M.A.

French

Cameron, Margaret, M.A. McG.
and Rad., D. de l'U. Paris
Prof.

Mallon, Rev. J. P., M.A. Tor.,
D. del'U. Laval Assoc. Prof.
Bujila, Mrs. Bernadine, M.A. Col.,
Ph.D. Mich., B.A., B.Ed.
Assoc. 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.
Assoc. Prof.
Kupsch, W. O., M.Sc., Ph.D. Mich.
Asst. Prof.

German

Anstensen, A., M.B.E., M.A.,
Ph.D. Col. Prof.
Gunvaldsen, K. M., M.A., Ph.D.
Wisc. Assoc. 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.

Law

Cronkite, F. C., K.C., M.A., LL.B.
Harv., LL.D. Br. Col.
Prof. and Dean.
Whitmore, E. F., LL.B., K.C.
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. Gött.
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

Keeler, Hazel B., M.A. Col., B.A.
Prof. and Dir. of Nursing
Educn.

Pathology

Lindsay, W. S., O.B.E., B.A. Dal.,
M.B., Ch.B. Edin.
Prof. and Dean.
Moore, D. F., M.D., B.Sc. Tor. Prof.
Adams, J. W., M.D. Tor.
Asst. Prof.

Pharmacology

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D.Phil. Oxon. Assoc. Prof.

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B.S.P. Prof. and Dean.
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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. Assoc. Prof.
Kennedy, Rev. L. A., M.A. Tor.
Asst. Prof.

Physical Education

Assistant Professors
Neale, W. F., B.Ph.H.E. Tor.
Pyne, F. F., B.Ph.H.E. Tor.

Physics

Professors

Harrington, E. L., B.Sc. Miss.,
A.M. Harv., Ph.D. Chic.,
F.A.P.S., F.R.S.C.

Mackay, C. A., M.A. Dal., Ph.D.
Princet.

Currie, B. W., Ph.D. McG., M.Sc.,
F.R.S.C.

Haslam, R. N. H., Ph.D. McG.,
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Tech.

Petrie, W., B.A. Br. Col., Ph.D.
Harv.

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Ph.D. Tor.

Physiology

Jaques, L. B., M.A., Ph.D. Tor.
Prof.

Millar, G. J., B.A., Ph.D. Tor.
Assoc. Prof.

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Britnell, G. E., M.A., Ph.D. Tor.,
B.A. Prof.

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Ph.D. Tor. Assoc. Prof.

Burns, Rev. F. L., M.A. W. Ont.,
Ph.D. Mich. Asst. Prof.

Psychology

McMurray, G., M.A. Bishop's,
Ph.D. McG. Assoc. Prof.

Kennedy, Rev. L. A., M.A. Tor.
Asst. Prof.

Slavic Studies

Andrusyshen, C. H., M.A. Manit.,
Ph.D. Tor. Assoc. Prof.

Agriculture*Animal Husbandry*

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(Agr.) Edin. Prof.

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McG., Ph.D. Corn.

Assoc. Prof.

Bacteriology, Agric.

Graham, V. E., M.S., Ph.D. Wisc.,
B.S.A. Prof. and Dean

Dairying

Gibson, D. L., B.S.A. Manit.,
M.Sc., Ph.D. Minn. Prof.

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Ph.D. Corn. Assoc. Prof.

Field Husbandry

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B.S.A. Prof.

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Manit.

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Calif.

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Ph.D. Ill. Prof.

Mechanics, Agric.

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Asst. Prof.

Plant Ecology

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Ph.D. Neb. Assoc. Prof.

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Wisc. Prof.

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Assoc. Prof.

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Col. Assoc. Prof.

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Stilborn, A. A., B.A., B.S.A.,
B.Ed. Asst. Prof.

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Hardy, E. A., M.S. Ames Prof.
Symes, O. L., B.A., B.E.
Asst. Prof.

Civil E.

Spencer, R. A., M.C., M.Sc. McG.
Prof. and Dean.
Douglas, A. H., B.E. Prof.
Forsberg, C. R., M.Sc. 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. Assoc. Prof.
Ludwig, R. E., B.Sc. Manit.,
M.Sc. Purdue 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.
Assoc. Prof.

Kupsch, W. O., M.Sc., Ph.D.
Mich. 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., M.S. Ill., B.E.
Assoc. Prof.

Mantle, J. B., B.E., M.S. Ill.
Assoc. Prof.

Wedgwood, J. A., B.E. Asst. Prof.

Extension

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.
Assoc. Prof. and 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.

Pattillo, Margaret, B.Sc. Acad.
Asst. Prof.

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B.Sc., M.A.Sc.; Director of Correspondence Courses, D. D. Cameron, M.A.,
Ph.D.; Domestic Supt., Joan E. Warren, B.H.Sc.; Alumni Sec., F. Lovell,
B.Comm.

REGINA COLLEGE

Regina, Saskatchewan, Canada

DEAN—W. A. RIDDELL, B.A., B.Sc. Manit., Ph.D. Stanford, M.Sc.

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DIRECTOR OF FINE ARTS—K. C. LOCHHEAD.

Academic Dept.—*Art*, G. W. Snelgrove, M.A. Chic., Ph.D. Lond.
Biol., G. F. Ledingham, Ph.D. Wisc., M.Sc. *Chem.*, The Dean;
L. D. Hayward, Ph.D. McG., B.A. *Classics*, S. E. Stewart, M.A. Dal.

Econ., *English*, Lucy H. Murray, M.A. Tor., Ph.D. Chic., B.Ed.; L. G. Crossman, M.A. *French*, Margaret Belcher, M.A. Tor., B.A. *History*, W. R. Graham, B.A. Manit., M.A., Ph.D. Tor. *Maths.*, W. C. Blight, B.Sc. Manit. *Physics*, R. A. Douglas, M.A.

ST. THOMAS MORE COLLEGE

Saskatoon, Saskatchewan, Canada

Telephone : 6074.

Principal and Prof. of Philosophy—Rev. B. F. Sullivan, M.A. *Econ. and Pol. Sc.*, Rev. F. L. Burns, M.A. W. Ont., Ph.D. Mich., Asst. Prof. *English*, Rev. J. L. O'Donnell, M.A. W. Ont. *French*, Rev. P. Mallon, M.A. Tor., D. de l'Univ. Laval. *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. Bernadine Bujila, M.A. Col., Ph.D. Mich., B.Ed.

AFFILIATED COLLEGES, ETC.

EMMANUEL COLLEGE, Saskatoon, estabd. 1879 for training Anglican clergy. Courses for Testamur, Lic.Th., B.D. Principal, Rev. R. S. Dean, B.D., M.Th.

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 (B.D. and D.D.). 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 (B.D.). 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, Chiropody, Chiropractors, Embalming, Music.

LIBRARY, 116,000 vols. LABORATORIES: Chem., Phys., Biol., Bact., Anat., Physiol., Engin., Geol., Field Husbandry, Agric. Engin., Animal Diseases, Dairies, 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.Comm., 4 yrs.; combined B.A. and B.S.A., B.A. and LL.B., B.A. and B.E., 5 yrs.; B.S.N. (Nursing), 5 yrs.; B.Sc. (Med.), 5 yrs. This Univ. has the sole right to confer degrees (other than Theol.) in the Province.

HIGHER DEGREES. M.A., M.Sc., M.Ed.—examn. open to Bachelors of 1-yr. standing; Ph.D., minimum of 3 yrs. after B.A. (Hons.). Candidates must have taken some part of previous education at another Univ.

DIPLOMAS AND CERTIFICATES. A 1-yr. course in Arts, designed specially for Junior Colls., leads to the "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.

ADMISSION REQUIREMENTS. Agriculture, Arts and Science, Commerce, Education, Engineering, Household Science, Nursing, Pharmacy—Saskatchewan Grade XII (Senior Matriculation) or its equivalent in certain required subjects. Pharmacy also requires one-year apprenticeship. Law—one year pre-law in Arts and Science. Medicine—at least two years' pre-medical course in Arts and Science.

ALUMNI ASSOCIATION. The central office is located at the Univ. with branches of the Association in most of the large cities across Canada. Official publication, *The Green and White*, published four times a year, and also other information bulletins which are forwarded to all members.

JOINT SERVICES UNIVERSITY TRAINING. Training for officers for the Armed Forces is provided through the University Naval Training Division, the University Contingent of the Canadian Officers' Training Corps and the Royal Canadian Air Force (Auxiliary) University Flight.

FEES. Tuition p.a. for degree course in Agric., \$175; Engin., \$250; Comm., \$200; Educn., \$175; Pharm., \$225; Med., \$350; Arts and Sci.,

\$175 ; Graduate, \$175 ; 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., \$2000 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 \$600, Scholps. of the value of \$900, and Fellowships of the value of \$1200 to qualified grads. in Biol., Chem., Engin., Geol., Metall., Mineral., Physics and Maths. ; Agricultural Research Foundation Scholp., \$750 ; Benjamin J. Sanderson Fellowship (Econ.), \$1600, 2 yrs. Athlone Fellowships for graduates in Engin. ; Canadian Industries Ltd. Fellowship, \$750 plus \$250 for maintenance ; Anon. Scholps., \$500 each, one in Agric., one for a woman graduate ; Thorvaldson Scholp. valued at \$500 for students in Chem.

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 home-making. Also adult educn. courses and lecture courses at the Univ. for those not intending to read for a degree.

PUBLICATIONS. *Calendar* (April) ; *Agric. Bulletins* ; *Sheaf* (\$1.00 per yr.) ; *President's Report* ; *Greystone* (\$3.75 per yr.) ; *The Green and White*.

THE YEAR 1949-50

BENEFACTIONS. Anonymous Scholps., \$1000. Canadian Industries Ltd., \$1000. Consolidated Mining and Smelting Co. of Canada, \$1200. Hudson Bay Mining and Smelting Co., \$1700. Imperial Oil Ltd., \$1500. Mrs. P. E. McKenzie, \$1000. Benjamin J. Sanderson Fellowship, \$1600. Saskatchewan Teachers' Federation, \$1500. Imperial Order Daughters of the Empire, \$2900. Province of Saskatchewan Graduate Research Fellowships, \$3000. Saskatoon Unit, Canadian Cancer Soc., \$2000. Saskatchewan Wheat Pool, \$7500.

RETIREMENTS. S. Basterfield, Dean of Regina Coll. ; Miss K. W. Ellis, Dir. of Nursing Educn.

RESIGNATIONS. A. L. C. Atkinson, Prof. of Descriptive Geom. ; H. B. Collier, Prof. of Biochem. ; J. M. Lothian, Prof. of English ; R. E. Rees, Assoc. Prof. of Educn. ; B. Schachter, Assoc. Prof. of Biochem. ; E. R. Thackeray, Assoc. Prof. of Phys. ; G. Bessette, Asst. Prof. of French ; C. B. Bourne, Asst. Prof. of Law ; W. Graham, Asst. Prof. of Chem. Engin. ; A. G. Richards, Asst. Prof. of Bacteriol. ; E. G. Swenson, Asst. Prof. of Chem. at Regina Coll.

DEATHS. A. J. Pyke, Emeritus Prof. of Maths. ; W. W. Swanson, Emeritus Prof. of Economics.

HONORARY DEGREES. LL.D.—E. S. Archibald, Dir. of Dominion Experimental Farms, Ottawa ; N. H. Jacoby, Graduate of Univ. of Saskatchewan, Dean of Coll. of Business Admin., Univ. of California ; Mr. Justice H. Y. MacDonald, Court of Appeal, Regina, Sask., formerly Chairman of Board of Governors, Univ. of Saskatchewan ; T. Thorvaldson, Dean of Graduate Studies Emeritus, Univ. of Saskatchewan.

STUDENTS :

	<i>Part-Time</i>	<i>Full-Time</i>
Men		2649
Women		619
Total	5204	3268

Included in the above are 104 postgraduate students and 790 first-year admissions.

DEGREES. B.S.A., 107 ; B.A., 280 ; B.Comm., 71 ; B.Ed., 162 ; B.E., 216 ; B.H.Sc., 17 ; LL.B., 44 ; B.S.N., 8 ; B.S.P., 42 ; M.A., 13 ; M.Ed., 5 ; M.Sc., 23 ; LL.D., 4.

SIR GEORGE WILLIAMS COLLEGE

MONTREAL, QUEBEC

Founded 1929 ; Incorporated 1948

Postal Address : 1441 Drummond Street, Montreal 25, P.Q.

Telephone : MA 8331.

PRINCIPAL—KENNETH EVERETTE NORRIS, M.A., Ph.D. McG.

REGISTRAR—DOUGLASS BURNS CLARKE, M.A. McG., B.A.

BURSAR—HENRY GEORGE WORRELL, B.A.

DEAN—HENRY FOSS HALL, B.A. Eastern, L.R.E. Montreal Diocesan Theological Coll.

LIBRARIAN—MARGARET FLORENCE BROADHURST, B.A. Qu., B.L.S. McG.

TEACHING STAFF

Accountancy

Finnie, J. G., B.Sc.(Com.)

Asst. Prof.

Schaffelburg, B. S., B.Sc., M.Sc.
Acad.

Yates, C. H., B.Sc.

Lecturers

Atkinson, J. B.

Bloom, A., B.Sc.(Com.).

Brimacombe, L.

Hagerman, C. L., B.Com. Sask.

Harrison, R. P., B.Com. McG.

Kerr, S. A., B.Com. McG.

Koch, S. W.

Classics

Worsfold, H. H., B.A. Camb.,
M.A. McG. Assoc. Prof.

Commerce

Pugsley, P. T. Assoc. Prof.

Lecturers

Archer, J. B., B.A., B.Sc.(Com.).

Brown, L. J., M.A. Manit., F.S.A.

Campbell, T. D., B.Sc.(Com.)
Manit.

Chandler, H. W., B.Sc.(Com.).

Collard, E. G., B.A., B.C.L. McG.

Crawford, J.

Devlen, M. T., B.Com. Melb.

Johnstone, W. J., B.Com.

Ferguson, I. K., B.A. Tor.

Ferguson, J. R., B.Com., B.A.

Innes, D. W., B.Com.

MacLean, A.

Maurice, G. U., B.A. Ott., L.Sc.Soc.
Montr.

McCann, J. A.

Biology

Honeyman, J. M., B.A. McG.,
A.M. Harv. Assoc. Prof.

Peets, D. L., B.Sc. McG.

Asst. Prof.

Chemistry

Madras, S., B.Sc., Ph.D. McG.

Prof.

Ufford, J. R., B.Eng. McG.,
M.A.Sc. Tor. Asst. Prof.

Spracklin, B. G., B.A., B.Sc. Acad.
Asst. Prof.

Lecturers

Dick, J. G., B.Sc.

Kushnarov, H., B.Sc., M.Sc. Manit.

Massiah, T., B.Sc.

McLaughlin, C., B.A., M.Com.
Manit.

Metayer, T. J.

Mitchell, J.

Popp, Z. G., M.B.A. Chic.

Read, L. M., B.A., B.Sc.

Rowan, R.

Sarrasin, J. J.

Threlfall, M. S.

Todd, R. B., B.Eng. McG.

Walsh, A. A., B.A., B.C.L. McG.

Weldon, J. C., B.A. McG.

Draughting

Hutchison, W. L. Lectr.

Rossaert, F. E. Lectr.

Economics

Lermer, A., M.A. Tor. Prof.

Lecturers

Graham, C. R., B.Sc. Dal., M.A.
McG.

Halford, C. R., B.Com.

Wiseman, B.A. McG.

Education

Stabler, E., B.A. Qu., M.A. McG.
Lectr.

English

Wasserman, Mrs. R., M.A. McG.,
M.A. Rad., Ph.D. Corn.
Assoc. Prof.

Francis, Mrs. W. P., B.A.
Asst. Prof.

Waterston, Mrs. E., B.A. Tor.,
M.A. Bryn Mawr, Ph.D. Tor.
Asst. Prof.

Lecturers

Sokolyk, Mrs. D. M., B.A.

Briggs, Mrs. R., B.A. Sask.

Callan, R. F., M.A. Bishop's.

Hankinson, W. C., M.A. Acad.

Hogwood, G. E.

Kneeland, S. F., B.A. McG.

MacLean, Mrs. L. E., B.A. Tor.,
M.A. Smith.

Manson, N., B.A.

Masten, Margaret C., B.Sc. Boston.

McGill, D., B.A. Tor.

Miller, Mrs. A., M.A. Tor.

Rennie, L. C., B.Sc.

Smith, Ruth, B.A. Qu., N.C.

Stoeckel, R. W.

Fine Arts

Clarke, D. B., M.A. McG.

Assoc. Prof.

Lecturers

McCorkindale, J.

Wheeler, O., B.A. Bishop's.

Adams, K. E., B.Sc.

Allen, Mrs. T. S.

Holland, Miriam R.

Sherman, Mrs. L., M.A. N.Y.

French

Lecturers

Portier, J. M., M.A. McG.

Chodat, W. H.

Poulain, A., B.A. Paris, S.T.M.
U.T.S.

Geography

Sinclair, M. H., B.Sc. McG.

Lectr.

German

Flore, R. F., Mün. Asst. Prof.

History

Rothney, G. O., B.A. Bishop's,
M.A., Ph.D. Lond. Prof.

McCullough, E. E., B.A. Qu.
Lectr.

Humanities

Thompson, C. W., M.A. Oxon.

Prof.

Gore, N. N., M.A. Princet., Ph.D.
Edin. Lectr.

Mathematics

Smith, M. R., M.A. Edin.

Assoc. Prof.

Lecturers

Vowles, Edna, B.Sc. Brist.

Zweig, J. P., B.Sc., B.Sc.(Com.).

Deathe, E. W., B.A. Dal.

Mamelak, J., B.Sc., M.Sc. McG.,
Ph.D. Pitt.

Storr, E., B.A. Oxon.

Schwartz, H. H., B.Eng. McG.,
S.M. M.I.T.

Natural Sciences

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.

Schwisberg, Ethel E., B.A.
Lectr.

Physics

Macfarlane, J. T., B.A. McM.
Asst. Prof.

Lecturers

Dewdney, J. W., B.Sc. McM.

Petolas, J. P., B.Sc.

Stiles, R. D., B.Sc. N.S.T.C.

Turnbull, A. D., B.Sc. N.S.T.C.

Political Science

Quinn, H. F., B.A., M.A. McG.
Assoc. Prof.

Lecturers

Fraser, R. A., B.A.

Corbett, D. C., M.A. Tor.

Dubsky, J., D.L. Masaryk.

Schwartz, D., B.A. Qu., B.C.L.
McG., LL.M. Harv.

Plunkett, T., B.A.

Psychology

Bridges, J. W., B.A. McG., M.A.,
Ph.D. Harv. Prof.

Lecturers

Irvine, Mrs. L., M.A. McG.

Lambek, Mrs. H., B.A. McG.

Milner, Mrs. B., M.A. Camb.

Smith, D. D., B.A., M.A. McG.

Sofin, Mrs. R., M.A. McG.

Sociology

Potter, H. H., M.A. McG.
Asst. Prof.

Greene, Florence B., B.A. Tor.
Lectr.

Spanish

Ramsey, Mary P. Lectr.

Textiles

Fitton, C. F. Lectr.
Robinson, J. I. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar : R. A. Fraser, B.A. ; Asst. Dean : E. Stabler, B.A. Qu., M.A. McG. ; Student Counsellor : A. H. McFarlane, M.A. McG. ; Dir. of Athletics : H. G. McFarlane ; Supervisor of Records : Mona Osborne.

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 1950 some 1077 degrees had been presented. Throughout this period the College had been conducted under the terms of the charter of the Montreal Young Men's Christian Association (consolidation June 1888). In March 1948, however, the College was granted a specific charter by the Provincial Legislature, establishing it a body corporate and politic, for the purpose of conducting a College or University in the Province of Quebec. Its historic connexion with the Y.M.C.A. is preserved by by-law.

Similar courses are offered and the same standards are maintained in both day and evening divisions, although evening students are required to attend for a longer period to complete degree requirements.

FACULTIES. The facs. of Arts, Science, and Commerce are closely integrated under the general supervision of the Dean of the Coll. To ensure a broad general basis to the educational programme of each faculty, the work of the College as a whole is further organized in four divisions, each supervised by a Sr. Prof. : Natural Science Division—Sr. Professor S. Madras ; Social Science Division—Sr. Professor J. W. Bridges ; Humanities Division—Sr. Professor C. W. Thompson ; Commerce Division—Supervisor, Assoc. Prof. P. T. R. Pugsley.

ENTRANCE REQUIREMENTS. Satisfactory completion of a recognized secondary school programme ; all students must have completed secondary school English, and prospective science students must have completed elementary algebra and plane geometry. Standing must be sufficiently better than mere "pass" to indicate ability for college work. Occasionally, mature students who have not completed secondary school are admitted conditionally, provided that various tests administered by the Coll. indicate that there is likelihood of their being able to follow college studies satisfactorily.

DEGREES AND DEGREE COURSES. 4 yrs. B.A., B.Sc., B.Com. (longer in the evening courses). No higher degrees are awarded. Attendance at lectures is required for all programmes.

DIPLOMAS. 2 yrs. Assoc. Arts, Assoc. Sc., Assoc. Com. (longer in the evening division). 4-yr. course for Dip. in Association Sc. for professional Y.M.C.A. Secretaryship.

FEES. Annually for tuition—Day Division : \$200 ; plus \$15 lab. fee for each course involving lab. work, \$15 student society fee. Evening Division : \$36 for each 8-month subject, \$18 for each 4-month subject, plus \$10 lab. fee for each course involving lab. work, and \$5 student society fee.

USUAL LANGUAGE OF INSTRUCTION. All courses, except language courses, are offered in the English language.

PARTIAL STUDENTS. Non-matriculated students are admitted to evening courses for partial programmes, provided that their background is such that they may follow the courses desired.

VACATION COURSE. A summer session is offered each year in the evening division only, from June 1 to the middle of Sept.

PLACEMENT SERVICE. Placement service for students and graduates offered by the Student Guidance Office in conjunction with National Employment Service.

LIBRARY. 21,846 vols. Open shelf system.

LABORATORIES. Biol., Chem., Electricity and Physics.

RESIDENCE. Men students may reside in the Y.M.C.A. dormitories which occupy space in one of the buildings used by the Coll.

MILITARY TRAINING. College Contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve), and R.C.A.F. Radar and Communications (Reserve).

STUDENT ATHLETIC FACILITIES. Gymnasium and swimming pool.

PUBLICATIONS. *Calendar* (July) ; *The Georgian* (students' weekly newspaper) ; *The Yearbook* (graduating class annual) ; *The Post-Grad* (quarterly of Alumni Assoc.) ; *Georgian Faculty Review* (pub. quarterly by Faculty).

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2302	651
Women	732	132
Total	3034	783

DEGREES. B.A., 109 ; B.Sc., 69 ; B.Com., 78.

DIPLOMAS. Association Science, 2 ; Assoc. in Arts, 27 ; Assoc. in Sc., 14 ; Assoc. in Com., 16.

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.

Telephone (Registrar's Office) : MI 6347.

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., F.R.S.C.

REGISTRAR—J. C. EVANS, B.A.

COMPTROLLER—R. E. SPENCE, B.A.

BURSAR AND SECRETARY TO THE BOARD OF GOVERNORS—C. E. HIGGIN-
BOTTOM, 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—R. J. GILLEY, B.A.Sc.

WARDEN OF HART HOUSE—N. IGNATIEFF, M.B.E., B.Sc.

DIRECTOR OF UNIVERSITY HEALTH SERVICE—G. E. WODEHOUSE, M.C.,
M.D., F.R.C.P.

ASSISTANT DIRECTOR OF UNIVERSITY HEALTH SERVICE (WOMEN)—
FRANCES H. STEWART, B.A., M.D.

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 Brown, G. G., M.A., Ph.D.

Anthropology Assoc. Prof.

McIlwraith, T. F., M.A. Camb., Carpenter, E. S., Ph.D. Penn.

F.R.S.C. Hd. of Dept. and Prof. Asst. Prof.

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

Emerson, J. N., M.A.
1 Instr., 2 Assts.

Lectr.

Lecturers
Northcott, Ruth J., M.A.
Baglow, R. L., M.A. Camb.

Archæology, v. Art and Archæology

Biology, v. Zoology

Architecture, v. infra

Botany

Art and Archæology

Brieger, P. H., Ph.D. Breslau
Hd. of Dept. and Prof.

Associate Professors

Comfort, C. F.

Brett, G., M.C., M.A. Oxon.

Graham, J. W., M.A. Acad.,
Ph.D. Johns H.

Assistant Professor

Vickers, G. S., B.A. McM., A.M.
Harv.

Special Lecturers

Baldwin, L. C. M., B.A.Sc.

Brett, Mrs. Katharine B.

Fernald, Helen E., A.B. Mt.
Holyoke.

Hall, J. A.

Haworth, P., D.F.C.

Key, S. J., M.A.

Needler, Winifred E., B.A.

Spendlove, F. St. G., Dip.Arch.
Lond., F.R.S.A.

Williams, Rev. R. J., Ph.D. Chic.,
M.A., B.D.

2 Instrs., 1 Asst., 1 Reader.

Astronomy

Heard, J. F., B.A. W. Ont., M.A.
McG., Ph.D. McG. and Lond.

Acting Hd. of Dept.,

Assoc. Professor and

Acting Dir. of Observ.

Assistant Professors

Williamson, R. E., A.M., Ph.D.
Chic.

Hogg, Mrs. Helen B. S., A.B. Mt.
Holyoke, A.M., Ph.D. Rad.,
F.R.S.C.

Jackson, H. S., B.A. 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

Lehmann, A. J. V., M.Sc. Alta.

Hamly, D. H., M.A., Ph.D.

Bannan, M. W., B.A., Ph.D.

Forward, Dorothy F., Ph.D. Tor.
and Camb., M.A.

Soper, J. H., M.A. McM., Ph.D.
Harv.

Bier, J. E., B.Sc.F., M.A., Ph.D.

Cain, R. F., M.A., Ph.D.

Rothfels, K. H., B.A., Ph.D.

Lecturers

Dearden, Elizabeth R., B.A.

Hull, Kathleen L., M.A. McM.,
Ph.D. Chic.

15 Demrs.

*Chemistry, v. also Appl. Sci. and
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.

Rogers, L. J., B.A.Sc., M.A. Prof.

Beamish, F. E., M.A. McM. Prof.

LeRoy, D. J., M.A., Ph.D.
F.R.S.C. Prof.

Associate Professors

Lorriman, F. R., B.E.M., M.A.,
Ph.D.

Wetmore, F. E. W., B.Sc. New Br.,
M.A., Ph.D.

McIntosh, R. L., M.B.E., B.A.,
M.Sc. Dal., Ph.D. McG.,
F.R.S.C.

Assistant Professors

Rae, J. J., B.A. McM., M.A., Ph.D.,
F.C.I.C.

McBryde, W. A. E., Ph.D. Vir-
ginia, M.A.

McCasland, G. E., A.B. Cal., A.M.
Col., Ph.D. Cal. Tech.

Lister, M. W., M.A., D.Phil. Oxon.

Eastcott, Edna V., M.A., Ph.D.
Lectr.

25 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. (Greek)
Prof. (C.).

Assistant Professors (C.)

Bagnani, G., D.Litt. Rome (G. and
R. Hist.).

Wallace, W. P., B.A. Oxon., Ph.D.
Johns H., B.A. (Anc. Hist.).

Woodbury, L. E., B.A. Manit.,
A.M., Ph.D. Harv.

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.
Chairman of Dept.

(Latin) Prof.

Robertson, H. G., Ph.D. Chic.,
B.A. (Greek) Prof. (V.).

Woodside, M. St.A., B.A. Tor.,
M.A. Oxon. (Anc. Hist.)

Prof. (V.).

Robson, D. O., M.A., Ph.D.

(Latin) Assoc. Prof. (V.).

Keyes, G. L., Ph.D. Princet., M.A.
Asst. Prof. (V.).

Grant, J. R., A.M., Ph.D. Harv.,
B.A. Asst. Prof. (V.).

Grube, G. M. A., M.A. Camb.
Hd. of Dept. and Prof. (T.).

Adams, S. M., M.A. (Greek)
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.).

Philip, J. A., D.Litt. Florence,
B.A. Lectr. (T.).

O'Toole, Rev. W. B., M.A.
Hd. of Dept. and Latin
Prof. (M.).

Muckle, Rev. J. T., M.A. Cath. U.
Amer., Litt.D. W. Ont.,
F.R.S.C. Prof. (M.).

Kennedy, Rev. V. L., L. ès L.
Stras., Arch.D. Rome, M.A.

Prof. (M.).

O'Donnell, Rev. J. R., M.A., Ph.D.
Prof.

Associate Professors (M.)

St. John, Sister M., M.A.

St. Stanislaus, Sister M., M.A.

Wey, Rev. J. C., M.A.

Lecturers (M.)

Blandina, Sister M., M.A.

Sheridan, Rev. J., M.A., Ph.D.

McNeil, Rev. D. J. J., M.A.

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. Holy-
oke 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.
Hd. of Dept. and Prof.
(C.).

Knox, R. S., M.A. Aberd., B.A.
Oxon. Prof. (C.).

Endicott, N. J., B.Litt. Oxon.,
B.A. Oxon. and Tor.
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.).

Priestley, F. E. L., M.A. Alta.,
Ph.D. Assoc. Prof. (C.).

Grant, W. D. B., M.A., D.Phil.
Oxon. Assoc. Prof. (C.).

Bissell, C. T., Ph.D. Corn., M.A.
Assoc. Prof. (C.).

Dunn, C. W., B.A. McM., A.M.,
Ph.D. Harv. Asst. Prof.
Lecturers (C.)

McDougall, R. L., B.A., Br. Col.,
M.A.

Rhodes, E., M.A. Lond.

Knowland, A. S., M.A. Oxon.

Robins, J. D., Ph.D. Chic., M.A.
Hd. of Dept. and 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
Prof. (V.).

Coburn, Kathleen H., B.Litt.
Oxon., M.A.
Assoc. Prof. (V.).

Jenking, Ruth I., M.A.
Asst. Prof.

Lecturers (V.)

Hoeniger, F. D., M.A.

Love, C. C., M.A. Camb., Ph.D.

Rooke, Barbara E., M.A. Qu.,
Ph.D. Lond.

Barker, A. E., Ph.D. Lond., M.A.
Hd. of Dept. and 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.
Assoc. Prof. (T.).

Wilson, M. T., M.A. Lectr. (T.).

Shook, Rev. L. K., M.A. Tor. and
Harv., Ph.D. Harv.

Hd. of Dept., Prof. (M.).

McCorkell, Very Rev. E. J., M.A.
Cath. U. Amer., LL.D. Ott.,
B.A. Prof. (M.).

McLuhan, H. M., M.A. Manit.
and Camb., Ph.D. Camb.
Prof. (M.).

Lecturers (M.)

Dominica, Sister M., M.A.

St. Francis, Sister M., M.A.

Dorsey, Rev. J., M.A. Cath. U.
Amer., B.A.

Mallon, Rev. H. V., M.A.

Boniface, Sister, M., B.A.

11 Teaching Fellows (C.) and 2
(T.), 3 Instrs. (C.), and 1 Instr.
(V.), 2 Readers (V.).

Fine Art, v. Art

Food Chemistry

Smith, M. Doreen, M.A., Ph.D.
Assoc. Prof.

Walker, E. Isabel, M.A. Asst. Prof.

Butterfield, Mrs. Jean R., M.A.
Lectr.

2 Instrs., 1 Asst., 1 Demr.

Forestry

Sisam, J. W. B., B.Sc.F. New Br.,
M.F. Yale Dean and Prof.

Dwight, T. W., M.F. Yale, B.Sc.F.
Prof.

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. Hicks, R. K., B.A. Camb., A.M.
2 Instrs. Harv. Prof. (T.).
- French*
Jeanneret, F. C. A., D. ès L. Laval,
B.A., O.A. Assoc. Prof. (T.).
Hd. of Dept. and Prof.
(C.).
Rouillard, C. D., A.B. Bowd.,
A.M., Ph.D. Harv. Prof. (C.).
Humphreys, H. L., B.A. Mich.,
M.A. Princet., Ph.D. Col.
Prof. (C.).
McAndrew, W. J., M.A.
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.).
Hayne, D. M., M.A., Ph.D. Ott.,
B.A. Asst. Prof.
Lecturers (C.)
Balthazard, Isabelle G., M.A.,
O.A.
MacDonald, Marguerite D., Dip.
de l'U. Paris.
Parsons, C. R., M.A. McG.
Sanouillet, M., L. ès L., Dip. d'E.S.
Paris.
Trethewey, W. H., Ph.D. Chic.,
M.A. Prof. (V.).
Wood, J. S., B.A. Lond., M.A.
Birm., D. de l'U. Paris
Chairman of Dept. and
Assoc. Prof.
Hare, F. A., M.A. Assoc. Prof. (V.).
Riese, Laure, Dip. d'E. Sup.
Neuchâtel, M.A., Ph.D.
Asst. Prof. (V.).
Laidlaw, G. N., B.A. Mt. A., M.A.
Oxon., F.R.S.A. Asst. Prof.
Cook, Alta L., B.A. Asst. Prof.
Lecturers (V.)
de Montmollin, D. P., L. ès L.
Neuchâtel.
Ross, A. C. M., M.A. McM.
Rogers, W. S., M.A. Col., B.A.
Actg. Hd. of the Dept.,
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.
Hd. of Dept. and Prof.
(M.).
Denomy, Rev. A. J., B.A. W. Ont.,
Ph.D. Harv., M.A. Harv. and
Tor., F.R.S.C. Prof. (M.).
Bernard, Sister M., M.A.
Assoc. Prof.
Klem, Rev. L. J., M.A., Ph.D.
Laval Assoc. Prof.
Olga, Sister M., M.A. Assoc. Prof.
Lecturers
Marie-Thérèse, Sister, M.A., Ph.D.
St.-Magdalen, Sister M., M.A.
Lajeunesse, Rev. E. J., B.A. West.,
M.A.
Donovan, Rev. R. B., M.A.
2 Teaching Fellows (C.), 1 Instr.
(C.), 1 Fellow (V.), 1 Oral
Instr. (V.).
- Genetics*, v. Zoology
- Geography*
Taylor, Griffith, B.A. Camb., B.E.,
D.Sc. Syd., F.R.S.C.
Hd. of Dept. and Prof.
Associate Professors
Tatham, G., M.A. Liv., Ph.D.
Clark.
Putnam, D. F., B.S.A., Ph.D.
Lecturers
Kerr, D. P., B.A. Br. Col., M.A.
Spelt, J., M.A. Wisc., drs. Utrecht.
Wonders, W. C., M.A. Syracuse,
B.A.
Kling, S., M.A.
Shindman, B., B.A.
Grobecki, G. A. Sp. Lectr.
3 Teaching Fellows, 1 Carto-
grapher, 4 Assts.

Geological Sciences

- Langford, G. B., Ph.D. Corn.,
B.A.Sc., F.R.S.C. (Mining
Geol.) Hd. of Dept. and Prof.
MacLean, A., B.A. (Geol.) Prof.
Associate Professors
Fritz, Madeleine A., B.A. McG.,
M.A., Ph.D., F.R.S.C. (Palæ-
ontol.).
Assistant Professors
Moorhouse, W. W., Ph.D. Col.,
M.A. (Geol.).
Meen, V. B., M.A., Ph.D. (Miner-
alogy).
Smith, F. G., M.Sc. Manit., Ph.D.
Nuffield, E. W., B.A. Br. Col.,
Ph.D.
Lecturers
Tovell, W. M., M.S. Cal. Tech.,
B.A.
Beales, F. W., M.A. Camb.
Sp. Lectr.
16 Assts., 2 Instrs.

Geophysics

- Wilson, J. T., O.B.E., B.A. Tor.,
M.A. Camb., Ph.D. Princet.,
F.R.S.C. Prof.
Garland, G. D., B.A.Sc., M.A.
Lectr.

German

- Fairley, Barker, M.A., Litt.D.
Leeds, Ph.D. Jena, F.R.S.C.
Hd. of Dept. and Prof.
(C.).
Boeschenstein, H., Ph.D. Rostock
Prof. (C.).
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.
Hd. of Dept. and Prof.
(V.).

- Arnold, R. K., Ph.D. Prague
Assoc. Prof. (V.).
Field, G. W., M.A., Ph.D.
Asst. Prof. (V.).
Lewis, C., M.A. Oxon.
Hd. of Dept. and Prof.
(T.).
Joyce, D. A., B.A. McG., A.M.
Harv. Lectr.
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., Ph.D.
Harv., B.A. Asst. Prof.
Lecturers
Conacher, J. B., M.A. Qu., Ph.D.
Harv.
Paterson, G. C., M.A.
Powicke, M. R., M.A. Oxon.
Craig, G. M., Ph.D. Minn.
Albright, Margaret, B.A.
Bennett, G., M.A. Oxon.
Nelson, H. I., M.A. Corn., B.A.
Moudry, V., D.Jur. Prague.
Spencer, R. A., B.A. McG., D.Phil.
Oxon., M.A.
4 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.
McKellar, Margaret R., M.A.
Smith, Mrs. Enid H., M.S. Col.,
B.A.
Dix, D. Jean, B.H.Sc. Sask.
3 Assts., 1 Research Asst., 3
Instrs.

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.

Parker, J. H., M.A., Ph.D.
Asst. Prof.

Lecturers

Corrigan, Beatrice M., M.A., Ph.D.
Tayler, N. H., M.A., Ph.D.
Molinaro, J. A., M.A.
Dawson, T. L. C., M.A.
Barclay, T. B., M.A.
Levy, M. A.
Leo, U., Ph.D. Gött. Sp. Lectr.
3 Instrs., 1 Teaching Fellow, 1
Asst.

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.

Friedmann, W. G., LL.D. Lond.,
Dr. Jur. Berl., LL.M. Melb.

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., D. Jur. Asst. Prof.
Milner, J. B., LL.B. Dal., LL.M.
Harv. Asst. Prof.

Special Lecturers

Smith, S. E., K.C., M.A. King's,
LL.B. Dal., LL.D. Qu.,
Manit., Ott., Laval, Dal.,
Camb., D.C.L. Acad., King's,
Bishops, Mt. All., McG.,
F.R.S.C.

Dubin, C. L., B.A.

Grossberg, B., K.C.

McLean, W. E., B.A., LL.B.
Manit.

Maloney, A. E. M., B.A.

13 Demrs., 4 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.

Coxeter, H. S. M., B.A., Ph.D.
Camb., F.R.S., F.R.S.C.

Sheppard, N. E., M.A., F.I.A.

Associate Professors

Robinson, D. A. F., Ph.D. Chic.,
M.A.

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.

Krieger, C. Cecilia, M.A., Ph.D.

Baillie, D. C., M.A.

Fraser, D. A. S., A.M., Ph.D.
Princet., M.A.

Crosby, W. J. R., M.A., Ph.D.

Lecturers

Tutte, W. T., M.A., M.Sc., Ph.D.
Camb.

Coleman, A. J., M.A. Princet.,
B.A., Ph.D.

Stanton, R. G., B.A. West., M.A.,
Ph.D.

Stekettee, J. A., Wi Delft Technical
Univ.

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.

5 Teaching Fellows, 2 Assts., 1
Instr.

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

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 H.,
M.A.

Dryer, D. P., A.M. Harv.

Lecturers

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.

Sparshott, F. E., M.A. Oxon.

Irving, J. A., M.A. Tor. and
Camb.

Chairman of Dept. and
Prof. (V.).

Leslie, Rev. C. W., Ph.D. Harv.,
B.D., M.A. Prof. (V.).

Macpherson, Jessie, M.A., Ph.D.
Lectr. (V.).

Edison, G., M.A. Col., Ph.D.
Actg. Hd. of Dept. and
Prof. (T.).

Owen, Rev. D. R. G., M.A. Oxon.,
B.A., Ph.D. Assoc. Prof. (T.).

Fairweather, Rev. E. R., Th.D.
U.T.S., M.A., B.D.

Assoc. Prof.

Kelly, Rev. J. M., M.A., Ph.D.
Hd. of Dept., Prof. (M.).

Gilson, E., D. ès L. Paris, LL.D.
Aberd., Harv., and St. And.,

Ph.D. Montr., Rome, and
Milan, D.Litt. Oxon.

Prof. (M.).

Dore, Rev. J. W., Ph.D. Ott.,
B.Pæd., M.A. Prof. (M.).

Pegis, A. C., M.A. Marq., Ph.D.,
F.R.S.C.

President Inst. Med. Stud.
and Prof. (M.).

Eschmann, Rev. I. T., Ph.D.,
S.T.D. Rome Prof. (M.).

Brezik, Rev. V. B., M.A., L.M.S.,
Ph.D. Assoc. Prof. (M.).

Lynch, L. E. M., M.A., L.M.S.,
Ph.D. 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.
Maurer, Rev. A. A. A., M.A., Ph.D.
Sullivan, Rev. E. J. J., M.A.
Corrigan, Rev. J. V., B.A.
3 Assts.

Physics

Watson, W. H., M.A., Ph.D.
Edin., Ph.D. Camb., F.R.S.C.
Prof. and Hd. of Dept.
Ireton, H. J. C., M.A., Ph.D. Prof.
Crawford, M. F., B.A. W. Ont.,
M.A., Ph.D., F.R.S.C. Prof.

Associate Professors

Ainslie, D. S., M.A., Ph.D.
Barnes, C., M.Sc. Leeds, Ph.D.
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.
Gotlieb, C. C., M.A., Ph.D.
Scott, G. D., M.A., Ph.D.
Ivey, D. G., M.A. Br. Col., Ph.D.
Notre-Dame.
Preston, M. A., Ph.D. Birm., M.A.
Hume, J. N. P., M.A., Ph.D.

Lecturers

Anderson, D. V., M.A.
Love, H. M., B.Sc., Ph.D. Belf.

Special Lecturers

Thomson, A., O.B.E., M.A.,
F.R.S.C.
Wilhelm, J. O., O.B.E., B.Sc.
Sask., M.A.
20 Demrs., 1 Instr.

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. Business Ad-
ministration.

Brady, A., B.A. Tor. and Oxon.,
M.A., Ph.D., F.R.S.C.
Dawson, R. MacG., M.A. Dal.,
A.M. Harv., D.Sc. Lond.,
F.R.S.C.
Elliott, G. A., M.A. Manit.,
F.R.S.C.
Logan, H. A., B.A. Acad., 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.
Currie, A. W., B.A., B.Com. Qu.,
D.Com.Sci. Harv.
Easterbrook, W. T., B.A. Manit.,
M.A., Ph.D.
Hennessey, S. G., B.Com.
MacGregor, D. C., B.A.
Morgan, L. T., B.A. Br. Col., M.A.,
Ph.D. Calif.
Seeley, J. R., A.B. Chic.

Assistant Professors

Helleiner, K. F. M., Ph.D. Vienna.
Macpherson, C. B., M.Sc. (Econ.)
Lond., B.A.
Beard, F. N., B.Com.
Hood, W. C., B.A. Mt. All., M.A.,
Ph.D.
Sim, R. A., M.A. Col.

Lecturers

Chinoy, E., B.A. Newark.
 Fleming, R. H., B.Com.
 Giffen, P. J., M.A.
 Sutherland, R. J., B.Com., M.A.
 Wallace, Mary E., B.A. Oxon. and
 Tor.
 Kemp, Margaret A., B.A. Camb.
 and Tor.
 Burnet, Jean R., Ph.D. Chic.,
 M.A.
 McRae, K. D., A.M. Harv.
 Thompson, R. W., M.A. Qu.
 5 Instrs., 12 Teaching Fellows, 6
 Assts.

*Portuguese, v. Italian**Psychology***Professors**

Bott, E. A., O.B.E., B.A.
 Hd. of Dept.
 Blatz, W. E., Ph.D. Chic., M.A.,
 M.B.
 Dir. Inst. Child Study.
 Bernhardt, K. S., Ph.D. Chic.,
 M.A.
 Line, W., O.B.E., B.Sc. Mt. A.,
 M.A., M.Ed. Alta., Ph.D.
 Lond.
 Myers, C. R., M.A., Ph.D.
 Williams, D. C., B.A. Manit., M.A.,
 Ph.D.
 Ketchum, J. D., M.A.
 Associate Professor
 Bovard, E. W., M.A. Col., Ph.D.
 Mich.
 Assistant Professor
 Shephard, A. H., M.A., Ph.D.
 Iowa.
Lecturers
 Steer, H. O., M.A.
 Wright, M. W., B.A. Manit., M.A.
 1 Demr., 1 Teaching Fellow, 28
 Assts., 2 Sp. Assts., 3 Instrs.

Religious Knowledge, v. infra,
Federated Colls.*Russian, v. Slavic Studies**Slavic Studies*

Shore, B. E., B.A. McM., A.M.
 Harv.

Chairman of Dept. and
 Asst. Prof.

Lecturers

Kulikovsky, G. N.
 Genyk-Berezowski, J., M.A. Cra-
 cow, Ph.D. Graz.
 Litwinowicz, W., M.A. Warsaw,
 Dr.Litt. Rome Sp. Lectr.

Social Science, v. Pol. Econ. and
 School of Social Work

*Spanish, v. Italian**Zoology***Professors**

Dymond, J. R., O.B.E., M.A.,
 F.R.S.C. (Syst. Zool.)
 Hd. of Dept.
 Huntsman, A. G., B.A., M.D.,
 F.R.S.C. (Marine Biol.).
 Coventry, A. F., B.A. Oxon. (Vert.
 Embry.).
 Baillie, W. H. T., M.A., M.D.
 (Mamm. Anat.).
 Craigie, E. H., B.A., Ph.D.,
 F.R.S.C. (Comp. Anat. and
 Neur.).

Associate Professors

Walker, Mrs. Norma Ford, B.A.,
 Ph.D. (Human Biol.).
 Fisher, K. C., B.A. Acad., M.A.,
 Ph.D., F.R.S.C.
 Fry, F. E. J., M.B.E., M.A., Ph.D.,
 F.R.S.C. (Limnology).
 Ide, F. P., M.A., Ph.D.

Assistant Professors

Langford, R. R., B.Sc. Sask.,
 Ph.D.
 Atwood, C. E., B.S.A. McG.,
 M.S.A., Ph.D.
 (Forest Entomol.).
 Butler, L., M.S.A., Ph.D.
 (Genetics).
 Engelbert, Miss Vibeke E., M.S.A.,
 Ph.D. (Histol.).

Urquhart, F. A., M.A., Ph.D.

Lecturers

Neal, G. M., M.A. Br. Col.

Lennox, Mrs. Lennora M., B.Sc.
Alta.

Sullivan, Charlotte M., B.Sc.,
M.Sc. Dal., Ph.D.

12 Demrs., 7 Assts.

Applied Science and Engineering

Tupper, K. F., O.B.E., S.M. Mich.,
B.A.Sc. Dean.

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.

Allan, D. G., S.M. M.I.T., B.A.Sc.
Lectr.

Special Lecturers

Czerwinski, W., Dip. Eng. Pol.
Lwow.

Hiscocks, R. D., B.A.Sc.

Jackson, W. H., B.A.Sc.

McIntyre, R. B., B.A. Camb.,
B.A.Sc.

3 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.
Associate Professors

Macdonald, W. C., M.A.Sc.

Breckenridge, J. G., Ph.D. Camb.,
B.A.Sc.

Assistant Professors

Minard, G. W., B.Sc. Armour Inst.,
Ph.D., M.Sc. Ohio State.

Brockett, C. P., B.Sc. M.I.T.

MacElhinney, W. G., M.A.Sc.

Graydon, W. F., Ph.D. Minn.,
M.A.Sc.

Husband, R. M., B.E. Sask.,
Ph.D. McG., B.A.

Lecturers

Fraser, J. G., B.Sc. Mt. All.

Sandler, S., M.A.Sc.

12 Instrs., 22 Demrs., 1 Asst.

Civil E., Municipal and Struct.

Loudon, T. R., V.D., B.A.Sc.

Hd. of Dept. and Prof.

Associate Professors

Morrison, C. F., B.E. Sask., M.Sc.
McG.

Sagar, W. L., B.A.Sc., C.E.

Assistant Professors

Helwig, C. E., M.A.Sc.

Huggins, M. W., M.A.Sc.

Special Lecturers

Berry, A. E., M.A.Sc., C.E., Ph.D.

Cleverdon, R. K., M.A.Sc.

Davidson, A. C., B.Sc. Manit.,
M.A.Sc.

Dillane, C. W., B.A.Sc.

Hershfield, C., B.Sc. Manit.,
M.A.Sc.

Storrie, W.

Walkinshaw, W. M., M.A.Sc.

13 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.

Prof.

Assistant Professors

Macklin, H. L., B.A.Sc.

Rowe, T. L. F.

Lecturers

Carr, W. H., B.A.Sc.

Haynes, B. J., B.A.Sc.

4 Instrs.

Electrical E.

Professors

Tracy, G. F., S.M. M.I.T., B.A.Sc.

Hd. of Dept.

Bayly, B. de F., O.B.E., B.A.Sc.

Smith, V. G., B.A.Sc.

Associate Professors

Cass-Beggs, D. N., B.Sc.Tech.
Manc.

Reid, J. E., B.A.Sc.

Sinclair, G., Ph.D. Ohio State.

Assistant Professors

Lauchland, L. S., M.A.Sc.

Scott, R., S.M. M.I.T., B.A.Sc.

Lecturers

Courtice, H. A., B.A.Sc.

Doeringer, C. E., M.B.E., B.A.Sc.

Kravetz, A. J., B.Sc. Alta.,
M.A.Sc.

Philp, H. F., B.A.Sc.

4 Instrs., 15 Demrs., 4 Readers.

Engineering Drawing

Wright, W. J. T., M.B.E., B.A.Sc.,
B.A. (Eng. Drawing)

Hd. of Dept., Prof.

Dunbar, W. B., B.A.Sc.

Assoc. Prof.

Wardell, A., B.A.Sc. Assoc. Prof.

Jermyn, P. V., B.A.Sc. Asst. Prof.

Special Lecturers

Haehnel, W. F., B.A.Sc., Mus.Bac.

Wrenshall, C. A., B.E. Sask.

12 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.

Associate Professors

Lord, G. R., S.M. M.I.T., B.A.Sc.,
Ph.D.

Wiren, R. C., B.A.Sc.

Assistant Professors

Ewens, F. G., M.A.Sc.

Jones, L. E., B.Sc., C.E. Manit.,
M.A.Sc., Ph.D.

Smith, I. W., B.A.Sc.

Hughes, P. B., B.Sc. McG.

Olive, C. E., B.Sc. Lond.

Wallace, W. A., B.A.Sc.

Lecturers

Huber, D. G., M.A.Sc.

McFarlane, H. M., B.Sc. Qu.,
M.A.Sc.

Waines, R. T., B.A.Sc.

Thompson, W. T., B.A.Sc.

Church, J. W., B.Sc. Qu.

Hooper, F. C., B.A.Sc.

Morley, W. E., M.Sc. Cal. Tech.,
B.A.Sc.

Special Lecturers

Wood, A. J., B.Sc. Lond.

Cavanagh, J. R., B.A.Sc.

King, R. O., M.A.Sc. McG.

Hon. Lectr.

5 Instrs., 21 Demrs.

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.

Ross, H. U., B.Eng., M.Sc. McG.

Asst. Prof.

Thall, E., B.A.Sc.

Lectr.

7 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.

6 Demrs.

Physics, Applied

Jackson, K. B., B.A.Sc.

Hd. of Dept. and Prof.

Assistant Professors

Henderson, V. L., A.M. Mich.,
B.A.Sc.

Dodington, E. L., B.A.Sc.

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.
8 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., F.R.S.A. Prof.
Assistant Professors
Carswell, W. E., B.Arch.
Barker, R. J. K., B.Arch.
Raymore, W. G., B.Arch.
Murray, J. A., B.Arch.
Adamson, A. P. C., M.A. Camb.
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. Berl.,
Arch. Sweden.
Englesmith, G., B.Arch. Liv.
Elken, A., Dip. Eng. Arch. Munich,
Helsinki.
Hassig, G., Dip. Tech. Winterthur.
4 Instrs.

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 Material and Technology
Fletcher, J. R., D.D.S.

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.
Hd. of Dept., Assoc. Prof.

Dental Surgery and Anæsthesia

Johnson, J. H., D.D.S. Prof.
Associate Professors
Tanner, D. M., M.B.E., D.D.S.,
B.Sc. (Dent.).
Gray, Jessie C., M.D., M.S.,
F.R.C.S.Can.
Special Lecturers
Gordon, S. D., M.B., M.S.,
F.R.C.S.Can., F.A.C.S.
Ireland, P. E., M.D.
Botterell, E. H., O.B.E., M.D.
Manit., M.S., F.R.C.S.Can.
Ash, C. L., B.Sc. Alta., M.D.,
D.Rad.
Tanner, D. M., M.B.E., D.D.S.,
B.Sc. (Dent.).

Medicine

Graham, J. W., M.D., D.D.S.,
F.R.C.P.Can. Assoc. Prof.

Operative Dentistry

Ellis, R. G., B.D.S. Adel., D.D.S.,
M.Sc. (Dent.), F.D.S.R.C.S.
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

Nikiforuk, G., M.Sc. Ill, D.D.S. Assoc. Prof.

MacGregor, S. A., D.D.S. Asst. Prof.

Periodontology

Box, H. K., D.D.S., Ph.D., F.D.S. Research Prof.

Williams, C. H. M., D.D.S., B.Sc. (Dent.)

Assoc. Prof. (Pt.-time).

McIntosh, W. G., D.D.S. Asst. Prof.

Preventive Dentistry

Professors

Cox, M. A., M.B.

Kreutzer, J., D.D.S., B.Sc. (Dent.) Dir. of Dental Clinic.

Prosthodontia

Godfrey, R. J., D.D.S., M.Sc. (Dent.) Hd. of Dept., 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

Moser, J. E., D.D.S. Assoc. Prof.

Yule, O. J., B.D.S. N.Z., D.D.S. Asst. Prof.

Worth, H. M., L.D.S., F.F.R. Lectr.

41 Assocs., 2 Sp. Lectrs., 18 Demrs.

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.

Professors

Grant, J. C. B., M.C., M.B., Ch.B., F.R.C.S.Ed. Hd. of Dept.

Watt, J. C., M.A., M.D.

Cates, H. A., M.B.

Ham, A. W., M.B.

Smith, C. G., B.A., M.Sc. W. Ont., M.D., Ph.D.

Bensley, Mrs. Silvia H., B.A. Mt. Holyoke, M.D. Chic.

Assoc. Prof.

George, R. K., B.A., M.B., D.P.H. Asst. Prof.

Lecturers

McMurrich, Kathleen I.

Basmajian, J. V., M.D.

14 Demrs., 1 Sr. Demr.

Art as Applied to Medicine

Wishart, Maria T.

Dir. and Asst. Prof.

1 Fellow, 2 Instrs.

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.

Associate Professors

Butler, G. C., B.A., Ph.D.

Crocker, B. F., M.A., Ph.D.

Assistant Professor

Fisher, Mrs. Jeanne M., M.A., Ph.D.

6 Fellows.

Gynæcology, v. Obstetrics

Humanities in Medicine

Lecturers

Van Wyck, H. B., B.A., M.B., F.R.C.O.G., F.R.C.S.Can.

Wasteneys, H., Ph.D. Col., F.R.S.C.

Hygiene and Preventive Med., v.
also *infra*, Sch. of Hygiene

Fraser, D. T., M.C., B.A., M.B.,
D.P.H., F.R.S.C.

Hd. of Dept. and Prof.

Brown, M. H., O.B.E., M.D., B.Sc.
(Med.), D.P.H. Prof.

Fraser, Frieda H., B.A., M.B.
Prof.

Wishart, F. O., M.A., M.D.,
D.P.H. Assoc. Prof.

Wilson, R. J., M.A. Br. Col.,
M.D., D.P.H. Asst. Prof.

Lecturers

Goulding, A. M., M.D. Harv., B.A.,
D.P.H.

Siebenmann, C. O., Chem.E. Zür.,
D.Ing. Karls.

Farrell, Leone N., M.A., Ph.D.
2 Fellows, 1 Research Fellow.

Medical Jurisprudence

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.)

Professors

Best, C. H., C.B.E., D.Sc. Lond.,
Oxon., Paris, and Chic.,
Sc.D. Camb., M.D. Amst.,
Louvain, Liège, and Tor.,
LL.D. Dal., M.A., F.R.S.,
F.R.S.C., F.R.C.P.Can.

Director.

Franks, W. R., O.B.E., M.A., M.B.
Lucas, C. C., M.A.Sc. Br. Col.,
Ph.D.

Associate Professors

Chute, A. L., O.B.E., Ph.D. Lond.,
M.A., M.D., F.R.C.P.Can.

Baer, E. E. F. T., Ph.D. Berl.
(Synthetic Chem.).

Sellers, E. A., M.D. Manit., Ph.D.

Hartroft, W. S., M.D., B.Sc.
(Med.) Alta., Ph.D.

Assistant Professors

Wrenshall, G. A., M.Sc. Sask.,
Ph.D. Yale, M.A.

Macpherson, L. B., M.B.E., B.Sc.
Acad., Ph.D.

Lecturer

Ridout, Jessie H., M.A., Ph.D.

10 Research Associates, 17 Research
Assts., 1 Fellow.

Medicine

Farquharson, R. F., M.B.E., M.B.,
D.Sc. Br. Col., F.R.C.P.,
F.R.C.P.Can.

Hd. of Dept. and Prof.

Associate Professors

Brooks, E. F. J., M.D., F.R.C.P.
Can.

Campbell, W. R., M.A., M.D.,
F.R.S.C., F.R.C.P.Can.

Graham, J. W., M.D., D.D.S.,
F.R.C.P.Can.

Hepburn, J., M.B., F.R.C.P.Can.

Owen, T., M.B., F.R.C.P.Can. and
Lond.

Brown, W. H., B.A. Sask., M.A.,
D.M. Oxon., F.R.C.P. Lond.
and Can., F.A.C.P.

Hyland, H. H., M.D., F.R.C.P.
Lond. and Can.

Dixon, H. A., M.D., F.R.C.P.Can.

Assistant Professors

Dickson, R. C., O.B.E., M.D.,
F.R.C.P.Can., F.A.C.P.

Hagerman, A. R., M.B.

Macdonald, R. I., C.M. Dal., B.A.,
M.D., F.R.C.P.Can.

Richardson, J. C., M.B.E., M.D.,
B.Sc. (Med.), F.R.C.P.Can.

Wightman, K. J. R., M.D.,
F.R.C.P.Can., F.A.C.P.

Wrong, N. M., M.D.

Fletcher, A. A., M.B., F.R.C.P.
Can.

Maltby, E. J., M.B., M.A., F.R.C.P.
Can.

Rykert, H. E., M.D., F.R.C.P.
Can., F.A.C.P.

Stock, V. F., M.C., V.D., B.A.,
M.D., F.R.C.P.Can., F.A.C.P.

Lectr.

17 Associates, 28 Clinical Teachers,
12 Fellows, 4 Demrs.

Obstetrics and Gynæcology

Cannell, D. E., M.B., B.Sc. (Med.),
F.R.C.S.Can.

Hd. of Dept. and Prof.

Associate Professors

Armstrong, L. T., M.B.

Cosbie, W. G., M.C., M.B.,
F.R.C.O.G. F.R.C.S.Can.

Low, D. M., M.B., F.R.C.S.Can.

O'Leary, F. J., M.B.

9 Associates, 11 Clinical Teachers,
1 Resident Fellow.

Occupational and Physical Therapy

Zinovieff, A., D.Phys. Med. Eng.
Dir.

1 Fellow, 6 Instrs., 1 Demr.

Ophthalmology

Elliot, A. J., B.A. Br. Col., Med.
Sc.D. Col., D.O.M.S. Lond.,

M.D. Hd. of Dept. and Prof.

Assistant Professors

MacDonald, A. E., M.D., F.R.C.S.
Can., D.O.M.S.

Morgan, A. L., M.D.

5 Associates, 6 Clinical Teachers,
4 Fellows.

Oto-Laryngology

Ireland, P. E., M.D.

Hd. of Dept. and Prof.

Assistant Professors

McCart, H. W. D., M.B.

Sullivan, J. T. A., M.B.

Wishart, D. E. S., B.A., M.D.

6 Associates, 11 Clinical Teachers,
3 Fellows.

Pathological Chemistry

Dauphinee, J. A., O.B.E., M.A.
Br. Col., M.D., Ph.D., F.R.C.P.

Can. Hd. of Dept. and Prof.

Nicholson, T. F., M.B., B.Sc.
(Med.), Ph.D. Assoc. Prof.

Gornall, A. G., B.A. Mt. All.,
Ph.D. Asst. Prof.

2 Demrs., 4 Fellows, 1 Assoc., 1
Research Fellow.

Pathology and Bacteriology

Boyd, W., M.D. Edin. and Oslo,
LL.D. Sask., D.Sc. Manit.,

Dipl. Psychiat. Edin.,

F.R.C.P., F.R.S.C., F.R.C.S.

Can. Hd. of Dept. and Prof.

Greey, P. H., M.D., B.Sc. (Med.)
(Bact.) Prof.

Linell, E. A., M.D. Manc.

(Neuropath.) Prof.

Barrie, H. J., B.M., B.Ch. Oxon.
Assoc. Prof.

Magner, W., M.D., B.Ch., B.A.O.,
D.P.H. N.U.I., LL.D. Sask.

Asst. Prof.

Lecturers

Donohue, W. L., M.A., M.D.

Hawks, G. H., M.D.

1 Associate, 5 Demrs., 5 Fellows,

1 Sr. Fellow.

Pædiatrics

Brown, A., M.D., F.R.C.P. Can.
and Lond., F.A.C.P.

Hd. of Dept. and Prof.

Morgan, E. A., M.B. Assoc. Prof.

Assistant Professors

Ebbs, J. H., M.D. Tor. and Birm.,
F.R.C.P.Can.

Silverthorne, L. N., M.B.

Boyd, Gladys L., M.D., B.Sc.
(Med.), F.R.C.P.Can.

Drake, T. G. H., O.B.E., M.B.,
F.R.C.P.Can.

Snelling, C. E., M.B.

12 Clinical Teachers, 1 Research
Assoc.

Pharmacy and Pharmacology

Ferguson, J. K. W., M.B.E., M.A.,
M.D., F.R.S.C.
Hd. of Dept. and Prof.
Lucas, G. H. W., M.A., Ph.D. Prof.
Smith, H. W., B.A., M.Sc. West.,
Ph.D. Lectr.
Paul, W., B.A., Ph.D. Lectr.
2 Fellows, 4 Assts., 2 Instrs., 4
Demrs.

Physiology

Professors

Best, C. H., C.B.E., D.Sc. Lond.,
Oxon., Paris, and Chic., Sc.D.
Camb., M.D. Amst., Louvain,
Liège, and Tor., LL.D. Dal.
and Qu., M.A., F.R.S.,
F.R.S.C., F.R.C.P.Can.

Hd. of Dept.

Solandt, D. Y., Ph.D. Lond.,
D.P.H., M.A., M.D., F.R.S.C.
Haist, R. E., M.A., M.D., Ph.D.

Associate Professors

Markowitz, J., M.B.E., M.S. in
Exp. Surg. Minn., M.B., Ph.D.
Pt.-time Assoc. Prof.
Sellers, E. A., M.D. Manit., Ph.D.
Campbell, J., M.A., Ph.D.

Assistant Professors

Fidlar, E., B.A., M.D.
Goranson, E. S., M.A. Br. Col.,
Ph.D.

Lecturers

Ashworth, M. A., M.D., B.Sc.
(Med.).

Feasby, W. R., B.A., M.D.

Scott, J. W., M.A., M.D.

1 Research Associate, 5 Research
Assts., 7 Fellows.

Psychiatry

Stokes, A. B., C.B.E., M.A., B.M.,
B.Ch. Oxon., D.C.H., D.P.M.,
F.R.C.P.Can.

Hd. of Dept. and Prof.

Assistant Professors

Dewan, J. G., B.A., M.D. W. Ont.,
Ph.D. Camb., D.P.M. Lond.,
M.A., D.Psych.

Jackson, Mary V., M.D.

Gray, K. G., K.C., M.D., B.Sc.
(Med.).

5 Clinical Teachers, 2 Fellows, 1
Psychologist, 1 Psychiatric
Social Worker, 1 Assoc., 2
Research Assocs., 1 Jr. Fellow,
2 Sr. Fellows.

Radiology

Singleton, A. C., M.B.E., M.D.,
F.F.R.

Actg. Hd. of Dept.,
Assoc. Prof.

Hall, M. M. R., M.D. Asst. Prof.

Ash, C. L., B.Sc. Alta., M.D.,
D.Rad. Asst. Prof.

5 Associates, 4 Clinical Teachers.

Surgery

Janes, R. M., M.B., F.R.C.S.Can.,
F.A.C.S.

Hd. of Dept. and Prof.

Associate Professors

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.

Murray, D. W. G., M.B., F.R.C.S.
Eng. and Can.

McDonald, J. L., M.B., F.R.C.S.
Can.

Kergin, F. G., M.A. Oxon., M.D.,
M.S., F.R.C.S.

Mitchell, D. R., B.A., M.D., M.S.,
F.R.C.S. Eng. and Can.

Assistant Professors

- Botterell, E. H., O.B.E., M.D.
 Manlt., 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.S. Minn., M.D.
 Gordon, S. D., M.B., M.S.,
 F.R.C.S.Can., F.A.C.S.
 14 Associates, 20 Clinical Teachers,
 13 Fellows, 1 Resident Sur-
 geon, 5 Resident Fellows,
 1 Asst.

Therapeutics

- Wightman, K. J. R., M.D.,
 F.R.C.P.Can., F.A.C.P.
 Hd. of Dept. and Asst.
 Prof.
 17 Clinical Teachers, 10 Assts.,
 1 Resident Fellow.

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 re-
 lation to Hyg.) Prof.
 McKinnon, N. E., M.B. (Epi-
 demiol. and Biometrics)
 Hd. of Dept. and Prof.
 MacLeod, D. R. E., B.A., M.D.,
 B.Sc. (Med.), D.P.H. (Epi-
 demiol. 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 Nu-
 trition) Prof.
 McGanity, W. J., M.D. (Public
 Health Nutrition) 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.
 Stuart, Eugenie M., B.S.H.A.,
 M.H.A. Northwestern (Hosp.
 Admin.) Asst. Prof.
 Hatcher, G. H., B.A., M.D. McG.,
 D.P.H. (Public Health Ad-
 min.) Asst. Prof.
 Cunningham, J. G., B.A., M.B.,
 D.P.H.
 (Indust. Hyg.) Assoc. Prof.
 Fallis, A. M., B.A., Ph.D. (Para-
 sitol.) 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 Ad-
 min.) 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.
 Cryderman, Eileen, B.Sc. Col.

Edge, G. A., D.V.M., D.V.P.H.
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 5 Associates, 2 Fellows, 1 Demr.,
 13 Research Fellows, 4 Assts.

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 Oxon., LL.D. Br. Col. and
 Qu., Mus.Doc. Laval, D.Litt.
 McM., B.A., F.R.C.M.,
 F.R.C.O. Dean.
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 F.R.C.O. Assoc. Prof.
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 western, M.Mus. Rochester
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 Rosevear, R. A., A.B. Cornell,
 M.Mus. Rochester (School
 Music).

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 Walter, A., Jur. Utr. Dr. Prague
 Sp. Lectr.
 6 Assts.

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 Emory, Florence H. M.
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 and Assoc. Prof.
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 B.Pæd. Asst. Prof.
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 Bird, Minette, B.Sc. Col.
 Greenslade, Myra J., B.Sc. N.
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 Fidler, Nettie D., B.A. Sp. Lectr
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Athletics and Phys.
Educn. (Women).

Jackson, Dorothy N. R., M.A.
New York

Asst. Prof. and Asst. Dir.
Athletics and Phys.
Educn. (Women).

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Lecturer

Wilson, R. J., M.A. Br. Col., M.D.,
D.P.H.

Special Lecturer

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F.R.C.P.Can.

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Sch., B.S.S. Brooklyn Coll.

Choate, Reva E., M.A. Chic.

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Boynton, Opal, B.A. Col.

Machell, Mrs. Lecie G., A.B. Ill.,
M.S.P.A. Wash.

Lecturers

Grotewohl, Doris, A.B. Berea.

Godfrey, Ray, M.A. Chic., B.A.

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Gray, C. C., M.D.

Stewart, Judge V. L., B.A. Sask.,
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Educational Research, v. p. 819

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Pratt, M.S. Col. Assoc. Prof.

Silverthorn, Mary E., B.A. Alta.,
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Assoc. Prof.

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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. 831.

VICTORIA UNIVERSITY, see p. 834.

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Prof. and Hd. of Dept. ; G. E. Raithby, B.S.A., Prof. and Asst. Hd. of Dept. ; E. C. Stillwell, B.S.A., M.S., M. W. Staples, B.S.A., M.S., Profs. ; R. P. Forshaw, B.S.A., M.Sc., W. O. Kennedy, B.S.A., G. W. Wood, B.S.A., M.Sc., Assoc. Profs. ; T. D. Burgess, B.S.A., Lectr. *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., E. V. Evans, M.A., Profs. *Apiculture* : G. F. Townsend, M.S.A., Prof., Hd. of Dept. and Prov. Apiarist ; P. W. Burke, B.S.A., Asst. in Extension and Asst. Prov. Apiarist ; R. W. Shuel, M.S.A., Ph.D., Assoc. in Research ; 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., 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., Margaret M. Hauser, B.S.A., Lectrs. ; 4 Res. Fellows. *Botany* : R. O. Bibbey, B.S.A., M.Sc., Ph.D., Prof. and Hd. of Dept. ; D. R. Sands, B.S.A., M.S., W. G. Evans, B.S.A., M.S., Profs. ; F. H. Montgomery, M.A., A. A. Wellwood, B.A., B.Sc., R. T. Riddell, M.A., C. B. Kelly, B.S.A., M.S., Assoc. Profs. ; C. G. Waywell, B.S.A., M.Sc., Asst. Prof. ; L. V. Busch, M.S.A., Lectr. ; Elizabeth G. Taylor, Asst. in Res. *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., Prof. ; D. MacDougall, B.A., M.Sc., Ph.D., D. Waghorne, B.S.A., Assoc. Profs. ; W. H. Brown, M.A., J. R. Rothwell, B.S.A., Asst. Profs. ; 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., Asst. Prof. ; 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., A. W. Hugar, B.S.A., Asst. Profs. ; D. A. Riggs, B.A., M. A. King, B.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., W. E. Heming, B.S.A., Ph.D., Profs. ; H. W. Goble, B.S.A., M.S., Prof. and Prov. Entomologist ; A. G. McNally, M.A., Assoc. Prof. ; 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., R. Keegan, B.S.A., Profs. ; D. N. Huntley, M.S.A., Assoc. 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) ; 6 Res. Fellows ; 1 pt.-time Lectr. *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. A. Weall, 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. ; F. J. Francis, M.A., Asst. in Research ; 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., Prof. ; J. G. F. Morton, B.Sc., B.Eng., Assoc. Prof. ; P. F. Clarke, B.S.A., 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. H. Pettit, M.S.A., Chief in Extension ; J. E. Bergey, B.S.A., F. N. Jerome, M.S.A., Assoc. Profs. ; C. M. Huntsman, B.S.A., Assoc. in Extension ; A. E. Ferguson, B.S.A., Assoc. in Research ; K. M. Gartley, B.S.A., Asst. in Res. ; A. M. Morphet, B.S.A., 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; H. L. Orr, B.S.A., Lectr. *Soils*: N. R. Richards, B.S.A., M.Sc., Prof. and Hd. of Dept.; F. F. Morwick, M.S.A., F.C.I.C., A. L. Willis, B.S.A., M.Sc., Ph.D., Profs.; N. J. Thomas, B.S.A., M.Sc., L. R. Webber, B.S.A., M.S., T. J. Heeg, M.S.A., F.C.I.C., Assoc. Profs.; R. J. Bryden, B.S.A., W. T. Ewen, M.S.A., Assocs. in Extension; B. C. Matthews, B.S.A., A.M., Asst. Prof.; J. W. Ketcheson, B.S.A., A. G. Caldwell, M.S.A. (on leave), R. R. Bruce, B.S.A. (on leave), G. Baker, B.S.A., Soil Specialists; 4 Res. Fellows; 3 Jr. Pedologists.

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ONTARIO VETERINARY COLLEGE, GUELPH, ONT. (For D.V.M. degree.) A. L. MacNabb, D.V.M., D.V.Sc., Principal; T. L. Jones, B.V.Sc., M.Sc., Act. Principal; F. J. Cote, D.V.M., Registrar.

Department 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., Assoc. Prof.; Mrs. F. H. Perry, M.Sc., Ph.D., Lectr. Department of Preventive Medicine and Hygiene—A. F. Bain, D.V.M., Prof., Hd.; N. A. Fish, D.V.M., D.V.P.H., Prof.; D. A. Barnum, D.V.M., D.V.P.H., Assoc. Prof.; K. A. McKay, B.A., Asst. in Research; C. G. Wills, D.V.M., Asst. Prof.; C. E. van Rooyen, M.D., D.Sc., Pt.-time Prof.; G. Dempster, M.B., Ch.B., B.Sc., Pt.-time Prof.; J. M. Mather, M.D., D.P.H., Pt.-time Instr. Department of Clinical Medicine—*Diseases of Ruminants and Swine*: R. A. McIntosh, M.D.V., B.V.Sc., Prof., Hd.; C. A. V. Barker, D.V.M., M.Sc., D.V.Sc., Prof.; C. K. Roe, D.V.M., Asst. in Research; *Pharmacology*: R. A. McIntosh, M.D.V., B.V.Sc., F. E. Wagner, Phm.B., Pt.-time Lectrs.; *Clinics*—J. A. Henderson, D.V.M., M.S., Prof. and Hd. of Clinical Division; E. F. Pallister, D.V.M., M.Sc., Prof.; W. J. R. Fowler, V.S., B.V.Sc., D.V.M., Chev. de Mér. Agricole de France, Pt.-time Prof., Department of Fur-Bearing and Small Domestic Animals—F. J. Cote, D.V.M., Prof., Head of Dept.; J. Archibald, D.V.M., Assoc. Prof.; A. H. Kennedy, B.S.A., D.V.M., D.V.Sc., Assoc. Prof.; J. A. Campbell, D.V.M., Pt.-time Lectr.; C. I. Chappel, D.V.M., Asst. Prof. Department 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.Sc., Prof.; J. D. Schroder, D.V.M., M.S., Asst. in Research; *Poultry Pathology*: J. S. Glover, D.V.M., Prof.; J. Gallagher, D.V.M., Assoc. in Extension. Department of Physiology and Clinical Chemistry—H. T. Batt, M.V.Sc., M.S., D.V.Sc., Ph.D., Cert. de l'Éc. Vét. d'Alfort, Prof., Hd.; H. G. Downie, D.V.M., M.S., Assoc. Prof. Department of Parasitology—A. A. Kingscote, D.V.Sc., Prof., Hd.; J. K. McGregor, D.V.M., Assoc. Prof.; B. McCraw, M.A., Asst. Prof. Jurisprudence—A. Dunbar, K.C., Pt.-time Lectr. Radiology—A. E. Broome, M.D., Pt.-time Lectr. Botany (taught by the Fac. of the Ontario Agricultural Coll.)—R. O. Bibbey, B.S.A., M.Sc., Ph.D., Prof., Hd. Chemistry (taught by the Fac. of the Ontario Agricultural Coll.)—R. S. Brown, M.A., Ph.D., Prof., Hd.; D. Waghorne, B.S.A., J. R. Rothwell, B.S.A., Asst. Profs. Economics (taught by the Fac. of the Ontario Agricultural Coll.)—R. C. Moffatt, M.A., Prof., Hd. Husbandries (taught by the Fac. of the Ontario Agricultural Coll.)—*Animal Husbandry*: R. G. Knox, B.S.A., Prof., Hd.; G. E. Raithby, B.S.A., Prof.; R. F. Forshaw, B.A., M.Sc., Assoc. Prof.; *Poultry Husbandry*: J. R. Cavers, B.S.A., M.S., Prof., Hd.; K. M. Gartley, B.S.A., Asst. in Research. Nutrition (taught by the Fac. of the Ontario Agricultural Coll.)—H. D. Branion, M.A., Ph.D., F.C.I.C., Prof., Hd. Zoology (taught by the Fac. of the Ontario Agricultural Coll.)—A. W. Baker, B.S.A., Prof., Hd. English (taught by the Fac. of the Ontario Agricultural Coll.)—G. E. Reaman, M.A., B.Pæd., Ph.D., Prof., Hd.; E. C. McLean, M.A., Prof. Department of Extension—A. L. MacNabb, D.V.M., D.V.Sc.; *Diagnostic Laboratory*—*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 (on leave); H. S. Funnell, B.A.; *Hæmatology*: R. J. Humble, B.A., Asst. in Research; *Poultry Diseases*: J. S. Glover, D.V.M.; J. Gallagher, D.V.M.; *Swine and Sheep Diseases*: R. A. McIntosh, M.D.V., B.V.Sc.; T. L. Jones, B.V.Sc., M.Sc.; *Mastitis*: F. W. Schofield, D.V.Sc.; D. A. Barnum, D.V.M., D.V.P.H.; H. C. Rowsell, D.V.M., D.V.P.H.; *Animal Reproduction*: R. A. McIntosh, M.D.V., B.V.Sc.; J. A. Henderson, D.V.M., M.S.; *Consultation Services*—*Artificial Insemination*: J. A. Henderson, D.V.M., M.S.; C. A. V. Barker, D.V.M., M.Sc., D.V.Sc.; *Diseases of Fur-bearing Animals*: A. H. Kennedy, B.S.A., D.V.M., D.V.Sc.; *Veterinarian for the Ontario Agricultural College and the Ontario Reformatory Farms*: J. W. MacPherson, D.V.M., Asst. in Extension; *Kemptville Agricultural School*: J. M. Stevens, D.V.M., Regional Vet. Officer.

ONTARIO COLLEGE OF ART, Grange Park, Toronto. (Telephone: PL 2846.) Principal—F. S. Haines.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO, 234 St. George St., Toronto. (Telephone: KI 0134.)

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, 508,736 bound volumes and 158,986 pamphlets. The Library has recently acquired the library of the Royal Canadian Inst., and is consequently especially strong on the scientific side. It has also special collections of French-Canadian lit., of Italian and Spanish *belles-lettres*, and of 18th-century

English lit. Among its MS. collections are the papers of Col. and Mrs. J. G. Simcoe, presented to the Library by Mr. R. S. McLaughlin; and the papers of the Hon. E. Blake, who was Chancellor of the Univ. from 1881 to 1900. The papers of W. L. Mackenzie and Charles Lindsay, and those of Sir Edmund Walker, have been placed in the Library for safe keeping, and may be used by permission of the Librarian.

MUSEUMS. The Royal Ontario Museum, 100 Queen's Park, Toronto 5—*Archæology*: including extensive collections illustrating the arts and skills of primitive peoples; the American Indian; the civilizations of Egypt, Greece, and Rome; arms and armour, ceramics, furniture, textiles, etc. The Chinese Collection covers the entire range of art and archæology, and is outstanding. The Chinese Library of over 50,000 books 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. *Zoology and Palæontology*: including extensive collections of Canadian and foreign animals, birds, fish; many specimens of dinosaurs from Alberta, and thirty murals depicting the development of the earth through the various geological periods.

LABORATORIES, in all the Science depts. **BANTING INSTITUTE** with depts. of Path., Bact., Neuro-pathol., Med., Surg., Patholog. Chem. and the Banting and Best Dept. for Med. Research, for teaching, clinical investigation, and research work. **CONNAUGHT MEDICAL RESEARCH LABORATORIES** provide facilities for research in preventive med. and in related fields and for production of and supply of sera, vaccines, hormones, antibiotics, and other biological preparations that are difficult or costly to produce. Farm of over 145 acres. **DAVID DUNLAP OBSERVATORY**, Richmond Hill, contains a 74-in. reflecting telescope which may be used either as a Cassegrain or a Newtonian, the largest in the Commonwealth and one of the largest in the world. **HOSPITALS** available for Clinics: Toronto (General), 1416 beds; Children's, 632; St. Michael's (General), 722; Western (General), 535; Psychiatric, 76; Isolation, 150; Sunnybrook (Veterans), 1200.

FACULTIES. Arts, *Dean*—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.; Business Administration, *Dir.*—V. W. Bladen, M.A., F.R.S.C.; Department of University Extension, *Dir.*—J. R. Gilley, B.A.Sc.

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) D. V. Love, B.Sc.F., M.F.; (Music) Jean E. Woods, B.A.; (School

of Graduate Studies) J. H. Sword, M.A.; (Dentistry) C. C. Rous, B.A.Sc.; (Law) Joyce McClennan; (Archit.) S. R. Kent, B.Arch.; (Physical and Health Educn.) Margaret I. R. Pratt, 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.; (Business Administration) Marjorie L. Ruwald.

UNIVERSITY MATRICULATION BOARD. A Board created by the Univs. of Toronto, Queen's, McMaster, W. Ont., and Ottawa conducts and controls their annual Matriculation exams. The Dept. of Educn. of Ontario provides the machinery for holding these exams., 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.

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.

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., LL.B., B.P.H.E.; 4 yrs.—Honour B.A., B.Com., B.A.Sc., B.Sc. (Med.), B.Sc. (Dent), Honour B.H.Sc., B.Sc.F., B.Sc.Phm., B.S.A.; 5 yrs.—B.Arch., D.D.S., B.Sc.N., and D.V.M.; 6 yrs.—M.D.

The B.Sc. (Med.) may be conferred for special work or investigation as a graduate degree and in certain circumstances for an extra yr.'s work as an undergraduate. Similar regulations govern the B.Sc. (Dent.).

A student who has already graduated in the Faculty of Arts, Med., or Sci. of a Canadian or other recognized Univ. may complete the course in Dentistry in 4 yrs. instead of 5, provided he has covered certain prescribed subjects during his undergrad. course; and persons holding qualifications obtained in Great Britain or Ireland registrable by the Dental Board of the United Kingdom or the B.D.S. of approved Australian Univs. may be admitted to the Fac. of Dentistry without further examn., and to the final D.D.S. examns. on completing one full session in the Fac. of Dentistry.

Higher Degrees. M.A., obtainable by approved course of graduate study extending over 2 yrs. or, in the case of a B.A. in an Honours course, 1 yr.; Ph.D., open to a graduate in Arts or Science of this or another recognized Univ. by pursuing in the Univ. of Toronto an advanced course of study for 3 yrs., exemption from 1 of which may be given in consideration of the candidate having already pursued such a course for 1 yr. A thesis embodying the result of an original investigation is required.

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 one who holds the degree of 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 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.

M.L.S., 1-yr. course open to holders of B.L.S.

M.S.W. (Master of Social Work) is open to grads. who have obtained the B.S.W. degree or its equivalent.

The 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 Colls. 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 Coll. Fees, which entitle students to attend degree courses in their respective Colls., are \$242 p.a.; B.Com., \$278 p.a.; Medical students pay for tuition, library, lab. supply, hospital and annual examn., 1st and 2nd pre-medical yrs., \$250 p.a.; 1st, 2nd, 3rd, and 4th medical yrs., \$485 p.a.; Applied Sc. and Engin., \$383 p.a.; Household Sci., \$252 p.a.; Library School, \$190 p.a.; Ontario Coll. of Educn., \$180 p.a.; Forestry, \$288 p.a.; Music, General, \$171 p.a.; School, \$258 p.a.; Dentistry, pre-dental yr., \$298 p.a.; 1st, 2nd, 3rd, and 4th dental yrs., \$417; Archit., \$383 p.a.; Social Work, \$315 p.a.; Nursing, \$188; Diploma Fees: Certif. courses in the Coll. of Educn., \$180 p.a.; Dip. Public Health, \$416; Dip. in Radiol., \$175; Dip. in Psychiatry, \$115, Dip. in Indust. Hyg., \$416 p.a.; Dip. Hospital Admin., \$500; Dip. Dental Public Health, \$345 p.a.; Dip. Vet. Public Health, \$230 p.a.; Cert. Public Health, \$225 p.a.; Dent. Nursing, \$185 p.a.; Physical and Occupational Therapy, \$254 p.a.; Certif. Course in Institutional Management, \$245.

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. Univ. Houses accommodate 200 men. The rates are \$5.25 a week for a single room or half a suite; Univ. Coll. Houses, for 64 men—40 at 73 St. George St. and 24 at 5 Willcoks St., rent \$5.25 a week; residence and board for women (250), at least \$15.50 a week; Victoria Coll. Halls for 260 men and 250 women; Trinity Coll. provides for 135 men and 100 women; St. Michael's (R.C.) has also residences for men and women.

HART HOUSE, the gift of the Massey Foundation in memory of 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, \$15. Telephone (Hall Porter): MI 6445.

WOMEN'S UNIONS. The Arts Colleges provide centres for the social activities of the undergraduate women of their respective colleges; these have common rooms, library, dining-hall, and guest rooms.

UNIVERSITY EXTENSION. (1) Courses leading to the B.A. degree conducted in the evenings and on Saturdays for teachers and other adults. (2) Summer Session in Arts subjects and in Pedagogy. (3) Evening tutorial non-credit classes in a variety of Arts and cultural subjects held during the winter session. (4) Evening non-credit classes in subjects relating to Business and Industry held during the winter session. (5) 3-yr. Certif. Course in Business—evening classes. (6) Extension lectures throughout the Province. (7) Correspondence Division conducts courses for credit for 7 business organizations. (8) Short

refresher courses for Social Workers, Fire Fighters, Accident Prevention, Public Safety (safe driving), for groups of graduates and others in special fields.

PUBLICATIONS. *President's Annual Report*; *Board of Governors' Report*; *Calendars*, April-May; *Bulletins of the Dept. of University Extension*; *Medical Bulletin*; University of Toronto Press books and journals, including *Can. Journal of Psychology*; *Can. Journal of Mathematics*; *Univ. of Toronto Quarterly*; *Can. Historical Review*; *Can. Journal of Econ. and Polit. Sc.*; *Univ. of Toronto Law Journal*; *Univ. Studies*: Alumni and students' magazines—*Alumni Bulletin*, *Varsity*, *Torontonensis*.

THE YEAR 1949-50

BENEFACTIONS. Total, \$1,235,605.81. Defence Research Board, Res. grants, \$441,752.50; National Research Council, Res. grants, \$220,802.91; Anon. donors, \$50,280.00; Estate of late Mrs. Helen Shepard—Anne Shepard Memorial Scholps., \$50,000.00; National Cancer Inst. of Canada, \$47,161.11; Research Council of Ontario, \$44,500.00; Rockefeller Foundation, \$44,469.26; Dr. W. B. Boyd Estate—W. B. Boyd Memorial Fund, \$18,463.90; Gov. of Canada, \$17,000.00, Banting Res. Foundation grants, \$16,400.00; Various Donors—Inst. of Industrial Relations, \$14,270.00; Estate of Mary Jane Felker—Res., \$13,880.09; W. K. Kellogg Foundation, \$13,834.79; Central Mortgage & Housing Corp., \$13,350.00; Prov. of Ontario—special grants, \$13,035.00; Nutrition Foundation Incorp., \$11,800.00; Estate of Col. R. W. Leonard, \$11,649.99; National Foundation for Infantile Paralysis Incorp., \$9269.70; Lady Davis Foundation—Fellowships, \$9000.00; Estate of W. Pakenham—W. Pakenham Fellowship in Educn., \$8723.62; many other benefactions of lesser amounts.

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 earmarked 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. Eng. and 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 addition to the Ont. Coll. of Educn. bldg. and the Archives and Sigmund Samuel Canadiana Bldg. have been completed. A new central steam plant is under construction.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Most Rev. M. Roy, Archbp. of Quebec: "Parish Life and Democracy in French Canada." Marquess of Salisbury: "Liberty and Authority—a Re-examination." Prof. Sir J. Learmonth (Edinburgh): "Embolism and Thrombosis of the Aortic Bifurcation." Dr. F. G. Young (Cambridge): "Experimental Diabetes Mellitus." Dr. W. Friedmann (Melbourne): "The Planned State and the Rule of Law." Prof. M. Spinka (Hartford Theol. Sem.): "The New Soviet Religious Policy since 1939." Prof. E. J. Simmons (Columbia): "Problems of Control in Soviet Literature." Prof. V. Nabokov (Cornell): "Triumphs and Tribulations of Russian Writers." Prof. A. Lobanov-Rostovsky (Michigan): "Russia and the Balkan Slavs." Dr. S. A. Czako (late of Budapest Univ. of Economics): "Cultural Achievements of Hungary between the World Wars." Prof. M. Karpovich (Harvard): "Mickiewicz and Pushkin—Two National Poets." Prof. L. I. Strakhovsky: "The Great Russian Novelists."

RETIREMENTS. Prof. W. H. Clawson (English); Prof. J. R. Cockburn (Engin. Drawing); Prof. W. L. Robinson (Pathol.); Prof. J. Satterly (Physics); Prof. L. Smith (Music); Prof. J. E. Toomer (Metall. Engin.); Prof. H. B. Van Wyck (Obstet. and Gynæcol.); Prof. H. Willan (Music).

RESIGNATIONS. Prof. J. G. Andison (French); G. Bates (Med.); E. A. Broughton (Med.); Prof. E. C. Bullard (Phys.); Prof. E. de Chasca (Italian, Spanish, and Portuguese); C. D. Gossage (Health Service); Prof. C. H. Haagen (Psychol.); Prof. R. D. Hawkins (Med. Res.); Prof. L. E. Massoth (Social Work); Prof. P. E. Pashler (Phys.); Prof. M. D. Salter (Psychol.); Prof. A. F. C. Stevenson (Maths.); E. J. Trow (Med.); Prof. A. H. Veitch (Oto-laryngol.); Miss E. Weber (Library Sci.); Prof. H. W. Woockey (Surg.); Prof. J. G. Wright (Bot.).

DEATHS. Prof. T. Cowling (Dental Technol. and Metall.); Prof. G. R. Edwards (Engin. Drawing); Emeritus Prof. H. W. Price (Electr. Engin.); Prof. A. R. Zimmer (Electr. Engin.).

HONORARY DEGREES. *LL.D.*—Marquess of Salisbury; Rt. Hon. Lord Webb-Johnson; J. D. Falconbridge, former Dean of Osgoode Hall Law School; Sir Oliver Franks, British Ambassador to the U.S.A.; Hon. T. L. Kennedy, Minister of Agriculture of the Province of Ontario; Col. the Hon. Sir Leonard C. Outerbridge, Lt.-Gov. of Province of Newfld.

STUDENTS. Total: 14,840, including 11,065 men and 3775 women.

DEGREES. Ph.D., 86; M.A., 313; M.Com., 10; M.S., nil; M.A.Sc., 68; C.E., nil; D. Pæd., 3; M.Sc.F., 1; Mus.Doc., 2; M.Sc. (Dent.), 1; D.Jur., 2; M.S.A., 10; D.V.Sc., 1; M.S.W., 18; B.A., 1489; B.Com., 81; M.D., 186; B.Sc. (Med.), 7; B.A.Sc., 1151; B.Arch., 43; B.H.Sc., 4; B.Pæd., 58; B.L.S., 65; B.Sc.F., 92; Mus.Bac., 19; D.D.S., 171; B.Sc. (Dent.), 4; LL.B., 39; B.P.H.E., 79; B.S.W., 84; B.Sc.N., 4; Phm.B., 130; B.S.A., 210; D.V.M., 135.

DIPLOMAS AND CERTIFICATES. Business, 7; Child Study, 23; Clinical Supervision, 42; Dental Nursing, 23; Dental Public Health, 5; Hospital Administration, 11; Industrial Hygiene, 1; Institutional Management, 58; Nursing, 151; Occupational Therapy, 56; Orthodontics, 4; Periodontology, 1; Physical Therapy, 24; Psychiatry, 10; Public Health, 28; Radiology, 1; Veterinary Public Health, 12.

UNIVERSITY OF TRINITY COLLEGE TORONTO, ONTARIO

Founded 1851

(Federated with the University of Toronto)

Telephone: MI 8411.

VICE-CHANCELLOR AND PROVOST—Rev. R. S. K. SEELEY, M.A., D.D.,
LL.D., D.C.L.

REGISTRAR AND DEAN OF ARTS—R. K. HICKS, A.M.

DEAN OF WOMEN STUDENTS AND PRINCIPAL OF ST. HILDA'S COLLEGE
—Mrs. MOSSIE M. KIRKWOOD, M.A., Ph.D.

DEAN OF DIVINITY—Rev. C. R. FEILDING, B.A., S.T.D.

LIBRARIAN—S. M. ADAMS, M.A.

ACTING DEAN OF RESIDENCE—Rev. H. V. R. SHORT, B.A., B.D.

BURSAR—E. 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.

Elocution

McMullen, Rev. G. A., B.A. Tor.

History of Missions

Dixon, Rev. Canon L. A., O.B.E.,
M.A. Tor., D.D. Wyc.

Hon. Lectr.

Homiletics

Fotheringham, Ven. J. B., B.A.

Lectr.

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 Testa- ment Greek

Beare, Rev. F. W., B.A. Tor.,
Ph.D. Chic. Prof.

- Seeley, Rev. R. S. K., M.A. Camb.,
D.D. St. John's (Winnipeg)
and King's, LL.D. Qu.,
D.C.L. Bishop's 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. G., 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.

ADMINISTRATIVE AND OTHER STAFF

Chairman of Convocation, J. G. Edison, B.A. ; Clerk of Convocation, W. A. Kirkwood, M.A., Ph.D. ; Executive Sec. of Convocation, J. A. Philip, B.A., D.Litt.

GENERAL INFORMATION

The University of Trinity College, founded 1851, Royal Charter, 1852, federated with the Univ. of Toronto, 1904, now confines its Univ. work to the two Faculties of Arts and Divinity. As an Arts College it forms an integral part of the Fac. of Arts of the Univ. of Toronto. The courses of instruction are prescribed by that Univ. Instruction is given in the Coll. in all subjects assigned to the Arts Colls. These include Greek, Latin, Greek and Roman Hist., Ancient Oriental Hist., Oriental Langs., Engl., German, French, Ethics, and Religious Knowledge. Instruction in other subjects of the Arts Courses is given by the Univ. Students of the Coll. receive the degrees of the Univ. of Toronto at the conclusion of their courses. As a Theological Coll., Trinity maintains its own Fac. of Divinity and confers degrees.

LIBRARY, 45,205 vols.

RESIDENCE. There are residences for 155 men (fees : \$505) and 99 women (fees, \$495).

FEES. Tuition fees are the same as those of the Univ. of Toronto. Incidental College fees amount to about \$30.

PUBLICATIONS. *Calendar* (May) ; *Trinity Univ. Review*, 6 times a year.

THE YEAR 1949-50

HONORARY DEGREES. July 1950. D.D.—Most Rev. Germanos, Archbishop of Thyateira and Metropolitian, President of the World Council of Churches ; Rev. W. A. t'H. Hooft, Gen. Sec. of the same Council ; Rt. Rev. S. C. Neill, Asst. Bishop to the Archbishop of Canterbury.

Sept. 1950. *D.D.*—Rev. S. A. B. Mercer, Prof. Emeritus of Orientals, Trinity Coll.; Rev. G. C. C. Scovil, Warden of St. Chad's Coll., Regina; Very Rev. J. G. Sparling (*jure dig.*), Dean of Edmonton.

STUDENTS. Arts: 299 men, 244 women; Divinity, 59; part-time Arts, 9; total: 611.

DEGREES. B.D., 2; L.Th., 13. Arts degrees listed under the University of Toronto.

VICTORIA UNIVERSITY TORONTO

Incorporated 1836

(Federated with the University of Toronto)

Telegraphic Address : Viccollege, Toronto.

Telephone : KI 0310.

CHANCELLOR—A. C. SPENCER, C.B.E., B.A.Sc. Tor., LL.D. West.

PRESIDENT AND VICE-CHANCELLOR—Rev. A. B. B. MOORE, B.A. McG.
D.D. Montr.

PRINCIPAL, VICTORIA COLLEGE—H. BENNETT, B.A. Tor., Ph.D. Chic.

PRINCIPAL, EMMANUEL COLLEGE—Rev. A. D. MATHESON, M.A., B.D.
Qu., D.D. Montr. and Vic.Tor.

REGISTRAR—M. ST. A. WOODSIDE, B.A. Tor., M.A. Oxon.

LIBRARIAN—J. D. ROBINS, M.A. Tor., Ph.D. Chic.

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. Tor.,
B.D. Assoc. Prof.

Ethics and Philosophy of Religion

Leslie, Rev. C. W., M.A. Tor.,
Ph.D. Harv., B.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

McLean, Rev. C. V., M.A., B.D.
Union, Ph.D. Col. Prof.

Public Speaking

McMullen, Rev. G. A., B.A. Tor.
Asst. Prof.

Religious Pedagogy

Guthrie, Rev. J. R., M.A., B.D.,
B.Ed. Edin., S.T.M. Union
Asst. Prof.

Systematic Theology and History of Doctrine

Line, Rev. J., M.A. Tor., S.T.D.
Montr. and Wesleyan, D.D.
Pine Hill, B.D. Prof.
Fennell, Rev. W. O., B.A. Tor.,
S.T.M. Union 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 Tennysonianana (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.

RESIDENCE. Victoria Univ. Men's Residences, 89 Charles St. West (261 men); Victoria Univ. Women's Residences, 95 Queen's Park Crescent (238 women).

PUBLICATIONS. *Theological Calendar* (May); *Bulletin* (June); *Acta Victoriana*, a students' monthly.

THE YEAR 1949-50

BENEFACTIONS. \$81,494.

HONORARY DEGREES. *D.D.*—Rev. W. P. Woodger, Minister, Cobourg; Rev. J. R. Harris, Director of Book Sales, United Church Publishing House, Toronto; Rev. H. G. Forster, Minister among Non-Anglo-Saxons, Welland; Rev. M. K. Kawabe, Minister and Educationist, Japan.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	41	1100
Women	45	783
Total	86	1883

Included in the above are 49 postgraduate students and 493 first-year admissions.

DEGREES. *Theology*—Th.D., 0; B.D., 38; Diploma, 19; *Arts and Commerce*—B.A. or B.Com., 665.

UNIVERSITY OF WESTERN ONTARIO *

LONDON, ONT.

Founded 1878

Cable Address: Uwestario.

Telephone: 4—6861.

VISITOR—His Honour THE LIEUT.-GOVERNOR OF ONTARIO.

CHANCELLOR—ARTHUR R. FORD, LL.D.

CHAIRMAN OF THE BOARD OF GOVERNORS—A. T. LITTLE, LL.D.

PRESIDENT—G. E. HALL, A.F.C., M.S.A., M.D., Ph.D. Tor., 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. Tor.

COMPTROLLER—R. B. WILLIS, M.A.

DEANS—*Arts and Science*—H. R. KINGSTON, M.A., Ph.D. Chic., F.R.A.S.; *Graduate Studies*—R. A. ALLEN, M.A., Ph.D. Chic.; *Medicine*—J. B. COLLIP, C.B.E., M.A., Ph.D., D.Sc., M.D., LL.D., F.R.C.P. Can. and Lond., F.R.S.C., F.A.C.P., F.R.S.; *Business Administration*—LLOYD W. SIPHERD, M.B.A. Harv.; *Nursing*—EDITH M. McDOWELL, B.Sc., M.A. Col.

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.
Sprules, W. M., Ph.D. Tor.
Assoc. Prof.
Judd, W. W., Ph.D. Tor.
Asst. Prof.

1 Instr., 3 Assts.

Botany

Hart, N. C., M.A. Tor. Prof.
Walker, A. R., M.A. Tor. Prof.
McLarty, D. A., Ph.D. Col.
Assoc. Prof.

1 Instr.

Business Administration

Professors

Thompson, W. A., M.B.A. Harv.
Fox, E. J., Ph.D. Calif.
Bonner, B., Ph.B. Chic., Ph.D.
N. Carolina.
Taylor, J. C., B.A.
Hamilton, J. M., B.Com., M.B.A.
Harv. Asst. Prof.
3 Lectrs., 5 Instrs.

Chemistry

Professors

Gunton, J. A., M.A. McM., Ph.D.
Ill.
Burns, J. W., M.Sc. Qu.
Associate Professors
Sivertz, C., B.A.Sc. Br. Col., M.Sc.,
Ph.D. McG.

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

Hunten, K. W., Ph.D. McG.
Watson, J. K., Ph.D. Tor.
Pattison, F. L. M., Ph.D. Camb.
1 Instr., 13 Assts.

Classics

Ralph, J. D., Ph.D. Chic., B.A.
Qu. Prof.
Pemberton, R. E. K., M.A. Oxon.
Assoc. Prof.

Economic and Polit. Science

Professors

Inman, M. K., B.A. Acad., M.A.,
Ph.D. Harv.
Reilly, E. E., B.S.A. Tor., M.S.
Wisc., F.R.E.S.
Harvey, W. B., M.A., LL.B.
Manit., Ph.D. Chic.
Associate Professors
Pleva, E. G., M.A., Ph.D. Minn.
Bittner, C. J., Ph.D. Iowa.
Ivor, D., M.A., Ph.D. Lond.
4 Lectrs.

English

Professors

Klinck, C. F., M.A., Ph.D. Col.
Stiling, F., M.A., Ph.D. Mich.
Associate Professors
Albright, Evelyn, B.A. Tor., M.A.
Chic.
MacKinnon, M. H. M., M.A.,
Ph.D. Tor.
Assistant Professors
Buckley, G. E., B.A. Mt. All., M.A.
Col.
McRae, J. R. Y., M.A. Tor.
Conron, A. B., D.S.O., A.M., Ph.D.
Harv.
2 Lectrs., 6 Instrs., 3 Assts.

French, Italian, and Spanish

Torrens, R. W., M.A. Harv., Ph.D.
Corn. Prof.
Turville, Ada Dorothy, Ph.D.
Col. 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

Pleva, E. G., M.A., Ph.D. Minn.
Prof.
2 Lectrs., 2 Instrs., 6 Assts.

Geology

Reavely, G. H., M.A. Prof.
Suffel, G. H., Ph.D. Calif.
Assoc. Prof.
1 Lectr., 1 Instr.

German

Allen, R. A., M.A. Tor., Ph.D.
Chic. Prof.
Kalbfleisch, H. K., M.A. N.Y.
Assoc. Prof.
2 Lectrs., 2 Instrs.

Hebrew

O'Neil, Rev. A. H., M.A., D.D.
Prof.

History

Dorland, A. G., B.A. Qu., M.A.
Yale, Ph.D. Tor., F.R.S.C.
Prof.

Associate Professors

Maine, S. F., B.D. Vict., M.A.,
Ph.D. Chic.
Talman, J. J., M.A., Ph.D. Tor.
Thomas, H. M., M.A., Ph.D. Harv.
Balderston, W., M.A., Ph.D. Corn.
Asst. Prof.
1 Lectr., 1 Asst.

Journalism

McCracken, G. W., B.A. Qu. Prof.
Wild, J. L., B.A. Asst. Prof.
7 Lectrs., 4 Assts.

Law

Carrothers, C. C., B.A., LL.B.
Lectr.

Library Science

2 Lectrs.

*Mathematics and Astronomy**Professors*

Kingston, H. R., M.A. Qu., Ph.D. Chic.

Magee, G. R., M.S., Ph.D. Chic.

Cole, R. H., M.A., Ph.D. Wisc.

1 Lectr., 1 Instr.

*Medicine, v. infra**Music*

Robb, Harvey, D.D.S. Tor. Prof.

Rosé, A., B.A. Prof.

3 Lectrs.

Philosophy

Johnson, A. H., M.A., Ph.D. Tor. Prof.

Hilliard, A. L., Ph.D. Col. Asst. Prof.

1 Instr., 3 Assts.

Physical Education

Dewar, W. A. D., M.A. Col.

Dir. and Prof.

Zeigler, E. F., A.M. Yale Prof.

Fairs, J. R., B.Sc., M.A. Col. Asst. Prof.

Metras, J. P. Dir. of Athletics.

2 Lectrs., 4 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.

4 Lectrs., 2 Instrs., 9 Assts.

Psychology

Liddy, R. B., Ph.D. Tor., LL.D. Mt. All. Prof.

Neal, Leola, Ph.D. Tor. Assoc. Prof.

Turner, G., Ph.D. Tor. Assoc. Prof.

Wright, Mary, Ph.D. Tor. Asst. Prof.

1 Instr., 3 Graduate Assts.

Secretarial Science

Gillespie, Mary, M.A. Col. Prof.

1 Lectr., 1 Instr., 1 Asst.

Slavonic Languages

Ignatieff, L., B.A. McG., M.A. Mich. Assoc. Prof.

*Medicine**Anæsthesia*

Bleazard, J. A., M.D., C.M. Qu. Prof.

2 Sr. Associates, 7 Instrs.

Anatomy

Skinner, H. A., M.B. Tor. Prof.

Barr, M. L., M.Sc., M.D. Assoc. Prof.

Thompson, J. S., M.A. Sask., M.D. Tor. Asst. Prof.

4 Instrs.

Bacteriology and Immunology

Murray, R. G. E., M.D., C.M. McG., M.A. Camb. Prof.

Robinow, C. F., M.D. Hamb. Assoc. 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.

Medical History and Literature

Taylor, N. B., M.D. Tor., F.R.C.S., F.R.C.P.Can., F.R.S.C. Prof.

Stevenson, L. G., M.D., Ph.D.
Asst. Prof.

Medical Research

Collip, J. B., C.B.E., M.A., Ph.D.
Tor., D.Sc. Alta., Harv., and
Oxon., M.D. Alta., Laval,
LL.D. Manit., Qu., Alta.,
F.R.C.P. Can. and Lond.,
F.R.C.S., F.A.C.P., F.R.S.
Director.

Begg, R. W., M.Sc. Assoc. Prof.
Noble, R. L., M.D. Tor., Ph.D.,
D.Sc. Lond. Res. Prof.

Ollerhead, W. W., M.D., B.Sc.
Prof.

Paterson, J. C., M.D. Tor., B.Sc.
(Med.) Prof.

Stevenson, J. A. F., M.D., C.M.
Assoc. Prof.

Taylor, N. B. G., M.D., Ph.D.
Asst. Prof.

2 Lectrs.

Medicine

Professors

Brien, F. S., B.A., M.B. Tor.,
F.R.C.P.Can.

Campbell, F. J. H., B.A., M.D.,
F.R.C.P.

Assistant Professors

Crombie, D. W., M.D., C.M. McG.

Duffy, J. L., M.D., C.M. McG.

Geddes, J. H., M.D.

Lewis, J. A., M.D.

Manning, G. W., M.D., M.A.,
Ph.D. Tor., F.R.C.P.Can.

5 Assocs., 16 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., 8 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.

Nursing

McDowell, Edith M., B.Sc., M.A.
Col. Dean.

King, Frances, M.A. Col.
Assoc. Prof.

McLean, Margaret, B.Sc. N., M.A.
Col. Assoc. Prof.

15 Lectrs.

Obstetrics and Gynaecology

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.
4 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.

2 Lectrs., 2 Instrs.

Pædiatrics

Little, H. S., M.B. Tor., F.R.C.P.
Can. Prof.

2 Sr. Assocs., 4 Instrs.

Pharmacology

Waud, R. A., Ph.D. Chic., M.D.,
M.Sc. Prof.

Gowdey, C. W., D.Phil. Oxon.,
M.Sc. Asst. Prof.

1 Lectr.

Physiology

Noble, R. L., M.D. Tor., Ph.D.,
D.Sc. Lond. Prof.

Stavraky, G. N., M.D. Odessa,
M.Sc., M.D., C.M. McG. Prof.
3 Lectrs.

Psychiatry

Stevenson, G. H., M.B. Tor.,
F.R.S.C. Prof.
2 Sr. Assocs., 3 Instrs.

Radiology

Bartelink, D. L., M.D. Amst.
Assoc. Prof.
Smith, I. H., M.D., M.Sc., F.R.C.S.
Assoc. Prof.
Andrus, P. M., M.D. Asst. Prof.
3 Instrs.

Surgery

McLachlin, A. D., M.D., D.Sc.,
D.Phil. Oxon., F.R.C.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.
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., 2 Instrs. (Surgery).

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Health Services, Helen Rossiter, M.B., Ch.B. Edin., D.A.
Lond. Dean of Women, Leola Neal, Ph.D. Tor. Counsellor to Men, T. L.
Hoskin, B.A.

AFFILIATED INSTITUTIONS

ASSUMPTION COLLEGE, Windsor, Ont. Principal, Prof. of Religious Knowledge, Very Rev. J. H. O'Loane, M.A. Col. 58 other Profs. and Instrs. in Arts subjects.

URSULINE COLLEGE, London, Ont. Dean and Prof. of English, Mother Mary St. James, M.A. Qu. 19 other Profs. and Instrs. in Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. President 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, Harvey Robb.

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. Col., Instr. in Greek; 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. T. R. Millman, Ph.D. McG., Lectr. in Hist.; Rev. A. H. Crowfoot, M.A. Camb., D.D. Lond., Lectr. in Church 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 4 Instns., the Coll. of Arts

and Sciences (University College), the Medical School, the School of Nursing, and the School of Business Administration.

FACULTIES AND SCHOOLS. Arts and Science (Dean—Prof. H. R. Kingston), Medicine (Dean—J. B. Collip), Nursing (Dean—Prof. Edith M. McDowell), Business Administration (Dean—Lloyd W. Sipherd).

DEGREE COURSES. 4 or 5 yrs. (from Jr. Matricul.), 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 **Shakespeareana** number c. 1500 vols. and several thousand pamphlets.

CORRESPONDENCE AND EXTENSION WORK in winter sessions in some General Course subjects, offered mainly for teachers and other adult students, either as credit courses towards degrees or as non-credit cultural courses. No degree can be earned entirely in the Extension and Correspondence Division.

The **SUMMER SCHOOL** has approx. 600 students taking courses for degrees, some in London on the main campus and some at the English-French Summer School at Trois-Pistoles, Quebec.

LABORATORY. The J. B. Collip Res. Lab. 8 **TEACHING HOSPITALS** in London.

STUDENT RESIDENCES. Spencer Hall (for women), Brescia Hall (Ursuline Coll. women), Huron Coll. (Huron Coll. and Univ. Coll. men), fraternity houses and sorority houses for men and women above the freshman level.

The **ALUMNI ASSOCIATION** assumes some responsibility for the placement of graduates. The Counsellor to men students, however, supervises a placement service for summer and for permanent employment.

The **DEPT. OF MILITARY STUDIES** offers training in the University Naval Training Division, or the R.C.A.F., Reserve University Flight, or the Canadian Officers' Training Corps.

PUBLICATIONS. *Calendar* (May) ; *Report of Institute of Public Health* (May) ; *Medical School Announcement* (Aug.) ; *Commerce Quarterly* ; *Medical Journal* ; *Univ. Gazette*, twice a week during term ; *Occidentalia* (May) ; *Arts and Science: Summary of Admission Requirements, Courses, Fees, Entrance Scholcs., etc.* ; *School of Business Admin. Announcement* (May) ; *Fac. of Graduate Studies Announcement* (May).

THE YEAR 1949-50

BENEFACTIONS. Building Fund (sundry donors), \$100,000, bringing total of fund to \$2,300,000 ; Ont. Govt. Current Maintenance Grant, increased in April 1950 by \$125,000 p.a. to \$500,000 ; City of London Current Maintenance

Grant increased for 1950 from \$65,183.97 to \$75,000; School of Business Admin. Fund (sundry donors), \$40,000, bringing total of Fund to \$230,000; F. R. Eccles bequests for specific endowment purposes, \$120,000; Grants-in-aid from foundations and outside organizations for research (actual expenditures), \$288,637.70. This includes from the National Research Council \$86,273.78, Defence Research Board \$24,321.82, Federal Health Grants \$48,112.71, National Council Inst. \$22,994.19, Research Council of Ontario \$12,036.48, Life Insurance Medical Research Fund \$17,071.49, Ontario Cancer Treatment and Research Foundation \$13,048.90.

NEW BUILDINGS. Thames Hall, a combined physical educn., athletic, and instructional bldg., completed and occupied. Science Service Lab. of the Federal Dept. of Agriculture, located on campus on land leased from the Univ., under way.

NEW DEPARTMENTS AND POSTS. Sch. of Business Admin. replacing Dept. of Business Admin., Univ. Coll.; Geography, Univ. Coll., to be a separate dept.; Philosophy, Univ. Coll., to be a separate dept.; Biophysics, Fac. of Med., to be a separate dept.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. D. Hughes Parry, former Vice-Chancellor, London; Prof. Lillian Penson, Vice-Chancellor, London; F. R. Eccles Memorial Medical Alumni lectureship, Prof. B. B. Crohn, New York; B. T. McGhie Memorial Lectureship, Prof. J. C. Whitehorn, Baltimore.

RETIREMENTS. E. K. Albright, Associate Prof. Dept. of English, Univ. Coll.; Fred Landon, Vice-President of the University and Dean of Faculty of Graduate Studies; F. R. Miller, Research Prof. of Neurophysiology.

HONORARY DEGREES. *LL.D.*—Field-Marshal the Visct. Alexander of Tunis, Governor-General of Canada; J. H. Crocker, member of Fac. of Arts and Science (now retired); Lady Flora Eaton, Fine Arts benefactor; J. W. Fisher, outstanding Canadian broadcaster; Rt. Hon. W. L. Mackenzie King, Prime Minister of Canada; A. T. Little, Chairman of Univ. Board of Governors for over 30 yrs.; Rt. Rev. G. N. Luxton, Bishop of Diocese of Huron. *D.Litt.*—F. Landon, Vice-President, Univ. of Western Ontario (now retired). *D.D.*—Rt. Rev. R. S. M. Enrich, Bishop of Michigan; C. H. Whittaker, President, Evangelical Lutheran Synod of Nova Scotia; A. A. Zinck, Pastor, Redeemer Lutheran Church, Milwaukee. *D.C.L.*—Hon. L. M. Frost, Premier of Ontario.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	641	2505
Women	689	821
Total	1330	3326

Included in the above are 190 postgraduate students and 409 first-year admissions.

DEGREES, DIPLOMAS, AND CERTIFICATES. Ph.D., 3; M.Sc., 25; M.B.A., 1; M.A., 16; M.D., 93; B.A., 674; B.Sc., 78; B.Sc.L.A., 7; B.Sc.N., 24; Dipl. in Business Admin., 30; Dipl. in Public Admin., 1; Dipl. in Home Econ., 6; Dipl. in Music, 25; Certif. in Public Health Nursing, 16; Certif. Instructor in Nursing, 20.

AUSTRALIA

UNIVERSITY OF ADELAIDE (p. 859)
AUSTRALIAN NATIONAL UNIVERSITY (p. 871)
UNIVERSITY OF MELBOURNE (p. 875)
NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY (p. 892)
UNIVERSITY OF QUEENSLAND (p. 895)
UNIVERSITY OF SYDNEY (p. 905)
NEW ENGLAND UNIVERSITY COLLEGE (p. 922)
UNIVERSITY OF TASMANIA (p. 926)
UNIVERSITY OF WESTERN AUSTRALIA (p. 931)
CANBERRA UNIVERSITY COLLEGE (p. 938)

THE UNIVERSITIES OF 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, 1950, and 1951 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 dependent 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. Members of staff have now been appointed and some Departments have commenced work in Canberra. The Research Schools of Physical Sciences, Social Sciences, and Pacific Studies have been accommodated on the University site, while the Departments of the John Curtin School of Medical Research are located in Canberra, Melbourne, and London.

The year 1949 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 descrip-

tions)—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 New England University College also provides accommodation for most of its students, who are drawn chiefly from the northern part of N.S.W. Unless their homes are in Armidale, students attending the College must take up residence. Owing to the high proportion

of students in residence and to its location, New England University College has developed a strong corporate spirit.

University House at the Australian National University provides accommodation facilities for graduate students and also up-to-date club facilities for all members of the University. Residence in University House will be compulsory for all single students and for married students not accompanied by their wives.

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 Adelaide 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. In Sydney, Melbourne, New South Wales University of Technology, Tasmania, and Western Australia, they are represented by independent statutory right. Elsewhere they are elected as part of the general representation of the academic body by the graduates. Their number is usually limited to three.

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 Sydney there is one elected representative of the undergraduate body who has a seat 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 Tasmania University Act, 1951, provides that the Chairman of the Professorial Board shall be an *ex officio* member; two other members of the teaching staff are elected by that body. The Council may recommend two persons for appointment by the Governor.

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., Australian National Univ., and the Canberra Univ. Coll.).

B. Graduate academic body. As in the British Universities generally, there is in each of the Australian Universities, with the exception of the New South Wales University of Technology, another statutory academic body, consisting in the main, though not in all cases exclusively, of the general body of graduates (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 usually called Senate, but in Melbourne (since 1923) and at the Australian National University it is known as Convocation.

Whilst the main effective function of this body is its electoral choice of its own representatives on the governing body, it has also, in several Universities, powers (often exercised through a Standing Committee) of deliberation, approval, and confirmation in respect of matters submitted to it and in some instances of suggestion, but in no case of initiation of University legislation.

C. Other administrative bodies. The general routine of studies and discipline is usually controlled by a "Professorial Board," whilst the special curricula of studies are the immediate concern of the Faculties and special Boards of Studies. Matters of discipline are in one or two instances dealt with by a special Proctorial Board or Board of Discipline.

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.

In general the minimum academic requirement for admission to the Australian National University is the equivalent to a Master's degree from an Australian or recognized University.

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 Sept. 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 £450 a year gives him quite sufficient means, for the climate is benign and good food is plentiful. The style of living everywhere is unostentatious. Board and lodging should not cost more than £3 : 15s. a week. Meals at the cost of 3s. to 5s. 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 to £3 : 13 : 6 a year. In Adelaide there is a compulsory fee of 5 gs. a year, which covers membership of the Union, Sports Association, and the Health Service. 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, which are entirely separate from University fees, are on an inclusive basis for residence and tutorial assistance and range from £65 to £170 per annum. Thus Wesley College, Sydney, charges £136 a year 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. In Adelaide the fees at St. Mark's College are 160 gs., while fees at Aquinas College and St. Ann's College are 130 gs. each. The University of Western Australia has, since the war, a hostel with accommodation for 140 at a weekly charge of 3 gs. At the New England University College full board and lodging is provided for 3 gs. per week. 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 £350 a year. 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, Applied 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. 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 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. 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. A Faculty of Education was established in 1951 and now controls these courses, which were previously under the Faculty of Arts. 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.

Courses in Physical Education controlled by a Board of Studies and leading to a Diploma are now available in each of the larger Universities.

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, English 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 one year. This course, which is intended for the training of persons who have been appointed as 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 New England University College conducts courses in the main Arts and Science Departments, in many cases to Honours standard. First-year courses for Sydney degrees in Medicine, Veterinary Science, Agriculture and Forestry are available, while students may do the first-year Pharmacy course. Graduate students may take the course for the Diploma in Education.

The Universities of Melbourne (1946), Sydney (1948), Western Australia (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 Hygiene and Tropical Hygiene from the 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 Otolaryngology, in Gynaecology and Obstetrics, in Therapeutic and Diagnostic Radiology, in Psychological Medicine, and in Anaesthesia.

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. At the New England University College the timetable between 4 P.M. and 6 P.M. is so arranged that teachers and others employed in Armidale or district may undertake courses leading to the B.A. degree. Action is proceeding for the New South Wales University of Technology to administer most of the professional diploma courses of the N.S.W. Dept. of Technical Education which require matriculation standard of entrance. Under this arrangement the students of the University attend the courses over a period of from five to six years concurrently with employment in industry, and having qualified for the diploma, are admitted to the degree course with advanced standing and may complete requirements by part-time attendance.

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. (except Melbourne) 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. 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. At the New England University College the Senior Staff Tutor in charge of Tutorial Studies organizes adult education classes and activities in centres widely scattered over the New England region.

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.

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 Aug., or more frequently should occasion demand. The Secretary is Mr. A. J. T. Ford.

As the result of a conference held in Jan. 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. The Commission operates within the general function of the Commonwealth Office of Education and is responsible at the University level for the Commonwealth Reconstruction Training Scheme for ex-service men and for the recently inaugurated Commonwealth Scholarship Scheme. The Director of the Commonwealth Office 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

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Telephone : W 3211.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—The Hon. Sir MELLIS NAPIER, K.C.M.G., LL.B.

VICE-CHANCELLOR—A. P. ROWE, C.B.E., B.Sc. Lond.

REGISTRAR—A. W. BAMPTON.

ASSISTANT REGISTRAR—V. A. EDGELOB, B.A.

LIBRARIAN—W. A. COWAN, M.A. N.Z., B.A. Lond.

TEACHING STAFF

Agriculture, v. Waite Agric.
Research Inst., *infra*

Anatomy, v. also Med.

Abbie, A. A., M.D., D.Sc. Syd.,
Ph.D. Lond. Elder Prof.
Adey, W. R., M.D. Reader.
Packer, A. D., M.Sc., M.D.

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.

Animal Products, v. Animal
Products Research Founda-
tion, *infra*

Bacteriology

..... Prof.
Atkinson, Nancy, M.Sc. Melb.
Reader-in-Charge.
..... Actg. Lectr.
Loutit, J. S., B.Sc.
Jr. Res. Fellow.

*Biochemistry and General Physi-
ology*

Mitchell, M. L., M.Sc. Camb. Prof.

Nossal, P., M.Sc. Syd. Sr. Lectr.
Peirce, A. W., D.Sc. (Agric. B.)
Pt.-time Lectr.

Botany

Wood, J. G., Ph.D. Camb., D.Sc.
Prof.
Black, J. M. (Syst. B.) Hon. Lectr.
Womersley, H. B. S., M.Sc.
(Cryptogamic B.) Sr. Lectr.
Specht, R. L., M.Sc. Lectr.
McCarthy, Doreen F., B.A., B.Sc.
(Biol.) Pt.-time Lectr.
Eardley, Constance M., M.Sc.
Systematic Botanist.
Cruickshank, Donella H., M.Sc.
Sr. 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. Reader.
Jellinek, H. H. G., Ph.D. Lond.
and Camb. Sr. Lectr.
Rodda, H. J., Ph.D. Camb., M.Sc.
Sr. Lectr.

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

Winzor, F. L., D.Sc. Lectr.
 Human, J. P. E., D.Phil. Oxon.,
 M.Sc. Lectr.
 West, B. O., B.Sc. Lectr.
 Urwin, J. R., B.Sc. Lectr.
 Eberhard, S. T., B.Sc.

Pt.-time Lectr.

Mills, J. A., M.Sc. Sr. Research Fellow.
 Gagolski, J., Ph.Mgr. Poland, B.Sc.
 Jr. Res. Fellow.

Classics and Comp. Philol. and Lit.

FitzHerbert, J. A., M.C., M.A. Camb. Hughes Prof.
 Corney, E. R., M.A. Sr. Lectr.
 French, A., M.A. Camb. Sr. Lectr.
 Cowan, W. A., M.A. N.Z., B.A. Lond. Pt.-time Lectr.
 Strehlow, T. G. H., M.A. Sr. Research Fellow in
 Australian Linguistics.

Commerce and Public Admin.

Lecturers

Painter, E. W., A.U.A., F.C.A. Aust. (Accountancy)
 Lectr.-in-Charge.
 Duffield, G. L., A.U.A. (Accountancy).
 Richardson, S. H., F.F.I.A. (Cost Accountancy).
 Palmer, E. W., LL.B. (Coml. Law).
 Kriewaldt, M. R. C., B.A. Wisc., LL.B. (Coml. Law).
 Daymond, L. B., B.Com. Tas. (Coml. Law).
 Tillett, A. C., A.U.A. (Pub. Admin.).
 Carey, E. J., B.Ec. (Pub. Finance).

Dentistry, v. infra

Economics, v. also Com.

Karmel, P. H., B.A. Melb., Ph.D. Camb. Prof.
 Hirst, R. R., M.Ec. Reader.
 Sr. Lectr.

Lecturers

Smith, A. M., B.Ec.
 Grant, J. McB., B.Ec.
 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

Farrent, T. A., B.Sc., B.E. Reader.
 Robinson, A. J., B.C.E. Melb. 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.
 Prime, H. A., M.Sc. Manc. Sr. Lectr.
 Shen, D. W. C., Ph.D. Lond. Lectr.

Engineering, Mechanical

Davis, H. H., B.Sc., B.E. Syd., Ph.D. Camb. Prof.
 Sr. Lectr.
 Duncan, J. P., B.E. Sr. Lectr.
 Davies, P. O. A. L., B.E. Syd. Lectr.

English Lang. and Literature

Jeffares, A. N., M.A. Dub., D.Phil. Oxon. Jury Prof.
 Piper, H. W., B.A. Oxon. Reader.

Lecturers

Elliott, B. R., M.A. W. Aust.
 Muecke, D. C., B.A. Oxon.

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.

Part-time Lecturers
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Rice, Therese M., M.A.

Geography

Lawton, G. H., M.A. Oxon., B.Ed.
Melb., Ph.D. Calif.
Reader-in-Charge.

Part-time Lecturers
Martin, F. C., M.A.
Marshall, Ann, M.Sc. Melb.
Price, A. Grenfell, C.M.G., D.Litt.

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.
Hosfeld, P. S., M.Sc. Lectr.

Geology, Economic

Rudd, E. A., A.M. Harv., B.Sc.
Prof.

German

..... Reader-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., M.A. Reader.
Oldham, W., Ph.D. Lond., M.A.
Sr. Lectr.
Sainsbury, K. A. F., B.A., B.Phil.
Oxon. Lectr.
Woodroffe, Kathleen, M.A.
Lectr.

Law

Blackburn, R. A., B.A., B.C.L.
Oxon., B.A. Bonython Prof.
Donovan, F. P., B.A., B.C.L.
Oxon., LL.B. Q'ld. Reader.
Lecturers
Chamberlain, R. R. St. C., K.C.,
LL.B. (Criminal L.).
Pickering, A. L., LL.B. (Evidence
and Procedure).
Whittington, L. A., LL.B. (Com-
panies, Partnership, Bank-
ruptcy, and Divorce).
Stevens, E. L., LL.B. (Equity and
Conveyancing).
Kriewaldt, M. R. C., B.A. Wisc.,
LL.B. (Property—Real and
Personal).
Piper, F. E., LL.B. (Private Inter-
national L.).
Phillips, E., K.C., LL.B. (Mercan-
tile L.).
Bray, J. J., LL.D. (Jurisprudence,
including Roman L.).
Moulden, A. M., LL.B. (Legal
Ethics).

Mathematical Physics

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Messel, H., B.A., B.Sc. Qu.
Lectr.

Mathematics

Sanders, H. W., M.A. Camb.
Elder Prof.
Statton, J. W., B.Sc. Reader.
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Gray, M. C., B.Sc.
Szekeres, G., Dip.Chem.Eng. Buda-
pest.
Rennie, B. C., Ph.D. Camb.
Lecturer
Potts, R. B., D.Phil. Oxon., B.Sc.
Part-time Lecturers
Cornish, E. A., D.Sc. (Stats.).
Harding, F. Mary, Ph.D. Edin.
M.A. N.Z.

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.) (Min-
ing Engin.) Reader.
Tait, R. W. F., Ph.D. Birm.
(Chemical Engin.) Sr. Lectr.

Music, v. also p. 864—Elder
Conservatorium of Music

Bishop, J. Elder Prof.
Lecturers
Horner, J. A., F.R.C.O.
Parsons, H. S., Mus.Bac.

Pathology

Robertson, J. S., M.B., B.S. Syd.,
D.Phil. Oxon. Marks Prof.
Barter, R. A., M.B., B.S.
Sr. Lectr.

Lecturers
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Topliss, J. G., M.B., B.S.

Pharmacy

Lecturers
Lipsham, E. F.
Bowey, A. E., A.U.A.
Walter, O. H. (For. and Com.
Pharm.).

Philosophy

Smart, J. J. C., M.A. Glas., B.Phil.
Oxon. Hughes Prof.
Finnis, M. M. S., B.A. Sr. Lectr.
Lecturers
Gunner, D. L., M.A. Melb.
Place, U. T., M.A., Dip. Anthropol.
Oxon. (Psychol.).

Physical Education

Apps, B. F. G., B.A., Dip.Ed.,
D.P.E. Melb.
Sr. Lectr.-in-charge.
Barwell, Elizabeth M. Lectr.

Physics

Huxley, L. G. H., M.A., D.Phil.
Oxon. Elder Prof.

Burdon, R. S., D.Sc., F.Inst.P.
Reader.

Senior Lecturers
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Tomlin, S. G., Ph.D. Lond.
Lecturers

Aitchison, G. J., M.Sc.
Crompton, R. W., B.Sc.
Elford, W. G., B.Sc.
Iliffe, M. I. G., B.Sc.
Sutton, D. J., B.Sc.
Medlin, E. H., B.Sc. (Biophys.).

Physiology, General, v. Bio-
chemistry

*Physiology, Human, and Phar-
macology*

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.D. Sr. Lectr.
Kerr, D. I. B., B.Sc. Lectr.
Le Messurier, D. H., M.B., Ch.B.
Edin., B.Sc. Sr. Res. Fellow.

Physiotherapy

Casely, Elma Lectr.-in-charge.
4 Pt.-time Lectrs. and 3 Pt.-time
Demrs.

Social Science

Wheaton, Mrs. Amy G., M.B.E.,
B.Sc. (Econ.) Lond., M.A.
Lectr.-in-charge.
James, Helen M., B.A.
Pt.-time Lectr.

Zoology

..... Prof.
Thomas, I. M., M.Sc. Wales
Sr. Lectr.
McCarthy, Doreen F., B.A., B.Sc.
(Biology) Pt.-time Lectr.
Junior Research Fellows
Angel, L. Madeline, M.Sc.
Thomas, Patricia M., M.Sc.

Dentistry

(See 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. (Dental
Public Health and Services).

Marshman, W. M., B.D.S.
(Children's Dent.).

Instructors

Rice, J. D., M.B., B.S. (Anæsthetics).

Cran, J. A., B.D.Sc. Q'ld. (Radio-graphy).

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.

Barrett, M. J., M.D.S. Reader.
Edwards, H. T. J., D.D.Sc. Lectr.
3 Tutors and 4 Demrs.

Medicine

(See 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.

Lecturers

Beare, F. H., M.D., D.P.M. (Med.).

Hone, F. R., B.Sc., M.D. (Med.).

McLaughlin, E., M.B., B.S. (Med.).

Southwood, H. M., M.D. (Psych. Med.).

Woodruff, P. S., M.D. Melb.,
D.T.M. & H. Syd. (Pulmonary Tuberculosis).

Grant, R. L. T., M.B., B.S.,
F.R.A.C.P. (Med. Dis. of Children) Lectr.

Grant, A. K., M.B., B.S.
Full-time Asst. to the
Director.

6 Tutors in Med., 2 Tutors in Infectious Diseases, 1 Tutor in Pædiatrics.

Division of Surgical Studies

Messent, P. S., M.B., M.S.
Director.

Lecturers

Hobbs, A. F., M.B., B.S., F.R.C.S. (Surg.).

Lendon, A. H., M.B., B.S., F.R.C.S. (Surg.).

Hamilton, I. A., M.B., M.S.,
F.R.C.S. (Surg.).

Lindon, L. C. E., M.B., M.S.,
F.R.C.S. (Neurosurg.).

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).

McKay, D. G., M.B., B.S., F.R.C.S.
Ed. (Surg. Dis. of Children).

Lamphee, A. D., M.B., B.S.
(Anæsthetics).

Tutor

McCoy, H. A., M.B., B.S. Syd.,
D.M.R.E. Camb. (Radiol.).

6 Tutors in Surgery.

..... Full-time Asst. to the
Director.

Gynæcology

Swift, B. H., M.D. Camb., F.R.C.S.
Ed. Way Lectr.

Obstetrics

Hesketh, J. S., M.A., M.B., Ch.B.
Camb. 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.

Animal Products Research Foundation

Marston, H. R., F.R.S.

Chairman, Advisory Bd.

Dawbarn, Mary C., M.Sc.

Research Chemist.

Anti-Cancer Committee

Mayo, J. C., M.D., F.R.C.S. Ed.

Chairman of Cttee. and

Hon. Director, Radio-
therapy Clinic.

Dibden, F. A., M.B., B.S.

Medical Officer.

Heitman, Dorothea S., M.B., B.S.

Asst. Registrar.

Worthley, B. W., B.A., M.Sc.

Physicist.

Tooze, M. J., B.Sc.

Asst. Physicist.

The Elder Conservatorium of Music

Bishop, John Director.

Teachers

Art of Speech

Johnston, F.

*Aural Culture and Musical
Appreciation*

Holder, Alison, Mus. Bac.

Bassoon

Good, J. G.

Clarinet

Martin, C.

Blaylock, A.

Drama

Lewis, Enid.

Flute

Yelland, K.

French Horn

Sadler, B.

Oboe

Post, N.

Opera

Howard, Barbara.

Organ

Horner, J. A., F.R.C.O.

Wylde, H., F.R.C.O.

Pianoforte

O'Connell, R.

Pearce, G.

Horner, J. A., F.R.C.O.

Wylde, H., F.R.C.O.

Leske, C.

Singing

Williams, C. Q.

Gill, Hilda B., A.U.A.

Howard, Barbara.

Violin

Davies, L.

Gmeiner, Clarice, A.U.A.

Violoncello

Parsons, H. S., Mus.Bac.

**Waite Agricultural Research
Institute**Prescott, J. A., C.B.E., D.Sc.,
F.R.S. Director.*Agricultural Chemistry*Prescott, J. A., C.B.E., D.Sc.,
F.R.S. Waite Prof.

Piper, C. S., D.Sc. (Soil C.) Reader.

Best, R. J., D.Sc. Sr. Chemist.
Chemists

Gallus, H. P. C., M.Sc.

Tyson, A. G., B.Sc.

Lewis, D. G., B.Sc.

*Agronomy*Trumble, H. C., D.Sc.
Waite Prof. of Agron.
Reader.

..... Woodroffe, K., B.Ag.Sc.

Sr. Agronomist.

Bond, M. E., M.A., Dip.Agric.
Camb. Mortlock Res. Fellow.Black, J. N., B.A. Oxon.
Agronomist.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., Ph.D.

Entomologist.

Lower, H. S. F.

Systematic Entomologist.

Madge, P. E., B.Sc. Syd.

Res. Fellow.

*Genetics*Catcheside, D. G., M.A. Camb.,
D.Sc. Lond., F.R.S. Prof.

Pugsley, A. T., M.Sc.

Sr. Plant Geneticist.

Mayo, G. M. E., B.Ag.Sc.

Plant Geneticist.

Abele, K., M.A. Riga, Ph.D. Mar-
burg Cytologist.*Plant Pathology*Hansford, C. G., M.A., Sc.D.
Camb., F.L.S.

Reader-in-Charge.

Warcup, J. H., Ph.D. Camb.,
M.Sc. N.Z.

Sr. Microbiologist.

Plant Pathologists

Flentje, N. T., Ph.D. Lond., M.Sc.

Kerr, A., B.Sc. Edin.

*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.

ADMINISTRATIVE AND OTHER STAFF

Academic Sec., H. E. Wesley Smith, Dip.Ed. Oxon., B.A. Accountant,
W. L. Burke, B.A., B.Ec. Syd. Sec. of Boards of Public Examinations, H. R.
Othams, B.A. Cashier, D. W. Wallis. Costing and Equipment Officer, E. S.
Wyett. Sec. of Waite Agricultural Research Inst., G. L. Gooden.

ASSOCIATED OR AFFILIATED INSTITUTIONS

RESIDENTIAL : ST. MARK'S COLLEGE, Pennington Terrace, North Adelaide,
S.A. (Telephone : M. 9211.) Under management of Church of England, but
open to men of all denominations. Opened for students in March 1925.
Master : A. Grenfell Price, C.M.G., D.Litt., Dip. in Ed. Oxon.

ST. ANN'S COLLEGE, Brougham Place, North Adelaide, S.A. (Telephone :

M. 9078.) Open to women of all denominations. Opened for students in March 1947. Principal: F. Mary Harding, M.A. N.Z., Ph.D. Edin.

AQUINAS COLLEGE, Montefiore Hill, North Adelaide. (*Telephone*: M. 9944.) 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, B.A. Melb.

S. AUSTRALIAN SCHOOL OF MINES AND INDUSTRIES, North Terrace, Adelaide. (*Telephone*: W. 1771.) President, Prof. Sir Kerr Grant, M.Sc., F.I.P. Principal, R. W. Parsons, M.E. Affiliated with the Univ. for the provision of certain courses and exams. in Archit., Mining, Metall. and Chem., Elect., Mech. and Civ. Engin.

ROSEWORTHY AGRICULTURAL COLLEGE, Roseworthy, S.A. Principal, R. N. McCulloch, D.Sc. Q'ld. Affiliated for parts of the B.Ag.Sc. course for Agric. students.

TEACHING HOSPITALS ASSOCIATED WITH MEDICAL SCHOOL. Royal Adelaide Hospital, approx. 800 beds, apart from subsidiary hospitals for cancer, tuberculosis, infectious diseases, etc.; Queen 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. It began with endowments of £20,000 each from Sir W. W. Hughes and Sir Thomas Elder, a land grant of 50,000 acres (subsequently repurchased by the govt. for £40,000), a site of 5 acres in the city, and an annual govt. subsidy of 5 per cent. on endowments. The original site was increased to 8 acres in 1920, to 14 acres in 1927, and in 1929 to 27 acres. The govt. subsidy on endowments is limited to £40,000. The Council consists of the Chancellor, the Vice-Chancellor, 20 members elected by the Senate and (since 1911) 5 elected by Parliament. State grants (apart from the subsidy on endowments) for annual running costs have been increased from time to time and amounted in 1950 to £97,600, excluding an amount of £42,500 for the Waite Agricultural Research Inst. The total value of the endowments is over £1½ million, and the income in 1950 was £413,168.

LIBRARY. Approx. 158,000 vols.

LABORATORIES. At the Univ.—Anat., Bacteriol., Biochem., Bot., Chem., Engin. (Civil, Elect., Mech., Mining, Metall. and Chem. Engin.), Geol., Histol., Pathol., Physics, Physiol., Pharmacol., and Zool. At the Waite Inst.—see below.

The ELDER CONSERVATORIUM OF MUSIC, established in 1898, is part of the Univ., and provides tuition in a wide range of studies in the performance of music. Its students include not only those proceeding to the Univ. diploma but also many others who wish to study a principal subject (e.g. singing or pianoforte) or to undergo training in group work such as orchestral and operatic performances and who satisfy the Dir. of their fitness to be admitted.

The WAITE AGRICULTURAL RESEARCH INSTITUTE was established in 1924 as a result of a gift by the late Mr. Peter Waite of an estate of 299 acres, a mansion-house, and a trust fund of £58,450. Subsequent endowments and govt. grants have expanded the work of the Inst., the annual expenditure of which in 1950 was £76,865. The purpose of the Inst. is "to further the cause

of research and education in agriculture and allied subjects"; its departments comprise Agricultural Chem., Agronomy, Entomol., Genetics, Plant Pathol. and Plant Physiol.

OTHER SPECIAL RESEARCH DEPARTMENTS. (1) Field Lab. at Koonamore for investigation of plant regeneration in arid areas. (2) Sheridan Medical Research Foundation for the support of medical res. (3) Animal Products Research Foundation, which conducts investigations into problems of animal nutrition, see Staff List, *supra*. (4) Board for Anthropological Res. on the aboriginals of S. Australia. (5) The Anti-Cancer Cttee. directs res. into the cause, treatment, and cure of cancer.

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 Educn.; 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.Ag.Sc., M.Ec., M.E., LL.M., M.D.S.; 3 yrs.', M.D., M.S., D.D.Sc., Mus.Doc.; 4 yrs.', D.Sc., LL.D., D.Litt.; and Ph.D. for res. within the Univ.

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 articulated 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., Mus.Bac., M.D.S., M.E., LL.M., 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.; 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 £75; Economics about £75; Science about £135; Engineering about £170; Law about £130; Medical, £240 (excluding Hospital, £65, and incidentals, £50); Dental, £250 (plus incidentals, £35); Music, £70; 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.

The COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION's Section of Statistics and Division of Biochem. and General Nutrition are housed within the Univ. grounds and its Division of Soils at the Waite Inst.—a total of about 50 scientific res. officers and their ancillary staff.

ENTRANCE REQUIREMENTS. In general the qualifications for matricn. in any Fac. are passes in 5 subjects, including specified subjects for each Fac., at the Leaving Certif. Examn. which is held at the end of the fourth yr. of secondary study. **OVERSEAS CANDIDATES.** The Univ. accepts the matricn. examination of any U.K. Univ. provided only that the subjects specified by Adelaide are included (*e.g.* Latin or Greek is required for matricn. in Arts). Candidates from other countries in which the examns. are held may present the Oxford or Cambridge School Certif. provided that it includes credits or distinctions (*a*) in at least 5 approved subjects, (*b*) in the subjects specified for the various Facs., and (*c*) in English Lang.

EXTERNAL DEGREES. The Univ. does not award any degree or diploma for external studies, though in certain courses, *e.g.* Arts, Law, and Commerce, S. Australian students may, in special circumstances, be exempted from attendance at lectures.

ADULT EDUCATION. The Joint Cttee. of the Univ. and the W.E.A. conducts an extensive range of lecture, tutorial and discussion classes and study circles for adults in the metropolitan area of Adelaide. Tutor-in-Charge: E. G. Biaggini, D.Litt.

APPOINTMENTS BOARD. The Univ. maintains a small appointments service for the benefit of jr. graduates. Sec.: the Asst. Registrar.

MUSEUMS. One each in the Depts. of Anat., Bot., Geol., Pathol. and Physiol.

SERVICE UNITS. The Univ. Regiment was formed in 1947 and the Univ. Air Squadron in 1950.

STUDENT HEALTH SERVICE. The Univ. Union provides a student health service which embraces without charge to the student a full medical and physical examn., including X-ray, Mantoux, etc., and advice about specific treatment (if any) needed and general health matters. The Univ. through its Dept. of Physical Educn. is developing a physical and recreational health service for all students apart from the facilities for organized games offered by the Sports Assoc.

SPORTS ASSOCIATION. All full-time students, both men and women, are members of the Sports Assoc., which provides facilities for the whole range of organized games played in S. Australia. The playing fields are situated in the park lands near the Adelaide Oval, less than half a mile from the Univ.

UNIVERSITY UNION. All full-time students are also members of the Union (compulsory annual fee of £5 : 5s. covers membership of both the Union and the Sports Assoc.). The Union controls the refectory and maintains the Health Service. Sec. of the Union and of the Sports Assoc., K. T. Hamilton.

The GRADUATES UNION is a constituent member of the Univ. Union. Hon. Sec., S. J. Jacobs, LL.B.

RESIDENCE. St. Mark's College (accommodates about 100 men), fee for residence during term about £160 p.a. St. Ann's (about 50 women), fee for residence during term about £130 p.a. Aquinas (about 50 men), fee for residence during term, about £130 p.a.

PUBLICATIONS. *Calendar* (April), 7s. 6d.; *Public Examinations Manual* (April), 5s.; *Degree and Diploma Examination Papers*, 4s.; *Regulations*, 2s.; *Syllabuses and Timetables*, 2s.; *Australian Journal of Experimental Biology and Medical Science*, two-monthly, £2 (Aust.) p.a.; *Joseph Fisher Lecture in Commerce*, free. Student Publications. *On Dit* (fortnightly), 1d.; *Phoenix* (annually), 1s.; *Science Journal* (annually), 2s.; *Engineering Journal* (annually), 2s.

THE YEAR 1950

BENEFACTIONS. The late J. T. Mortlock bequeathed £20,000 as an endowment to promote scientific res. in the medical school and £1000 a yr. for 15 yrs. for res. into prevention of soil erosion and rehabilitation of eroded lands in the dry pastoral areas of S. Australia. He also directed that half of his residuary estate be entrusted to the Univ. for the promotion of the work of the Waite Agricultural Res. Inst. The late W. D. Grigg left the residue of his estate (estimated to be about £17,000) as an endowment for the purposes of the Waite Inst.

NEW BUILDINGS. The new medical bldg. was completed and the depts. of Physiol. and Pathol. and the medical library moved into occupation. Considerable progress made on the new Geol. bldg. which, it is expected, will be ready for occupation at the end of 1951.

REGULATIONS. The degree of Master of Agricultural Science was re-established and minor amendments made to a number of other statutes and regulations.

ADULT EDUCATION WORK. The joint cttee. for tutorial classes held 9 tutorial classes, 15 lecture classes, and 1 study circle at the Univ., and Art exhibitions at six country towns.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Sir Ivor Jennings, Vice-Chancellor, Univ. of Ceylon, who gave a public lecture on "Law in the Making"; J. T. Wilson, Prof. of Geophysics, Univ. of Toronto: "The Musk Ox Exercise"; J. B. Condliffe, Prof. of Econs., Univ. of Calif.: "The Economic Consequences of Scientific Research"; R. Peers, Prof. of Adult Educn. and Deputy Vice-Chancellor, Univ. of Nottingham: "Recent Developments in Adult Education"; J. T. Burke, Prof. of Fine Arts, Univ. of Melbourne: "William Hogarth" and "Australian Art"; F. J. Browne, Emeritus Prof. of Obstetrics and Gynæcol., Univ. Coll., London: "Toxæmias"; F. G. Blake, Prof. of Medicine, Yale Univ.: "Antibiotics" and "Hepatic Disease"; A. Grade, Prof. of Dermatology and Syphilology, Long Island Coll. of Medicine: "Skin Diseases" and "Syphilis"; Prof. B. Maegraith, Dean of School of Tropical Med., Univ. of Liverpool: "The Physiological Approach to Medicine"; Sir Howard Florey, Prof. of Pathol., Univ. of Oxford; six Vice-Chancellors—Dr. F. Cyril James (McGill), Sir Philip Morris (Bristol), Dr. S. M. Hossain (Dacca), Mr. S. Sinha (Patna), Sir A. L. Mudaliar (Madras), Mr. D. Emrys Evans (Wales); Dr. D. W. Logan, Principal of the University of London; and Dr. J. F. Foster, Secretary of the Association of Universities of the British Commonwealth.

RETIREMENTS. Prof. J. McKellar Stewart from Hughes Chair of Philos., which he had held for 28 years; Prof. G. V. Portus (Political Science and History, 17 yrs.); I. B. Jose (Surgical Studies, 15 yrs.); Dr. G. A. Lendon (Med., 12 yrs.); Dr. D. R. W. Cowan (Tuberculosis, 15 yrs.); and G. F. Seaman Statistics and Actuarial Maths., 15 yrs.).

RESIGNATIONS. W. C. R. Brooke (Physics) and J. W. Pletts (Electrical Engin.) resigned to take up appointments with the Long Range Weapons Establishment.

DEATHS. W. J. Isbister, member of Council for 44 yrs. ; Dr. J. I. Guenther (Pathol.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1868	1601
Women	742	453
Total	2610	2054

Included in the above are 172 postgraduate students and 963 first-year admissions (of which 617 enrolled with a view to proceeding to a University degree or diploma).

DEGREES AND DIPLOMAS. *Degrees:* B.Ag.Sc., 11 ; M.A., 5 ; B.A., 73 ; M.D.S., 1 ; B.D.S., 25 ; M.Ec., 1 ; B.Ec., 11 ; M.E., 1 ; B.E., 56 ; LL.B., 9 ; M.D., 1 ; M.S., 1 ; M.B., B.S., 22 ; Mus.Bac., 1 ; D.Sc., 3 ; M.Sc., 10 ; B.Sc., 106 ; Ph.D., 2. *Diplomas:* Arts and Educn., 54 ; Commerce, 30 ; Educn., 31 ; Final Certif. in Law, 2 ; Music, 7 ; Pharmacy, 21 ; Physical Educn., 9 ; Physiotherapy, 12 ; Public Admin., 3 ; Social Sci., 17.

THE AUSTRALIAN NATIONAL UNIVERSITY *

Founded 1946

Postal Address : Box 4, G.P.O., Canberra, A.C.T.

Cables and Telegrams : Natuniv, Canberra.

Telephone : 593.

CHANCELLOR—The Rt. Hon. THE VISCOUNT BRUCE OF MELBOURNE,
P.C., C.H., M.C., C.G., B.A., Hon. LL.D. Camb., F.R.S.

VICE-CHANCELLOR—Prof. Sir DOUGLAS B. COPLAND, K.B.E., C.M.G.,
M.A., D.Sc. N.Z., Litt.D. Melb., Q'ld., and Harv., LL.D. McG.

DIRECTOR, RESEARCH SCHOOL OF PHYSICAL SCIENCES—Prof. M. L. E.
OLIPHANT, B.Sc. Adel., M.A., Ph.D. Camb., LL.D. St. And.,
D.Sc. Melb., Tor., Belf., and Birm., F.I.P., F.R.S.

REGISTRAR—R. A. HOHNEN, B.Ec. Syd.

LIBRARIAN—A. L. G. McDONALD, B.A. Melb.

ADMINISTRATIVE OFFICER IN THE UNITED KINGDOM—R. L. MATHEWS,
B.Com. Melb., 27 Russell Square, London, W.C.1. *Cables and
Telegrams* : Natuniv, London. *Telephone* : Langham 4871.

ACADEMIC STAFF

JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

Biochemistry

(This Dept. at present located
at the Commonwealth Serum
Labs., Parkville, N.2, Victoria.)

Ennor, A. H., D.Sc. Melb. Prof.
Phillips, D. M. P., B.Sc., Ph.D.
Lond. Res. Fellow.

Experimental Pathology

Watson, G. M., M.B., B.S. Adel.,
D.Phil. Oxon. (working in
Radcliffe Infirmary, Oxford)
Res. Fellow.

Medical Chemistry

(This Dept. at present located
at the Wellcome Research In-
stitution, London.)
Albert, A., B.Sc. Syd., Ph.D.
Lond. Prof.

Fellows

Brown, D. J., M.Sc. Syd., Ph.D.
Lond.
Short, L. N., M.Sc., Dip.Ed. Syd.

Microbiology

(This Dept. at present located
at the Walter and Eliza Hall
Inst. of Med. Research, Mel-
bourne.)

Fenner, F. J., M.B.E., M.D., B.S.
Adel., D.T.M. Syd. Prof.

Physiology

Eccles, J. C., M.B., B.S. Melb., M.A.,
D.Phil. Oxon., F.R.A.C.P.,
F.R.S. Prof.

Member of the Association of Universities of the British Commonwealth.

RESEARCH SCHOOL OF PHYSICAL SCIENCES

Oliphant, M. L. E., B.Sc. Adel., M.A., Ph.D. Camb., LL.D. St. And., D.Sc. Melb., Tor., Belf., and Birm., F.I.P., F.R.S. Director and Prof.	Scarf, F., M.Sc. Birm. (Radio- chem.) Reader. Wilson, R. S., Ph.D. Liv. Fellow.
Titterton, E. W., Ph.D. Birm. (Physics) Prof.	Research Fellows Barker, F. C., M.Sc. Melb. Blamey, J. W., M.Sc. Melb.
Woolley, R. v. d. R., M.Sc. Cape T., M.A., Ph.D. Camb. (As- tron.) Hon. Prof.	Champion, K. S. W., B.Sc. Syd. Hibbard, L. U., B.Sc., B.E. Syd. Symonds, J. L., M.Sc., B.E. Syd.
Jaeger, J. C., D.Sc. Syd., M.A. Camb. (Geophys.) Prof.	de Vaucouleurs, G., L. ès Sc., D.U.P.

RESEARCH SCHOOL OF SOCIAL SCIENCES

<i>Economics</i> Swan, T. W., B.Ec. Syd. Prof. Brown, H. P., B.A. Melb. (E. Stats.) Reader.	Borrie, W. D., M.A. N.Z. (Demo- graphy) Sr. Res. Fellow.
<i>History</i> Fitzhardinge, L. F., B.A. Syd., M.A. Oxon. (Sources of Aust. Hist.) Reader.	<i>Law</i> Sawer, G., LL.M. Melb. Prof.
	<i>Political Science</i> Webb, L. C. Reader.

RESEARCH SCHOOL OF PACIFIC STUDIES

<i>Anthropology</i> Nadel, S. F. S., D.Phil. Vienna, Ph.D. Lond. Prof. Stanner, W. E. H., M.A. Syd., Ph.D. Lond. (Compar. Social Institutions) Reader. Research Fellows Belshaw, C. S., M.A. N.Z., Ph.D. , Lond.	<i>Geography</i> Spate, O. H. K., D.Phil. Camb. Prof. <i>International Relations</i> Crocker, W. R., B.A. Adel., M.A. Oxon. Prof. Lindsay, M. F. M., M.A. Oxon. Sr. Res. Fellow.
Read, K. E., M.A. Syd., Ph.D. Lond.	<i>Pacific History</i> Davidson, J. W., M.A. N.Z., Ph.D. Camb. Prof.

ADMINISTRATIVE AND OTHER STAFF

Asst. to the Registrar, M. Brown, LL.B. Melb. Asst. to the Registrar,
E. H. Clark, B.A. Melb. Accountant, W. S. Hamilton, A.A.U.Q. Property
and Purchasing Officer, A. A. McDonald, B.A. W. Aust. Laboratory Manager
(Medical School), A. F. Bunker. Lab. Manager (Physical Sciences), R. Pur-
chase. Veterinary Officer (Medical School), W. K. Whitten, B.Sc., B.V.Sc. Syd.

GENERAL INFORMATION

The Australian National University was founded by an Act of the Parliament
of the Commonwealth of Australia in 1946. The Act provided for the establish-
ment at Canberra of a Univ. consisting of a Council and Convocation, and
graduate and undergraduate members. The Council is the governing body of

the Univ., but in the Univ.'s early years, until July 1951, its affairs were in the hands of an Interim Council. The permanent Council, which has now been constituted, consists of not more than thirty members, including the Vice-Chancellor, four members elected by Parliament, up to eight appointed by the Governor-General, up to nine elected by Convocation, three elected by the academic staff and two by students. Under the founding Act, the primary function of the Univ. is to encourage and provide facilities for postgraduate research, both generally and in relation to subjects of national importance to Australia. As was contemplated by the Act, the Univ.'s activities are in the first instance concentrated on the establishment of four Research Schools—the John Curtin School of Medical Research (named after Australia's wartime Prime Minister), and Research Schools of Physical Sciences, Social Sciences, and Pacific Studies—the development of other Schools and the offering of undergraduate courses having been indefinitely deferred.

In 1947 the Interim Council set up an Academic Advisory Cttee., comprising four distinguished scholars in England, whose interests fell within the ambit of the respective Research Schools. The original members were Sir Howard Florey (Adviser to the John Curtin Sch. of Medical Res.), Prof. M. L. Oliphant (Adviser and later Dir. of the Res. Sch. of Physical Sciences), Prof. R. W. Firth (Adviser to the Res. Sch. of Pacific Studies), and Prof. W. K. Hancock (Adviser to the Res. Sch. of Social Sciences). In 1949 Prof. K. C. Wheare succeeded Prof. Hancock. The Cttee. took a major part in the original planning of the Schools, and in the recruitment of staff for them.

It is intended that each School should be led by a Director, but the responsibility for the organization of the work of particular Depts. within the Schools will rest with their professorial heads. In addition to the Directors and Professors, the staff comprises permanent Readers and Fellows, and short-term Sr. Research Fellows and Research Fellows. The Univ. is seeking to provide members of staff with the most favourable feasible conditions for the advanced prosecution of research. They will have their whole time available for research, their teaching and administrative duties being of a quite minor kind. They will have opportunity to move about among their colleagues in Australia. Professors will be at liberty to take a yr.'s study leave with full salary after each 3 yrs. of service and Readers after each 5 yrs. of service.

The Res. Schools of Physical Sciences, Social Sciences, and Pacific Studies are at work in Canberra, a permanent lab. bldg. having been erected for the former, and the latter two being housed temporarily. The Depts. of the John Curtin Sch. of Medical Res., some of which have been in operation since 1948, are working in various places (shown in the Staff list) pending the bldg. of labs. in Canberra. The Univ. is being built, and will be maintained, by funds supplied by the Commonwealth of Australia.

Each Dept. of the Res. Schools accepts a very small number of graduate res. students of first-class calibre, the general minimum entrance qualification being a Master's degree or its equivalent in a University of sr. standing. Each student is assigned to a supervisor, and pursues a course of res. under supervision. Subject to certain conditions, the student may proceed to the Ph.D. degree (normally after three yrs.' work) or an M.A. or M.Sc. (usually after two yrs.' work). The Univ. will also confer the degrees of D.Litt., D.Sc., and LL.D. for distinguished work in appropriate fields published by persons with a real connexion with the Univ.

ANNUAL FEE: £A52 : 10s. (covers all charges except board and residence).

Single students are normally required to live in University House (*see infra*), and married students within easy access of the Univ. precincts.

From 1948 to 1950 the Univ. awarded some 60 res. scholps. to relatively

recent graduates of high promise, for study abroad. At present the Univ. offers 15 scholps. annually, but they are now intended mainly to support some specially able students working in the Univ. itself. In addition, two or three general scholps. are still offered to graduates to work abroad in fields not covered by the Res. Schools. The emoluments of the scholps. tenable in the Univ. vary according to the scholar's circumstances, but are of the order of £A600-£A750 p.a.

The Univ. from time to time issues invitations to distinguished sr. scholars to visit Australia, conducting discussions with interested people not only in Canberra but in the other Australian Univs.

The Library, which was assembled in Melbourne and brought to Canberra late in 1950, now comprises some 30,000 bound vols. and 20,000 periodicals.

The sr. academic body of the Univ. is the Board of Graduate Studies, which consists in general of the Dirs. and Profs. The Board assists the Council by tendering advice on all questions affecting education, learning, and research in the Univ. There is also a Faculty (in the English sense) within each of the Res. Schools.

Convocation will eventually consist mainly of the Council and graduates of the Univ., but at the outset opportunity has been taken to add to it the Chancellor and Vice-Chancellor and five other representatives of each other Australian Univ. institution.

The Univ. site consists of 204 acres of well-situated land in the Canberra suburb of Acton. The first permanent bldg. to be erected is the lab. of the Res. Sch. of Physical Sciences. University House, which will provide collegiate accomm. for about 100 single staff members and graduate students, and form a social centre and fac. club for the Univ., is well advanced and is being brought into partial use. The labs. for the John Curtin School of Medical Res. are at an early stage of bldg., and bldgs. for the other two schools, the Library, and ancillary services are being planned. Housing is a major problem in Canberra and in the present difficult situation the Univ. has undertaken complete responsibility for finding living accomm. for the members of its staff and students. Flats and houses are being built.

The Univ. has not as yet published a *Calendar*; enquiries should be made of the Registrar. A news bulletin describing the Univ.'s development is issued gratis every few weeks, and will be supplied on request.

THE YEAR 1950

The substantial operation of the Univ. began. The first of the Res. Schools, those of Social Sciences and Pacific Studies, began work in temp. quarters in Canberra. The Univ. Library moved to Canberra and began full operation. The recruiting of staff for all the schools continued. Considerable progress in the bldg. of University House, the Physical Sciences labs., and a number of dwellings was made. Plans worked out for the labs. of John Curtin School of Medical Research.

VISITING SCHOLARS. Sir Ivor Jennings, Vice-Chancellor, Univ. of Ceylon: "Problems of Federalism and Administrative Law." Prof. J. T. Wilson (Geophys.), Univ. of Toronto: "Geophysics and Earth Structure." Prof. J. B. Condliffe (Economics), Univ. of California: "The Dollar Shortage and World Trade." J. S. Furnivall, Rangoon: "The Impact of Europe on the Tropical Far East." Prof. A. R. Todd (Chem.), Univ. of Oxford: "The Impact of Chemistry on Biology and Medicine." Prof. B. G. Maegraith (Tropical Med.), Univ. of Liverpool: "The World Conquest of Malaria."

STUDENTS. No students admitted until shortly after the close of 1950.

UNIVERSITY OF MELBOURNE*

Founded and Incorporated 1853

Postal Address : Carlton, N.3, Victoria.

Telephone : F. 0484.

- VISITOR—H.E. THE GOVERNOR OF VICTORIA, SIR DALLAS BROOKS
K.C.B., C.M.G., D.S.O.
- CHANCELLOR—HON. SIR CHARLES JOHN LOWE, M.A., LL.B.
- DEPUTY-CHANCELLOR—SIR JOHN NEWMAN MORRIS, C.M.G., M.B., B.S.
- VICE-CHANCELLOR—PROFESSOR GEORGE WHITECROSS PATON, B.A.,
B.C.L. Oxon., M.A.
- REGISTRAR—F. H. JOHNSTON, B.A., B.Com., J.P.
- DEAN OF GRADUATE STUDIES—J. S. ROGERS, M.C., B.A., D.Sc., Dip.Ed.,
F.I.P.
- ACCOUNTANT—R. P. TEMBY.
- ASSISTANT REGISTRAR—A. J. G. WILLIAMS, B.Arch.
- ACADEMIC SECRETARY—J. C. WOODHOUSE, B.A. Syd.
- LIBRARIAN—LEIGH SCOTT, M.A.

TEACHING STAFF

- Accountancy*, v. Com. Russell, K. F., M.B., M.S.,
F.R.A.C.S. Assoc. Prof.
- Agriculture*, v. also Bot. Senior Lecturers
- Wadham, S. M., M.A. Camb. and Ray, L. J., M.B., B.S., Ph.D.
Melb., Agr.Dip. Camb. Prof.
- Leeper, G. W., M.Sc. (Agr. Chem.) Lavarack, J. O., M.B., B.S. (Em-
Assoc. Prof. bryol. and Histol.).
- Senior Lecturers Lecturers
- Vasey, G. H., B.C.E. (Agric. Swaney, W. E., M.B., B.S.,
Engin.) F.R.A.C.S.
- Robinson, T. J., M.Sc. (Agric.), W. Roche, A. F., M.B., B.S.
Aust., Ph.D. Camb. (Physiol. 3 Pt.-time Officers.
- of Domestic Animals).
- Hird, F. J. R., M.Agr.Sc. (Ag. *Anthropology*
- Biochem.). Thomson, D. F. F., O.B.E., Ph.D.,
Dip. Anthropol. Camb. and
Syd., D.Sc. Research Fellow.
- Aitken, Yvonne, M.Agr.Sc. Lectr.
- 7 Lectrs. (Pt.-time Officers).
- Anatomy* *Architecture*
- Sunderland, S., M.D., B.S., D.Sc., Lewis, B. B., B.Arch., M.A. Liv.,
F.R.A.C.P. Prof. F.R.I.B.A., F.R.A.I.A. Prof.

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

Senior Lecturers
 Featherstone, R. E., Dip.Arch.
 Des.
 Grounds, R. B. (on leave).
 Berg, R., Dip.Arch.Des.
 Temp. Sr. Lectr.
 Waugh, H. L., Dip.Arch.
 Janeba, F. A., Dip. Arch. Vienna
 Temp. Sr. Lectr.
 Lecturer
 Good, Eileen M. F., Dip.Arch.
 Evening Staff: Atelier Lec-
 turers
 Ward, D. C., F.R.A.I.A.
 Murphy, J. G.
 Part-time
 1 Sr. Lectr., 10 Lectrs., 2 Demrs.

Bacteriology, v. Med.

Biochemistry

Trikojus, V. M., B.Sc., D.Phil.
 Oxon., M.Sc. Prof.
 Rawlinson, W. A., M.Sc.
 Assoc. Prof.
 Legge, J. W., M.Sc. Sr. Lectr.
 Hird, F., M.Agr.Sc., Ph.D. Camb.
 Sr. Lectr.
 Crabtree, Muriel G., M.Sc. Lectr.
 Cahn, Mrs. Audrey J., B.Agr.Sc.,
 Dip. Diet. (App. Dietetics and
 Food Preparation and Nutri-
 tion) Lectr.
 Dickinson, Jean C., M.Sc. (on
 leave) Sr. Demr.
 Springell, P. H., B.A. Camb.
 Temp. Sr. Demr.
 Marginson, M.A., B.Sc.
 Temp. Sr. Demr.
 Neville, Margaret E. S., B.Sc.
 Demr.
 3 Pt.-time Officers.

Botany and 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.
 Fawcett, Stella G. M., M.Sc.
 Sr. Lectr.
 Cookson, Isabel C., D.Sc. (Re-
 search) Lectr.
 Blackwood, Margaret, M.Sc.
 Lectr.
 Mathieson, Marjorie J., M.Sc.,
 Ph.D. Camb. Lectr.
 Clifford, H. T., B.Sc. Sr. Demr.
 Weeks, D. C., B.Sc. Sr. Demr.
 Winkworth, R. E., B.Sc. Syd.
 Sr. Demr.
 Matthaei, E. A. F., Dip. Optics,
 Jena (Microscopy) Lectr.

Chemistry, v. also Physiol.

Hartung, E. J., D.Sc. Prof.
 Davies, W., D.Sc. Manc. and
 Melb., D.Phil. Oxon. (Organic
 C.) Assoc. Prof.

Senior Lecturers

Ampt, G. A., B.Sc. (Analytical C.).
 Hambly, A. N., M.Sc., Dip.Ed.
 (Physical C.) (on leave).
 Harris, G. M., M.Sc. Sask., A.M.,
 Ph.D. Harv. (Phys. C.).
 Buchanan, A. S., B.Sc., Ph.D.
 (Phys. C.).
 Cooke, R. G., M.Sc. Adel. (Organic
 C.).
 Pausacker, K. H., M.Sc., D.Phil.
 Oxon. (Organic C.).
 Pyke, L. R. D., M.A. Oxon., B.Sc.,
 Dip.Ed. Oxon.

Lecturers

Sugden, Ruth, M.Sc.
 Stephenson, Emily F. M., M.Sc.,
 Ph.D. Glas. (Organic C.).
 O'Donnell, T. A., M.Sc.

Senior Demonstrators

Alexander, Jean L., M.Sc.
 Bloink, G. J., B.Sc. (Organic C.).
 Segal, W., B.Sc. (Organic C.).
 Palmer, A. R., B.Sc. (Phys. C.).
 Swaine, D. J., M.Sc. (Anal. C.).

Andersen, F. I., B.Sc. Q'ld.
(Phys. C.).

Craig, R. A., M.Sc. (General C.).

Bradbury, J. H., M.Sc.

Temp. Sr. Demr.

3 Pt.-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., Litt.D. (on
leave) Assoc. Prof.

Lecturers

Gellie, G. H., M.A., B.Ed.

Alcock, P. B., M.A. Camb., B.A.
Syd.

2 Pt.-time Officers.

Commerce

Wood, G. L., M.A. Tas., Litt.D.

Prof.

Senior Lecturers

Foenander, O. de R., LL.M.,
Litt.D. (Industrial Relns.).

Goldberg, L., B.A., M.Com.
(Acctcy.).

Lecturers

Bayne, Mary M., M.A., Dip.Ed.
(Econ. Geog.).

Wilson, R. K., M.A. Lond., B.A.
N.Z. (Econ. Geog.).

Kerr, Jean S., B.Com. (Acctcy.).

Stewart, W. J., B.A., B.Com.
(Acctcy.).

Senior Tutor

Donath, E. J., M.A. Vienna (Econ.
Geog.).

Temporary Research Officers

Lengyel, S. J., M.Ec., Dip.Ed.
Budapest.

Grobtuch, Alicia, B.A. Beirut.

34 Pt.-time Officers.

Dentistry, v. Affiliated Inst.

Dutch, v. Germanic Languages

Economic History

La Nauze, J. A., M.A. Oxon.

Prof.

Dunsdorfs, E., D.Ec. Riga

Sr. Lectr.

Cairns, J. F., M.Com.

Lectr.

Tucker, G. S. L. Actg. Sr. Tutor.

2 Pt.-time Officers.

Economics, v. also Com.

Prest, W., M.A. Leeds, M.A.
(Com.) Manc., M.Com. Prof.

Senior Lecturers

Weller, G. A., B.Sc. (Econ.) Lond.,
B.Com.

Polglaze, Muriel J., M.Com.

Hocking, D. M., M.A.

Isaac, J. E., Ph.D. Lond., B. Com.

Cochrane, D., Ph.D. Camb., B.Com.
(Math. Econ.).

Temporary Senior Tutors

Trehwella, Nancy J., B.Com.

Drake, Joan F., B.A., B.Com.

Brunt, Maureen, B.Com. Tutor.

6 Pt.-time Officers.

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. Calif., M.Ed. Sr. Lectr.

Lecturers

Cartwright, R. (Educn.).

Coates, T. H., B.Sc., M.Ed., Ph.D.
(Org. of Edn. and Adult Edn.).

Battersby, Olive, B.A.

Sr. Tutor and Librarian.

21 Pt.-time Lecturers.

Engineering, v. *infra*

English Lang. and Lit.

Maxwell, I. R., B.Litt. Oxon.,
B.A., LL.B. Prof.

Macartney, K. L., M.A. Camb.,
B.A. (Drama) Assoc. Prof.

Senior Lecturers

Scott, W. A. G., B.Litt. Oxon.,
B.A.

Jennings, Vera C., M.A.

Lecturers

Dobson, T. P., B.A.

Mitchell, R. B., B.A.

Temp. Lectr.

Hayward, W., M.A. Corn.

Temp. Lectr.

Senior Tutors

Tennent, Amy G. C., M.A., Dip.
Ed.

Gibson, Leonie J., B.A. (on leave).

Marks, R. E., B.A.

Cowling, Muriel M., B.A. Leeds,
Dip.Ed.

O'Keefe, Mary T., B.A.

Brissenden, R. F.

Buckley, V. T., B.A.

*Fine Arts*Burke, J. T., M.A. Lond., Yale
and Melb. Prof.

Philipp, F. A., B.A. Lectr.

1 Pt.-time Officer.

*Forestry*Chinner, J. H., B.Sc. Oxon. and
Melb. Sr. Lectr.-in-charge.

10 Pt.-time Officers.

*French*Chisholm, A. R., B.A. Syd. and
Melb. Prof.

Senior Lecturers

Karagheusian, V. N. T. (on leave).

Sussex, R. T., D. de l'U. Paris,
M.A., LL.B.

Lecturers

Canart, P. L. J. G., B.A.

Smith, I., B.A., D. de l'U. Paris.

Burger, C. H., M.A.

5 Pt.-time Officers.

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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.Aust. (Palæontol.)

Sr. Lectr.

Wilcock, A. A., B.Sc., B.Ed.

(Geography) Sr. Lectr.

Hauser, H. B., M.Sc. Lectr.

Gaskin, A. J., M.Sc. Seismologist.

den Tex, E., Dr.Phil.Nat. Leyden

Lectr.

White, D. A., B.Sc. W.Aust.

Sr. Demr.

Mann, J. S.

Demr.

Medwell, Lorna M.

Demr.

Finlay, Cecily, B.Sc. Syd.

Research Asst.

1 Pt.-time Officer.

*Germanic Languages*Samuel, R. H., D.Phil. Berl.,
Ph.D. Camb. Prof.Coverlid, Dorothea R., M.A.,
Dip.Ed. (German) Sr. Lectr.Smit, J., Litt.D. Utrecht (Dutch)
Sr. Lectr.

Wiemann, H., M.A. (German)

Lectr.

van Abbé, D. M., M.A. Camb.
(German) Lectr.Meijer, R. P., M.A. Amst. (Dutch
and Germanic Philol.)

Temp. Lectr.

MacLean, H., M.A., Dip.Ed. (Ger-
man) Sr. Tutor.

8 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.

Senior Lecturers

Harper, N. D., M.A., B.Ed. (on
leave).O'Brien, J. L., B.A. Camb. and
Syd.McBriar, A. M., D.Phil. Oxon.,
B.A.

MacKirdy, K. A., M.A. Br. Col.

Actg. Sr. Lectr.

Lecturers

Ericksen, R. F. S., B.A.

Baragwanath, L. E., B.A. (on
leave).

Main, J. M., B.A. (on leave).
 Adam, L., LL.D. Greifswald.
 Philipp, June M., B.A. Actg. Lectr.
 Ingham, S. M., M.A. Actg. Lectr.
 Williams, C. M., B.A. (on leave) Asst. Lectr.
 Yule, G. S. S., M.A. Actg. Lectr.
 Gregory, J. S., B.A. Actg. Lectr.
 Serle, A. G., D.Phil. Oxon., B.A. Actg. Lectr.
 Gröves, M. C., B.A. Actg. Lectr.
 Senior Tutors
 Kiddle, Margaret, M.A., Dip.Ed.
 Mulvaney, D. J., B.A.
 Inglis, K. S., B.A.
 Mackie, J. A. C., B.A.
 Poynter, J. R. Tutor.
 4 Pt.-time Officers.

History and Methods of Science

Buchdahl, G., B.A. Sr. Lectr.-in-charge.
 Dyason, Diana, M.Sc. Lectr.
 Clendinnen, F. J. Tutor.

Law

Professors

Cowen, Z., M.A., B.C.L. Oxon., B.A., LL.M. (Public Law).
 Derham, D. P., M.B.E., B.A., LL.M. (Jurisprudence).

Senior Lecturers

Turner, A. L., B.A., LL.M.
 Ford, H. A. J., LL.M.
 Morris, N. R., Ph.D. Lond., LL.M.
 Maher, F. K. H., M.A., LL.B. Temp. Sr. Lectr.

Independent Lecturers (Pt. - time)

Gilbert, R. L., B.A., LL.B. (Contracts).
 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).
 Aickin, K. A., LL.M. (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).
 Fox, P. M. (Conveyancing).
 Dunn, R. H., LL.M. (Crim. Proc.).
 Coghill, E. H., LL.M. Tutor.
 Crockett, W. C., LL.M. Tutor.
 Tutors in Drafting and Conveyancing (Pt.-time)
 Ness, K. A.
 Birch, F. L.
 Joseph, M. H.
 Pearce, A. D.
 Kearney, J. F.

Tutors in Contract
 Frost, S. T., LL.M.
 Harris, W. O., LL.M.
 Blake, Airlie, LL.B.

Tutors in Mercantile Law

Martin, W. J., LL.B.
 Martin, T. W., LL.B.
 Tutor in Tort
 Mornane, J. W. J., B.A., LL.M.

Mathematics, Pure and Mixed

Cherry, T. M., Ph.D., Sc.D. Camb., B.A. Camb. and Melb. Prof.
 Love, E. R., Ph.D. Camb., B.A. Camb. and Melb. Assoc. Prof.

Senior Lecturers

Behrend, F. A., Ph.D. Berl., Sc.D. Prague.
 Schwerdtfeger, H. W. E., Dr.Phil. Bonn.
 Syer, F. J. D., B.A., Dip.Ed.
 Brown, A., Ph.D. Camb., M.A. Glas.

Lecturers

Hutton, Eleanor S., M.A. Camb., B.Sc. W.Aust.

Lester, Margaret, B.A. (on leave).

Senior Tutors

Bowen, E. W., B.A., B.Sc.

Chew, V., B.Sc. W.Aust.

Upton, C. J. F., B.A. Oxon.

Greig, D. J., B.Sc. W.Aust.

Medicine, v. infra

Metallurgical Research

Greenwood, J. N., D.Sc. Manc. and

Melb., M.Met.E. Prof.

Wood, W. A., D.Sc. Lond., F.I.P.

Sr. Res. Fellow.

Metallurgy, v. Engineering, infra

Meteorology

Loewe, F., Ph.D. Berl. (on leave)

Sr. Lectr.-in-charge (Commonwealth).

Research Officers (Commonwealth)

Albrecht, F., Ph.D., Dr.Habil. Berl.

Radok, U., B.Mech.Eng. Munich.

Grant, Alison M., M.Sc. Res. Asst.

Mineralogy, v. Geology, supra

Mining, v. Engineering, infra

Music

Heinze, Sir B. T., Degré Sup.

Schola Cantorum, Paris, Mus.

Doc. W.Aust., LL.D. Br. Col.,

M.A., F.R.C.M.

Ormond Prof.

Jones, Rev. P.

Philology, v. Classical Philology, supra

Philosophy

Gibson, A. B., M.A. Oxon., D.Litt.

Camb., B.A. Prof.

Gasking, D. A. T., M.A. Camb.,

B.A. Liv. Assoc. Prof.

Senior Lecturers

Jackson, A. C., M.A.

Falk, W. D., M.A. Oxon., Ph.D.

Heidelberg.

Lecturers

Warren, Olga M., M.A.

Orr, S. S., M.A. Belf.

Baier, K. E. M., M.A. (on leave).

Sawers, R., M.A. Oxon.

Actg. Lectr.

5 Pt.-time Officers.

Physical Education

Duras, F., Dr.Med. Freiburg,

M.Ed. Sr. Lectr.-in-charge.

McConchie, Lorna J., Dip.Phys.

Ed. Lectr.

Willee, A., B.A., Dip.Phys.Ed.

Lond. Lectr.

Gill, Eunice, B.A., Dip.Phys.Ed.

Temp. Lectr.

21 Pt.-time Officers.

Physics

Martin, L. H., Ph.D. Camb., F.I.P.

Prof.

Associate Professors

Hercus, E. O., M.Sc. N.Z., D.Sc.,

F.I.P. (on leave).

Mohr, C. B. O., Ph.D. Camb.,

F.I.P.

Senior Lecturers

Bower, J. C., M.Sc., Ph.D. Camb.,

F.I.P.

Hopper, V. D., D.Sc., F.I.P.

Sir Thomas Lyle Research

Fellow

Rathgeber, H. D., D.Ing. Stuttgart.

Lecturers

Kannuluik, W. G., D.Sc.

Cherry, R. O., M.Sc.

Dunbar, D. N. F., M.Sc. N.Z.

Allen, Natalie C. B., M.Sc.

Nelson, Edith A., M.A., M.Sc.

Darby, J. F. G., M.Sc.

Hirst, F., M.Sc. Temp. Lectr.

Senior Demonstrators

Laby, Jean E., B.Sc.

Abbey, R. L., M.Sc.

Officer, V. C., M.Sc. N.Z.

Dyer, A. J., M.Sc.

McDonell, J. A., B.A., B.Sc.

Bird, J. R.
 Muirhead, E. G.
 Norman, J. R., B.Sc.
 Temporary Demonstrators
 McKenzie, Eunice D., B.Sc.
 Mauldon, G. F.
 Quinn, A. J., B.Sc. N.Z.
 Hanekamp, Viola, B.Sc. W.Aust.

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.

Senior Lecturers

Reid, G., M.D., B.S.

Agar, W. T., B.Sc. Oxon. and Melb.,
 M.B., B.S.

Temporary Lecturers

Trethewie, E. R., D.Sc., M.D.,
 B.S.

Keogh, Patricia P., M.Sc.

Senior Demonstrators

Brewster, Blanche L., B.Sc.

Hutchinson, Margaret.

Ludemann, Delys, B.Sc. W.Aust.

Shankly, K. H., B.Sc.

Plant Physiology, v. Botany,
supra

Political Science

Ball, W. M., M.A. Prof.

Ward, E. E., M.A. Sr. Lectr.

Davies, A. F., B.A. Sr. Lectr.

Churchward, L. G., M.A., Dip.Ed.
 Lectr.

Wolfsohn, H. A., B.A. Lectr.

Petrie, W. F., B.A. Sr. Tutor.

3 Part-time Officers.

Psychology

Oeser, O. A., M.Sc. S.A., Ph.D.
 Camb., Dr.Phil. Marburg,
 M.A., F.B.Ps.S. Prof.

Senior Lecturers

McElwain, D. W., M.A. N.Z.,
 Ph.D. Lond., F.B.Ps.S.

Buckle, D. F., B.Sc., M.B., B.S.,
 D.P.M. Lond.

Lafitte, P., B.Sc. Lond.

Hammond, S. B., B.A. W.Aust.

Lecturers

Maddox, H., B.A. Lond.

Langley, P. D., B.A. W.Aust.,
 B.Ed.

Emery, F. E., B.Sc. W.Aust.

Senior Tutors

Ryan, Cecily, B.A. W.Aust.

Middleton, Margaret R., B.A.

Tutors

De La Lande, Margaret B., B.A.

Leaper, Patricia M., B.A.

Macmillan, M.B., B.Sc. W.Aust.

Robertson, Margaret K., B.A. W.
 Aust.

Rogers, P., B.A. W.Aust.

Scott, Cleo H., B.A.

Craig, J. D., Mus.Bac., B.A.

Research Officers

Katz, F. M., B.A.

Penny, R. E. C.

Sharp, G. B., B.A.

Jeffrey, A. C., M.B., B.S., B.Sc.

Tutor.

Wertheim, Eleanore S. Tutor.

14 Pt.-time Officers.

Pub. Health, v. Med., *infra*

Russian

Christesen, Nina, B.A. Q'ld.

Lectr.-in-charge.

Christa, B., B.A. Camb. Lectr.

Yashounsky, Margot E. Sr. Tutor.

2 Pt.-time Officers.

Semitic Studies

Goldman, M. D., Ph.D. Berl.,
 M.A. Prof.

Gurewicz, S. B., B.A., LL.B.

Lectr.

3 Pt.-time Officers.

Social Studies

Hoban, Eileen R., B.A., B.Com.,
 Dip.Ed., Cert. Soc. Sc. & Adm.
 Lond. Director.

Lecturers

Livingstone, A. S., B.A. (on leave).

Rennison, Gwendoline A., M.A.

Camb., Cert. Soc. Sc. & Adm.

Lond.

McBriar, Laurie R. C., B.A.

Hyde, Alice, Dip.Soc.Stud. Liv.

Hartshorn, Alma, B.A. Q'ld., Dip.

Soc.Stud. Syd.

10 Pt.-time Officers.

Statistics

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Syd., M.A. Assoc. Prof.

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Binet, F. E., Dr.Med. Budapest

Sr. Tutor.

Douglas, J. B., B.A., B.Sc., Dip.

Ed. Res. Asst.

Surveying, v. Engineering, *infra*Veterinary Science, v. *infra*

Zoology

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D.Sc. Adel., F.R.S. Prof.

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Drummond, F. H., B.Sc. W.Aust.,

Ph.D. Lond.

Clark, A. M., Ph.D. Camb., M.Sc.

Boardman, W., M.Sc. Syd. (on

leave).

Willis, A. G., M.Sc. Wales.

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Mollison, Essie L., M.Sc.

Liddell, Jean J., M.Sc. Syd.

Richards, Joyce R., M.A. N.Z.

Sr. Demr. and Margaret

Catto Scholar.

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Engineering

Civil Engineering

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Prof.

Sexton, C. W. N., M.C.E. (Civil

Eng.) Assoc. Prof.

Wood, J. V., B.C.E. Sr. Lectr.

Laszlo, F., D.Ing. Darmstadt,

Dipl.Ing. Budapest

Sr. Lectr.

Brett, T. M., B.C.E.

Lectr.

Trollope, D. H., M.Sc. Wales

Lectr.

Coldicutt, Elizabeth B., M.Sc.,

Dip.Ed.

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Electrical Engineering

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M.E.E.

Prof.

Ferguson, A. E., M.E.E.

Sr. Lectr.

Brownlee, T., B.Sc. (Elec. Eng.)

Glas.

Sr. Lectr.

Broadbent, D., B.Sc. (Elec. Eng.)

Birm.

Lectr.

Martyn, R. O.

Sr. Demr.

Docker, I. R. W.

Sr. Demr.

Jackson, C.

Demr.

Jones, E.

Demr.

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M.E. Syd.

Prof.

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Hunt, K. H., M.A. Oxon.

Sr. Lectr.

Gaze, G. C., B.A., B.Mech.E.

Sr. Lectr.

Rennie, E. J. C., M.E. Adel.,

M.Mech.E.

Temp. Sr. Lectr.

Kettleborough, C. F., B.Eng.,

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Lectr.

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Demr.

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Demr.

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Prof.

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graphy).

Guerin, B. D. (Assaying).
 Hoggart, J. S., B.Met.E. (Mech.
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Dunkin, H. H., B.Met.E.
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(for subjects of first 3 yrs.—Anat.,
 etc., v. *supra*)

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 Gray, D. F., D.Sc. Q'ld., B.V.Sc.
 Syd., Dip.Bact. Lond.
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 M.Sc. Sr. Lectr.
 Paine, H. N., B.S. Chic. Lectr.
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 Mushin, Rose, M.Sc., Ph.D.
 Gibson, F. W. E., B.Sc. (on leave).
 Public Health Laboratory
 Wilson, M. M., M.B., B.Chir., M.A.
 Camb. Asst. Dir.

Swaby, L. J., B.Agr.Sc.
 Sr. Bacteriologist.
 Ormerod, S., B.M., B.Ch., M.A.
 Oxon. Sr. Bacteriologist.
 Bacteriologists
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Director, Walter & Eliza
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 King, W. E., M.D., B.S.
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M.Sc. N.Z. and Melb., M.D.,
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Mackay, A. J. G., M.B., B.S.

King, J. L., D.M.R.E. Camb.,
M.B., B.S.

Surgery, v. also *Medicine*, *Clinical*, and *Clinical Surgery*, p. 884

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(Pt.-time) Stewart Lectr.

Burnside, K. B., M.B., B.S.,
F.R.C.S., F.R.A.C.S.

(Pt.-time) Stewart Scholar.

Trumble, H. C., M.C., M.B., B.S.,
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Tutor.

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Part-time Lecturers

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F.R.A.C.P.

Springthorpe, G. H., M.B., B.S.

Hughes, J. F., M.D., B.S., D.T.M.

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Part-time Lecturers

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F.R.C.S., F.R.A.C.S.

Hardy, C. W. K., M.B., B.S.

Mortensen, H. N., M.B., M.S.,
F.R.C.S.Ed., F.R.A.C.S.

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Director.

Pullar, E. M., D.V.Sc.

Sr. Vet. Res. Officer.

Gorrie, C. J. R., B.V.Sc.

Vet. Res. Officer.

Swift, Norma H., B.Sc.

Bacteriologist and Bio-
chemist.

Garland, Minnie E., B.Sc., Dip.
Diet. Milk Bacteriologist.

Cornish, Elizabeth C., B.Agr.Sc.
Milk Bacteriologist.

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UNIVERSITY WOMEN'S COLLEGE, Carlton, N.3, Victoria. (Telephone: FJ 2539.) (Udenom.) Principal, Myra E. Roper, M.A. Camb., Dip.Ed. Lond. 10 Tutors.

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GENERAL INFORMATION

The Univ. was founded in 1853 by Act of the Victorian Legislature. In 1950, total receipts amounted to £1,048,075 as against an expenditure of £1,080,580. The State Government has fixed an amount of £451,350 as its 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, 166,049 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**, Parkville. **WALTER AND ELIZA HALL RESEARCH INSTITUTE** in connexion with Royal Melbourne Hospl., Parkville.

FACULTIES AND DEANS (1951). Arts, Prof. J. T. Burke; Education, Prof. G. S. Browne; Science, Prof. O. W. Tiegs; Law, Prof. Z. Cowen; 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. W. Prest.

ENTRANCE REQUIREMENTS. Students who have qualified to matriculate in another University recognized in this respect may be admitted to matriculation status. In addition, for some faculties they may be required to have passed in certain prerequisite subjects at a standard equivalent to that of the Melbourne Matriculation Examination. Prospective students should write to the Registrar of the University as early as possible.

DEGREE COURSES. 3 yrs.—B.A. (Ordinary), B.Sc., B.Sc.F., 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.Chem.E., B.Agr.Sc. (including 1 yr. at an approved Agricultural College); 5 yrs.—B.Arch., B.D.Sc.; 6 yrs.—M.B., B.S. The University is prohibited by Act of Parliament from conferring degrees in Divinity; degrees of B.D. and D.D. are conferred by the Melbourne College of Divinity (non-Univ.).

HIGHER DEGREES. Open to Bachelors of 1 yr.'s standing—M.Agr.Sc., LL.M., M.Eng.Sc.; 2 yrs.—B.Ed., M.Sc., M.Sc.F., M.D., M.S., M.D.Sc., M.V.Sc.; 3 yrs.—M.Ed., M.C.E., M.M.E., M.Met.E., M.E.E., M.Mech.E., Mus.Doc., D.V.Sc.; 4 yrs.—D.Sc., LL.D., D.D.Sc.; 5 yrs.—D.Eng., M.Arch., D.Arch.; 7 yrs.—Litt.D. The M.A. and M.Com. are open to Bachelors (Honours) of 1 yr.'s standing and Bachelors (Ordinary) of 2 yrs.' standing. The B.Ed. course (of 2 yrs.' duration) can be taken after graduation in any other Faculty. Standing required before admission to the Ph.D. course varies according to the Faculty in which prior degree was taken. Courses of medical postgraduate study arranged by special Committee on which Univ. is represented.

DIPLOMAS. D.P.H., open to med. grads. of Melb. and persons qualified for registration as med. practrs. in U.K., 12 mos.; Ophthalmology, Laryngology and Otology, Gynæcology and Obstetrics, Therapeutic Radiology, Diagnostic Radiology, Anæsthesia and Psychological Medicine (D.O., D.L.O., D.G.O.,

D.T.R., D.D.R., D.A., D.P.M.), open by examn. to med. grads. of 3 yrs.' experience in practice. Dip. Anal. Chem., 9 mos. following 3 yrs.' course in Chem.; Dietetics (Dip. Diet.), 1 yr. following B.Sc. or B.Agr.Sc. course; Dip.Ed., 1 yr. following graduation in any other Faculty; Commerce, Journalism, Physical Education, Public Admin. (Dip. Com., Dip. Journ., Dip. Phys. Ed., Dip. Pub. Admin.), 2 yrs.' undergraduate study; Arch. Design, Music, Social Studies (Dip. Arch. Des., Dip. Mus., Dip. Soc. Stud.), 3 yrs.' undergraduate study; Dip. Agr., 4 yrs.' undergraduate study.

FEES. Matricn., 2 gs.; Degree (except Dental Science, 8 gs.), 10 gs.; Degree courses in Agric., 4 yrs., £213; Archit., 5 yrs., £233; Arts, 3 yrs., £125; 4 yrs., £154; Commerce, 3 yrs., £147; 4 yrs., £154; Dental Science, 5 yrs., £348; Educn., 2 yrs., £63; Engin., 4 yrs., £201; Law, 4 yrs., £193; Medicine, 6 yrs., £379; Music, 4 yrs., £147; Science, 3 yrs., £154; Sports and Union fees, £4: 10s.; Union Entrance Fee, £2: 10s.

NON-MEMBERS OF UNIVERSITY are not admitted to classes.

ADULT EDUCATION. Adult education in Victoria, which was formerly directed by the University Extension Board, is now controlled by the Council of Adult Education under the provisions of a special Act of Parliament.

VACATION COURSES. No regular courses are provided by the University, but from time to time certain departments arrange special courses during the long vacations.

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.

Sir Thomas Lyle Fellowship in Physics; H. W. C. Simpson Research Scholp.; Georgina Sweet Fellowships: (a) in Economic Zool.; (b) in Medicine; (c) in Economic Geol.; Hirsh and Olga Taft Interchange Scholp.; Dunlop Rubber Company Research Scholps. in Physics. and Chem.; Vacuum Oil Co. Research Scholp.; Aitchison Travelling Scholp.; University Travelling Research Scholps. (2); W. E. J. Craig Travelling Scholp.; Sir John and Lady Higgins Research Scholp.; Kilmany Scholp.; Sir Arthur Sims Travelling Scholp.; John and Eric Smyth Travelling Scholp.; Dixon Research Scholp. in Engin.; Caroline Kay Scholarships in Botany and Vet. Anat. or Vet. Biochem.; W. T. Mollison Scholps. in French, German, Italian or Dutch and Japanese or Chinese; Wyselaskie Scholps. (6); A. M. White Scholps.; Randal and Louisa Alcock Scholps.; Margaret Catto Scholp.; Beaney Scholps. in Pathol. and Surg.; Grants and Scholps. from Commonwealth and Victorian State Govt. funds; I.C.I.A.N.Z. Research Fellowships (2); Grimwade Prize; Harbison-Higinbotham Scholps.; Ernest Scott Prize; David Syme Research Prize.

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. accommodate over 600 resident students. Trinity College (160 gs.), 119 students; Janet Clarke Hall (125 gs.), 67 students; Ormond College (170 gs.), 140 students; Queen's College (165 gs.), 100 students; Newman College (120 gs.), 100 students; University Women's College (125 gs.), 46 students.

PUBLIC EXAMINATIONS. The University through its Schools Board holds School Intermediate and School Leaving exams. throughout Victoria annually. Pupils of certain secondary schools (approved after inspection) may obtain credit on headmaster's certificate without sitting for external examn. The Matriculation Examn. (1 yr. after School Leaving) is held for pupils seeking to enter the Univ. Special provision exists for the matriculation of discharged members of the Services and persons over 21 years of age.

APPOINTMENTS BOARD. The Appointments Board provides an employment service for men and women with Univ. training. It has reciprocal agreements throughout Australia and the U.K. whereby Boards of other Univs. make their services available to graduates and undergraduates of the Univ. of Melbourne. The Board also arranges vacation work.

GRADUATES' ASSOCIATION. In 1938, when the present Union House was created, a graduates' section of the Melbourne Univ. Union came into being. By the end of 1950, membership of the society had risen to over 2000. The Graduates' Section produces each term its own magazine: *The Melbourne Graduate*. Women graduates may belong to the Melbourne Women Graduates' Association, a branch of the Australian (and International) Federation of University Women.

TEACHING HOSPITALS. Royal Melbourne Hospital, Alfred Hospital, St. Vincent's Hospital.

MILITARY AND AIR FORMATIONS. Melbourne University Regiment (military) and University Air Squadron (air).

STUDENT HEALTH SERVICE. The Students' Representative Council, in conjunction with Commonwealth X-ray and Radium Labs., conducts a free X-ray service. It also conducts a free eye-testing scheme in conjunction with the Australian Coll. of Optometry. The S.R.C. has also set up a Blood Bank.

ATHLETIC FACILITIES. Facilities for cricket, football, athletics, tennis, hockey, basket-ball, baseball, rowing, squash racquets.

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 Examination Papers*, in sets, 1s. 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; *Melbourne Graduate* (magazine of Graduates' Section); *Circulars to Schools*, published about 10 times a year and forming a link between the University and the secondary schools. Students' journals: *Melb. Univ. Magazine*; *Farrago* (fortnightly); *Speculum* (Medical); *The Margin* (Commerce); *Res Judicata* (Law); *Science Review* (Science); *Cranks and Nuts* (Engineering); *Present Opinion* (Arts).

The MELBOURNE UNIVERSITY PRESS, founded in 1922, publishes works by members of the Univ. and other writers on learned subjects in Australia and New Zealand. It also sells text-books, and caters for students' requirements in stationery and apparatus.

THE YEAR 1950

BENEFACTIONS. Estate of J. J. I. Winter, £2607, res. Estate of Dr. F. Haley, £2076, medical res. Anon., £2000, Depts. of Metallurgy and Mech. Engin. Anon., £1000, Dept. of Psychol. Commonwealth National Fitness

Fund, £2000, Dept. of Physical Educn. S. Kosky, £1000, prize in Political Sci. and for Political Sci. Library. Estate of F. M. Meade, £1000, scholp. in Surg. S. Australian Govt., £1000, fuel res. T. A. McKay, £1000, "T. Allan McKay Scholp. for Pianoforte." Estate of W. H. Dawson, £2900, bursary in biological sciences. Victorian Chamber of Manufactures, £1000, Chem. bldg. Anon., £6000, Conservatorium Vice-Director. Mr. and Mrs. V. Kimpton, £5000, Agr. School Building and Kimpton Theatre. Other minor monetary benefactions totalling £13,701.

NEW BUILDINGS. Library extension completed. One storey added to Physics Sch. bldg. (in course of erection). Extension to administrative bldg. Tribophysics bldg. (in course of erection). Many temp. bldgs.

NEW DEPARTMENTS AND POSTS. Dept. of Langs. (Science Courses). Professorship of Germanic Langs. Dean of Graduate Studies and Warden of Overseas Students. Vice-Directorship of Conservatorium of Music. Assoc. Professorship in Bacteriol.

PRINCIPAL CHANGES IN REGULATIONS. Increase in fees for all courses. Revision of course for Degree of M.Com. Revision of regulation for B.Agr.Sc. to include a system of passing by yrs. Introduction of a course in Chemical Engin. (B.Chem.E.).

ADULT EDUCATION. Adult education in Victoria, formerly directed by the Univ. Extension Board, now controlled by the Council of Adult Educn. under the provisions of a special Act of Parliament.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. R. V. Bradlaw, Durham, on "The History of Dentistry." Prof. J. Fletcher, Episcopalian Coll., Cambridge, Mass., on "Academic Freedom in the U.S.A." Sir Howard Florey, Oxford, on "Medical Research." Sir Ivor Jennings, Ceylon, on "Commonwealth Relations in Asia." Prof. R. Peers, Nottingham, on "Adult Education in England." Prof. C. G. S. Simkin, Auckland Univ. Coll., on "Economic Policy in New Zealand." D. Emrys Evans, Univ. Coll. of N. Wales, on "The Welsh People." Dr. F. Cyril James, McGill, on "The Tradition that Binds." Sir Raymond Priestley, Birmingham, on "Polar Exploration." Dr. C. E. Raven, Christ's Coll., Cambridge, on "Recent Relations between Science and Religion."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Amies represented the Univ. at the Jubilee celebrations of the Univ. of Birmingham. Dr. Aughterson visited England and the U.S.A. to study developments in educational practice. Dr. A. S. Buchanan worked at Oxford on chemical kinetics. Prof. Cherry visited Cambridge, Manchester, and Harvard. Mrs. N. Christesen visited Univs. in England. A. E. Coates visited medical centres and investigated surgical teaching in Britain, Europe, and the U.S.A. F. A. Janeba visited architectural schs. and lectured in Vienna. Dr. F. Laszlo worked at Cambridge. Assoc. Prof. Sexton visited schools of Engin. in India, Pakistan, and Ceylon. Prof. Wood investigated postgraduate schools of business admin. in Britain, Europe, and the U.S.A.

RETIREMENT. Prof. P. MacCallum (Pathol.).

RESIGNATIONS. Prof. W. G. Friedmann (Public Law), apptd. to Chair of Law at Univ. of Toronto. J. Gani (Maths.). A. D. Hope (English), apptd. to Chair of English at Canberra Univ. Coll. Dr. J. W. Johnstone (Obstet.). Dr. R. L. Kamm (Metall.). Dr. P. H. Karmel (Economics), apptd. to Chair of Economics at Univ. of Adelaide. Prof. J. A. L. Matheson (Mech. Engin.), apptd. to Chair of Civil Engin. at Univ. of Manchester. A. J. McIntyre (Agric.).

Miss J. Millis (Biochem.), apptd. Sr. Lectr., Univ. of Malaya. N. M. Richmond (Political Science). R. J. Storer (Maths.), apptd. Sr. Lectr., Univ. of Western Australia.

DEATHS. Dr. H. D. Brasch (Mech. Engin.). Dr. A. Hart, member of Standing Cttee. of Convocation. Dr. L. S. Latham, member of Council.

HONORARY DEGREES. *D.D.Sc.*—R. V. Bradlaw, Dean of Fac. of Dental Sci., Univ. of Durham. *LL.D.*—Bertrand Russell, eminent philosopher.

STUDENTS.

	<i>Part-Time *</i>	<i>Full-Time</i>
Men	2935	4097
Women	856	1115
Total	3791	5212

Included in the above are 260 postgraduate students and 1782 first-year admissions.

DEGREES. *Agric.*: B.Agr.Sc., 35. *Archit.*: B.Arch., 38. *Arts*: B.A. (Hons.), 111; B.A., 295; M.A., 28; Litt.D., 2. *Commerce*: B.Com. (Hons.), 5; B.Com., 226; M.Com., 4. *Dental Science*: B.D.Sc., 56; M.D.Sc., 4; D.D.Sc., 3. *Educn.*: B.Ed., 25; M.Ed., 1. *Engin.*: B.C.E., 23; B.E.E., 16; B.Mech.E., 15; B.M.E., 1; B.Met.E., 3; M.C.E., 1; M.E.E., 1; M.Mech.E., 1; M.Eng.Sc., 6. *Law*: LL.B., 53; LL.M., 18; LL.D., 1. *Medicine*: M.B., B.S., 147; M.D., 11; M.S., 3. *Music*: Mus.Bac., 20. *Science*: B.Sc., 167; B.Sc.F., 2; M.Sc., 19; M.Sc.F., 2; D.Sc., 4. *Vet. Science*: D.V.Sc., 2.

* Includes External Students.

NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY *

Established 1948

Incorporated by Act of Parliament 1949

Postal Address : Broadway, Sydney, New South Wales.

Telegraphic Address : Tecol, Sydney.

Telephone : M. 0422.

PRESIDENT—WALLACE C. WURTH, C.M.G., LL.B. Syd.

VICE-PRESIDENT—ROY WILLIAM HARMAN, M.Sc. N.Z., D.Sc. Lond.

DIRECTOR—ARTHUR DENNING, B.Sc., Dip.Ed. Syd.

REGISTRAR—GODFREY L. MACAULEY, B.Ec. Syd.

SECRETARY TO THE COUNCIL AND ASSISTANT REGISTRAR—JOHN S.
FRASER.

ACCOUNTANT—EDWIN H. DAVIS.

TEACHING STAFF

Applied Chemistry

Alexander, A. E., M.A., B.Sc.
Reading, Ph.D., Sc.D. Camb.,
F.C.S. Prof.

Applied Physics

Astbury, N. F., M.A. Camb.,
F.I.P., F.R.S.A. Prof.

Architecture

Towndrow, F. E., F.R.I.B.A.,
F.R.A.I.A. Prof.

Chemical Engineering

Baxter, J. P., O.B.E., B.Sc.,
Ph.D. Birm. Prof.

Civil Engineering

Munro, C. H., B.E. Syd.
Assoc. Prof.
M'Kay, G. R., B.Eng., Ph.D.
Liv. Sr. Lectr.

Economic History

Hartwell, R. M., M.A., Dip.Ed.
Syd. Prof.

Electrical Engineering

Brown, H. J., B.Sc., M.E. Syd.
Prof.

Mathematics

Bosson, G., M.Sc. Lond.
Assoc. Prof.

Mechanical Engineering

Willis, A. H., B.Sc. Eng., Ph.D.
Lond. (Research)
Assoc. Prof.
Wood, J. F. D., B.Sc., B.E. Syd.
Assoc. Prof.

Mining Engineering

Phillips, D. W., B.Sc. Wales,
Ph.D. Camb., Dip.Met.Min.,
F.G.S. Prof.

Wool Technology

M'Mahon, P. R., M.Agric.Sc.
N.Z., Ph.D. Leeds
Assoc. Prof.

2 Research Officers, 12 Technical Officers.

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

In addition, the staff of the Sydney Technical College is assisting with courses on behalf of the New South Wales University of Technology.

GENERAL INFORMATION

Incorporated by Act of New South Wales Parliament in April 1949, the N.S.W. University of Technology was established to meet the urgent demand in Australia for increasing numbers of technologists and applied scientists, and to provide them with the means of advanced training and research. Provision is made for the govt. of the Univ. by a Council representative of Parliament, industry and commerce, the trade unions, technical educn., professional bodies, the Univ. of Sydney, and of the Univ.'s own teaching staff and its undergraduates and graduates. The Council may provide courses in applied sci., engin., technol., commerce, industrial organization and such other related courses as it deems fit, and may, after examination, confer the several degrees of Bachelor, Master, and Doctor, and such other degrees and such certificates in the nature of degrees or otherwise as it thinks fit. Power to decentralize the University's activities, both in its co-operation with industry and in its teaching services, is given to the Council, which is authorized to establish and maintain branches, depts., or colls. at Newcastle, Wollongong, Broken Hill, or such other places in the State of New South Wales as it may approve.

The Univ. of Technology instituted its first degree courses in Civil, Electrical, Mechanical, and Mining Engineering in March 1948, this initial step being made possible by the work of the Developmental Council, appointed in Aug. 1947. These courses were planned to give students lecture and lab. instruction in the Univ. of Technology for approximately half the yr., with practical experience of a planned nature in industry for the remainder of the yr. Degree courses in Applied Chem. and Chemical Engin. began in March 1949. A degree course in Archit. was introduced in 1950, and degree courses in Applied Physics and Wool Technol. are to be established in 1951. Pending the completion of its own bldgs. and the acquisition of equipment, the Univ. has at its disposal the resources of the Dept. of Technical Educn.

Two features are emphasised in undergraduate courses. The first is the incorporation in the syllabus of industrial experience to supplement the lab. and lecture-room work at the Univ. In the Fac. of Engin. this practical work amounts to five months a yr., and is supervised and organized to suit the stage and syllabus of each course of study. Secondly, in all undergraduate courses, the study of general subjects, such as language and literature, hist., economics and psychol., is compulsory. These courses are designed to broaden the experience and interests of the student and thus to assist him to take the place in human affairs for which he is otherwise qualified.

Facilities are available to students already in employment and enrolled in appropriate courses at Technical Colls. to transfer at certain stages to degree courses at the Univ. of Technology. Conversion courses, the first of which began in 1950, permit those who hold such qualifications from Technical Colls. and from other Univs. to resume their studies and to proceed to a degree or higher degree of the New South Wales University of Technology.

FACULTIES AND DEANS. Applied Sci., Prof. J. P. Baxter (Chem. Eng.); Archit., Prof. F. E. Towndrow; Engin., Prof. H. J. Brown (Elec. Engin.).

ENTRANCE REQUIREMENTS. Matricn. is by qualifying at the Leaving Certif. examn. of the Dept. of Education, N.S.W., the Qualifying examn., N.S.W. University of Technology, or equivalent examination in five subjects including English and Maths., the 3 remaining subjects to include at least one from a

specified list of subjects consisting of the foreign languages, social sciences, physical and biological sciences.

ADULT MATRICULATION. Persons over the age of 25 yrs., not otherwise qualified, may be admitted as provisionally registered students, provided that the Professorial Board is satisfied they have reached a standard of educn. sufficient to enable them profitably to pursue the first yr. of the proposed course.

DEGREES AND DEGREE COURSES. 4 yrs., B.Sc. (Applied Chem., Chem. Engin.); B.E. (Civil, Electrical, Mechanical, Mining). 5 yrs., B.Arch.

HIGHER DEGREES. Minimum of 2 yrs., M.Sc., M.E.

FEES. *Undergraduate:* Matriculation, nil; Graduation, nil; B.Sc. courses, £90; B.E. courses, £108; B.Arch. course, £117. *Masters' Degrees* (M.Sc., M.E.): Registration, £2:2s.; Graduation, £15; Internal Students, £27 p.a.; External Students, £10 p.a.

LIBRARY. The Univ. is using the library facilities of the Sydney Technical Coll. Total volumes, 38,380. Accessions, 1950—1325.

PUBLICATIONS. *Calendar* (4s.); *Brochure*; *Orientation Handbook*.

THE YEAR 1950

BENEFACTIONS. Nuffield Foundation, £25,000 (sterling) over 10 yrs. for establishment of a Nuffield Res. Professorship of Mechanical Engin. Broken Hill Mining Cos., £A15,000 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 Lab., £100,000. Plans completed for new library bldg. of pre-fabricated aluminium-framed structure.

OTHER DEVELOPMENTS. The New South Wales University of Technology was admitted to membership of the Association of Universities of the British Commonwealth in Aug. 1950. The Council approved of arrangements being made for the Univ. of Technol. to conduct on behalf of the Dept. of Technical Educn. 20 of the Dept.'s diploma courses. The diploma courses are pt.-time courses requiring matricn. standard for entrance, and extend over periods of 5 to 6 yrs. concurrently with approved employment in industry. The development aims at producing a closer integration between the work of the Univ. and the Dept. of Technical Educn.

STUDENTS. Total: 301. Pt.-time, 51; full-time, 250. The total includes 72 postgraduate students.

UNIVERSITY OF QUEENSLAND*

BRISBANE

Founded 1909

Postal Address : George Street, Brisbane.

Telegrams : University, Brisbane.

Telephone : B 2500—B 2509.

CHANCELLOR—The Hon. WILLIAM FORGAN SMITH, LL.D.

DEPUTY CHANCELLOR—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. W.
Aust., M.Sc., Ph.D. Calif.

Prof.

Perkins, F. A., B.Sc.Agr. Syd.
(Econ. Entomol.) Sr. Lectr.

Bryan, W. W., M.Agr.Sc. (Gen-
etics and Plant Breeding)

Asst. Lectr.

Brimblecombe, Lola J., B.Sc.Agr.
Jr. Lectr.

Waring, S. A., B.Sc.Agr. Syd.
(Soil Fertility) Res. Lectr.

Part-time Lecturers

Tommerup, E. C., M.Sc. (Agric.).

Briton, N. W., B.V.Sc. (Animal
Husbandry and Dairying).

Shaw, N. H., B.Sc.Agr. (App.
Agrostol. & Pasture Manage-
ment).

Keats, R. R., H.D.D.

Barratt, T. J. (Farm Eng.).

Howie, J. W. (Principles of
Hortic.).

7 Special Lectrs., 1 Graduate
Demr.

Anatomy

Wilkinson, H. J., B.A. Adel.,
M.D., Ch.M. Syd. Prof.

Hickey, M. F., M.A., M.B., B.S.
Assoc. Prof.

Meyers, E. S., M.B. Syd.,
F.R.A.C.S. (and Oper. Surg.)

Sr. Lectr.

Hayhow, W. R., M.B., B.S. Melb.
Sr. Lectr.

Temporary Lecturers

Barnett, R. R., B.Sc., M.B., B.S.

Grant, P. J. F., M.B., B.S. Syd.

Kenny, G., M.B., B.S.

4 Special Lectrs., 6 Demrs.

Architecture

Cummings, R. P., B.Arch.,
F.R.A.I.A. Prof.

Lucas, F. B., F.R.I.B.A.,
F.R.A.I.A. Sr. Lectr.

2 Pt.-time Lectrs., 5 Spec. Lectrs.,

3 Spec. Demrs.

Biblical Literature

Part-time Lecturers

Innes, Rev. H. S. R., B.A. Syd.

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

Sharwood, Rev. A. L., M.A. Melb.,
Th.L.

Biochemistry

Hines, H. J. G., B.Sc. (Agr.) Lond.
Assoc. Prof.

Botany

Herbert, D. A., D.Sc. Melb. Prof.
Lecturers

Langdon, R. F. N., M.Agr.Sc.

Wilson, G. L., Ph.D. Camb.,
B.Agr.Sc.

Aberdeen, J. E. C., B.Agr.Sc.
5 Demrs.

Chemistry

Jones, T. G. H., D.Sc. Syd.,
F.C.S. Prof.

Edmiston, E. S., B.Sc., B.Sc.App.
(Industrial) Assoc. Prof.

Lauder, I., D.Sc., Ph.D. Manc.
Assoc. Prof.

O'Connor, E. A., M.Sc. Melb.
Sr. Lectr.

Lahey, F. N., D.Sc. Sr. Lectr.

Jenkins, G. H., M.Sc.App. (Sugar
Tech.) Sr. Lectr.

Brooks, P. C., B.Sc.App. (Indust.)
Lectr.

Sutherland, M. D., M.Sc. N.Z.
Lectr.

Wood, H. L., M.Sc. Adel. (Agric.)
Lectr.

Grigg, E. C. M., M.Sc. Asst. Lectr.

Wilson, I. R., B.Sc. Asst. Lectr.

Radford, Joan T., B.Sc. Melb.
Asst. Spectro-Chemist.

5 Pt.-time Demrs., 5 Grad. Demrs.

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. Asst. Lectr.

McKay, K. J., B.A. Melb.
Jr. Lectr.

Commerce

Gifford, J. K., M.A. Glas. Prof.
Lane, W. R., B.Comm. Lectr.

Reitsma, A. J., D.Econ. Rotterdam
Asst. Lectr.

Stalley, D. J., B.Econ. Adel.
Asst. Lectr.

19 Pt.-time Lectrs., 5 Spec. 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.Ed. Melb.,
B.A., B.Sc. Assoc. Prof.

Henderson, N. K., B.A., M.Ed.
Melb., Ph.D. Lond. Sr. Lectr.

Olsen, F. J., M.Ed. Melb., B.Sc.
Lectr.

Couper, J. M., M.A., Ph.D. Aberd.
Asst. Lectr.

5 Spec. Lectrs., 2 Res. Fellows.

Engineering

Professors

Lavery, J. H., B.Sc. Oxon., M.E.
(Civil).

Shaw, M., M.Eng. Sheff.,
M.Mech.E. Melb. (Mech.).

Prentice, S. A., M.E.E., B.Sc.
Melb. (Elect.).

White, F. T. M., B.Met.E. Melb.,
F.G.S. (Mining).

Senior Lecturers

Ross, C. N., M.Sc. Tas., B.M.E.
Melb. (Civ. E.).

Munro, A. R., B.E. (Mech. E.).

Hinckley, R. T., M.E., B.Sc.
(Electronics).

Smoleniec, S., M.Sc. Warsaw,
Ph.D., D.I.C. (Engin. Thermo-
dyn.).

Lecturers

Corbett, A. H., M.E. (Mech. E.).

Berglin, C. L. W., B.E. (Chem.).

Stoney, A. J. M'C., B.E.E. Melb.
(Elect. Tech.).

Birkbeck, G. H. M., B.E.
 (Aeronautics).
 Salisbury, P. R., B.Sc. (App.)
 Durh. (Naval Arch.).
 James, F. W., M.Sc. (Surveying).
 Assistant Lecturers
 Mapp, W., B.E.
 Francey, G. H., B.E.
 Clark, D. J. (Mech. and Elect. E.).
 Sheridan, N. R.
 Fowler, I. D., B.E.
 Watkins, R. D., B.Eng. (Civil).
 Copeman, A. C., B.E. (Mining)
 Temp. Asst. Lectr.
 McNicol, Mrs. June A.
 Temp. Jr. Lectr.
 17 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. Sr. Lectr.
 Flint, E. H., B.A.
 Temp. Asst. Lectr.
 Collins, Margaret, B.A. Jr. Lectr.
 2 Pt.-time Demrs.

Forestry

White, C. T. (Forest Bot.)
 Pt.-time Lectr.

Geography

Greenwood, R. H., M.A. Camb.
 Sr. Lectr.

Geology and Mineralogy

Bryan, W. H., D.Sc. Prof.
 Whitehouse, F. W., Ph.D. Camb.,
 D.Sc. Assoc. Prof.

Lecturers

Hill, Dorothy, Ph.D. Camb., M.Sc.,
 F.G.S.
 Jones, O. A., D.Sc.
 Robinson, E. V., B.A.
 4 Pt.-time Demrs., 3 Grad. Demrs.

History

Greenwood, G., M.A. Syd., Ph.D.
 Lond. McCaughey Prof.

Lecturers

Morrison, A. A., M.A.
 Neale, R. G., B.A., Dip.Ed. Melb.
 Assistant Lecturers
 Truman, T. C., B.A. Melb.
 McDougall, Mary, B.A. Syd.
 McNaughtan, I. D., B.A. Syd.

Journalism A

17 Special Lectrs.

Journalism B

10 Special Lectrs.

Law

Harrison, W. N. L., B.A., LL.M.
 (and Social Science)
 Garrick Prof.

Senior Lecturers

Anderson, H. R., M.A. Oxon.,
 LL.B. W.Aust.
 Sykes, E. I., B.A., LL.M.
 6 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.

Sr. Lectr.
 Finucan, H. M., M.A. Oxon. Lectr.
 Evans, I. A., M.Sc. Asst. Lectr.
 Powell, H. K., M.A., B.Sc.
 Asst. Lectr.

O'Donnell, M. P., B.Sc.
 Temp. Asst. Lectr.
 2 Pt.-time Lectrs.

Mineralogy, v. Geology, supra

Modern Languages, v. also Inst.
of Mod. Langs., infra

Mahoney, J. C., M.A., B.Litt.
 Oxon. Chief Lectr.
 Cochrane, G. R., M.A. Melb.,
 L. ès L. (Phonetics).
 Leopold, K., B.A. Syd. Lectr.
 Denat, A., L. ès L. Phil. Lectr.
 Campbell-Brown, Kathleen, B.A.
 Asst. Lectr.

Hallister, E. N., B.A., Dip.Ed.
Melb. 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.)
Sr. Lectr.
Harwood, Elsie, M.A. (Psychol.)
Lectr.
James, G., M.A. Lectr.
Thiele, H. W., B.A. (Psychol.)
Asst. Lectr.

2 Spec. Lectrs.

Physical Education

Burge, I. C., B.Phys.Ed. Spring-
field, B.Com. Director.
Simpson, K., Dip.Phys.Ed.
Asst. Dir.
Sharp, Elizabeth, Dip.Phys.Ed.
Female Instr.
15 Pt.-time Lectrs. and Demrs.

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., F.I.P. Assoc. Prof.
Reimann, A. L., D.Sc. Adel., Ph.D.
Berl., F.I.P. Res. Prof.
McNicol, R. W. E., M.Sc. Camb.
Lectr.
Malcolmson, R. D., B.Sc. Melb.
Asst. Lectr.
Noon, J. H., B.Sc. Asst. Lectr.
Thomas, J. A., B.Sc. Adel.
Asst. Lectr.
7 Demrs.

Physiology

Macfarlane, W. V., M.A., M.B.,
Ch.B. N.Z. Prof.

Lecturers

Hawker, R., M.B., B.S.
Scott, Margaret I. R., M.Sc.
(Pharm.).
Crouchley, J., M.Sc. Adel. (Bio-
physics).
Le Breton, E. G., B.Sc., M.B.,
B.S.

Assistant Lecturers

Robinson, Kathleen W., M.Sc.
Knapp, B. J., M.Sc.
MacDonald, K., B.Sc. Syd.
Klemm, G. H., B.Sc.
Walters, L. D., M.D. Syd.
Pt.-time Lectr.
8 Demrs.

Psychology, v. *Philosophy*, *supra*

Radiation Physics

Webster, H. C., D.Sc. Tas., Ph.D.
Camb., F.I.P., F.R.Met.S.
Prof.
Robertson, D. F., M.Sc.
Sr. Lectr.

Surveying

James, F. W., M.Sc. Lectr.
Brennan, B. F., B.Surv.
Asst. Lectr.
2 Pt.-time Lectrs., 4 Demrs.

Veterinary Science

Ewer, T. K., Ph.D. Camb.,
B.V.Sc. Syd. (Animal Hus-
bandry) Prof.
Burns, R. H., B.V.Sc. Syd.
Sr. Lectr.
Millar, R. (Vet. Med.) Sr. Lectr.
McDowall, A., B.V.Sc. (Vet. Anat.)
Lectr.
May, N. D. S., B.Sc. (Vet. Anat.)
Lectr.
Tucker, R., D.V.Sc. Warsaw,
D.V.Med. Munich (Vet. Anat.)
Asst. Lectr.
1 Pt.-time Lectr., 8 Spec. Lectrs.,
4 Demrs.

Zoology

Stephenson, W., B.Sc., Ph.D. Durh.
Prof.

Bleakly, M. C., M.Sc. N.Z., D.Phil.
Oxon. Sr. Lectr.
Mather, W. B., B.Sc. Lectr.
Endean, R., B.Sc. Syd.

Asst. Lectr.
Cavaye, Mrs. Diana E. H., B.Sc.
Temp. Asst. Lectr.
4 Demrs.

Dentistry

Lumb, S. F., D.D.Sc., L.D.S.
Melb. Prof.

Senior Lecturers

Pearn, J. O.

Sagar, J. A., B.D.Sc.

Jenkins, D. H., B.D.Sc.

Ramsay, E. D., B.D.Sc.

Lecturers

McDougall, W. A., B.D.Sc.

Martin, K. H., B.D.Sc.

Kruger, B. J., B.D.Sc.

12 Temp. Lectrs., 2 Demrs., 12
Spec. Lectrs.

Medicine

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

Bacteriology, v. *Pathology*, *infra*

Gynæcology

Charlton, B. B., M.B., B.S.

Sp. Lectr.

McLelland, H., M.B., B.S.

Sp. Lectr.

1 Teaching Registrar, 2 Clin.
Lectrs., 1 Asst. Clin. Lectr.,
3 Tutors, 2 Spec. Lectrs.

Materia Medica

Booth, F. J., M.D., B.Ch., B.Sc.,
B.A.O. Belf. Lectr.

Medical Psychology, Psychiatry, and Mental Hygiene

Bostock, J., M.B., B.S., D.P.M.
Lond., F.R.A.C.P. Res. Prof.
1 Pt.-time Lectr., 1 Clin. Lectr., 1
Asst. Clin. Lectr.

Medicine

Murphy, O. E. J., M.B., Ch.M.
Syd., F.R.A.C.P.

Actg. Half-time Prof.
2 Teaching Registrars, 5 Spec.
Lectrs., 10 Clin. Lectrs.,
5 Asst. Clin. Lectrs., 14
Tutors, 7 Spec. Lectrs., 3
Demrs., 2 Chief Assts.

Obstetrics

Shedden-Adam, G. W., M.B., B.S.
Syd., F.R.C.S., F.R.C.O.G.
Edin. Half-time Prof.

1 Teaching Registrar, 2 Specialist
Lectrs., 3 Clin. Lectrs., 4
Asst. Clin. Lectrs., 3 Tutors.

Pathology and Bacteriology

Canny, A. J., B.Sc., M.B., B.S.
Syd. Prof.

Skerman, V. B. D., B.Agr.Sc.
(Bacteriol.) Chief Lectr.

Inglis, J. A., M.B., B.S.
(Clin. Path.) Chief Lectr.

Vickers, T. H., M.B. Syd.
(Path.) Sr. Lectr.

Quinn, R. L., M.B., B.S. (Path.)
Temp. Sr. Lectr.

Back, K. J. C., B.Sc. Syd. (Bact.)
Lectr.

Halliday, W. J., B.Sc. Melb.

(Bact.) Asst. Lectr.
3 Demrs. (Bact.).

Physiotherapy

Crawford, H., M.B., B.S. Melb.,
F.R.A.C.S. Lectr.-in-charge.
8 Spec. Lectrs., 4 Pt.-time Lectrs.,
8 Demrs.

Psychiatry, v. *Med. Psychol.*

Social and Tropical Medicine

Meyers, E. S., M.B. Syd.,
F.R.A.C.S. Actg. Hon. Prof.
Sandars, Dorothea F., M.Sc. W.
Aust. (Parasitol.) Sr. Lectr.
3 Spec. Lectrs., 21 Occas. Lectrs.,
1 Pt.-time Lectr., 1 Pt.-time
Demr.

Surgery

Sutton, N. G., M.B., Ch.M. Syd.,
F.R.C.S.Ed., F.R.A.C.S.
Half-time Prof.
Meyers, E. S., M.B. Syd.,
F.R.A.C.S.
(Operative Surg.) Lectr.
12 Special Lectrs., 7 Clin. Lectrs.,
21 Asst. Clin. Lectrs., 7
Tutors, 2 Teaching Regis-
trars, 1 Chief Asst.

External Studies

Ringrose, E. C. D., B.A., B.Sc.,
B.Ed.
Assoc. Prof., Director.
Hamilton, K. G., B.A. Melb.
Asst. Director.
Assistant Lecturers
Poppo, Myra A., B.A. (Maths.).
Vallis, V. T., B.A. (Philos.).
Hadgraft, C. H., M.A., B.Ed.
(English).
Grimshaw, C., B.A., Dip.Ed. Syd.
(Hist.).

Staveley, R. W., B.Ec. Syd.
(Econ.).
Needham, Rev. G., M.A., T.D.
Lond. (Educn.).
Assistants
Ruddle, Caroline, B.A.
Stoodley, June, B.A.
White, Olive N., B.A.
7 Tutors.

Institute of Modern Languages**Part-time Lecturers**

Cochrane, G. R., M.A. Melb.
(French).
Campbell-Brown, Kathleen, B.A.
(French).
Leopold, K., B.A. Syd. (German).
Hallister, E. N., B.A., Dip.Ed.
(German and Dutch).
Daud, A. (Malay).
Josiffe, R. J. (Malay).
Clemente, G., M.B., B.S. (Italian).
Wan, Huang (Chinese).
Zaver, I. S. (Russian).

RECOGNIZED RESIDENTIAL COLLEGES

EMMANUEL (Presb.), Wickham Tce. (Telephone: B5653, B4560.) Principal—Rev. M. Henderson, M.A. Camb. 80 students.

ST. JOHN'S (C. of E.), 196 River Tce., Kangaroo Point. (Telephone: X2593, J3255.) Warden—Rev. A. C. Stevenson, M.A., Th.L. 50 students.

KING'S (Methodist), River Tce., Kangaroo Pt. (Telephone: J2853, X3185, X3555.) Master—Rev. H. H. Trigge, M.A., B.D. Melb. 110 students.

ST. LEO'S (R.C.), 269 Wickham Tce. (Telephone: B9305, B4883.) Rector—Rev. Fr. G. Power. 65 students.

WOMEN'S (undenominational), Shafston Av., Kangaroo Pt. (Telephone: J1749, J4218.) Principal—Margaret Piddington, B.A. Syd. 38 students.

DUCHESNE (R.C. women), 52 Merthyr Rd., New Farm. (Telephone: LW2418, LW2704.) Principal—Joan Percy-Dove, M.A., Dip.Ed. Syd. 35 students.

UNIV. OF QUEENSLAND UNION COLLEGE, 193 Wickham Tce. (Telephone: B4992, B7464.) Hon. Warden—Assoc. Prof. M. F. Hickey, M.A., M.B., B.S. 54 students.

CROMWELL (Congregational)—expected to open First Term, 1953.

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

Nov. 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 Nov. 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 £246,186 in 1950. During 1950 the Commonwealth Government paid to the Univ., in addition to fees, a sum of £52,435 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 Building at St. Lucia was first occupied at the end of 1948 and now accommodates the Facs. of Arts, Commerce, and Educn., the Depts. of External Studies, Physical Educn., and Surveying, the Main Library, and a skeleton admin. staff. The Chem. Bldg. at St. Lucia was occupied early in 1950 and the Geol. Bldg. early in 1951. A 90-ft. extension of the Main Bldg. to provide admin. accomm. is now under construction, and work on the Phys. Bldg. has been commenced.

LIBRARY, 103,383 vols. **LABORATORIES**: Anat., Agric., Biophysics, Bot., Chem., Applied Chem., Educn., Engin. (Mech., Elect., Met., Fuels), Geol., Metall. and Assaying, Pathol. and Bacteriol., Physics, Physiol., Dent., Vet. Sci. and Zool.

FACULTIES AND DEANS. Arts, Prof. G. Greenwood; Science, Prof. D. A. Herbert; Engin., Prof. J. H. Lavery; Commerce, Prof. J. K. Gifford; Agric., Prof. L. J. H. Teakle; Law, Prof. W. N. L. Harrison; Vet. Science, Prof. T. K. Ewer; Dent., Prof. S. F. Lumb; Med., Act. Prof. E. S. Meyers; Archit., Prof. R. P. Cummings; Educn., Prof. F. J. Schonell.

DEGREE COURSES. Day students: 2 yrs.—B.Ed. postgraduate; 3 yrs.—B.A., B.Com., B.Sc., B.Surv.; 4 yrs.—LL.B. (Pass and Hons.), B.A. (Hons.), B.Com. (Hons.), B.Sc. (Hons.), B.Sc. in For., B.Agr.Sc. (Pass and Hons.), B.Sc. (App.) in Indust. Chem., B.Sc. (App.) in Med. Science, B.Sc. (App.) in Geol., B.Sc. (App.) in Physiotherapy, B.D.Sc. (Pass and Hons.), B.E. (Pass and Hons.) in Civil, Mech., Elec., Chem., Mining, Aeronautical Engin. or Naval Arch. (suspended); 5 yrs.—B.Vet.Sc. (Pass and Hons.), B.Sc. (App.)

(Hons.) ; 6 yrs.—M.B. and B.S. (Pass and Hons.), B.Arch. (3 yrs. day, 3 yrs. evening).

HIGHER DEGREES. Open to Bachelors of this or other approved Univs. of 2 yrs.' standing : M.A., M.Com., M.Sc., M.App.Sc., LL.M., M.Arch., M.Ed., M.S. ; of 3 yrs.' standing : M.E., M.Agr.Sc., D.V.Sc., M.D. ; of 4 yrs.' standing : D.D.Sc. ; of 5 yrs.' standing : D.Agr.Sc., D.Sc. ; of 7 yrs.' standing : D.Litt., D.Econ., D.E. Open to Masters of 3 yrs.' standing : D.E. ; of 5 yrs.' standing : LL.D. Standing required before admission to the Ph.D. course varies according to the Fac. in which prior degree taken. These higher degrees are obtained by examn. and/or submission of a thesis, but in some cases certain specified outside experience is required in addition.

DIPLOMAS. Mech. and Elect. Engin., 4 yrs. (may be followed in any approved Coll. or Instn.) ; Commerce (on unit basis—approx. 3 yrs.) ; Journalism, 2 yrs. for persons with 3 yrs.' practical experience ; Physiotherapy (Massage), Physical Educn., 3 yrs. ; Music, 2 yrs. ; Educn., 1 yr. postgraduate ; Educational Psychol., 1 yr. postgraduate ; Ophthalmol. ; Psychological Med.

CERTIFICATES. Educn. (on subject basis, approx. 3 yrs.) ; Accountancy, 3 yrs. (may be followed in any approved Coll. or Instn.) ; Teaching of Handicapped Children, 1 yr. postgraduate.

EVENING LECTURES AND EXTERNAL STUDENTS. In the courses which are available to them, evening and external students are permitted to spread their studies over a longer period than that prescribed for day students, and pay a proportionate amount of fees each year. By completing 5 yrs.' evening work at the Univ. or at approved institutions, exemption from the first 2 yrs. of the B.E. course may be obtained. Enrolments are accepted from students resident in Queensland and Northern New South Wales. Enrolments from ex-Service men are accepted from anywhere in Australia except from capital cities where attendance at lectures is possible. Students with two units to their credit will be accepted from outside Queensland and Northern New South Wales or, in certain cases, from overseas. Persons who, having matriculated, are unable to attend lectures at or in connexion with the Univ., may pursue by correspondence certain courses in the Faculties of Arts, Commerce, Law, and Education, under the guidance of the Director of External Studies. They may thereby, provided they pass the usual degree examns. (which may be held at local centres), qualify for degrees. Examinations are held anywhere in Australia or overseas.

FEES. Matricn., £2 : 2s. ; admission *ad eundem statum*, £2 : 2s. ; Lecture Fees for single subject per Term, £4 : 4s. ; Composition Fees for complete Degree Course in the Facs. of Arts, Comm., and Education, 24 to 36 gs. p.a. ; Law, approx. £36 p.a. ; Science (Pure), Science (Applied), Engineering and Veterinary Science, 40 to 42 gs. p.a. ; Architecture, 42 gs. 1st 3 yrs., 24 gs. 4th and 5th yrs., 20 gs. 6th yr. ; Dentistry, £68 p.a. ; Medicine, £78 p.a. ; General Purposes Fee, 2 gs. to 6 gs. p.a. ; Examn. Fees, 2 gs. to 12 gs. ; Graduation Fees—Bachelor, 6 gs. to 12 gs. ; Master, 10 gs. ; Doctor, 10 gs.

SCHOLARSHIPS, ETC., FOR GRADUATES. Gold medals offered by Govt. for distinction at graduation ; £500 (Stg.) 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. ; £500 p.a. for 2 yrs. for postgraduate study or research in or outside Australia. The last three 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. £110 per year.

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov.-Dec.: Junior and Senior. For matricn., the corresponding public examns. of the other Australian Univs. are recognized subject for subject as equivalent to these.

MUSIC EXAMINATIONS. Under a joint scheme, controlled by the Australian Music Examns. Board, which is representative of the Univs. of Queensland, Melbourne, Tasmania, Adelaide, and Western Australia, and the State Conservatorium of Music of New South Wales, examns. in Music and Art of Speech are held throughout the Commonwealth twice a year, in May and September.

APPOINTMENTS BOARD. The Bd. offers assistance to graduates seeking appt. after graduation and to those who desire advancement in their particular field. Information concerning vacancies in Australia and overseas is received regularly and distributed to those graduates enrolled with the Board who might be interested. The Bd. also assists undergraduates to secure temp. employment during vacations.

ADMISSION. In order to qualify for matricn., a candidate shall pass in a selection of subjects at the Public Examns. held annually by the Univ. The Sr. Examn. will be held in Nov.-Dec., and there will also be a Spec. Matricn. Examn. in Feb. The matricn. requirements vary for the several Facs. and full details of these are set out in the Manual of Public Examns. Non-matriculated students: any person not less than 16 yrs. of age, who, in the opinion of the Dean of Fac. concerned, is competent to undertake the work, may be permitted to enrol for the course in any subject.

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.

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 1950 in French, German, Russian, and Malay.

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., Bact., Bot., Chem., Economics, Engin., Geol., History, Medical Psychol., Philos. and Psychol., Physiol., Physics, Zool. Under the National Health and Medical Research Council grant projects in the Depts. of Physiol. and Anat. are undertaken. Various other research projects are financed by C.S.I.R.O. and primary industries.

PUBLICATIONS. *Handbooks* for all Facs., 3s. each; *Manual of Pub. Examns.*, 4s. (postage 3d. extra); *Music Manual*, free, postage 3d.

UNIVERSITY OF QUEENSLAND PRESS. Established in 1948. Activities of the press: (a) publicn. of text-books, lab. manuals, and other works of an academic nature approved by the Publicns. Cttee.; and (b) maintenance of a Bookshop for the sale of text-books, stationery, apparatus, and other student requisites.

THE YEAR 1950

BENEFACTIONS. £1000 from Metal Trades Employees Assoc. to establish 3 prizes in the Fac. of Engin. in memory of J. Dowrie, pioneer Ironmaster in the City of Brisbane.

NEW BUILDINGS. On the St. Lucia site the Chemistry Building was completed during the year and work on the Geology Building was advanced sufficiently to enable partial occupation at the end of year. Additional accommodation at the Veterinary School, Yeerongpilly, has been provided and further additions are envisaged.

NEW DEPARTMENTS AND POSTS. Res. Prof. of Phys., Chair of Animal Husbandry, Chief Lectureships in Modern Langs. (French) and Pathol., and Sr. Lectureships in Educn., Anat., English, Engin., Geog., and Social and Tropical Med. A separate Dept. of Bacteriol. established by appt. of a Chief Lectr. Study circles of the Dept. of External Studies established in three country centres—Rockhampton, Townsville, and Ipswich.

EXTRA-MURAL WORK. The Public Lectures Cttee. arranged a number of lectures in 1950.

VISITS OF MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Ivor Jennings, Vice-Chancellor, Univ. of Ceylon: The John Thomson Lectures. Sir Kerr Grant, Emeritus Prof. of Physics, Univ. of Adelaide: The John Murtagh Macrossan Lectures.

RESIGNATIONS. Prof. A. P. Murphy (Med.), A. H. Corbett (Mech. Engin.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1999	1535
Women	414	297
Total	2413	1832

Included in the above are 57 postgraduate students and 905 first-year admissions (incl. both matriculated and non-matriculated).

DEGREES. (Calendar year, 1950) B.A., 102; M.A., 4; B.Sc., 76; M.Sc., 5; B.Sc.App. (Med. Sc.), 9; B.Sc.App. (Ind. Chem.), 15; M.Sc.App. (Ind. Chem.), 1; LL.B., 15; B.Com., 38; M.Com., 1; B.Sc. (For.), 6; B.E., 60; M.E., 1; B.Surv., 2; B.Agr.Sc., 8; M.Agr.Sc., 2; B.V.Sc., 8; B.D.Sc., 46; M.B., B.S., 60; M.S., 3; B.Ed., 7.

UNIVERSITY OF SYDNEY*

Founded 1850

Postal Address : Sydney, New South Wales.

Telephone : MW0522.

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.

LIBRARIAN—E. V. STEEL, B.A.

TEACHING STAFF

Accountancy, v. Econ.

Agriculture, v. also Vet. Sci.

McMillan, J. R. A., M.S. Corn.,
D.Sc.Agr. Dean and Prof.

Waterhouse, W. L., M.C., D.Sc.
Agr., D.I.C. Lond. (Plant
Path. and Agric. Bot.)
Res. Prof.

Campbell, K. O., M.A., Ph.D. Chic.,
M.P.A. Harv., B.Sc. Agr.
(Agric. Econ.) Reader.

Senior Lecturers

Vincent, J. M., B.Sc.Agr. (Agric.
Bact.).

Watson, I. A., Ph.D. Minn., B.Sc.
Agr. (Genetics and Plant
Breeding).

Breakwell, E. J., M.Ag.Sc. Adel.,
B.Sc.Agr. (Agronomy).

White, N. H., D.Sc. Tas., M.Sc.
(Plant Pathol.).

Breyer, B. Z., Ph.D. Bonn, M.D.
Padua (Agric. Chem.).

Lecturers

Anderson, R. H., B.Sc.Agr. (For-
estry).

Bowman, F. T., Ph.D. Michigan,
M.Sc. Calif., B.Sc.Agr. (Fruit
Culture).

Fisher, J. R., B.Sc.Agr. (Cereal
Chem.).

Baker, E. P., Ph.D. Calif., B.Sc.
Agr. (Plant Pathol.)

Campbell, K. O., M.A., Ph.D. Chic.,
M.P.A. Harv., B.Sc.Agr.
(Agric. Econ.).

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.,
Dip. Anth. Reader.

Senior Lecturers

Garde, Mary L., B.Sc. (Histol.).

Gabriel, A. C., D.D.Sc. (Dental
Anat.).

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

Plomley, N. J. B., M.Sc. Tas.,
B.Sc.

Lecturers

Cleland, K. W., M.B., B.S. (Cyto-
logy).

O'Brien, B. R. A., B.Sc. (Experi-
mental Embryol.).

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.

Prof.

Stewart, J. R. B., M.A. Camb.
Sr. Lectr.

Architecture

Ashworth, H. I., M.A. Manc.,
B.Arch., F.R.I.B.A. (Arch.
Design and Hist.)

Dean and Prof.

Hook, A. S., F.R.I.B.A. (Arch.
Pract. and Constn.)

Prof.

Winston, D., B.Arch. Liv., M.A.
Harv., F.R.I.B.A. (Town and
Country Planning)

Prof.

Harrison, P. F., Dip.T.C.P. (Town
and 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.

McCaughy Prof.

Humphrey, G. F., Ph.D., M.Sc.

Sr. Lectr.

Whatley, F. R., M.A., Ph.D.
Camb.

Sr. Lectr.

Torpy, B. A., M.B., B.S.

Lectr.

Eden, Eva, M.A., Ph.D. Camb.
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.

Sr. Lectr.

Beadle, N. C. W., D.Sc. Sr. Lectr.

Smith-White, S., B.Sc.Agr. Lectr.

Chemistry,

Le Fèvre, R. J. W., D.Sc., Ph.D.
Lond., F.R.I.C.

Prof.

Readers

Lions, F., Ph.D. Manc., B.Sc.
Iredale, T., D.Sc. Lond., B.Sc.,
F.R.I.C.

Mellor, D. P., D.Sc. Tas.

Senior Lecturers

Hughes, G. K., B.Sc. Adel.

Ritchie, E., M.Sc.

Dwyer, F. P. J., D.Sc.

Lecturers

Lyons, L. E., B.A., M.Sc. (onleave).
Angyal, S. J., Ph.D. Bud. (on
leave).

Broe, J. J., M.Sc., Dip.Ed. Q'ld.

Gibson, N. A., M.Sc.

Cymerman, J., Ph.D., B.Sc. Lond.,
D.I.C.

Dentistry, v. *infra*

Divinity, v. *infra*

Economics

Butlin, S. J., M.A. Camb., B.Ec.
Dean and Prof.

Partridge, P. H., M.A.
(Govt. and Pub. Admin.)
Prof.

Senior Lecturers

Black, H. D., M.Ec. (Econ.).

Rutherford, R. S. G., M.A. Oxon.
(Econ. Statistics).

Kewley, T. H., M.A. (Govt. and
Pub. Admin.).

Renwick, C. C., M.Ec. (Econ.).

Lecturers

Laffer, K. M., B.A. W.Aust.
(Econ.).

Butlin, N. G., B.Ec. (Econ. Hist.).

Bridge, A. B. K. I., LL.B. (Com.
and Ind. Law).

Wills, N. R., M.Sc., B.Ec. (Govt.
and Pub. Admin.).

Edwards, H. R., B.A. (Econ.
Statistics) (on leave).

Ginswick, J., B.Sc. (Econ.) Lond.
(Econ. Hist.).

Simpson-Lee, G. A. J., B.Ec.
(Econ.).

Russell, E. A., B.A., B.Com.
Melb., B.A. Camb. (Econ.).

Singer, K., Dr. rer. pol. Stras. (Econ.)
Actg. Lectr.

Wilson, J. R., B.Ec. (Econ.)
Actg. Lectr.

Education

McRae, C. R., Ph.D. Lond., M.A.,
Dip.Ed. Melb. Prof.

Senior Lecturers

Brown, M. S., Ph.D. Lond.,
M.A., Dip.Ed.

Connell, W. F., Ph.D. Lond.,
A.M. Ill., M.A., M.Ed. Melb.

Engineering, v. infra**English**

..... (English Literature)
Challis Prof.

Mitchell, A. G., Ph.D. Lond., M.A.
(Early English Lit. and Lang.)

McCaughy Prof.

Howarth, R. G., B.Litt. Oxon.,
B.A. Reader.

Oliver, H. J., M.A. Sr. Lectr.

Milgate, W., M.A. Sr. Lectr.

Russell, G. H., M.A. N.Z. Lectr.

Herring, Thelma G., B.A. Oxon.,
M.A. Lectr.

Forestry, v. Agric.**French**

Henning, I., D. de l'U. Paris, B.A.
McCaughy 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.
McCaughy 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. Reader.

Dulhunty, J. A., D.Sc. Sr. Lectr.
Lecturers

Quodling, Florrie M., B.Sc.

Rickwood, F. K., B.Sc. (Palæ-
ontol. and Stratig.).

Coleman, P. J., B.Sc. W.Aust.

German and Comparative Lit.

Farrell, R. B., Dr. phil. Berl.,
M.A.

Dean and McCaughy
Prof.

Crossley, R. G., Dr. phil. Freiburg,
B.A. W.Aust. (on leave)

Sr. Lectr.

Greek

Trendall, A. D., M.A. Camb., M.A.,
Litt.D. N.Z., F.S.A. Prof.

Shipp, G. P., M.A. Camb., B.A.
(Comp. Philol.) Reader.

Treweek, A. P., Ph.D. Lond.,
B.A. Sr. Lectr.

Quincey, J. H., M.A. Oxon.
Lectr.

Histology and Embryol., v. Anat.**History**

Ward, J. M., M.A., LL.B.
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.
Mansfield, B. E., M.A. Lectr.

Italian

Shaw, R. A., M.A. Melb. 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. Sr. Lectr.
Nicholls, J. J., M.A. Camb., B.A.
Lectr.

Law, v. infra

Mathematics, Pure and Applied

..... 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.

Senior Lecturers

Thorne, H. H., M.A. Camb., B.Sc.,
F.R.A.S.
Smith-White, W. B., M.A. Camb.,
B.Sc. (on leave).
Chong, F., M.A. Camb., M.Sc.
Mulhall, H., B.Sc.

(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

Thorpe, R. H., Ph.D., B.Sc. Lond.
Prof.

Pharmacy

Wright, S. E., M.Sc. Q'ld., Dip.
Pharm. Sr. Lectr.
Large, Dorothy K., B.Sc. Lectr.

Philosophy

Anderson, J., M.A. Glas.
Challis Prof.

Lecturers

Walker Alice R., B.A. (on leave).
Rose, T. A., B.A.
Baker, A. J., B.Phil. Oxon., B.A.

Philosophy, Political and Moral

Stout, A. K., M.A. Oxon. Prof.
Mackie, J. L., M.A. Oxon., B.A.
Sr. 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. Reader.

Senior Lecturers

Fraser, M., M.A., D.Phil. Oxon.
Builder, G., Ph.D. Lond., B.Sc.
W.Aust.

Lecturers

Guest, P. G., M.Sc.
Bannon, J., B.Sc. N.U.I., D.Sc.

Physiology

Cotton, F. S., D.Sc. Prof.
Lawrence, W. J., M.Sc. Sr. Lectr.
Carlile, F., B.Sc. Lectr.

Psychology

O'Neil, W. M., M.A., Dip.Ed.
McCaughy Prof.
Hammer, A. G., M.A. Sr. Lectr.
Lecturers
Champion, R. A., B.A.
Radcliffe, J. A., B.A.
McElroy, M. A., B.Sc. Glas.

Semitic Studies

MacLaurin, E. C. B., M.A. Camb.,
B.A., B.D. Lectr.

Social Studies

Parker, Norma, M.A. W.Aust.,
Dip.Soc.Sci. Wash.

Actg. Dir. and Sr. Lectr.
(Social Case Work).

Lecturers

Battle, Betty, B.S. Col., Dip.
Phys.Ed. Melb.

(Social Group Work).

O'Neil, W. M., M.A. (Psychol.).

Radcliffe, J. A., B.A. (Psychol.).

Ford, E., O.B.E., M.D., B.S.
Melb., D.P.H. Lond., D.T.M.,
F.R.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).

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.).

Maitland, D. W., B.Ec. (Statist-
tics).

Hammer, A. C., M.A. (Mental
Health).

Kewley, T. H., M.A. (Social Hist.).

Jelbart, J. M., B.A. (Legal Aspects
of Social Work).

Pract. Work Supervisor

Booth, Marjorie A., B.Ec., Dip.
Soc.Stud.

Statistics

Mulhall, H., B.Sc. Actg. Lectr.

Veterinary Science

Carne, H. R., D.V.Sc.

(V. Path. and Bacteriol.)

Dean and Hughes
Prof.

Gunn, R. M. C., B.Sc. Edin.,
D.V.Sc., B.Sc.Agr. Prof.

Emmens, C. W. D.Sc., Ph.D.
Lond. (Vet. Physiol.) Prof.

Senior Lecturers

Whitehouse, F., B.V.Sc.

(Zootechny.).

Webb, R. M., B.V.Sc. (V. Anat.).

Geddes, H. J., M.Sc.Agr. N.Z.
(Animal Husbandry)

Garland Sr. Lectr.

Bain, R. V. S., B.V.Sc. (V. Path.
and Bact.) (on leave).

Steel, J. D., B.V.Sc. (V. Med.).

Blood, D. C., B.V.Sc. (V. Med.).

Lecturers

Gordon, H. M., B.V.Sc.

(V. Parasitol.).

Drabble, J., B.V.Sc.

(Meat Inspection).

Austin, C. R., M.Sc., B.V.Sc. (V.
Physiol.).

Franklin, M. C., M.Sc. N.Z., Ph.D.
Camb. (Animal Nutrition).

Hindmarsh, W. L., B.V.Sc. (V.
Epidemiol.).

Hungerford, T. G., B.V.Sc. (Poul-
try Diseases).

Belschner, H. G., D.V.Sc. (Sheep
Diseases).

Gill, D. A., D.V.S.M. (V. Juris-
prud.).

Zoology

Murray, P. D. F., M.A. Camb.,
B.Sc. Oxon., D.Sc.

Challis Prof.

Briggs, E. A., D.Sc. Reader.

Senior Lecturers

Colefax, A. N., B.Sc.

Birch, L. C., D.Sc. Adel., B.Agr.Sc.
Melb.

Woodhill, A. R., D.Sc.Agr. (En-
tomol.) McCaughey Sr. Lectr.

Salter, K. E. W., B.Sc. (Entomol.)
Lectr.

*Dentistry**Ceramics*

Grainger, W. A., M.D.S. Lectr.

D. Anatomy and D. Histology

Gabriel, A. C., D.D.Sc. Sr. Lectr.

*D. Bacteriology*Goldsworthy, N. E., Ph.D.,
D.T.M. & H., D.P.H. Camb.,
M.B., Ch.M. Lectr.*D. Jurisprudence*

Ash, W. P., B.A., LL.B. Lectr.

D. Materia Medica and Therapeutics

Crane, L. G., D.D.Sc. Lectr.

D. Pathology

Cameron, D. A., M.D.Sc. Sr. Lectr.

*D. Surgery*Flynn, M. R., B.A., M.D., Ch.M.,
B.Sc. Tutor.*Nutrition*Wallace, E. S., D.D.Sc. Melb.,
B.D.S. Lectr.*Operative Dentistry*Arnott, A. J., D.D.Sc., F.D.S.
R.C.S., F.A.C.D., F.I.C.D.
Dean and McCaughey
Prof.

Lyell, J. S., B.D.S. Sr. Lectr.

Orthodontia

Benson, W. N., D.D.Sc. Lectr.

*Periodontia*Kirkpatrick, R. M., D.D.Sc.
Lectr.*Prosthetic Dentistry*

Senior Lecturers

Graham, C. H., D.D.S. North-
western, M.D.S.

Mackinnon, K. P., M.D.S.

Martin, N. D., M.D.S.

Lecturer

Wilson, J. H., D.D.Sc. (also
Partial Denture Construc-
tion).*Divinity**Ecclesiastical History*Thom, W. Cumming, M.A., B.D.,
Ph.D. Aberd. Hd. of Dept.*New Testament Language and Literature*Brown, J. Haultain, M.A., B.D.,
Ph.D. Glas. Hd. of Dept.*Old Testament Language and Literature*MacLaurin, E. C. B., M.A. Camb.,
B.D. Hd. of Dept.*Philosophical and Historical Theology*Hayward, S. R. Bowyer, M.A.
Camb. Hd. of Dept.*Engineering**Aeronautics*Stephens, A. V., M.A. Camb.,
F.R.Ae.S. Prof. and Dean.
Wittrick, W. H., M.A. Camb.,
Ph.D. Sr. Lectr.*Chemical E.*Hunter, T. G., D.Sc., Ph.D. Birm.
Prof.

Lecturers

Parker, H. H. S., B.Sc.

Ellis, J. N., B.E.

Frith, J. F. S., B.Sc. Birm.

*Civil E.*Roderick, J. W., M.A. Camb.,
M.Sc., Ph.D. Brist.

Challis Prof.

Vogan, H. J., B.E.

Reader.

Senior Lecturers

Aston, R. L., M.Sc., Ph.D. Camb.,
B.Sc., B.E. (Surveying, etc.).

Gray, C. A. M., B.Sc., B.E.

Potter, O. S., B.Sc., B.E.

Lecturers

Debenham, A. J., B.E. (Harbour
and Docks).

Munday, S. M., B.Sc., B.E. (Practice of Irrigation).
 Rossback, F. B., B.E. (Water Supply and Sewerage).
 Hawkins, C. A., B.E. (Road E.).
 Sutherland, G. B. H., B.E. (Regional Planning) (on leave).

Electrical E.

Myers, D. M., B.Sc., D.Sc. Eng., F.I.P. Russell Prof.
 Senior Lecturers
 Doe, A. G., B.Sc., B.E.
 Aitchison, R. E., M.Sc. (Communication E.).
 Robinson, R. B., B.Sc., B.E.
 Tasny, L., Ing.Dr.Tech. Brunn.
 Honorary Lecturer
 Munro, G. H., D.Sc. N.Z., F.I.P.

Mechanical E.

McDonald, G. G., B.Sc., Ph.D. Glas. Russell Prof.
 Gibson, W. H. H., B.Sc., M.E. Reader.

Senior Lecturers

Hart, K. R. M., B.Sc., M.E.
 Vonwiller, G. B., B.Sc., B.E. (E. Des. and Draw.).

Lecturers

Peterson, V. R., B.A., B.Sc., B.E.
 Boomsma, M., Ing. Amst. (E. Des. and Draw.).
 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 *Lecturers*

Holmes, J. D., K.C., B.A., LL.B.
 Currey, C. H., M.A., LL.D.

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

Treath, V. H., M.M., K.C., M.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. 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

Barracrough, F. E., M.A., LL.B. Lectr.

Procedure, Pleading and Evidence

McMinn, W., B.A., LL.B. Challis Lectr.

Property, Divorce and Domestic Relations

Hope, R. M., LL.B. Challis Lectr.

Roman Law

Flattery, T. P., M.A., LL.B.
Challis Lectr.

Succession and Admiralty

Hutley, F. C., B.A., LL.B. Lectr.

Torts and Private International Law

Morison, W. L., D.Phil. Oxon.,
B.A., LL.B. Sr. 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

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., D.A.
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., D.P.H., D.A.
Oxon., M.B., F.R.A.C.P.
Bosch Prof.

Senior Lecturers

de Burgh, P. M., M.B., B.S.
Swaby, R. J., Ph.D. Lond.,
M.Sc., M.Agr.Sc. Melb. (General Bacteriol.).

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 Lecturers

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.

Tutors

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.
Salisbury, C. V., F.R.C.S.
Gerrard, Gwendoline, M.B., B.S.
McDonald, R. H., O.B.E., M.B.,
M.S., F.R.A.C.S.
Crawford, C. G., M.B., Ch.M.,
F.R.C.S.
Grant, A. M. B., M.B., B.S.,
F.R.C.S.

Infectious Diseases

Symington, N. J., M.B., Ch.M.
Lectr.

Medical Jurispr. and Ethics Lecturers

Sheldon, S., M.B., Ch.M., B.Sc.
(Med. Jurispr.).
Hunter, J. G., M.B., Ch.M., B.Sc.
(Med. Eth.).

Medicine

Lambie, C. G., M.C., M.D., Ch.B.,
Edin., F.R.C.P. Bosch Prof
Lecturers
Tyrer, J. W. H., M.B., B.S.
Morrow, A. W., M.B., B.S.,
F.R.A.C.P. (Therapeutics).

Brown, K. S. M., M.B., Ch.M.
(Hist. of Med.).

Medicine, Clinical

Lecturers

McDonald, C. G., 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.

Brodziak, I. A., M.B., B.S.

Evans, W., M.C., M.B., F.R.C.P.,
F.R.A.C.P.

Willcocks, G. C., O.B.E., M.C.,
M.B., Ch.M., F.R.C.P.,
F.R.A.C.P.

Walker, Addie, M.B., Ch.M.

Medical Tutors

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.

Calov, W. L., M.B., Ch.M., D.T.M.,
F.R.A.C.P.

McGuinness, A. E., M.C., M.B.,
B.S.

Sibree, E. W., M.D., B.S.

Spedding, R. L., M.B.

Nelson, S. G., M.B., B.S., B.Sc.

Bateman, T. P. G., 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.

Anderson, D. J., M.D., B.S.,
F.R.A.C.P.

Wilson, F. H. H., M.B.

Isbister, J., M.B., B.S.

Puffett, R. D., 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.

Latham, J. V., M.B., B.S.

Halliday, E. J., M.B., B.S.

McDonald, G. L., B.A., M.B.,
B.S.

Reader, S. R., M.B., B.S.

Deakin, J. H., M.B., B.S.

Stuckey, D. S., M.B., B.S.

Deck, M. F., M.B., B.S.

Hogan, A. B., M.B., B.S.

Read, F. H., M.B., B.S.

Tyrer, J. W. H., M.B., B.S.

Eakin, R. I., M.B., B.S.

Manuel, Pattie F., M.B., B.S.

Hamilton, D. G., M.B., B.S.

Lee, C. W. G., 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., D.S.C., 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.

Lecturers

Maitland, D. G., D.R. Edin.,
M.B., B.S., B.Sc. (Radio-

logical Obstet.).

Heseltine, Mary J., M.B., B.S.
Melb. (Bact. & Path. in
Obstet.).

Tutors

Richardson, K. S., M.B., B.S.

McCredie, H. A., M.B., Ch.M.

Howell, K. J., M.B., Ch.M.

Stevenson, R. B. C., M.B., Ch.M.

Hobson, A. F., O.B.E., M.B., B.S.,
F.R.C.S.

White, M. M., M.B., B.S., B.Ec.
 Benson, Lois E., M.B., B.S.,
 D.G.O.

Grant, A. M. B., M.B., B.S.,
 F.R.C.S.

Moon, A. A., M.B.E., M.B., Ch.M.,
 F.R.C.S.

Obstetrics, Clinical

Lecturers

Hughes, T. D., M.B., Ch.M.,
 F.R.C.O.G.

Williams, H. B., M.B., Ch.M.,
 F.R.C.O.G., F.R.A.C.S.

Murray, A. J., O.B.E., M.B.,
 Ch.M., F.R.C.S.

Saunders, Ida B., M.B., Ch.M.

Ophthalmology

Gregg, N. M., M.C., M.B., Ch.M.,
 F.R.A.C.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.

Lecturers

Reye, R. D. K., M.D., B.S.

McGovern, V. J., M.B., Ch.B. N.Z.

Backhouse, T. C., M.B., B.S. Melb.,
 D.P.H. Oxon., F.R.C.P.

Hon. Lectr.

Preventive Medicine

Ford, E., O.B.E., M.D., B.S.
 Melb., D.P.H. Lond., D.T.M.,
 F.R.A.C.P. Prof.

Honorary Lecturers

Cole, G. E., D.S.O., M.B., B.S.,
 D.P.H. Melb.

Park, C. L., M.D., B.Ch., D.P.H.
 Melb.

Southwood, A. R., C.M.G.,
 M.D., M.S. Adel., F.R.San.I.,
 F.R.A.C.P.

Fryberg, A., M.B.E., M.B., B.S.
 Melb., D.P.H., D.T.M.

Henzell, L., M.D., B.S., D.P.H.
 Lond.

George, W. E., M.B., Ch.M.

Psychiatry

..... Prof.

Surgery

Dew, H. R., M.B., B.S. Melb.,
 F.R.C.S., 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.,
 F.R.A.C.S.

Winston, C. E., M.B., Ch.M.,
 F.R.A.C.S.

Coppleson, V. M., M.B., Ch.M.,
 F.R.C.S., F.R.A.C.S.

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.

Susman, M. P., M.B., Ch.M.,
 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.

Lovell, S. H., M.B., M.S.,
 F.R.A.C.S.

Nelson, T. Y., M.B., Ch.M.,
 F.R.A.C.S.

Tutors

Johnson, A. S., 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.

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.
- 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.
- 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.
- 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.
- Tomlinson, P. A., O.B.E., M.B.,
M.S., F.R.A.C.S.
- Horsley, C. H., B.Sc., M.B., M.S.,
F.R.A.C.S.
- Melville, R. P., M.B., B.S.,
F.R.C.S.
- Alexander, M.S., O.B.E., M.B.,
M.S., F.R.A.C.S.
- Reddel, A. E. M., M.B., M.S.
- Pullen, W. J., M.B., M.S., F.R.C.S.,
F.R.A.C.S.
- Street, F. N., M.B., B.S., F.R.C.S.
- Dunn, R. M., M.B., M.S.,
F.R.A.C.S.
- Furber, J. F. M., M.B., M.S.
- Blackwood, F. J. A. H., M.B.,
B.S. Lond., F.R.C.S.,
F.R.A.C.S.
- Gibson, C. J. H., M.B., B.S.,
F.R.C.S.
- Tropical Medicine*
- Baldwin, A. H., M.B., B.S., D.P.H.
Melb., D.T.M. & H. Lond.,
F.R.A.C.P. Prof.
- Special Lectureship*
- Inglis Moore, T., M.A. Oxon.
(Aust. Literature).
- Tutorial Classes*
- Wilson, J. L. J., B.A. N.Z.
Actg. Director.
- Higgins, E. M., B.A. Melb.
Actg. Asst. Director.
- 9 Full-time Tutors and 52 Tutorial
Class Lectrs.

ADMINISTRATIVE AND OTHER STAFF

Bongers, J. C., Accountant ; Telfer, Margaret A., B.A., Dip.Ed., Deputy Registrar ; Gamble, A. A., Information Officer ; Butchart, J. D., B.A. Melb., B.Ec., Asst. Registrar ; McCredie, H. G., LL.B., Asst. Registrar ; Weir-Wilson, S., B.Ec., Asst. Registrar in Charge of Examns. ; Wood, D. R. V., B.Ec., Asst. Registrar ; McClenehan, C. A., B.Ec., Asst. Accountant ; Burrow, K. W., Asst. Librarian ; Bateman, S. B., B.Ec., Adviser to Men Students ; Scobie, Agnes M. A., B.A., Adviser to Women Students ; McKinney, Isabel D., Assoc. Sec. to Appts. Bd. ; Preston, G., B.A., Publications Officer ; Arnott, Rev. F. R., M.A. Oxon., Th.D.A.C.T., Warden, St. Paul's College ; Thompson, Rev. J. C., M.A., Dip.Ed., Rector, St. John's College ; McIntyre, Rev. J., M.A., B.D. Edin., Principal, St. Andrew's College ; Wyllie, Rev. B. R., M.A., B.D. Melb., Master, Wesley College ; Archdale, Helen E., LL.M. Lond., B.A. McG., Principal, The Women's College ; Macrae, Rev. Mother Nita, B.A., Principal, Sancta Sophia College ; Oliver, H. J., M.A., Secretary to the Extension Board ; Whalan, Mrs. Doris, Housing Officer.

COLLEGES WITHIN THE UNIVERSITY

ST. PAUL'S COLLEGE (Anglican), Newtown, Sydney. (*Telephone* : LA1447.) Warden—Rev. F. R. Arnott, M.A. Oxon., Th.D. Sub-Warden—R. L. Harris, M.B., B.S. 20 other Lectrs.

ST. JOHN'S COLLEGE (R.C.), Camperdown, Sydney. (*Telephone* : LA1240.) Rector—Rev. J. C. Thompson, M.A., Dip.Ed. Oxon. Vice-Rector—Rev. W. J. Cantwell. 6 other Lectrs.

ST. ANDREW'S COLLEGE (Presb.), Newtown, Sydney. (*Telephone* : LA1146.) Actg. Principal—Rev. J. McIntyre, M.A., B.D. Edin. 2 Fellows and 14 Profs. and Lectrs.

WESLEY COLLEGE (Methodist), Newtown, Sydney. (*Telephone* : LA2024.) Master—Rev. B. R. Wyllie, M.A., B.D. Melb. Vice-Master—L. C. Birch, D.Sc. Adel., B.Agr.Sc. Melb. 15 Lectrs.

THE WOMEN'S COLLEGE (undenominational), Newtown, Sydney. (*Telephone* : LA1195.) Principal—Helen E. Archdale, LL.M. Lond., B.A. McG. 10 Lectrs.

SANCTA SOPHIA COLLEGE (R.C. Women), Camperdown, Sydney. (*Telephone* : LA2467.) 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. 922.

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. was approved from July 1947. During 1950, in addition to the statutory endowment of £125,000, special grants totalling £121,164 were received. 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 estab-

lish 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. 922).

THE FISHER LIBRARY, 1950, expenditure £9916, 330,886 vols. MUSEUMS: Nicholson collection of Egypt., 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. FIELD STATIONS: Crommelin Biological Stn., Pearl Beach, via Woy Woy (biological res. on central coast of N.S.W.). Castle Hill Res. Stn. (metropolitan area), Waterhouse Plant Breeding Stn., Curlewis (nr. Gunnedah, N.E., N.S.W.) and Tichborne Plant Breeding Stn. (nr. Parkes, Central W., N.S.W.) for cereal, flax, and linseed investigations designed to produce improved varieties. McGarvie Smith Animal Husbandry Experimental Farm (nr. Liverpool, N.S.W.). 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.

THE LAW SCHOOL (Univ. dept.) is located at 167 Phillip St., Sydney (Telephone: BW8907, BW6059), and the DENTAL HOSPITAL OF SYDNEY (Univ. dept. of Dent.) at 2 Chalmers St., Sydney (Telephone: MA6964).

FACULTIES AND DEANS. Arts, Prof. R. B. Farrell (German); 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.

ADMISSION. (a) By passing one of three examns. required under the By-laws, i.e. (i) by gaining, at one examn., passes in English and 4 other approved matricn. subjects at the N.S.W. Leaving Certif. Examn. or the Matricn. Examn. of the Univ. of Sydney; (ii) candidates may be admitted to matricn. who have passed certain examns. of the Royal Military Coll. of Australia, Royal Australian Naval Coll., and the Royal Australian Air Force Coll. and certain agricultural and technical colls. in Australia; (iii) provisional matricn. status may be granted to persons not less than 25 yrs. of age on certain conditions; (iv) persons of foreign nationality and educn. may be admitted by a special examn. (b) By being granted admission *ad eundem statum*, i.e. (i) a graduate of any other Univ.; (ii) an applicant who has qualified for matricn. status in an approved Univ. provided there is reasonable correspondence between the qualifying conditions relied upon by the applicant and the conditions laid down for ordinary entrance to the Univ. of Sydney. It should be noted that admission at the present time is restricted to *bona fide* residents of N.S.W. because of shortages in staff and accomm., but the situation is reviewed at the end of each yr.

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. courses correspond to similar courses at the London School of Hygiene and the Liverpool School of Trop. Medicine. The main divisions of the School are those of Pub. Health and Preventive Med., Tropical Med. and Hygiene, Indust. Hygiene, Bacteriol. and Pathol., Parasitol. and Protozool., Med. Entomol., Vital Statistics and Child Welfare. An excellent Library, of about 15,000 vols., dealing especially in Trop. Medicine and Hygiene, is available. Accommod. 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 articulated clerk. B.D. degree is obtainable in 2 yrs. after graduation in another Faculty. **HIGHER DEGREES**—Master's degree: Arts, Educn., Econ., Surg., Sci., Dental Surg., Engin., Agric. Doctorates: Letters, Law, Med., Sci., Engin., Dent. Sci., Vet. Sci., Agric., Philos.

DIPLOMAS—Postgraduate: Education (Dip.Ed.), Anæsthesia (D.A.), C. Pathology (D.C.P.), Dermatological Med. (D.D.M.), Gynæcology and Obstetrics (D.G.O.), Laryngology and Otorhinology (D.L.O.), Ophthalmology (D.O.), Psychological Medicine (D.P.M.), Public Health (D.P.H.), Diagnostic Radiology (D.D.R.), Therapeutic Radiology (D.T.R.), Tropical Med. and Hygiene (D.T.M. & H.); not restricted to graduates: Anthropology (Dip. Anth.), Pharmaceutical Science (Dip. Pharm.), Social Studies (Dip. Soc. Stud.), Town and Country Planning (Dip. T.C.P.).

POSTGRADUATE STUDY AND RESEARCH FACILITIES. The School of Public Health and Trop. Med. has facilities for res. students and an excellent library. Besides the usual res. facilities in all depts., spec. facilities are available in Aeronautics, Biochem., Electr. Engin., Hydrodynam., Med., Phys. Chem. and Radiophys. Intimate and effective relationship between the Medical Sch. and Royal Prince Alfred Hosp. provides an extensive and varied clinical field for specialized graduate study and res. which receives full official recognition in connexion with dipls. awarded after appropriate courses of study.

RECOGNITION OF STUDIES ELSEWHERE. The Professorial Bd. grants proper status to persons who have completed part or all of a degree course in other Univs.

FEES. Matricn., £3; degree of B.A., B.Sc., B.Sc. (Med.), B.Sc.For., B.Sc.Agr. and B.Ec., £3; B.D., B.V.Sc., M.A., M.Sc., M.Sc.Agr. and M.Ec., £5; LL.B., M.Ed., LL.M., 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.), £178

(Hons. in one School, 4 yrs.), £189; (Hons. in two Schools, 4 yrs.), £222; Divinity, 3 yrs., £124; Law, 4 yrs., £267 (Arts subjects additional); Med., 6 yrs., £482 (excluding hospital attendance, £20, and practical Midwifery, £22); Sci. (Pass, 3 yrs.), £226, (Hons., 4 yrs.), £267; Engin., 4 yrs. (Civil, Mech. and Elect., and Aeronautical), £359, (Chemical and Mining), £389; Dent., 4 yrs., £344 (excluding Dent. Hospl., £15 p.a.); Vet. Sci., 5 yrs., £311 (excluding residence at Univ. Farm, £12); Agric. (Pass, 4 yrs.), £277, (Hons., 5 yrs.), £318; Econ., 4 yrs., £235; Archit., 5 yrs., £400.

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 scholps. or fellowships are awarded from time to time for postgrad. study and res. abroad; in addition, there is a limited number of postgrad. scholps. which may be held locally; 4 Macleay Fellowships of £400 p.a. each are awarded by the Linnean Society to B.Sc.s.

APPOINTMENTS BOARD, 76 Elizabeth St., Sydney. (*Telephone*: BW6311.) Assists undergraduates and graduates to secure appts. and helps Engin. students to get places in approved works for the prescribed practical experience. The Bd. also collaborates with the Extension Bd. in arranging some lectures.

GRADUATES ASSOCIATIONS. Chemical Soc., Geological Assoc., Engin. Club, Dental Alumni Soc., Sydney Assoc. of Univ. Teachers, Sydney Univ. Women Graduates' Assoc., Univ. Club (for men), Newman Assoc. of Catholic Graduates, the Kabeiroi of the Univ. (dining club for graduates and undergraduates).

RESIDENCE. The six Colls. within the Univ. (v. *supra*) provide accomm. for the number of students specified: St. Paul's Coll., 117, fees £130 p.a.; St. John's Coll., 78, fees £120 p.a.; St. Andrew's Coll., 124, fees £147 p.a.; Wesley Coll., 122, fees £136 p.a.; The Women's Coll., 90, fees £130 p.a.; Sancta Sophia Coll., 70, fees £126. Students need not necessarily reside in one of the colls.

ADULT EDUCATION. University Extension Lectures arranged by the Extension Board are given in courses of from 3 upwards. *Tutorial Classes* are provided, as prescribed by the Act of 1912, under the superintendence of a Joint Committee of the Univ. and Workers' Educl. Assocn. of N.S.W.

UNIVERSITY MILITARY AND AIR FORMATIONS. The Sydney University Regiment is organized as an infantry battalion of the Citizen Military Forces and regarded as an officer-training unit. Training is carried out mainly in two 15-day camps during Univ. vacations. C.O.: Lt.-Col. C. Grace, D.S.O., B.A., LL.B. H.Q.: S.U.R. Training Depot, Univ. (*Telephone*: MW3034.) The Sydney University Squadron, establd. late in 1950, is made up of 6 specialist flights: Flying, Medical, Engin., Works, Radio, and Equipment/Accounting. The aim of the Squadron is to create a reserve of specialists who can apply their particular professional knowledge to the R.A.A.F. C.O.: FL-Lt. T. A. Berry, B.E. Temp. H.Q., Dymock's Bldg., 424 George St., Sydney. (*Telephone*: MA6041.)

STUDENT ATHLETIC FACILITIES. For men there are 4 ovals and 12 tennis courts and facilities for basket-ball, boxing and wrestling, rowing, squash racquets and rifle shooting. There are 20 men's sporting clubs. For women an oval is provided as well as 3 tennis courts and 3 basket-ball courts. There are 11 women's sporting clubs.

STUDENTS' UNIONS. Sydney Univ. Union (for men), founded in 1874, and the Women's Union, founded in 1914. Main facilities are: dining-rooms, reading-rooms, and common-rooms; the men's Union provides private as well

as public dining-rooms, billiards-room, hall, library, mercery department, and savings bank agency. The Unions are an integral part of the Univ. Subscription, £1 a yr., compulsory for all matriculated students. Men's Union : Sec., T. Williams, B.Ec. Women's Union : Sec., Violet M. Wiedersehn, B.A.

PUBLICATIONS. *Calendar*, with annual report (4s.); *Handbooks* of the Fac. of Arts (annually), 2s. 6d., and to the Nicholson Museum of Antiquities, (18s.); *Prospectuses* of the Dept. of Social Studies and Sch. of Divinity, (annually); *The Gazette* (quarterly); Annual Examn. Papers in sets (6d.); Account of res. and scholp. and reprints of scientific papers by staff members; *The Union Recorder* (weekly during term).

THE YEAR 1950

BENEFACTIONS. Estate of late W. M. Strong for purposes of Fac. of Med., £34,148; Grafton Elliott Smith Memorial Prize for Anat., £500; grants from National Health and Medical Research Council, Canberra, for medical res., £6770; estate of late P. J. Marks for encouragement of study of Hebrew lang. and lit., £1000; grant from Rockefeller Foundation for purchase of electrophoretic apparatus, £3000; M. McIlrath for med. res., £50,000; Burns Philp Trust Co., Ltd., for Martin McIlrath Scholps., £852; I. Kahn for med. res., £10,000; Commonwealth Bank of Australia for res. in Facs. of Agric. and Vet. Sci., £8850.

NEW DEPARTMENTS AND POSTS. Two Sr. Lectureships in Educn.; one Sr. Lectureship in Pharm.

PRINCIPAL CHANGES IN REGULATIONS. Master of Laws introduced; examns. for degree of Master of Surg. abolished and thesis substituted; functions and duties of Council and Warden of New England Univ. Coll. defined; curriculum for degree of Bachelor of Engin. in Mining and in Chem. Engin. revised; subject of Govt. introduced in Fac. of Arts.

ADULT EDUCATION. *Univ. Extension*. Courses: German, Scientific German, Russian, Chamber Music, Business Management, Valuation of Real Estate; Vet. Sci., Psychol. (postgraduate). Lectures (series of), 24 at city and suburban schs., 68 in 23 country towns. Lectrs. (Extension Bd. panel), 54; (for courses), 27. *Tutorial Classes* (in metropolitan area and country districts), 113 (enrolment 3183), discussion groups, 136 (enrolment 2125), kit groups, 66 (enrolment 990). No. of centres, 313. Expenditure, £22,186, for tutorial classes only.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. A. R. Todd (Cambridge), visiting Prof. of Organic Chem. for 1950; Prof. J. B. Condliffe (California), on international trade; Prof. J. T. Wilson (Toronto), on Geophysics; Prof. R. Syme (Oxford) delivered the F. A. Todd Memorial Lecture.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. V. Stephens visited Univs., etc., Factories and Govt. Labs. in Canada, U.S.A., and England. Prof. G. G. McDonald visited gas turbine res. stns. and inspected ship model test tanks at Univs. and private firms in U.K.; Prof. A. H. McDonald visited Rome, Florence, and London to complete examn. of MSS. for Oxford text of "Livy"; A. A. Gamble studied Archit. Design in U.K., Europe, and N. and S. America; W. Milgate undertook res. at Univ. of Oxford as a Nuffield Dominion Fellow; Dr. A. P. Treweek studied teaching methods and carried out res. at Univ. Coll., London, and in Europe as a Nuffield Dominion Fellow.

RETIREMENTS. L. L. Waterhouse (Geol.); A. L. Buchanan (Cl. Surg.); C. H. Wesley (Cl. Surg.); G. B. Lowe (Cl. Obstet.).

RESIGNATIONS. D. B. Duncan (Agric.), on appt. as Assoc. Prof. Dept. of Statistics, Virginia Polytechnic Inst.; H. W. Arndt (Econs.), on appt. as Prof. of Econ., Canberra Univ. Coll.; I. W. Kerr (Econ.); M. E. Valuet (French); Ida A. Brown (Geol.); L. F. Fitzhardinge (Latin), on appt. as Reader in Sources of Aust. Hist. at Australian National Univ.; C. A. Gibb (Psychol.), on appt. as Visiting Lectr. at Dartmouth Coll., U.S.A.; W. D. Borrie (Soc. Stud.), on appt. as Sr. Res. Fellow, School of Soc. Scis., Australian National Univ.; Mary T. Woods (Soc. Stud.), on appt. as Chief of Status of Women's Section, Human Rights Div. of U.N. at Lake Success; E. R. McCartney, J. G. McMaster (Chem. Engin.); S. D. Allen, A. J. Collins, F. A. E. Lawes (Cl. Med.); K. V. Smith (Pathol.), on appt. as Asst. Pathologist at Royal N. Shore Hospl. of Syd.; Rev. W. Cumming Thom (St. Andrew's Coll); W. G. K. Duncan (Tutorial Classes), on appt. as Prof. of Hist. and Pol. Sci., Univ. of Adelaide.

DEATHS. Emeritus Prof. W. J. Dakin (Zool.); J. W. Newcomb (Vet. Sci.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	792	6635
Women	457	1499
Total	1249	8134

Included in the above are 188 postgraduate students and 2409 (1987 Matric., 422 Unmatric.) first-year admissions.

DEGREES. B.Sc.Agr., 41; M.Sc.Agr., 1; D.Sc.Agr., 1; B.Arch., 20; B.A., 523; M.A., 14; B.D.S., 168; M.D.S., 2; B.D., 5; B.Ec., 103; M.Ec., 4; M.Ed., 1; B.E., 214; M.E., 2; LL.B., 154; M.B., 152; Ch.M., 2; B.S., 151; M.S., 14; M.D., 2; B.Sc., 243; B.Sc.For., 14; B.Sc. (Med.), 2; M.Sc., 23; D.Sc., 3; B.V.Sc., 83.

NEW ENGLAND UNIVERSITY COLLEGE*

(UNIVERSITY OF SYDNEY)

Founded 1938

Postal Address : Armidale, New South Wales.

Telegrams : University, Armidale.

Telephone : Armidale 432.

CHAIRMAN OF THE ADVISORY COUNCIL—The Rt. Hon. Sir EARLE PAGE,
P.C., G.C.M.G., C.H., M.B., Ch.M., F.R.A.C.S.

WARDEN—R. B. MADGWICK, D.Phil. Oxon., M.Ec.

REGISTRAR—W. M. ROBB, M.A.

ACCOUNTANT—J. S. STIMSON.

LIBRARIAN—EDITH M. TATTERSALL, B.A. W.Aust.

TEACHING STAFF

Chemistry

Dudley, F. B., B.Sc. Melb.

Sr. Lectr.

Sr. Lectr.

..... Lewis, K. G., B.Sc. Adel.

Lectr.

Stimson, V. R., B.Sc.

Lectr.

2 Demrs., 1 Technician.

3 vacancies.

1 Research Assistant.

Education

Part-time Lecturers

Bassett, G. W., Ph.D. Lond.,

M.A., Dip.Ed.

Kemp, L. C. D., B.Ed. Melb.,

M.A.

Crane, A. R., B.Ed. Melb., M.A.

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.

Lecturers

O'Brien, C. J. H., M.A.

Duhigg, J., M.A. Camb., B.A.

Liggins, Elizabeth, M.A.

French and German

Blanche, Isabel M., Dip. d'Ét. U.

Paris, B.A.

Sr. Lectr.

Lecturers

Holloway, F., B.A., Dip.Ed. Wales,

M.A. Oxon.

Spindler, O., Ph.D. Vienna.

Champenois, G. L., L. ès L. Paris.

Economics and History

Belshaw, J. P., M.A. N.Z., Ph.D.

Manc.

Sr. Lectr.

Tapp, E. J., M.A. N.Z.

Sr. Lectr.

Lecturers

Duncan, R., B.A. Adel.

Geology and Geography

Voisey, A. H., D.Sc.

Sr. Lectr.

Thorpe, E. W. R., B.Sc.

Sr. Lectr.

Wilkinson, J., M.Sc. Q'ld.

Lectr.

Rose, A. J., M.A. N.Z.

Lectr.

1 Demr., 1 Technician.

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

Mathematics and Physics

Senior Lecturers

Somerville, J. M., M.A. Camb.,
B.Sc., F.I.P.

Smith, R. A., B.Sc.

Smith, R. C. T., M.A., B.Sc.
Melb., D.Phil. Oxon.

Lecturers

Taylor, N. W., M.Sc.

Horadam, A. F., B.Ed. Melb.,
M.A., Dip.Ed.

Horadam, Mrs. Eleanor M., M.A.
Camb., B.Sc. (Eng.) Lond.

2 vacancies.

2 Research Assts., 1 Technician.

Lecturers

Barratt, P. E. H., B.A.

Bussell, A. C., B.A.

Schroder, H. M., B.A.

Zoology and Botany

Senior Lecturers

O'Farrell, A. F., B.Sc. Lond.

Davis, Mrs. Gwenda L., B.Sc.

Stock, A., Ph.D. Edin., Ph.D.
Vienna.

Lecturers

Baddams, Greta, B.A., B.Sc.
Adel.

2 vacancies.

1 Technician.

Philosophy and Psychology

Howie, D., M.A. W.Aust., Ph.D.
Lond. Sr. Lectr.

McIntosh, G. F., B.A. Sr. Lectr.

Tutorial Classes

Eberle, A. W., B.A., B.Ed. Melb.

Sr. Tutor.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. to Registrar and Adviser to Women Students,
Mary Bagnall, M.A. Melb. Sec. to Registrar and the Advisory Council, Evan-
geline Harris. Asst. Accountant,

LIBRARY. Asst. Librarians, Patricia Fordyce, Thelma Ashton.

UNIVERSITY RESIDENCES. Household Administrator, I. Madge Brown.

UNIVERSITY FARM. Manager, T. A. Crowley.

GENERAL INFORMATION

The New England University College was established as a branch of the University of Sydney on Jan. 1, 1938, by the Senate of the Univ. of Sydney under powers given to it by the University and University Colleges (Amendment) Act of 1937. It was established in accordance with the expressed wish of the people of Northern New South Wales and for the purpose of providing educn. at Univ. level for country students particularly. New England thus became the first experiment in Univ. decentralization in Australia, unique in this country in being almost wholly residential. The N.S.W. Govt. bore the cost of converting the property to its present use and of providing additional bldgs., and has more recently provided funds for the building of temp. hostel accomm. to house 75 students. The Commonwealth Govt. made funds available under the Commonwealth Reconstruction Training Scheme for the erection of another large bldg. to provide additional lecture-rooms, labs., and staff studies.

Of recent years, increasing demands have been made upon the Govt. of New South Wales for the granting of independence to the New England Univ. Coll., and it is now regarded as likely that it will become the autonomous, degree-granting University of New England in the near future.

FACULTIES AND CHAIRMEN OF FACULTY CTTEES. *Arts*, E. J. Tapp, M.A.; *Science*, F. B. Dudley, B.Sc.

LIBRARY. Dixon Library, approx. 20,000 vols., together with a large number of periodicals. Work on new library bldg. is expected to begin shortly.

LABORATORIES, ETC. A FIELD STATION for research into properties of the ionosphere has been established. The Univ. Coll. has also been chosen as the site of the labs. connected with a large C.S.I.R.O. Field Res. Station of 4500 acres situated about 10 miles from Armidale. The UNIVERSITY FARM of 500 acres will provide facilities for field studies connected with the proposed Facs. of Animal Husbandry and Agricultural Economics.

ADMISSION. Candidates for any degree must satisfy the Matricn. requirements of the Univ. of Sydney before entering upon the courses prescribed for the degree.

DEGREES AND DEGREE COURSES. Courses and examns. in all subjects are substantially the same as for those subjects in the Univ. of Sydney. Students graduating from the Fac. of Arts take the degree of B.A. (Pass and Hons. Schools) of that Univ. Courses of lectures are given in English, Latin, Economics, Hist., Economic Hist., French, German, Philos., Psychol., Educn., Geog., and Maths. Economics may be taken at New England as a major subject over 3 yrs. (Pass) or 4 yrs. (Hons.) for the B.A. Students who wish to proceed to the B.Ec. may attend at New England such courses as are common to the Sydney Facs. of Arts and Economics, 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., Phys., Chem. (Organic and Inorganic), Bot., Zool., Genetics, Geol., and Geog. First-yr. courses for Sydney degrees in Med., Vet. Sci., and Agric. may be taken at New England, and students may also pursue the first-yr. For. and Pharmacy courses. Graduate students may take the courses leading to the Sydney Dipl. in Educn. Graduates in certain subjects may also proceed to the Master's degree of the Univ. of Sydney.

POSTGRADUATE STUDY AND RESEARCH. Facilities available, especially in Hist. and Economics, Chem., Phys., Bot., Zool., Geol., and Geog.

FEES. The Univ. of Sydney schedule of fees applies also at the New England Univ. Coll.

ADULT EDUCATION. A Dept. of Tutorial Classes under a Sr. Staff Tutor organizes adult educational activities in the New England region. Classes cover a wide variety of subjects ranging from Spoken and Written English and Current Affairs to Landscape Painting and Weaving.

The ARMIDALE TEACHERS' COLLEGE provides facilities for Teacher Trainees who are undertaking Univ. courses and for graduates who are pursuing the Dipl. in Educn. course.

STUDENT RESIDENCES. Accommod. at the Univ. Coll. itself for 75 students; 8 hostels in Armidale can accommodate a further 135 students. The weekly charge to students for full board and lodging is £3 : 3s. Except for those whose homes are in Armidale or who are married, all students are required to come into residence.

UNIVERSITY MILITARY FORMATION. "D" Co. of the Sydney Univ. Regiment is recruited at the Coll.

STUDENT HEALTH SERVICE. Each student is required to contribute £1 yearly to a medical fund which entitles him, under certain conditions, to free medical treatment while in residence.

SPORT. An active Sports Union provides for all major sporting activities. The new Consett Davis Memorial Playing Fields provide for football, hockey, baseball, and basket-ball. A cricket oval and six new tennis courts are expected to be ready shortly.

STUDENTS' UNION. At present the Students' Union has quarters in "Boooloominbah" itself. But plans and specifications of "Forster House," the proposed Students' Union, have been completed.

PUBLICATIONS. *New England University Handbook* (annually, Oct.), *Neucleus* (student newspaper, fortnightly, during term). *Magazines of the Arts and Science Socs.* (annually). *Monographs on New England Regional Research* (from time to time).

THE YEAR 1950

BENEFACTIONS. Estate of Miss Mary White, £4000. Commonwealth Bank of Australia, £1000 for Univ. Farm, and £5250 to permit appt. of Sr. Lectr. in Animal Husbandry.

NEW BUILDINGS. Funds approved by State Govt. for new Library and by Advisory Council for Students' Union Bldg.

NEW DEPARTMENTS AND POSTS. Sr. Lectrs. in Hist., Organic Chem., and Zool.; Lectrs. in Hist., Geol., Bot., Zool., Maths., Phys., and Psychol.

CHANGES IN REGULATIONS. The Senate of Univ. of Sydney adopted By-laws setting out duties and powers of Advisory Council and Warden of New England Univ. Coll., whereby their authority and responsibilities were considerably increased.

ADULT EDUCATION WORK. Directed by the Sr. Staff Tutor assisted by pt.-time tutors, 21 classes on widely varied subjects have attracted an effective enrolment of 351 in six centres up to 70 miles distant from Armidale.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Sir W. Ivor Jennings (Ceylon), on "Commonwealth Relations"; Prof. F. H. Soward (British Columbia), on "Canada's External Policy"; Prof. J. B. Condliffe (Berkeley), on "America's Foreign Policy"; Prof. H. St. John (Hawaii), on "International Co-operation in Science"; J. S. Furnivall (Rangoon), on "South-East Asia"; Dr. J. F. Foster (Universities' Association), on University Affairs; Prof. A. H. McDonald (Sydney), on Ancient History; Mr. H. M. Green (Sydney), on "Australian Literature"; Prof. J. T. Wilson (Toronto), on "Geophysics."

RESIGNATIONS. Betty L. M. Adamson (Maths.); I. Jean McPhail and Betty M. B. Millington (Bot. and Zool.); Helen McRoberts (Geol.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1	160
Women	4	78
Total	5	238

Included in the above are 43 postgraduate students and 65 first-year admissions.

DEGREES. Arts: M.A., 1; B.A., 38. Science: B.Sc., 17.

UNIVERSITY OF TASMANIA *

HOBART

Founded 1890

Postal Address : Box 647c G.P.O., Hobart.

Telegraphic Address : University, Hobart.

Telephone : Hobart 7266.

VISITOR—H.E. The Rt. Hon. Sir RONALD HIBBERT CROSS, P.C.,
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., F.C.I.S.

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., Ph.D.
Lond. Sr. Lectr.
Paton, D. M., B.Sc. Lectr.
1 Demr.

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. Zür. F.R.I.C.
Sr. Lectr.
Cran, J. E., B.A., B.Sc. Q'ld.
Lectr.
Smythe, L. E., M.Sc. Syd. Lectr.
4 Demrs., 1 Lab. Offr.

Classics

Elliott, J. R., B.A. Syd., M.A.,
Dip. Class. Arch. Camb. Prof.
Waters, K. H., M.A. Camb.
Sr. Lectr.

Commerce

Firth, G. G., B.Sc. (Econ.) Lond.
Prof.
Dallas, K. M., B.Com. Sr. Lectr.
Lecturers
Lithgow, G., M.A. Glas., B.A.
Oxon.
Hewer, A. R., F.I.C.A. (Accy.).
Burbury, S. C., K.C., LL.B.
Asten, W., B.A., Dip.Ed. Manc.

Education

Hardie, C. D., M.A. Camb. Prof.
Doe, T. E., B.Sc. Sr. Lectr.
Lecturers
Hills, W., B.A.
Collins, T. G., B.Sc., Dip.Ed.
Perkins, W. H., B.A., Dip.Ed.
Wilmot, Mrs. Charlotte M., B.A.,
Dip.Ed., Dip.Phys.Ed. Syd.
Horsfall, Margaret L. O., B.A.
W.Aust.

Engineering

Burn, A., B.E. Syd., LL.D. Lond.,
M.Sc. Prof.

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

Tuck, H. P., M.E., B.Sc. Adel.
Assoc. Prof.

Senior Lecturers
Burrell, G. J., B.E. (Mech.) N.Z.
Newstead, G. H., M.E.E. Melb.
Oliver, A. R., M.E. Adel.

Lecturers
Griffits, A. E. H., B.Sc. Lond.
Brownell, C. D., B.E.
Szomansky, E., M.Sc. Warsaw.
Lilley, E. M., B.A. Oxon., B.Sc.
1 Demr., 4 Mechanics.

English Lang. and Literature

Taylor, A. B., M.A. Oxon. Prof.
Harwood, F. W., M.A. Melb.
Sr. Lectr.
Stokes, E., M.A. Syd. Lectr.

Geography

..... Sr. 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.
Townesley, W. A., B.A. Birm., Dip.
Ed. Lond., M.A. Sr. Lectr.
McRae, M. D., B.A. Lectr.

Law

Baker, R. W., B.C.L., B.Litt.
Oxon., LL.B. Prof.
Lecturers
Roulston, R. P., LL.B. Syd.
Everett, M. G., B.A., LL.B.
Crisp, M. P., LL.B.
Solomon, H. J., B.A., LL.B.

Mathematics

Pitman, E. J. G., M.A., B.Sc.
Melb. Prof.
Löwig, H. F. J., D.Nat.Sc.
Prague, D.Sc. Sr. Lectr.
Lecturers
Urquhart, M. L., B.Sc.
Sprent, P., B.Sc.

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.

Philosophy

..... Prof.

Physics

McAulay, A. L., M.A. Camb.,
Ph.D. Manc., B.Sc., F.I.P.
Prof.
Cruickshank, F. D., D.Sc.
Assoc. Prof.

Senior Lecturers

Fenton, A. G., Ph.D. Birm., B.Sc.
Buchdahl, H. A., B.Sc. Lond.,
D.Sc.

Lecturers

Scott, B. I. H., B.Sc.
Harvey, G. C., B.Sc.
5 Techns.

Psychology

Cardno, J. A., M.A. Aberd. and
Camb. Assoc. Prof.

Zoology

Hickman, V. V., B.A., D.Sc.
Ralston Prof.
Guiler, E. R., B.Sc. Belf.
Sr. Lectr.
1 Demr.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Accountant, G. B. Harrison. Registrar's Asst.,
D. A. Kearney. Asst. Accountant, W. E. Nicholls. Sr. Clerk, Linda E.
Weidenhofer.

LIBRARY. Asst. Librarian, D. H. Borchardt, M.A. N.Z.

PHOTOGRAPHIC DEPT. TECHN., T. S. McMahon; Asst., D. W. Peacock.

AFFILIATED RESIDENTIAL COLLEGE

CHRIST COLLEGE, Park St., Hobart. (*Telephone* : Hobart 4580.) Warden—Rev. A. A. W. Gray, M.A. For University and Theological students only, fees £100 p.a. Accommodation, 36.

AFFILIATED SCHOOLS

MT. LYELL SCHOOL OF MINES AND INDUSTRIES, Sticht St., Queenstown. (*Telephone* : Queenstown 36.) Registrar, E. W. Woolley, B.Sc.

HOBART TECHNICAL COLLEGE, Bathurst St., Hobart. (*Telephone* : Hobart 3005.) Principal, T. W. Rees, B.Com.

LAUNCESTON TECHNICAL COLLEGE, Wellington St., Launceston. (*Telephone* : L'ton 887.) Principal, W. G. Speers, B.Sc.

GENERAL INFORMATION

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was, in 1915, granted a Royal Charter. To the original Facs.—Arts, Science, and Law—Commerce was added in 1919 and Engineering in 1922. Music (included under the Fac. of Arts) was taught from 1935 to 1938, but the Lectureship has lapsed. The State Govt. grant for 1950-51 was £85,061 and the Commonwealth Govt. contributed £15,000 to the cost of training ex-Service men. Chemistry and some Engineering subjects are taught under a jt. arrangement between the Univ. and the Hobart Techn. Coll. ; the Jt. Bd. of Management received a separate grant of £28,100 from the State Govt. for these depts. in 1950-51. Annual grants are made by the Commonwealth Govt. (£9000 in 1951) and State Govt. (£2000 in 1951) for the purpose of research work and the training of research students.

LIBRARY. 74,642 vols. and 12,320 pamphlets.

LABORATORIES. Chem., Phys., Zool., Bot. and Geol., and Civ., Elect., and Mech. Engin. Testing plant in Engin. Dept.

FACULTIES AND DEANS. *Arts*, Prof. A. B. Taylor ; *Law*, Prof. R. W. Baker ; *Science*, Prof. S. W. Carey ; *Engin.*, Prof. A. Burn ; *Commerce*, Prof. G. G. Firth ; *Educn.*, Prof. C. D. Hardie.

ADMISSION REQUIREMENTS. English Expression and 5 other subjects, including (a) one from English Lit. and Hist., (b) a foreign lang., (c) Maths. 3 of the 5 other subjects must be passed at matricn. higher standard, the remaining 2 at matricn. lower or Schools Board pass standard. Students must normally be 17 before being admitted to matricn. status. Prerequisites are required for certain subjects, e.g. matricn. higher pass in French for Univ. French I. Overseas applicants must give evidence that they are qualified for admission in an English Univ. or in a Univ. of standing in their own country. If from a foreign country, they must show reasonable proficiency in English. Persons not below 25 yrs. of age who satisfy the Professorial Bd. that they possess sufficient qualifications for the courses they propose to pursue may be exempted from some or all of the matricn. requirements. *Admission of non-members.* Any person whether matriculated or not may enrol for Univ. classes provided he can satisfy prerequisites (if any).

DEGREES, DEGREE COURSES. 3 yrs., B.A., B.A. (Hons.), B.Sc., B.Ec., 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.) ; **DEGREES**

COMPLETED ELSEWHERE. First yr. of courses leading to degrees in Med., Dent., and Agric. Sci. (Melbourne or Adelaide), Vet. Sc. (Sydney).

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., LL.M., M.Ec., M.Com., Ph.D. (Sci. and Engin.); 3 yrs., M.E.; 6 yrs., D.Sc.; 7 yrs., D.Litt., LL.D.; to Masters of 3 yrs.' standing, LL.D.

DIPLOMAS. Postgraduate; Public Admin., 2 yrs.' course; Educn., 1 yrs.' course. CERTIFICATES. Public Admin., Educn., 2-yr. course. DIPLOMAS OF THE AFFILIATED SCHOOLS: Elect., Mech. and Struct. Engin., App. Chem., Chem. Engin., Metall., Assaying and Metal Mining.

EVENING CLASSES: Evening classes held for Commerce and Econ. students, who may gain degrees by pt.-time study.

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.), £75; Sci. (3 yrs.), about £115; Sci. (Hons.) (4 yrs.), about £150; Sci. (Appl.) (4 yrs.), about £180; Engin. (4 yrs.), £170; Law (5 yrs.), £147; Commerce (3 yrs.), £80. Courses spread over longer periods than the minima would cost more.

PUBLIC EXAMINATIONS. Matricn.; Music (held in conjunction with other Australian Univs.).

POSTGRADUATE SCHOLARSHIPS AND GRANTS. Commonwealth Research Scholps., £300—£350 p.a.; I.C.I.A.N.Z. Research Fellowship (from a grant made by the Imperial Chemical Industries of Australia and New Zealand Ltd.), £600 p.a.

APPOINTMENTS BOARD. Establishment of Appts. Bd. is provided for by statute, but operations suspended as little call on its services in present period of full employment.

GRADUATES ASSOCIATION. Tasmanian Women Graduates Assoc. Pres., Dr. C. Walch, 171 Macquarie St., Hobart.

STUDENTS' UNION. Tasmania Univ. Union; Sec., E. M. Barrett.

STUDENTS' RESIDENCES. (*See also* Affiliated Colleges): Jane Franklin Hall (Women), 308 Davey St. (Telephone: Hobart 5728). Accom. for 18; Fees, £100 p.a.; Principal, Miss T. W. Slatyer, B.A.

PUBLICATIONS. *Univ. Calendar* (May, 3s.); *Matriculation Manual* (July, 3s.); *Details Degree Examns.* (June, 6d.); *Degree Examn. Papers* (May, Pt. I: Arts, Law, Commerce, 2s. 6d.; Pt. II: Sci. and Engin., 2s. 6d.); Students' paper, *Togatus* (monthly).

THE YEAR 1950

BENEFACTIONS. Electrolytic Zinc Co., £500 towards staff member's expenses while on study leave; Sir Alfred Davidson, 258 books on Econ. and Commerce.

BUILDINGS. Tests made for foundations for the new Univ. at Sandy Bay.

NEW COURSE. 3-yr. course in Psychol. established.

CHANGES IN RULES. Degree of B.A. (Hons.) now awarded for work of high quality over the whole course and not in special subjects as previously.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. J. B. Condliffe, California (Econ.); Sir Ivor Jennings, Ceylon (Pol. Sci.); Prof. J. T. Wilson, Toronto (Geophys.); Prof. W. G. Friedmann, Melbourne (Public Law).

AUSTRALIA

RESIGNATIONS. W. T. Dowsett (Econ.), apptd. Sr. Lectr. (Econ.), Univ. of W. Australia ; P. M. Goodman (Law).

DEATH. Mrs. N. E. Phillips (English).

R.A.A.F. TRAINING UNIT. A R.A.A.F. Training Unit established at the Univ.

STUDENTS.

	<i>Part Course</i>	<i>Full Course</i>
Men	218	264
Women	73	115
Total	291	379

Included in the above are 27 postgraduate students and 185 first-year admissions.

DEGREES. B.A., 18 ; B.A. (Hons.), 9 ; M.A., 4 ; B.Com., 16 ; B.Ec., 2 ; B.Eng.Sc., 1 ; B.E., 10 ; LL.B., 10 ; LL.B. (Hons.), 4 ; B.Sc., 31 ; B.For., 3 ; B.Sc. (Hons.), 12 ; B.Sc. (Applied) (Hons.), 2 ; M.Sc., 2 ; Ph.D., 1.

THE UNIVERSITY OF WESTERN AUSTRALIA PERTH

Founded 1911

Postal Address : Nedlands, W.A.

Telephone : WM2481 (13 lines).

VISITOR—H.E. THE GOVERNOR, Lt.-Gen. Sir CHARLES H. GAIRDNER,
K.C.M.G., C.B., C.B.E.

CHANCELLOR—ERIC WILLIAM GILLET, 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—ROWLAND M. FLETCHER.

LIBRARIAN—M. EVALYN WOOD, M.A.

TEACHING STAFF

Agriculture

Underwood, E. J., Ph.D. Camb.,
B.Sc. (Agric.)

Dean, Fac. of Agric., Prof.
Stewart, A. M., B.Sc. (Agric.)

Sr. Lectr.

Lecturers

Drover, D. P., B.Sc. Syd.

Moir, R. J., B.Sc. (Agric.).

Scutt, P. B., M.Sc. Melb.

Research Officers

Millington, A. J., M.Sc. (Agric.).

Rossiter, R. C., M.Sc. (Agric.).

Rowley, Sheila I., B.A.

Bailey, E. T., B.Sc.

Jitts, H. J., B.Sc.

Turton, A. G., B.Sc.

Wallace, M. M. H., B.Sc.

4 Pt.-time Lectrs., 1 Tech. Asst.

Brittan, N. H., B.Sc., Ph.D. Durh.

Sr. Lectr.

Baird, Alison M., B.Sc. Lectr.

Smith, G. G., B.Sc. Lectr.

Speck, N. H., B.A. Res. Officer.

2 Pt.-time Lectrs.

Chemistry

Bayliss, N. S., B.A. Oxon., B.Sc.

Melb., Ph.D. Calif. Prof.

White, D. E., B.Sc., D.Phil. Oxon.

(Org. C.)

Reader, Hd. of Dept.

Senior Lecturers

Elliott, G. A., M.Sc., Ph.D. Lond.

Miller, J., B.Sc., Ph.D. (Org. C.)

Lond.

Stokes, R. H., D.Sc. N.Z., Ph.D.

Camb.

Lecturer

Levien, Barbara J., M.Sc. N.Z.

Research Officers

Bradbury, R. B., M.Sc.

Botany

Grieve, B. J., M.Sc. Melb., Ph.D.

Lond. Reader, Hd. of Dept.

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

Koch, D. F., B.Sc.
 Sullivan, C. J., M.Sc.
 2 Grad. Assts., 2 Tech. Assts.

Classics and Ancient Hist.

Austin, M. N., M.A. Oxon. Prof.
 Ward, Miss Islay, B.A. Oxon.
 and W.Aust. Lectr.
 2 Pt.-time Lectrs.

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.
 (Prosth.) Reader.

Senior Lecturers

Brinsden, G. I., B.D.Sc.
 Jitts, J., B.D.S. Syd.
 Richardson, B., D.Sc. Melb.
 12 Pt.-time Lectrs.

Economics

Mauldon, F. R. E., B.A., M.Ec.
 Syd., Litt.D. Melb. Prof.
 Dowsett, W. T., M.Ec. Syd.

Sr. Lectr.

Harris, Miss Merab, M.A., Ph.D.
 Lond. Sr. Lectr.

Lecturers

Cook, A., B.A.
 Gentilli, J., D.Sc. Venice.
 Oxnam, D. W., M.A. N.Z.
 4 Pt.-time Tutors.

Education

Cameron, R. G., M.A. Syd.
 Dean, Fac. of Educn.,
 Prof.

Wheeler, D. K., Ph.D. Lond.,
 B.A., Dip.Ed. Sr. Lectr.
 Merrilees, D., B.Sc. Syd. Sr. Lectr.
 Priest, T. A., B.A. N.Z., Ed.B.
 Glas. 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.
 Downs, B., M.Eng. Liv. (Mech.
 E.) Reader, Hd. of Dept.

Senior Lecturers

Espie, J. R., B.E. (Hydr.).
 Lutz, G. G., B.E. (Mech. E.).
 Townsend, W. G., B.E.
 Sr. Lectr. and Test.
 Officer.

Lecturers

Bundell, J. H., B.E. (Elect. E.).
 Hill, G. B., D.Phil. Oxon., B.E.
 Hondros, G., B.E. (Civil E.).
 Minchin, R. S., B.Sc. (Eng.)
 (Mech. E.).
 Silvester, R., B.E. (Hyds.).
 1 Pt.-time Lectr., 3 Tech. Assts.

English

Edwards, W. A., M.A. Camb.
 Dean, Fac. of Arts, Prof.
 King, A., M.A. Oxon. Sr. Lectr.
 Burrows, L. R., M.A. Sheff.
 Sr. Lectr.

Lecturers

Bradley, D., B.A. Melb.
 Ross, J. M. A., B.A.
 Tweedie, Jean, M.A. Melb.
 Watson-Williams, Helen B., B.A.
 Oxon.
 1 Pt.-time Lectr., 2 Grad. Assts.,
 2 Pt.-time Tutors.

French

Tauman, L., L. ès L., D. de l'U.
 Aix, D. ès L. Paris Sr. Lectr.
 Lecturers
 Morrow, Christine, D.U.T., B.A.
 Randall, Jean, M.A., Dip.Ed. Melb.

Geology

Prider, R. T., B.Sc., Ph.D. Camb.,
 F.G.S.
 Dean, Fac. of Sci., 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

..... Sr. Lectr.
1 Pt.-time Lectr.

History

Alexander, F., M.A. Melb. and
Oxon. Prof.
Legge, J. D., M.A. Melb. Lectr.
Jackson, Dorothy, M.A. Wash.
Lectr.
Sadka, Emily, B.A. Res. Officer.
1 Pt.-time Lectr.

Italian

Vanzetti, F. Pt.-time Lectr.

Law

Beasley, F. R., B.A. Oxon., LL.B.
Syd. Dean, Fac. of L., Prof.
Senior Lecturers
Brett, P., LL.B. Lond.
Downer, L. J., B.A. Oxon.,
LL.B. Syd.
Parsons, R. W., B.A., LL.B. Syd.
6 Pt.-time Lectrs.

Mathematics

Blakers, A. L., M.A., Ph.D.
Princet., B.Sc. Prof.
Gamblen, F., M.A. Camb., M.Sc.,
Dip.Ed. Sr. Lectr.
Storer, R., B.A., B.Sc., 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.
..... Res. Officer.
1 Pt.-time Tutor.

Physics

Birkett Clews, C. J., B.Sc., Ph.D.
Lond. Prof.
Shearer, J., B.A., M.Sc. Melb.,
F.I.P. Reader.
Williams, S. E., M.Sc. Syd., Ph.D.
Brist., F.R.A.S. Sr. Lectr.
Jeffery, P. M., B.Sc. Lectr.
Morton, A. H., M.Sc. Lectr.
Swan, J. B., M.Sc. Melb. Lectr.
1 Pt.-time Lectr., 2 Tech. Assts.

Psychology

Marshall, A. J., B.A., Ph.D. Lond.,
F.B.Ps.S.
Reader, Hd. of Dept.
Morey, Miss Elwyn A., Ph.D.
Calif., M.A., B.Ed. Melb.
Sr. Lectr.
Taft, R., B.A. Melb., M.A. Col.,
Ph.D. Calif. 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.
Malcolm, B., B.Sc. Res. Officer.
Sheard, K., M.Sc. Res. Officer.
2 Grad. Assts., 2 Tech. Assts.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar, A. J. Williams, B.A., Dip.Ed.
Clerk of Exams. and of Convocation, L. A. W. Richards, B.A., Dip.Com.
Asst. Sec. for Public Exams., Enid M. Keen. Sub-Accountant, W. Meiklejohn.
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. Assts., H. Kathleen Edmiston, B.A.; Anthea Williamson, B.A.

ADULT EDUCATION. Dir., Prof. F. Alexander. Asst. Dir., J. Birman. Tutor-Organizer (country), Anastacia Edwards. Sec., B. Newton.

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. *Telephone*: WM2481.

WOMEN'S COLLEGE (at present in temporary quarters). (*Telephone*: WM2877.) Actg. Warden—M. Evalyn Wood, M.A.

UNIVERSITY HOSTEL (men). (*Telephone*: WM2876).

AFFILIATED SCHOOLS

PERTH TECHNICAL COLLEGE, St. George's Tce., Perth (*Telephone*: B7158); **SCHOOL OF MINES**, Kalgoorlie, W.A.; **AGRICULTURAL COLLEGE**, Muresk, W.A.; **WESTERN AUSTRALIAN COLLEGE OF DENTAL SCIENCE**, Wellington St., Perth (*Telephone*: B9631); **STATE TEACHERS' COLLEGE**, Claremont, W.A. (*Telephone*: F2154).

GENERAL INFORMATION

Established by Act of the State Legislature in 1911, the University opened its first session in 1913. Its present site of 165 acres is at Crawley-Nedlands on a bay of the Swan estuary about 4 miles from Perth. On the site are extensive playing fields and two open-air theatres. The main University buildings, including Winthrop Hall, the student block, the Arts lecture rooms and the Library, were made possible by a bequest of Sir J. Winthrop Hackett, the first Chancellor of the Univ., and to-day are known as the Hackett Memorial Buildings.

A building and re-equipment programme of £250,000 has been carried out since the war, but large-scale bldg. developments, including the establishment of a Medical School, have had to be deferred because of bldg. difficulties.

The University at present receives a statutory annual grant from the State Government and additional annual appropriations for current revenue from the same source. The total State grant at present is approx. £250,000. For general and research purposes, the Commonwealth now makes a grant of approx. £75,000. Total expenditure on all activities, including Public Examns. and Adult Educn., is between £350,000 and £400,000.

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., Dent., Geol., Engin., Phys., Physiol., Psych., Zool. **MUSEUMS.** Agric., Bot., Geol., Zool.

LIBRARY. Total volumes, 95,000. Accessions during 1950, 5592.

FACULTIES AND DEANS. Arts, Prof. W. A. Edwards; Science, Prof. R. T. Prider; Engin., Prof. O. F. Blakey; Law, Prof. F. R. Beasley; Agriculture, Prof. E. J. Underwood; Dent. Sci., Prof. H. G. Radden; Educn., Prof. R. G. Cameron.

DEGREE COURSES: 3 yrs.—B.A., B.Sc.; 4 yrs.—B.A. (Hons.), LL.B., B.Ed., B.Sc. (Hons.), B.Sc. (Agric.); 5 yrs.—B.D.Sc., B.Sc. (Agric.) (Hons.), and B.E. First-year Medicine is given as a course of Fac. of Sci.

HIGHER DEGREES. M.A., M.Ed., D.Litt., M.Sc., D.Sc., D.D.Sc., M.E., D.Eng., LL.M., LL.D., and Ph.D. In Arts and Sci. a Master's degree cannot be obtained in less than 5 yrs. from matricn. All higher degrees involve research. To proceed to a Master's degree a student must graduate with Hons. or pass an Hons. examn.

EVENING OR LATE AFTERNOON CLASSES are held in the Facs. of Arts and of Educn. only, but certain Science classes may be taken in the evenings at affiliated Colls.

FEES. Matricn., no fee. *Ad eundem statum*, £1: 1s. Admission to Degrees: Bachelors, £3; Masters, £5; Doctors, £10. No lecture fees are charged, but there is a fac. service charge varying in amount up to £12 p.a. approx., covering examn. fees, use of lab. equipment, hire of microscopes, loan of books from library, etc. Library deposit of £2 also charged.

Students coming from overseas and neither normally nor likely to become permanently resident in Australia are charged an annual 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 Sci., overseas students are charged the same fees as local students. Approx. fees for local Dental students are: 1st yr., £30; 2nd, 3rd, and 4th yrs., £70; 5th yr., £50.

RESIDENCE. University Hostel (accomm. for 120 men). A separate portion of the Hostel has been set aside for women and is now temporarily conducted as a Women's Coll. Accom. for 60 women. (*See under* "Residential Colleges," above.) Fee: about £3: 3s. per week. Enquiries regarding the Men's Hostel should be addressed to the Manager. St. George's Coll. (*v. supra*) provides accomm. for 90 men students at a cost of approx. £125 p.a.

PUBLIC EXAMINATIONS. School Certifs. (Jr. and Leaving), Music, and Art of Speech. School Certif. Examns. held annually in Nov.; practical examns. in Music and Art of Speech between Aug. and Dec.

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.

ADMISSION. Normal matricn. is based on 5 passes, including English, in the W.A. Leaving Examn. taken by intending students at the age of 17 yrs. plus. Students with qualifns. sufficient to admit them to matricn. in recognized Univs. abroad may be granted equivalent status.

ADULT MATRICULATION. Persons who have attained the age of 25 yrs. may be admitted as matriculated students in the Facs. of Sci., Agric., and Dental Sci., Engin., if the Fac. 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 Facs. of Arts, Law, 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.

ADULT EDUCATION. Adult Educn. work is controlled by the Univ. Adult Educn. Bd., which has its headquarters and library in Chancery Hse., Howard St., Perth. Its activities, which are State-wide and include extension lectures, orchestral concerts, drama, opera, and ballet, are carried on in the metropolitan area of Perth as well as in country districts. Annual Summer School held in Jan. at the Univ.

STUDENT ORGANIZATION. The student organization is known as the Guild of Undergraduates and the student bldg. which forms part of the Hackett Memorial bldgs. is known as Hackett Hall. Annual subscription to the Guild is £3 : 13 : 6, but in first yr. students pay an extra £1 : 1s. registration fee. Pt.-time students pay a proportionate fee.

ATHLETIC ACTIVITIES, ETC. The Univ. grounds contain 3 main sporting ovals as well as grass tennis courts, hockey, and basket-ball grounds. There are 2 open-air theatres—the Somerville Auditorium seating 2000 and the Sunken Garden seating 400—for concerts and drama. The lawns are also used, during the annual Summer School, for folk-dancing. The Univ. is situated beside the Swan river and aquatic sports, including rowing, are popular.

SCHOLARSHIPS, ETC. The major awards available to local students include the Commonwealth Scholps. and Hackett Bursaries awarded to undergraduates. At the graduate level there are Hackett Scholps. for local study (£125 p.a. if held at the Univ. or £175 if held at another institution) as well as Hackett Studentships (£1000 spread over 2 yrs.) and Gledden Fellowships (£750 p.a. for 2 yrs.) for study abroad.

ARMY AND AIR FORCE UNITS. There is a Univ. regiment and an Air Force unit.

PUBLICATIONS. *Calendar*, 5s.; *Orientation Handbook*, free to new students; *University Gazette*, 3d.; *Public Examn. Manual*, 3s. 6d.; *Black Swan* (Students' Magazine). 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 and acts as a publishing organization. The Univ. has a Publications Committee which also sponsors publications. The *Annual Law Review*, 7s. 6d., and the *Educand*, 5s., are published under the auspices of the Cttee.

THE YEAR 1950

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Bertrand Russell; Prof. M. L. E. Oliphant, Australian National Univ.; Sir Ivor Jennings, Vice-Chancellor, Univ. of Ceylon; Dr. J. F. Foster, Secretary, Association of Universities of the British Commonwealth.

BUILDINGS. Alterations and extensions were of a minor character, but the Univ. continued to give attention to the bldg. of houses for its staff. Large developmental works, including a new library, had to be held over because of shortage of labour and materials.

FINANCE. During the yr. the Univ. recd. a first visit from the Australian Commonwealth Cttee. of Enquiry into University Needs. As a result it is anticipated that the Univ. will receive £75,000 from Commonwealth sources during 1951, that amount including funds for research.

RETIREMENT. Prof. C. E. Weatherburn (Maths.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	556	834
Women	211	239
Total	767	1073

Included in the above are 173 postgraduate students and 439 first-year admissions.

DEGREES. B.Sc. (Agric.), 9; M.A., 8; B.A., 108; B.Ed., 4; Dip.Ed., 13; M.E., 1; B.E., 44; B.Sc. (Eng.), 3; LL.B., 20; M.B., B.S. (*ad eundem gradum*), 3; D.Sc., 1; Ph.D., 1; M.Sc., 4; B.Sc., 69.

CANBERRA UNIVERSITY COLLEGE *

Founded 1930

Postal Address : P.O. Box 197, Canberra City, A.C.T.

Telegrams : Unicol, Canberra.

Telephone : 618 F401.

CHAIRMAN OF THE COUNCIL—Sir ROBERT RANDOLPH GARRAN, G.C.M.G., K.C., M.A. Syd., LL.D. Melb.

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—CLARE CAMPBELL-SMITH, B.A., Dip.Ed. Tas.

TEACHING STAFF

Economic History

Burton, H., B.A. Q'ld., M.A. Oxon. and Melb. - Prof.
1 Pt.-time Lectr.

Economics and Commerce

Arndt, H. W., M.A., B.Litt. Oxon. 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.
8 Pt.-time Lectrs.

English

Hope, A. D., B.A. Syd. and Oxon. Prof.
Todd, F. M., M.A. N.Z., Ph.D. Lond. Lectr.
2 Pt.-time Lectrs.

Geology

.....

History

Clark, C. M. H., M.A. Melb. Prof.

Baker, D. W. A., B.A. Melb.

Lectr.
Gardiner, L. R., B.A. Brist. Lectr.
Thompson, Ailsa G., B.A. Melb. Res. Asst.

Law

Fleming, J. G., M.A., D.Phil. Oxon. Sr. Lectr.
7 Pt.-time Lectrs.

Mathematics

Greenhalgh, H., M.A. Melb. Pt.-time Lectr.
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.
5 Pt.-time Lectrs., 3 Pt.-time Tutors.

Pacific Studies

Moore, T. I., B.A. Syd., M.A. Oxon. Sr. Lectr.

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

<i>Philosophy</i>	<i>Political Science</i>	[Prof.]
Gibson, Q. B., B.A. Melb., M.A. Oxon. Sr. Lectr.	Crisp, L. F., M.A. Oxon. and Adel. Beddie, B. D., B.A. Syd. 2 Pt.-time Lectrs.	Lectr
Donagan, A. H., B.A. Melb. Lectr.		
Benjamin, B. S., B.A. Melb., B.Phil. Oxon. Temp. Lectr.	<i>Psychology</i>	[Sr. Lectr.]
	Pentony, P., M.A. W.Aust.	

ADMINISTRATIVE AND OTHER STAFF

Registrar's Asst., T. J. Keith. Administrative Assts., D. W. K. Webster, B.A. Syd.; P. W. Brett. Sec. to Registrar, Helen Y. Jones.

LIBRARY. Asst. Librarian, Dorothy M. Leaper, B.A. Melb.

Pt.-time Warden, "Gungahlin" Hall of Residence, J. O. Clark, LL.B. Adel.

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 1950, £44,300.

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. 10,000 vols. 4200 pamphlets.

DEGREE COURSES (of the University of Melbourne). Bachelor of Arts (B.A.) (ordinary); Bachelor of Commerce (B.Com.); Bachelor of Laws (LL.B.); Master of Arts (M.A.); Master of Commerce (M.Com.).

DIPLOMA COURSES (of the University of Melbourne). Commerce (Dip.Com.); Public Administration (Dip.Pub.Ad.).

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.

The CANBERRA UNIVERSITY COLLEGE STUDENTS' ASSOCIATION is the organized representative body of the students of the College.

PUBLICATIONS. *Calendar* (January), 2s. ; *Prometheus* (Students' Magazine) (annually), 2s. ; *Woroni*, fortnightly each term, 3d. ; *Commonwealth Literary Fund Lectures* ; *Commonwealth Institute of Accountants Research Lecture* ; *Annual Commencement Address*.

THE YEAR 1950

NEW DEPARTMENT AND POSTS. Work began in the new dept. of Psychol. Chairs of English and of Economics established.

RETIREMENT. Dr. L. H. Allen (English and Classics).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	263	14
Women	42	8
Total	305	22

Included in the above are no postgraduate students and 131 first-year admissions.

DEGREES. B.A., 7 ; M.A., 1 ; LL.B., 1 ; B.Com., 6 ; Dip.Com., 1 ; Dip. Pub.Ad., 1.

NEW ZEALAND

UNIVERSITY OF NEW ZEALAND (p. 943)
UNIVERSITY OF OTAGO (p. 947)
CANTERBURY UNIVERSITY COLLEGE (p. 957)
AUCKLAND UNIVERSITY COLLEGE (p. 962)
VICTORIA UNIVERSITY COLLEGE (p. 967)
CANTERBURY AGRICULTURAL COLLEGE (p. 971)
MASSEY AGRICULTURAL COLLEGE (p. 974)

UNIVERSITY OF NEW ZEALAND*

Founded 1870

Corner Bowen and Mowbray Streets, Wellington.

Postal Address : P.O. Box 8035, Govt. Buildings, Wellington, C.I.

Telegrams : Aude, Wellington.

Telephone : 43415.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—The Hon. Sir DAVID STANLEY SMITH, D.C.L. Oxon., LL.M.

PRO-CHANCELLOR—LEONARD JOHN WILD, O.B.E., M.A., B.Sc.

VICE-CHANCELLOR—.....

REGISTRAR—IAN FRASER MCKENZIE, M.A., B.Com.

AGENT IN ENGLAND (FINANCIAL)—THE HIGH COMMISSIONER FOR NEW ZEALAND, 415 The Strand, London, W.C.2. (ACADEMIC)—Prof. R. O. BUCHANAN, B.Sc., Ph.D. Lond., M.A., London School of Economics.

ASSISTANT REGISTRAR—E. G. KEDGLEY, B.A., B.Com.

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.

GENERAL INFORMATION

The University was founded, as a purely examining University, by an Act of the Colonial Govt. in 1870. It received its Royal Charter in 1876. Its constitution is defined in the N.Z. University Act, 1908, and subsequent amendments. The most important of these later amendments was that of 1926 by which the Univ. was re-established as a federal Univ. consisting of the four constituent University Colleges. 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

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

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 mainly examining. Since the reconstitution of 1926, as the Colleges have grown in size and importance, 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. A student admitted to the Univ. may enter himself on the books of any coll., and may transfer at the end of a session to any other coll. Such transfers are frequent with students progressing from the earlier to the later parts of professional courses available in one coll. only.

EXTERNAL STUDENTS. Provision is made in certain faculties (notably Arts, Comm., and Law) for the admission to degree examns. of students exempted from attendance at a College. Exemption is available only to students domiciled in N.Z. and in N.Z. Island Territories.

ACADEMIC YEAR. Teaching extends from March to Oct. or Nov., in three terms, Autumn (March–May), Winter (June–Aug.), and Spring (Sept.–Oct. or Nov.).

DEGREE COURSES. 3 yrs.—B.A., B.Sc., 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., Elect., 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* 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 every subject of the B.A. or B.Sc. syllabus and in Law, Medicine, Dentistry, Engineering, and Agriculture—£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 by D.S.I.R. to Science 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 (£340 p.a.) are awarded annually from the Research Fund, which from time to time may make awards of a higher value to sr. workers.

PUBLICATIONS. *Calendar* (Oct.), 3s. (incl. postage); *Minutes of Prods. of Senate*, free; *Examn. Papers*, 1s. 6d. or 1s. a set; *Research in the University*, 1946-1949; *History*: J. C. Beaglehole, *The University of New Zealand*.

UNIVERSITY PRESS. Established 1947, as a grant from the Senate. Publishes text-books and works of scholarship.

THE YEARS 1949, 1950

The most important event in this period was a complete survey of the finances of the 6 colls. by the Grants Committee. On the basis of this the N.Z. Govt. accepted in principle a system of grants calculated on a quinquennium from 1950 to 1954. In 1949 a general election resulted in the opposition party being returned to power and the new Govt. accepted the quinquennial grants plan approved by its predecessor.

CHANGES IN REGULATIONS. Revised courses for Dipl. in Fine Arts, M.Agr.Sc. (with specialization in Agric., Dairy Technol., or Hortic.), B.Com., B.E. (with new courses in Mining and Metall.), Mus.Bac. (new Hons. degree), M.A., M.Sc. (permitting variation of courses in individual colls.). New regns. for Univ. Entrance Examn.

DEATH. Sir Apirana Ngata, former member of Senate.

HONORARY DEGREES. *D.Litt.*—Lord Beveridge; Prof. R. Syme, Camden Prof. of Anc. Hist., Oxford; Sir Thomas Hunter, Vice-Chancellor of the Univ., 1929-47. *D.Sc.*—P. Marshall, sometime Pres. of Royal Soc. of N.Z.; Sir Raymond Priestley, Vice-Chairman, Association of Universities of the British Commonwealth.

STUDENTS, 1949.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	5516	3678
Women	1442	962
Total	6958	4640

Included in the above are 999 postgraduate students and 2333 first-year admissions.

STUDENTS, 1950.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	5286	3524
Women	1623	1082
Total	6909	4606

Included in the above are 978 postgraduate students and 2250 first-year admissions.

DEGREES. 1949: B.Agr.Sc., 39; M.Agr.Sc., 7; B.Arch., 6; B.A., 377; M.A., 163; B.Com., 81; M.Com., 20; B.D.S., 36; D.D.S., 1; B.D., 4; B.E., 97; B.H.Sc., 15; M.H.Sc., 3; LL.B., 63; LL.M., 12; M.B., Ch.B., 90; B.Med.Sc., 1; M.D., 4; B.Sc., 183; M.Sc., 75; D.Sc., 1; Mus.B., 7; Ph.D., 2.

1950: B.Agr.Sc., 48; M.Agr.Sc., 6; B.Arch., 7; B.A., 339; M.A., 153; B.Com., 84; M.Com., 3; B.D.S., 45; D.D.S., 1; B.D., 5; B.E., 105; B.H.Sc., 9; M.H.Sc., 2; LL.B., 48; LL.M., 7; M.B., Ch.B., 84; B.Med.Sc., 3; M.D., 1; B.Sc., 188; M.Sc., 66; D.Sc., 3; Mus.B., 9; Ph.D., nil.

UNIVERSITY OF OTAGO*

DUNEDIN

Founded 1871

Postal Address : P.O. Box 56, Dunedin.

Telephone : 13-909.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Very Rev. D. C. HERRON, M.C., Hon. D.D. St. And.,
M.A.

VICE-CHANCELLOR—R. S. AITKEN, D.Phil. Oxon., Hon. LL.D. Dal.,
M.D., F.R.C.P.

HON. TREASURER—C. V. SMITH, C.B.E.

REGISTRAR—J. W. HAYWARD, B.Com.

LIBRARIAN—F. H. ROGERS, M.A. Brist., F.L.A.

TEACHING STAFF

Anthropology

Skinner, H. D., D.C.M., M.A.
Camb., D.Sc., Dip.Anth.
Camb., F.R.S.N.Z. Reader.

Ploeser, J. M., B.Sc. Calif.,
Ph.D. Stanford Lectr.
McCurdy, Betty J., M.H.Sc.
Asst. Lectr.
Todd, C. M., M.Sc. Asst. Lectr.

Bacteriology

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.

Watt, M. N., M.B., Ch.B.
Sr. Lectr.

Marples, Mrs. Mary J., B.A.
Oxon., M.B., Ch.B. Sr. Lectr.

Faine, S., B.Med. Sc., M.B., Ch.B.
Lectr.

Bacon, D. F., B.Sc. Asst. Lectr.

Botany

Baylis, G. T. S., Ph.D. Lond., M.Sc.,
D.I.C. Lectr.-in-charge.
Holdsworth, M., B.Sc., Ph.D.
Lond., D.I.C. Lectr.
Slade, Brenda F., M.Sc. (on leave)
Asst. Lectr.

Chemistry

Soper, F. G., C.B.E., Ph.D., D.Sc.
Wales, F.R.I.C., F.R.S.N.Z.,
F.N.Z.I.C. Prof.
Carter, C. L., M.Sc. Reader.
Lecturers

Corbett, R. E., Ph.D. Camb.,
M.Sc.

Edwards, W. G. H., B.Sc. Lond.

Bottomley, G. A., B.Sc., Ph.D.
Leeds.

Biochemistry

Edson, N. L., Ph.D. Camb.,
B.Med.Sc., M.B., Ch.B.,
F.R.S.N.Z., F.N.Z.I.C. Prof.

Wyndham, R. A., B.Sc. Syd.
Sr. Lectr.

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

Assistant Lecturers

Murray, J., M.Sc. (on leave).
 Campbell, A. D., M.Sc.
 Fyfe, W. S., M.Sc.

Classics

Manton, G. R., M.A. Camb. Prof.
 Macdonald, C., B.A. Camb. Lectr.
 Hamilton, J. R., M.A. Edin.,
 B.A. Camb. Lectr.
 Thornton, Mrs. Agathe H. F.,
 B.A. Camb. and Lond., Ph.D.
 Edin. Asst. Lectr.

*Commerce**Part-time Lecturers*

Paterson, J. M., M.C. and Bar,
 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., B.Com.

*Dentistry, v. infra**Economics*

Billing, G. C., B.A. Adel., Ph.D.
 Lond.
 Dean, Fac. of Arts and
 Music, Prof.
 Bernardelli, H., D.Ph. Frankfurt
 Reader.
 Blakey, K. A., B.A., M.Sc. Lond.
 Lectr.
 1 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, Mrs. Barbara, M.A.,
 M.H.Sc. Pt.-time Asst. Lectr.
 1 Asst. Lectr.

English Lang. and Lit.

Greig, J. Y. T., M.A., D.Litt.
 Glas. Prof.

Cameron, G. M., M.A. Lond. and
 N.Z. Sr. Lectr.
 Whitaker, M. P., B.A. Oxon.
 Lectr.
 McRae, A. G., M.A. Asst. Lectr.
 Trevor, J. Sp. Lectr.

Geography

Lister, R. G., B.A. Lond.
 Lectr.-in-charge.
 Elliott, Eileen L., B.A. Camb.
 Lectr.
 Tweedie, A. D., M.A. Asst. Lectr.

Geology

Odell, N. E., Ph.D. Camb., F.G.S.
 Prof.
 Brown, D. A., Ph.D. Lond.,
 M.Sc., D.I.C., F.G.S.
 Sr. Lectr.
 Watters, W. A., M.Sc. Asst. Lectr.

Hebrew

Knight, Rev. G. A. F., M.A., B.D.
 Glas. Lectr.

History

Morrell, W. P., D.Phil. Oxon.,
 M.A. Prof.
 Ross, A., M.C. and Bar, Ph.D.
 Camb., M.A. Sr. Lectr.
 Olssen, E. A., M.A. Adel. (Pol.
 Sci.) Sr. Lectr.
 Huehns, Gertrude, B.A., Ph.D.
 Lond. Lectr.
 Parsonson, G. S., M.A. Asst. Lectr.

Home Science

Gregory, Elizabeth, Ph.D. Lond.,
 M.H.Sc., F.N.Z.I.C.

Dean and Prof.

Senior Lecturers

Bowbyes, Avie M., B.S., A.M.
 Col., Dip.H.Sc. (Clothing).
 Thomson, Helen M. S., Ph.D.
 Leeds, M.H.Sc. (Chemistry).
 Jackson, Phyllis R., M.H.Sc.,
 Dip.Ed. (Methods of Teach-
 ing).

Gray, Eleanor M., M.S. Iowa,
B.H.Sc., Dip.Ed. (Foods).
Murphy, J. E. P., Slade Dip.
(Design and Craft).

Lecturer

Macfarlane, Catherine E., B.H.Sc.
(Institutional Management).

Assistant Lecturers

Batham, Esperance I., M.H.Sc.
(Chem.).

Swindella, Yola E., M.H. Sc.
(Chem.).

Domigan, Ngaire, B.H.Sc. (Cloth-
ing).

Edwards, Mrs. Marjorie M., B.A.,
Dip.Ed. Liv., Dip.Th. Lond.
(Household and Soc. Econ.).

Law

Part-time Lecturers

Stephens, A. C., LL.M. (Juris-
prud.) Dean, Fac. of Law.

Paterson, J. M., M.C. and Bar,
M.A., LL.B. (Company Law
and Bankruptcy).

Fairmaid, R. L. (Conveyancing).

Haggitt, A. N., LL.B. (Roman
Law).

Barrowclough, C. B., B.A., LL.B.
(Conflict of Laws).

Curzon-Siggers, Canon W. A.,
LL.M. Camb., M.A. (Publ.
Internat. Law).

Thomson, J. B., LL.B. (Contracts).

Ward, J. P. (Practice and Pro-
cedure).

Hanan, F. M., LL.M. (Torts).

Nevill, P. H. W., LL.B. (Trusts
etc.).

Joel, M., LL.B. (Constitutional
Law).

Reid, W. H., LL.B. (Property).

Ross, H. S., LL.B. (Criminal Law).

Guest, F. W., M.A., LL.M. (Evid-
ence).

Marine Biology

Batham, Elizabeth J., Ph.D.
Camb., M.Sc. Lectr.

Mathematics, Pure and Applied

Gabriel, R. M., M.A. Camb. Prof.

Orton, A. A., M.A., M.Sc. W.

Aust. (Appl.M.) Sr. Lectr.

Silverstone, H., Ph.D. Edin., M.A.

Lectr.

Sawyer, D. B., B.A. Camb. Lectr.

Medicine, v. infra

Mining and Metallurgy

Williams, G. J., Ph.D. Lond.,

M.Sc., B.E., D.I.C.

Dean of Fac., Prof.

Graham, J. I., M.A. Camb.,

M.Sc. Lond., F.R.C.S.I.,

F.R.I.C., F.I.F. (Coal Res.)

Prof.

Senior Lecturers

Muir, H., B.Met.E. Melb. (Metall.)
(on leave).

Buchanan, D. E., B.E. (Engin.).

Rogers, J., M.Sc. (Mineral Dress-
ing).

Lecturers

Mackie, J. B., M.Sc., B.E., F.G.S.
(Surveying).

Pearson, C. E., M.Met. Sheff.,
F.I.M. (Metall.).

Modern Languages

Silver, R. C., M.A. Glas., L. ès L.
Paris Prof.

Sr. Lectr.

Grayeff, F., Ph.D. Freiburg

Asst. Lectr.

Music

Galway, V. E., Mus.D. Melb.,
Hon. F.T.C.L. Prof.

Martin, Mary A., Mus.B. Lectr.

Callaway, F., Mus.B.

Pt.-time Asst. 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, Mrs. Betty M., M.A.
Camb. Asst. Lectr.

Physical Education

Smithells, P. A., M.A. Camb.
Director.
Wallace, J., D.P.E. Glas. Lectr.
Assistant Lecturers
Cameron, P. E., B.A.
Bach, Winsome, D.P.E. Lond.
Cameron, Margaret, B.A.

Physics

Nimmo, R. R., Ph.D. Camb.,
M.Sc., F.I.P.
Dean, Fac. of Sci., Prof.
Blackie, Agnes R., M.Sc.
Sr. Lectr.
Symmons, H. F., B.Sc. Brist.
Lectr.
McLellan, A. G., Ph.D. Edin.,
M.Sc. Lectr.
Assistant Lecturers
Hodgson, E. R., M.Sc. (on leave).
Mowat, Marjorie, B.Sc.
McKenzie, J. M., M.Sc.
Veale, A. W. L., B.Sc. Lond.

Physiology

McIntyre, A. K., B.Sc., M.B.,
B.S. Syd. Prof.
Rall, W., B.S. Yale, M.Sc. Chic.
(Biophys.) Lectr.
Brock, L., B.Sc., M.B., Ch.B.
Lectr.
Bradley, K., M.Sc. Manc.
Asst. Lectr.

Theology

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Henderson, Rev. J., M.A., Ph.D.
Edin. (Theol.) Dean of Fac.
Allan, Rev. J. A., D.D. Edin.,
M.A. (New T.).
Haddon, Principal A. L., M.A.
Melb., D.D. Butler (Church
Hist.).
Knight, Rev. G. A. F., M.A.,
B.D. Glas. (Old T.).

Zoology

Marples, B. J., M.A. Oxon.,
M.Sc. Manc. Prof.
Fyfe, Marion L., M.Sc. Sr. Lectr.
Brewin, Beryl I., M.Sc. Lectr.
Satchell, G. H., B.Sc. Lond.,
Ph.D. Leeds Lectr.
York, Barbara, B.Sc. W.Aust.
Asst. Lectr.
Richdale, L. E., M.A. (on leave)
Hon. Lectr.

Dentistry

Basic Dental Sciences

Shroff, F. R., D.D.S. (on leave)
Sr. Lectr.
Nevin, R. B., B.Sc., B.D.S.
Lectr.

Conservative Dentistry

Harris, R., M.D.S. Syd. Prof.
Chirnside, I. M., B.D.S. Lectr.
Barr, A. M., B.D.S. Lectr.

Medicine

Chapman, O. W., M.B., Ch.B.
Lectr.

Oral Surgery.

Walsh, J. P., M.B., B.S., D.D.Sc.
Melb., F.D.S.R.C.S.
Dean of Fac., Prof.
Smart, R. S., B.D.S. Lectr.

Orthodontics

Gresham, A. H., B.D.S.
Sr. Lectr.
Harding, J. F. A., B.D.S. Lectr.

Periodontia

Cunningham, W. M., D.D.S. Tor.,
B.D.S. Sr. Lectr.

Pharmacology and Therapeutics

Iverach, J. A. D., M.C., B.A.,
M.B., Ch.B., F.R.C.P.Ed.,
F.R.A.C.P. Lectr.

Preventive, Public Health and Children's D.

Davies, G. N., D.D.S. North-
western, B.D.S. Sr. Lectr.

King, R. M., B.D.S. Asst. Lectr.

Prosthetic Dentistry

Craddock, F. W., M.S.D. North-western, B.A., Dip.Ed., Cert. Dent. Sr. Lectr.

Surgery

Fitzgerald, H. W., M.B., Ch.B., F.R.C.S.Ed. Lectr.

Medicine

[*Bacteriol., Biochem., Physiol., v. supra*]

Anæsthetics

Ritchie, J. R., M.B., Ch.B., D.A. 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. C., M.B., Ch.B. Lectr.

Lewis, O. J., M.B., Ch.B. Asst. Lectr.

6 Demrs.

Bacteriology, v. supra; v. also Hyg. and Prev. Med.

Biochemistry, v. supra

Ear, Nose, and Throat

Rutherford, I. M., M.B., Ch.B., F.R.C.S.Ed., D.L.O. Sr. Lectr.

Wardale, A., M.D., M.S. Lond., F.R.C.S. Lectr.

1 Asst.

Gynæcology and Obstetrics

Wright, J. L., M.B., Ch.B., F.R.C.S.Ed. Prof.

Fitzgerald, G. P., M.B., Ch.B., F.R.C.O.G. (Gynæcol.) Sr. Lectr.

Perry, A., M.B., Ch.B., F.R.C.S. Ed. (Obstet.) Lectr.

Stewart, Marion, M.B., Ch.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.

Dean of Fac., Prof.

Douglas, A. M., M.B., Ch.B., D.P.H. Sr. Lectr.

Murphy, W., M.B., Ch.B., C.P.H. 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. Assoc. Prof.

Caughey, J. E., M.D., F.R.C.P., F.R.A.C.P. (Neurol.)

Assoc. Prof.

McGeorge, M., M.D., F.R.A.C.P. (Pædiat.) Sr. Lectr.

Brown, M., M.D., F.R.A.C.P. (Mental Dis.) Sr. Lectr.

Lecturers

Kirk, G. R., O.B.E., M.B., Ch.B.

Kilpatrick, J. A., M.D.

Wilson, R. F., M.B., Ch.B.

Assistant Lecturers

Deem, Muriel H., M.D.

Begg, N. C., M.B., Ch.B.

Medlicott, R. W., M.B., Ch.B.

Stringer, H. C. W., Ph.D. Edin., M.B., Ch.B., D.T.M. & H. Edin.

4 Assts.

Ophthalmology

Wilson, R. P., B.Sc., M.B., Ch.B. Edin., F.R.C.S.Ed.

Sr. Lectr.

Macdonald, R. G., M.B., Ch.B.,
F.R.C.S.Ed., D.O.M.S. Lectr.
I Asst.

Pathology

D'Ath, E. F., M.B., Ch.B. Prof.
Rodda, R. A., M.D. Sr. Lectr.
Markham, N. P., B.Sc., M.B.,
Ch.B. * Lectr.

Assistant Lecturers

Howie, J. B., M.B., Ch.B. (on
leave).
Cupit, Barbara F., M.B., Ch.B.
O'Brien, J. T., M.B., Ch.B.
Prentice, N. G., M.B., Ch.B.

Physiology, v. supra

Radiology

Sowerby, W., M.D., D.M.R.E.
Camb., F.R.C.S.Ed., F.F.R.
Sr. Lectr.
Begg, A. C., M.D., D.D.R. Lectr.
Jerram, C. W. S., M.B., Ch.B.
Lectr.

Stomatology

Walsh, J. P., M.B., B.S., D.D.Sc.
Melb., L.D.S. Vict.,
F.D.S.R.C.S. Prof.

Surgery

Bell, F. G., M.D. Edin., F.R.C.S.
Ed., F.R.C.S., F.R.A.C.S.
Prof.
Nisbet, N. W., L.D.S., F.R.C.S.
Ed. (Orthop. S.) Assoc. Prof.
Greenslade, C. M., M.B., Ch.B.,
F.R.C.S., F.R.A.C.S. (Ven-
ereal Dis.) Sr. Lectr.

Surgery, Clinical

Senior Lecturers

Jenkins, J. A., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S.
Fulton, R. A. H., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S.
Lecturers
Speight, N. C., M.B., Ch.B.,
F.R.C.S.Ed., F.R.A.C.S.
Fitzgerald, H. W., M.B., Ch.B.,
F.R.C.S.Ed., F.R.A.C.S.
Wilson, S. L., M.B., Ch.B.,
F.R.C.S., F.R.A.C.S.
Waddle, N., M.B., Ch.B., F.R.C.S.
Ed., F.R.A.C.S.

Branch Medical Faculties

Christchurch: Gray, M. K., M.B.,
Ch.B. (Sub-Dean), with sr.
staff members of Christchurch
Public Hospital. *Wellington*:
Mercer, J. O., M.B., Ch.B.
(Sub-Dean), with sr. staff
members of Wellington Pub-
lic Hospital. *Auckland*:
Sayers, E. G., M.B., Ch.B.
(Sub-Dean), with sr. staff
members of Auckland Public
Hospitals.

Adult Education

Hall, D. O. W., M.A. Camb., Dir.;
Home Science Extension, 4
Tutors; General Adult Edu-
cation, 6 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Accountant, G. M. Broad, B.Com. Dep. Librarian, B. C. Dowling, M.A.
Medical School Librarian, W. E. Linton. Liaison Officer and Student Adviser,
B. H. Howard, M.A., Litt.D. Dir. of Student Health Service, A. M. Douglas,
M.B., Ch.B., D.P.H. Lodgings Registrar, E. W. Low, B.A. Wardens of
Student Hostels: Studholme House, Prof. Elizabeth Gregory, Ph.D. Lond.,
M.H.Sc.; Selwyn College, Rev. Father F. B. Perkins, B.A. Leeds; Knox
College, Rev. H. J. Ryburn, B.A. Oxon., B.D. Union, M.A.; St. Margaret's
College, Miss V. M. Barron, M.A.; Carrington Hall, Rev. J. A. Linton, M.A.;
Arana Hall,; Dominican Hall, Mother Superior—
Sister M. Anselm.

GENERAL INFORMATION

Founded by Ordinance of the Otago Provincial Council in 1869, with power to grant degrees in Arts, Medicine, and Law, the Univ. was opened in 1871. By an agreement effected in 1874 the Univ. agreed to hold in abeyance its power of granting degrees, and to become affiliated to the Univ. of New Zealand (*q.v.*), in which it ranks as one of the four Constituent Colls. The Law Fac. originated in 1873, the Medical Sch. in 1874, the Sch. of Mines in 1878, the Dental Sch. in 1907, Accountancy Lectures and the Sch. of Home Science in 1911, the Theology Fac. in 1945, and the Sch. of Physical Education in 1948. A little more than one-tenth of the Univ.'s income comes from students' fees, a large proportion of which in turn are furnished by Govt. bursaries. A small fraction derives from lands with which the Univ. was endowed at its foundation. The remainder is furnished by Govt. grants from moneys voted by Parliament for the Dept. of Education.

The govt. of the Univ. is vested in the Council, on which are represented the Professorial Bd., teaching staff, Students' Assoc., graduates (Convocation), and a number of educational and other bodies; the Governor-General-in-Council nominates two members. The Council is advised on academic matters by the Professorial Bd.

FACULTIES AND DEANS. Arts and Music, Prof. G. C. Billing; Science, Prof. R. R. Nimmo; Law, A. C. Stephens; Commerce, J. M. Paterson; Medicine, Prof. Sir Charles Hercus; Dentistry, Prof. J. P. Walsh; Home Science, Prof. Elizabeth Gregory; Mining and Metallurgy, Prof. G. J. Williams; Theology, Rev. Dr. J. Henderson. School of Physical Education, Dir.: P. A. Smithells.

ENTRANCE REQUIREMENTS (*see* Univ. of New Zealand—*Matric.*). Special conditions govern entrance to professional classes in the Facs. of Med. and Dent., in which annual admissions are limited to 120 and 50 respectively, and entrance to the Sch. of Physical Educn., which admits up to 30 students annually. Non-members of the Univ., if over 16 years of age, are admissible to most classes.

DEGREE AND DIPLOMA COURSES. Courses for Univ. of New Zealand degrees and diplomas (*q.v.*) in all Facs. mentioned above. Courses for the following Univ. of Otago diplomas: Associateship of the Otago School of Mines (A.O.S.M.) in Mining, Metall., or Geol. (4 yrs.); Dipl. of Land and Mine Surveying (2 yrs.); Associateship in Home Science (3 yrs.); Dipl. of Physical Educn. (3 yrs.); Dipl. of Diagnostic Radiol. (2 yrs.). Extra-mural students are accepted only in certain courses, and must reside within the Univ. of Otago District.

FEES. (Approx.) Arts (3 yrs.), £55 (4th yr. for M.A. extra, £9 : 9s.); Sci. (3 yrs.), £70 (4th yr. for M.Sc. extra, £12 : 12s.); Law (5 yrs.), £85; Commerce (4 yrs.), £50; Mining and Metall. (B.E. and A.O.S.M.) (4 yrs.), £175; Home Sci., Dipl. (3 yrs.), £110, B.H.Sc. (4 yrs.), £145 (4th yr. for M.H.Sc. extra, £12 : 12s.); Med. (6 yrs.), £235; Dent. (5 yrs.), £230; Physical Educn. (3 yrs.), £100.

Examn. fees not included. Increases under consideration.

ADULT EDUCATION. This dept., financed through National Council of Education, undertakes general tutorial classes in Dunedin and Invercargill, and in country districts throughout the provinces of Otago and Southland. Through these, and specialized work carried out by Drama, Music, and Home Science Extension tutors, community activities and appreciation of the arts are developed. Special short "Summer Schools" in poetry, drama, and flower arrangement have been held, but no regular vacation courses are offered.

FELLOWSHIPS, ETC. (Other than those offered by Univ. of New Zealand, *q.v.*) Travelling Scholp. in Coal-Mining, £500 p.a. for 2 yrs.; Fanny Evans Travelling Scholp. in Music, £300 p.a. for 2 yrs.; John Edmond Res. Fellowship (Chem.), £300 p.a. for 2 yrs.; Ross Fellowship (Arts), £150 p.a. for 2 yrs., with residence at Knox Coll.; Lady King Scholp. (Pædiatrics), £250 for 1 yr.; Duffus Lubecki Res. Scholp. in Appl. Sci., £250 for 1 yr.; Res. Scholps. in Arts or Sci. (funds from Univ. of N.Z.), £200 p.a. for 2 yrs.; Proudfoot Scholp. in Exper. Sci., £70 p.a. for 2 yrs.; N.Z. Obstetrical Soc.'s Travelling Scholp. in Obstet. and Gynæcol., £125 p.a. for 2 yrs.; Sr. Scholps. in Arts, Sci., Law, and Commerce (funds from Univ. of N.Z.), £90 for 1 yr.; Macandrew Scholp. in Econ., £90 for 1 yr.; George Young Scholp. (Arts), £70 for 1 yr.; Beverly Scholps. in Maths. and Physics—Sr., £60 for 1 yr., Jr., £30–£50 for 1 yr.; Sir Robert Stout Scholp. in Econ., £50 for 1 yr.; Anna P. Stout Scholp. in Econ., Hist., or Home Sci. (women), £50 for 1 yr.; Sir George Grey Scholp. (Sci.), £50 for 1 yr.

LIBRARIES. Main Library, including Departmental libraries, 90,000 vols. Medical Library, 19,500 vols.; also the Hocken collection of 11,000 books, pamphlets, and MSS. relating to hist. of N.Z. and the Pacific.

LABORATORIES, MUSEUMS, FIELD STATIONS. Labs. in all Sci., Med., Dental, Mining, and Home Sci. depts. (*v.* Teaching Staff). Otago Museum (ethnol., biol., and general, including Cook collection of Roman and Greek coins); Departmental Museums in Anat., Pathol., and Geol. Marine Biological Station, Portobello (10 miles from Dunedin).

TEACHING HOSPITALS. Dunedin Public (400 beds); Queen Mary Maternity (44); Seacliff Mental (1200); Christchurch Public (583); Wellington Public (916); Auckland Public (577), and in Auckland city, Cornwall (631), Greenlane (594), Middlemore (306).

STUDENT RESIDENCES. Selwyn College (Anglican), 72 men, £3: 10s. a week; Knox College (Presbyterian), 107 men, £2: 15s. to £3: 10s. a week; St. Margaret's College (Presbyterian), 124 women, £2: 10s. to £2: 15s. a week; Arana Hall (Interdenominational), 70 men, £2: 17s. 6d. to £3: 4s. a week; Carrington Hall (Interdenominational), 48 men and 52 women, £2: 14s. to £3: 3s. a week; Dominican Hall (Catholic), 34 women, £2 to £2: 5s. a week; Studholme House, 120 Home Sci. students, £2: 14s. a week.

O.U. MEDICAL COMPANY. Two weeks' annual camp, and day parades each term.

STUDENT HEALTH SERVICE. Administered by Preventive Med. Dept. of Medical Sch.; voluntary enrolment by students allows for periodical health assessments and discussions as well as sickness care.

STUDENTS' ATHLETIC FACILITIES. *Logan Park* sports ground for athletics, hockey, Association and Rugby football, cricket; *Mayama Hall* for badminton, basket-ball, and fencing; Recreation Hut and camping site at Trotter's Gorge in the Horse Ranges, 40 miles from Dunedin.

PUBLICATIONS. *Calendar* (Dec.), 2s. 6d.; *Faculty Handbooks* (Dec.), free; Thomson, G. E., *A History of the University of Otago*, 1869–1919, O/P; Carmalt-Jones, D. W., *Annals of University of Otago Medical School*, 1875–1939, O/P; *University of Otago, its Growth and Development*, 1948, 2s. 6d.; *Proc. Otago Medical School Research Society* (annual); Home Science Extension and Adult Education Department *Bulletins* (appear irregularly); Student publications—*Critic* (fortnightly); *Review* (annual); *Digest* (Medical, annual).

STUDENTS' UNION. The Otago Univ. Students' Assoc. has offices in a Union Bldg. which contains common rooms for men and women, locker rooms, a cafeteria and a miniature theatre.

THE YEAR 1950

BENEFACTIONS. Hon. D. Stewart, bequest of £100 for Hocken Library ; Sarah H. Loudon, bequest of property, £3300 for med. res. ; A. J. Walker, £100 for Schl. of Mines and Metall. ; Miss A. E. Stevenson, gift of property, £9000, and of £1000 for general Univ. purposes ; Mrs. R. B. Halsted, bequest of £50 to Otago Museum, and an anon. donor, £2500 to the Otago Museum for the purchase of exhibits ; Mrs. Jessie Mechaelis, bequest of £6000, prize fund for res. in Astrophys., Astron., and Phys.

NEW DEPARTMENTS AND POSTS. Marine Biol. Station ; Chair of Conservative Dent. ; Chair of Coal Mining ; Assoc. Professorships in Neurol., Orthopædic Surg., and Clinical Med. ; Readerships in Econ., Anthropol., Phys., and Chem. ; Lectureship and Advisership in Drama (English Dept. and Students' Assoc.).

CHANGES IN REGULATIONS. Minor changes governing Arts and Sci. degrees.

ADULT EDUCATION WORK. Tutorial classes, discussion groups, poetry recitals, film screenings, radio talks, and special work in Music, Drama, and Arts and Crafts continued.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. R. Syme, Oxford, on Ancient History ; Sir Philip Bahr, London, on Tropical Diseases ; Prof. F. J. Browne, London, on Obstet. and Gynæcol. ; Assoc. Prof. H. N. Parton, Canterbury Univ. Coll., on " The Process of Solution " ; Sir Henry Dale, President of the British Council, on Sci. and Med. ; Prof. A. H. McDonald, Sydney, on Anc. Hist. ; Dr. A. W. Grace of Long Island Medical Sch., on Dermatol. ; Prof. R. Ellis, Toronto, on Dent. ; Prof. D. Hanson, Birmingham, on Metall. ; Executive Cttee. of the Association of Universities of the British Commonwealth.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. On refresher leave—to the U.S.A. : F. R. Shroff (Basic Dental Scis.) ; L. E. Richdale (Zool.), H. Muir (Metall.), Eleanor M. Grey (Foods) ; to the U.K.—C. L. Carter (Chem.), Mrs. Mary J. Marples (Bacteriol.), Esperance I. Batham (Chem.), Assoc. Prof. J. A. D. Iverach (Clin. Med.).

RETIREMENTS. Prof. Sir Bernard Dawson (Obstet. and Gynæcol.) ; Miss Mary Turnbull (Classics) ; G. S. M. Batham (Applied Elect.).

RESIGNATIONS. M. A. Falconer (Neurosurg.), on appt. as dir. of combined neurosurgical units of Guy's, Royal Bethlehem, and Maudsley Hospls. ; B. J. Garnier (Geog.), on appt. to Chair of Geog., Univ. Coll., Ibadan ; W. S. Alexander (Pathol.), on appt. to staff of Regina Gray Nuns Hospl., Canada ; K. S. Alstad (Med.), on appt. to staff of Vancouver Hospl. ; J. S. Coombs (Phys.) and M. Irwin (Chem.), on appt. to staff of Medical Res. Council of N.Z. ; R. H. Greenwood (Geog.), on appt. as Sr. Lectr.-in-charge, Geog. Department, Univ. of Queensland ; L. Gurr (Zool.), on appt. to staff of Cawthron Inst., Nelson ; Catherine H. Hunter (Inst. Managemt.), on marriage ; Mrs. Emilie E. Bellwood (Phys. Educn.) ; Mrs. Valerie A. Muir (Econ.) ; H. R. McCoy (Pathol.) ; P. S. Anderson (Law) ; A. G. Neill (Law), on appt. as K.C. ; Ellen O. Naylor (Foods).

DEATHS. Sir William Benham (Emeritus Prof.) ; C. J. L. White (Law) ; G. M. F. Barnett (Surg.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	605	1225
Women	147	449
Total	752	1674

Included in the above are 58 taking masters' degrees, 15 Ph.D. candidates, 25 graduates studying for the B.D. degree, and 420 first-year admissions.

DEGREES (N.Z.). M.A., 30 ; B.A., 61 ; M.Com., 2 ; B.Com., 13 ; D.D.S., 1 ; B.D.S., 30 ; B.D., 4 ; M.H.Sc., 3 ; B.H.Sc., 13 ; LL.M., 2 ; LL.B., 8 ; M.D., 3 ; M.B., Ch.B., 76 ; B.Med.Sc., 1 ; Mus.B., 3 ; M.Sc., 10 ; B.Sc., 44.

CANTERBURY UNIVERSITY COLLEGE¹ CHRISTCHURCH

Founded 1873

Postal Address : P.O. Box 1026, Christchurch, C.1, N.Z.

Telephone : 36-289.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF COUNCIL—W. J. CARTWRIGHT, B.A.

RECTOR—H. R. HULME, M.A., Ph.D., Sc.D.

REGISTRAR—JAMES LOGIE.

LIBRARIAN—C. W. COLLINS, M.A., F.L.A.

TEACHING STAFF

Accountancy

Part-time Assistants

Hargreaves, J. M., B.Com.
Burt, 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., B.Com.
Hindin, J. B., B.Com.
Jensen, K. J., B.Com.
MacKenzie, T., B.Com., F.C.I.S.

Biology

Percival, E., B.Sc. Leeds Prof.
Philipson, W. R., M.A. (Bot.)
Sr. Lectr.
Allison, Mrs. Frances R. B., M.Sc.
(Zool.) Lectr.

Junior Lecturers

Pilgrim, R. L. C., M.Sc., Ph.D.
Mayer, Margaret, D.Sc.
Knox, G. A., M.Sc.
Wolfe, L. S., M.Sc.
Arnold, B. C., M.Sc.

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., Dean, Fac.
of Sci.
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. Lond., B.Sc.
Sr. Lectr.
Vaughan, J., M.Sc. Wales Lectr.

Junior Lecturers

McGlashan, M. L., M.Sc.
Penfold, B. R., M.Sc.
Christensen, M. T., M.Sc.
Beckwith, A. J., M.Sc.
Austin, J. M., M.Sc.

Classics

Pocock, L. G., M.C., M.A. Lond.
Prof.
Broadhead, H. D., M.A. Camb.,
Litt.D. Sr. Lectr.
Steven, Marion K., M.A., M.B.,
Ch.B. Lectr.

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

Weaver, P. R. C., M.A. Jr. Lectr.

Commercial Law

Part-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., LL.D. Leiden

Prof., Dean, Fac. of Commerce.

Danks, A. J., M.A. Sr. Lectr.

Rosenberg, W., M.Com. Lectr.

Miller, G. M., B.A., B.Com. Lectr.

Education

Field, H. E., Ph.D. Lond., M.A.

Prof., Dean, Fac. of Mental, Moral, and Soc. Sciences.

Winterbourn, R., Ph.D. Lond., M.A. Sr. Lectr.

Ford, C. T., M.A. Lectr.

Lawrence, P. J., M.A. Jr. Lectr.

Engineering, v. infra

English Language and Literature

Garrett, J. C., M.A. Alta., M.A. Oxon.

Prof., Dean, Fac. of Arts.

Rhodes, H. W., M.A. Melb.

Assoc. Prof.

Lecturers

Stockwell, A. W., M.A., B.Sc., B.Litt. Oxon.

Baigent, L. A., M.A.

Spear, C. E., M.A., L.Th.

Copland, R. A., M.A.

Geography

Jobberns, G., M.A., D.Sc. Prof.

Pownall, L. L., M.A. Sr. Lectr.

Lamb, R. B., M.A. Calif.

Visiting Lectr.

McCaskill, M., M.A. Jr. Lectr.

Temp. Jr. Lectr.

Geology

Allan, R. S., D.Sc., Ph.D. Camb., F.R.S.N.Z., F.G.S. Prof.

Gage, M., M.Sc. Sr. Lectr.

Campbell, J. D., M.Sc. Jr. Lectr.

History and Political Science

Phillips, N. C., 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.)

Dean, Fac. of Law.

Assistants

Bowie, E. S., LL.B. (Torts).

Brassington, A. C., LL.B. (Internat. and Constitutional L.).

Champion, E. C., M.A., LL.M. (Trusts).

Cunningham, H. G. P., LL.B. (Procedure).

Drake, B. J., B.A., LL.M. (Criminal L. and Jurisprud.).

Edgley, R. W., LL.B. (Evidence).

Gough, K. A., LL.B. (Conflict of Laws).

Hensley, L. J., LL.B. (Comp. L. and L. of Bankruptcy).

Wills, E. P., B.A., LL.M., M.Com. (Property and Contracts).

Lockwood, G. 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.

Sawyer, H. H., M.A. Camb. 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.

Prof., Dean, Fac. of
 Music and Fine Arts.

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. 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., Ph.D. Manc.
 Lectr.

Roth, K. W., B.A. Lectr.
 Gregory, J. B., M.Sc. Lectr.
 Rogers, J. L., M.Sc. Jr. Lectr.
 McIlraith, A. H., B.Sc. Jr. Lectr.

School of Art

Lovell-Smith, C. S., Dip. F.A.
 Director, Sch. of Art.
 Senior Lecturers
 Johnstone, J. A., D.A. Edin.

Doudney, E. J., F.R.B.S., F.R.S.A.
 Clark, R.

Lecturers

Oakley, W. J., Dip.F.A.
 Knight, J., Dip.F.A.
 Sutton, W. A., Dip.F.A.
 Fife, Ivy G., Dip.F.A.
 Akins, Florence E., Dip.F.A.

*Engineering**Civil*

Hopkins, H. J., M.A., B.Sc., B.E.
 Prof.
 Alley, P. J., B.E. Sr. Lectr.
 Bruce Smith, D., B.E. Sr. Lectr.
 Owen, B. T. W. Lectr.
 Fraser, P. E., B.E. Lectr.
 1 Lab. Asst.

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.
 Calhaem, N. L., M.A. Camb. Lectr.
 Stephen, K., B.Sc. Lectr.
 Wright, W. S., B.E. Lectr.
 1 Lab. Instr.

Mechanical

Rastrick, R. J., B.E. (Mech.)
 Dean of Fac. and Prof.

Senior Lecturers

Hewitt, N. E., B.E. (Mech.)
 Adams, H. F. T., M.A. Camb.
 Burton, A., B.Sc. Eng.
 Rodger, M., B.E.
 Lush, A., B.E.
 Lecturers
 Martin, J. K., B.Sc., B.E.
 Newstead, W. F.
 Whittle, G., B.E.
 1 Lab. Instr.

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., Educn., 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, Music, Comm., and Engin., and Certif. or Diploma Courses in Journalism, Education, Music, Industrial Chemistry, Banking, and Fine Arts (v. also p. 944). 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 range from £2: 7s.: 6d. (women) to £3 (men). *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 Schol., 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 Organisers:* B. W. Smyth, B.Com., Rangiora; W. Hart-Smith, Timaru; B. J. Dunne, M.A., F.T.C.L., Greymouth; T. Muir, Ngakawau; G. Manning, M.A., Metropolitan Tutor. *Specialist Tutor Organisers:* 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:* Betty 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.), free. *Calendar* (Feb.), 2s. 6d. *School of Engineering Prospectus* (Feb.), free. Annual Statement

of the Chairman (June). *Canta*, 26 issues a yr., subscription 2s. 6d. *Review* annual (Oct.). *Annual Report, Trans. of Coll. Engineering Soc.*, 2s. 6d.

THE YEAR 1950

STUDENTS. Total: 2583; full-time, 1018; pt.-time, 1565; the total includes 695 women.

DEGREES. B.A., 84; M.A., 34; LL.B., 9; LL.M., 1; Hon. LL.D., 1; B.Sc., 52; M.Sc., 18; D.Sc., 2; B.E., 63; B.Com., 14; M.Com., 2; Mus.B., 3; B.Agr.Sc., 18; M.Agr.Sc., 2.

DIPLOMAS. Dip. Hons., 1; Dip. Music, 4; Dip. Fine Arts, 12; Dip. Ed., 1.

AUCKLAND UNIVERSITY COLLEGE *

Founded 1882

Postal Address : Box No. 2553 C.P.O.

Telephone : 30-350.

VISITOR—THE MINISTER OF EDUCATION.

PRESIDENT OF COUNCIL—W. H. COCKER, C.M.G., M.A., LL.B. Camb.,
B.A., LL.B.

VICE-PRESIDENT OF COUNCIL—.....

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.
(Comm. Law) Dean, Fac.
of Commerce, Sr. Lectr.

Johnston, T. R., LL.M., B.Com.
(on leave) Lectr.

Part-time Lecturers

Kay, R. M., B.Com., F.R.A.N.Z.
Horrocks, J., B.A., B.Com.
McKenzie, J. W., B.Com.
Mackie, W. N., M.Com.

Anthropology

Piddington, R. O., Ph.D. Lond.,
M.A. Syd. Prof.
Geddes, W. R., Ph.D. Lond., M.A.
Lectr.

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.

Senior Lecturers

Toy, R. H., Ph.D. Dub., B.Arch.
Marshall, A. C., B.Arch.
Brown, V. A.

Lecturers

Ferriday, E. G., B.Sc. (Eng.)
Birm.
Cutter, C. G.
Brett, M., Dip.Arch. Liv.
Bolland, F. S., Dip.Arch.
Middleton, P., Dip.Arch. Nott.

Botany

Chapman, V. J., Ph.D. Camb.
Prof.
Millener, L. H., M.Sc. Lectr.
Rattenbury, J. A., Ph.D. Calif.,
M.A. (Genetics) Lectr.
de Berg, Ruth F., M.Sc. Jr. Lectr.

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.

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

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.
Junior Lecturers
Paterson, R. M. L., M.Sc.
Maslen, H., B.Sc.
Hall, D., M.Sc.
Knaggs, I. W., M.Sc.

Classics

Blaiklock, E. M., M.A., Litt.D.
Prof.
Crawley, L. W. A., B.A. Camb.,
M.A. Sr. Lectr.
Harris, B. F., B.A. Oxon. Lectr.

Economics

Simkin, C. G. F., D.Phil. Oxon.,
M.A., Dip.Soc.Sc. Prof.
Rodwell, H. R., M.A., Dip.Soc.Sc.
Assoc. Prof.
Fisher, M. R., M.A. Lectr.
Bieda, K., M.A. Aberd. Lectr.
Bergstrom, A. R., M.Com.
Jr. Lectr.
Hardie, B. G., M.A. Jr. Lectr.

Education

Fitt, A. B., Ph.D. Leip., M.A.
Dean, Fac. of Educn.,
Prof.
Cumming, I., B.A., M.Ed. Melb.
(on leave) Sr. Lectr.
Hare, W. B., M.A., Dip.Ed. Lectr.
Rogers, C. A., B.Ed. Melb., M.A.,
Dip.Ed. Lectr.
Minogue, W. J. D., Ph.D. Ohio,
M.A. Lectr.
Whyte, I. J., M.A. Temp. Lectr.

Engineering

Dalton, G. C. J., Ph.D. Oxon.,
B.E. (Civil), B.Sc.
Dean, Fac. of Engineer-
ing, Prof., Mech. Eng.
Mowbray, N. A., B.E. (Civil)
Prof., Civil Eng.
Senior Lecturers
Dawson, C. (Elect. E.).

De Bray, B. P. G., M.Sc. Lond
(Aeronaut. E.).
Thomass, L. H., B.Sc. Lond.
B.E. (Civ.) (Civ. E.).
Glover, J. H., B.Sc. Lond
(Mech. E.).
Lecturers
McLaren, E. J. R. (Civ. E.).
Wallace, H. E., B.E., M.Sc. (Civil
Eng.).
McMullen, J. J., B.Sc. Lond.
(Elect. E.).
Jebson, W. N. (Mech. E.).
Titchener, A. L., B.E. (Mining),
B.Sc., B.E. (Mech.) (Mech. E.).
Burton, C. M. (Mech. E.)
Jr. Lectr.

English Language and Lit.

Musgrove, S., M.A., D.Phil. Oxon.
(on leave) Prof.
Sheppard, Elizabeth A., M.A.,
Ph.D. Lond. Sr. Lectr.
Joseph, M. K., B.A., B.Litt. Oxon.
Sr. Lectr.
Reid, J. C., M.A. Lectr.
Curnow, T. A. M., B.A. Lectr.
Walton, J. K., M.A., B.Litt.
Lectr.
Johnston, G. K. W., M.A.
Jr. Lectr.

Fine Arts

Fisher, A. J. C. Director.
Weeks, J. Sr. Lectr.
Kavanagh, J. F., F.R.B.S. (Sculp-
ture) Sr. Lectr.
Lecturers
Turkington, J. (Design).
Eise, Ida G. (Painting).
McLaren, A. W. S. (Painting and
Figure Drawing).
White, Anna L. (Painting and
Figure Composition).
Fairburn, A. R. D. (Hist. of Art.).

Geography

Cumberland, K. B., M.A. Lond.,
D.Sc. Prof.

Fox, J. W., B.A. Lond. Lectr.
Brown, W. M., B.A. Temp. Lectr.

Geology

Lillie, A. R., M.A. Camb., D. ès Sc.
Geneva Prof.
Laws, C. R., D.Sc., F.R.S.N.Z.
Sr. Lectr.
Brothers, R. N., M.Sc. Lectr.
Searle, E. J., M.Sc. Demr.

Hebrew

Hames, E. W., M.A. Lectr.

History

Rutherford, J., M.A. Durh., Ph.D.
Mich. Prof.
Airey, W. T. G., B.A. Oxon., M.A.
Assoc. Prof.
Sinclair, K., M.A. Lectr.
Chapman, R. M., M.A. Lectr.
Fraser, E. M., B.A. Camb., M.A.
Jr. Lectr.

Journalism

Burton, E. A., Dip.Journ. Lectr.

Law

Davis, A. G., LL.D. Lond., LL.B.
(on leave)
Dean, Fac. of Law, Prof.
Northey, J. F., D.Jur. Tor., B.A.,
LL.M. Sr. Lectr.
Part-time Lecturers
Vautier, M. H., LL.M.
Henderson, E. W., LL.M.
Speight, G. D., LL.B.
Rosen, H., LL.M.

Mathematics

Forder, H. G., M.A. Camb.,
F.R.S.N.Z. Prof.
Hookings, G. A., M.Sc. Camb.,
M.Sc. Sr. Lectr.
Segedin, C. M., M.Sc. Sr. Lectr.
Haight, F. A., B.A., M.Sc. Iowa
Sr. Lectr.
Segedin, M. G., M.Sc. Lectr.

Medicine

Spence Smyth, G. (Obstet. and
Gynæcol.) Prof.

Modern Languages

Keys, A. C., D.U.P., M.A.
Dean, Fac. of Arts, Prof.
West, A. W. H., D.U.P., M.A.
Sr. Lectr.
Asher, J. A., Ph.D. Basle, M.A.
Sr. Lectr.
Gransden, J. H., B.A. Camb.
Jr. 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. (on leave) 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. Darm-
stadt, F.I.P. Sr. Lectr.
Sagar, F. H., M.Sc. Sr. Lectr.
Farley, F. J., Ph.D., M.A. Camb.
Sr. 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., F.L.S. Lectr.
Woodward, T. E., Ph.D. Lond.,
M.Sc., D.I.C., F.R.E.S. Lectr.
Segar, Evelyn C. M., B.Sc.
Jr. Lectr.

Adult Education

Morrison, S. R., M.A. Director.

Tutor Organizers

McMillan, Sheila G., B.H.Sc.,
Dip.Ed.
Rutherford, D. W., M.A.
Ring, G. L., B.A. (on leave).
Bell, C. A., M.A.
Baigent, H. V., B.A.

Power, H. M., B.A.
Winiata, M., M.A., Dip.Ed.
Inman, Margaret M.
Dellon, R. G., Mus.Bac.
Goodman, R. D. M., M.A.
Fausett, Vera M.
Bedggood, L. R., M.A., B.Sc.,
Dip.Ed.

ADMINISTRATIVE AND OTHER STAFF

Maidment, K. J., M.A. Oxon., Principal ; Kirkness, J. A., M.Com., Registrar ; Turbott, G. G., B.A., B.Com., Assistant Registrar ; Alison, Kathleen, B.Com., Accountant ; Sandall, F. A., B.A., Librarian ; Sheen, K. J., Ph.D. Lond., M.A., Liaison Officer.

GENERAL INFORMATION

Established by Act of the N.Z. Legislature in 1882, the College was affiliated to the Univ. of N.Z. in 1883. It received in 1885 an endowment of 30,000 acres of land, of which one-third was sold in 1915 for £10,246. During 1938 it received grants from the Govt. totalling £25,200.

Of the 17 members of the College Council 3 are appointed by the Governor, 2 by the Prof. Board, 1 by local bodies, 4 are elected by the graduates, 3 by the Auckland members of the General Assembly, 1 by the Education Bd., 1 by Lecturers of the Coll., and 1 by Students. The Principal is also a member of Council.

Three of the special schools are at a distance from the main bldgs.—Sch. of Engin. at Ardmore, 20 miles south of Auckland (*Telephone* : 340 Papakura), Sch. of Archit. in Symonds St., Auckland (*Telephone* : 42-746), and Sch. of Fine Arts also in Symonds St. (*Telephone* : 41-271).

The College Hostel, "O'Rorke Hall" at 43 Symonds Street, Auckland, can accommodate 120 students (41 women and 79 men in 1950). Resident Warden : L. W. A. Crawley (*Telephone* : 45-562).

COURSES are provided for the degrees of the Univ. in Arts, Science, Archit., Law, Music, Commerce, and Engin., and for the Diplomas of Journalism, Fine Arts, Educn., Music, Archit., and Urban Valuation.

FEES. The approx. inclusive fees are as follows : Arts, £50 ; Science, £68 ; Law, £80 ; Commerce, £50 ; Architecture, £112 ; Music, £32.

FACULTIES AND DEANS. Arts, Prof. A. C. Keys ; Educn., Prof. A. B. Fitt ; Law, Prof. A. G. Davis ; Music, Prof. H. Hollinrake ; Sci., Prof. F. J. Llewellyn ; Archit., Prof. C. R. Knight ; Commerce, W. C. S. Leys ; Engin., Prof. G. C. J. Dalton.

PUBLICATION. *Calendar* (Feb.), 1s. ; (full *Calendar*, including hist. of Coll., every 5 yrs. ; last published 1951).

THE YEAR 1950

BENEFACTIONS. £5000 from Sargood Trust for establishment of O'Rorke Hall ; £566 from Auckland and Te Aroha Rotary Clubs for establishment of O'Rorke Hall ; £417 to establish the J. A. Bartrum Memorial Prize ; £500 to establish the J. P. Campbell Bursary ; from W. Goodfellow, Richard Mac-laurin Goodfellow Foundation to provide a stipend for a Chaplain.

PRINCIPAL. Mr. K. J. Maidment took up his appt. as first Principal of the Coll.

RESIGNATION. Prof. T. D. J. Leech (Engin.), on appt. as Chief Engineer, Scientific Services Branch, Snowy Mountains Hydro-Electric Authority, N.S.W., Australia.

NEW DEPARTMENTS. The Elam School of Fine Arts taken over by the Coll. on Feb. 1, 1950. Prof. R. O. Piddington took up his appt. as first holder of the Chair of Anthropol.

EXTRA-MURAL WORK. 406 students.

STUDENTS. Total: 2990; full-time: 1117; pt.-time: 1873; the total includes 857 women and 268 postgraduates.

DEGREES. B.A., 117; M.A., 48; LL.B., 20; LL.M., 3; B.Sc., 53; D.Sc., 1; M.Sc., 13; B.Com., 23; Mus.B., 2; B.Arch., 6; B.E., 18; Dip.Arch., 9; Dip.Ed., 3; Dip.Mus., 1; Dip.Urb.Val., 4; Dip. Banking, 1; Dip.Journ., 3.

VICTORIA UNIVERSITY COLLEGE * WELLINGTON

Founded 1897

Postal Address : Kelburn Parade, Wellington, W.I.,

Telephone : 46-546.

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

Rodger, W. G., J.P., B.Com.,
F.I.A.N.Z., F.C.I.S. (Account-
ing III and Auditing)

Hd. of Dept.

Part-time Lecturers

Taylor, D. de P., B.Com. (Account-
ing I and II).

Burton, R. C. C., LL.M. (Com-
mercial Law I and II).

Edgar, R., F.C.I.S. (Secretarial
Law and Practice).

Botany

Gordon, H. D., B.Sc., Ph.D. Edin.
Dean, Fac. of Sci., Prof.

Gibbs, J. Gordon, Ph.D. Minne-
sota, 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.,
F.R.I.C. Prof.

Monro, A. D., M.Sc. Assoc. Prof.

Metcalf, W. S., D.Phil. Oxon.,
M.Sc., Mus.B. Sr. Lectr.

Junior Lecturers

Swedlund, B. E., M.Sc.

Dasent, W. E., M.Sc.

Turney, T. A., M.Sc.

Classics

Murray, H. A., M.A. Aberd., B.A.
Camb. Prof.

Dettmann, Denise D. H., M.A.
Syd. and Oxon., Dip. Class.
Arch. Sr. Lectr.

Quinn, K. F., B.A. Camb. and N.Z.
Lectr.

Judge, E. A., M.A. Jr. Lectr.

Economics

Belshaw, H., Ph.D. Camb., M.A.
Dean, Fac. of Comm.,
Prof.

Heine, Hilda G., Ph.D. Berl., 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.

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

Odell, Betty F., M.A., Dip.Ed. (on leave) Jr. Lectr.

English Language and Literature

Gordon, I. A., M.A., Ph.D. Edin., LL.D. Brist. Prof.

Cochran, A. B., M.A. Oxon. and N.Z. Sr. Lectr.

Stevens, Joan, M.A. Oxon. and N.Z. Sr. Lectr.

Bertram, J. M., M.A. Oxon. and N.Z. Sr. Lectr.

Culliford, S. G., D.S.O., Ph.D. Lond., M.A. Lectr.

Cameron, W. J., M.A. Jr. Lectr.

Geography

McKenzie, D. W., M.Sc.

Sr. Lectr.

Franklin, S. H., B.Com. Birm.

Jr. Lectr.

Geology

Cotton, C. A., D.Sc., F.S.S., F.R.S.N.Z. Prof.

Bradley, J., M.Sc., Dip.Ed. Durh. Sr. Lectr.

Te Punga, M. T., M.Sc. Lectr.

Vella, P. P., M.Sc. Jr. 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.

Law, English and N.Z.

Campbell, I. D., LL.M. Prof. Part-time Lecturers

Marshall, J. R., LL.M., B.A. (Procedure).

Taylor, H., LL.B. (Conveyancing).

Morrison, N. A., LL.B. (Torts).

O'Flynn, F. D., B.A., LL.M. (Trusts and Bankruptcy).

Law, Roman, etc.

McGeachan, R. O., B.A., LL.B. Syd. Dean, Fac. of Law, Prof.

Braybrooke, E. K., LL.M. Col. and N.Z. Sr. Lectr.

Mathematics

..... 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.

Physics

Watson-Munro, C. N., O.B.E., M.Sc. Prof.

Peddie, G. A., M.A. Assoc. Prof.

Ryder, N. V., M.Sc. Sr. Lectr.

Manchester, F. D., M.Sc. Jr. Lectr.

Munster, R. J., M.Sc. 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.

Lecturers

Kahn, J. F., Dr. iur. utr. Munich.
 Brookes, R. H., B.Sc. (Econ.)
 Lond.

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., Ph.D. Lond.
 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. Lectr.

Adult Education

Hely, A. S., M.A., B.Com.
 Director.

Tutor-Organizers

Mountjoy, W. J., 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.).
 Wemyss, Pamela
 (Arts and Crafts, Jr.).
 Stocker, Kate H. (Drama).
 Hitchon, Betsy, Dip.H.Sc.
 (Home Sci.).
 Thomson, Vivienne, Dip.H.Sc.
 (Home Sci., Jr.).
 Thomson, Nan F., B.H.Sc.
 (Home Sci., Jr.).
 Ince, Joan (Dressmaking, Jr.).

ADMINISTRATIVE AND OTHER STAFF

Liaison Officer, R. Hogg, M.A. Physical Education Instr., W. H. Landreth.
 Warden, Weir House,

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. 944), and the earlier stages in other Faculties.

FEES. Arts (3 yrs.) about £55 (M.A., £9: 9s. additional); Science (3-4 yrs.) about £70 (M.Sc., £12: 12s. additional); Law (4-5 yrs.) about £85; Commerce (4 yrs.) about £60. The exact fees for the courses vary in accordance with the choice of subjects.

FACULTIES AND DEANS. *Science*, Prof. H. D. Gordon; *Commerce*, Prof. H. Belshaw; *Law*, Prof. R. O. McGechan.

RESEARCH SCHOLARSHIPS. Univ. Research Scholps. : 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. Fees, £3 : 5s. per wk. (*Telephone* (students) : 45-012.)

PUBLICATIONS. *Calendar*, 2s. (Dec.) ; Students' Magazine published towards end of each session.

THE YEAR 1950

STUDENTS. Total : 2164 ; full-time : 580 ; pt.-time : 1584 ; the total includes 467 women. Extra-mural : 414, including 52 women.

DEGREES. (May 1950.) B.A., 95 ; M.A., 29 ; LL.B., 6 ; LL.M., 4 ; B.Sc., 53 ; M.Sc., 24 ; B.Com., 47 ; M.Com., 2 ; Mus.B., 1 ; Dip.Ed., 2 ; Dip. Public Adm., 6.

CANTERBURY AGRICULTURAL COLLEGE *

LINCOLN

Founded 1873

Postal Address : Lincoln College, Private Bag, Christchurch.

Telephone : 398 Ext. 7573.

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.

LIBRARIAN—D. R. MUFF.

TEACHING AND RESEARCH STAFF

Agricultural Economics

Weston, I. W., M.Sc., Ph.D. Lectr.

Agricultural Law

Wills, E. P., B.A., LL.M., M.Com. Pt.-time Lectr.

Animal Husbandry

Coop, I. E., D.Phil. Oxon., M.Sc. (Animal H.) Prof.

Stevens, P. G., Dip. C.A.C. Sr. Lectr.

Hart, D. S., B.A. (Agric.) Camb. Lectr.

Hollard, M. G., M.Agr.Sc. Lectr.

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.

Baird, W. C. Instr.

Frazer, R. Instr.

King, D. L. Res. Officer.

Entomology

Morrison, L., B.Sc. (Agr.) Aberd. Hd. of Dept., Sr. Lectr.

Doull, K. M., M.Agr.Sc.

Jr. Lectr.

Farm Management

Flay, A. H., B.Sc., M.Agr.Sc., Dip. C.A.C. Assoc. Prof.

Garrett, H. E., B.Litt. Oxon., B.A., M.Agr.Sc. Sr. Lectr.

Cooke, M. B., Cert. Agr., Dip. C.A.C. Lectr.

Stewart, J. D., Dip. V.F.M. Jr. Lectr.

Oldfield, J. H., Dip. V.F.M., Dip. C.A.C. Jr. Lectr.

McGloin, P. H., Dip. V.F.M. Field Officer.

Eva, I. McM., Dip. V.F.M., Dip. M.A.C.

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.

Veale, J. A., M.Sc. Lectr.

Horticulture

McElroy, L. F. Sr. Lectr.

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

Glazebrook, J. H., B.Sc. (Hort.) Reading Lectr.	Orchiston, H. D., M.Sc. Jr. Lectr. Adams, A. F. R., M.Sc. Res. Officer.
Bulman, R. S. Instr. and Hd. Gardener.	
<i>Microbiology</i>	
Blair, I. D., Ph.D. Lond., M.Agr.Sc. Hd. of Dept., Sr. Lectr.	<i>Veterinary Science</i> McLean, J. W., M.Agr.Sc., B.V.Sc. Syd. Assoc. Prof.
Mulcock, A. P., M.Sc. Jr. Lectr.	Thomson, G. G., B.Sc. (Vet. Sc.) Edin. Sr. Lectr.
<i>Rural Education</i>	Kyle, Miss A. S., B.V.Sc. Syd. Lectr.
McCaskill, L. W., M.Agr.Sc., Dip. C.A.C. Assoc. Prof.	<i>Wool</i> Henderson, A. E., B.Agr.Sc. Sr. Lectr.
Botting, H. L. Jr. Lectr.	Drake, J. H. Instr.
<i>Soils and Fertilizers</i>	Farm Manager
Elphick, B. L., B.Sc. Lond. Actg. Sr. Lectr.	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 CROP RESEARCH DIVISION of D.S.I.R. is located at the College.

COURSES AND FEES. Degree Course (B.Agr.Sc.), 4 yrs.—lectures £22 : 10s. p.a. Board, 52s. per week for academic year of approx. 30 weeks. Diploma of Agriculture Course (Dip. C.A.C.), 2 yrs., £85 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., £85 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 1950

NEW BUILDING. Short course bldg. to be erected as a National Memorial to members of the N.Z. Young Farmers' Clubs who died in Second World War.

EXTRA-MURAL WORK. 96 lectures given by staff members at other Colls. and to outside organizations such as Federated Farmers, Women's Division of the Federated Farmers, Women's Institute, Horticultural Soccs., and Young Farmers' Clubs. Farmers Field Days at 7 other centres assisted. In addition, a spec. short course conducted at Marlborough to assist farmers settled under rehabilitation in that district. Coll. services include 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 attended by over 2400. In addition, special Field Days carried out for 45 groups totalling 1980 persons, an average of 44 for each group. The majority of these visitors were from all parts of Canterbury but included visitors from other districts of N.Z. and officers of the Dept. of Agriculture from throughout the N. and S. Islands. Included among these groups were members of the Internatl. Conf. of Corresp. Schools, of the Commonwealth Univs. Conf., and of the Commonwealth Parl. Conf.

RESIGNATIONS. F. L. Ward (Agric.), on appt. to Meat and Wool Board. W. A. Hines (Farm Manager, Ashley Dene), on retirement after 26 yrs.' service. R. L. Blakely (Animal Husbandry Dept.).

DEATH. W. O. Rennie, former Chairman and a member of the Board of Governors since 1930.

STUDENTS. Total: 563. Full-time: Degree, 63; Dipl. of Agric., 77; Dipl. of Valuation and Farm Management, 30; Intensive, 25; Dipl. of Hortic., 9; Rural Field Cadets, 43; Spec. Hortic. course, 7; Spec. course Animal Husbandry, 1. Pt.-time: Short Courses, 308.

DEGREES AND DIPLOMAS. M.Agr.Sc., 8; B.Agr.Sc., 14; Diploma V.F.M., 24; Diploma C.A.C., 30; Dipl. of Hortic., 5.

MASSEY AGRICULTURAL COLLEGE PALMERSTON NORTH

Founded 1926

Postal Address : Palmerston North, N.Z.

Telephone : 7940.

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.

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., Ph.D.

Lectr.

.....

Lectr.

Sheat, D. E. G., 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., D.Sc., M.Agr.Sc.

Hd. of Dept.

Animal Genetics

Dry, F. W., D.Sc. Leeds

Hd. of Dept.

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., D.Phil. Oxon.,

M.Agr.Sc. Sr. Lectr.

Johnson, A. A. Lectr.

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.

Le Heron, B. S.* Lectr.

Dairy Technology

Ward, J. W. Sr. Lectr.

* Joint member of the staffs of the College and Dairy Research Institute.

Horticulture

Hockey, K. C.	Hd. of Dept.
Richards, M. (on leave)	Lectr.
O'Brien, Margaret	Demr.

Microbiology

Sargent, J. D., M.Sc.	
	Hd. of Dept.
Wenham, H. T., M.Sc.	Lectr.
Cox, G. A., M.Sc.*	Lectr.

Poultry Husbandry

Kissling, J. H.	Lectr. and Mgr.
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*Sheep Husbandry and Wool
Classing*

Rae, A. L., M.Agr.Sc., Ph.D. Iowa	Prof.
Gibson, A. J., B.Agr.Sc.	Sr. Lectr.
Watt, K. D.	Sr. Lectr.
.....	Sr. Lectr.
.....	Sr. Lectr.
Barton, R. A.	Lectr.
.....	Jr. Lectr.
Goot, H., M.Agr.Sc.	Asst.
Wilson, G. S.	Asst.

Soils and Field Husbandry

Hudson, A. W., B.Agr., B.Sc.	Prof.
Jacques, W. A., B.Sc. Wales	(Field Husb.) Sr. Lectr.
Robinson, G. S., B.Agr.Sc. (Field Husb.)	Sr. Lectr.
Schwass, R. H., B.Agr.Sc.	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.
Haylock, O. F., M.Sc. (Inorg. Chem.)	Jr. 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.

ADMINISTRATIVE AND OTHER STAFF

Accountant, R. L. McEwen, B.Com. Literary Officer, L. A. G. Barrett. Wardens of Students' Residences, G. S. Wilson; H. T. Wenham; Mrs. D. Richardson. Sheep Farm Manager, W. R. R. Hewitt. Dairy Farm Manager, A. A. Johnson.

GENERAL INFORMATION

The College was establd. 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 establd. 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 is financed mainly by Govt. grant. It is governed by a Board of Governors of nine members elected as follows: four by the Governor-General, two by the Council of Auckland University College, two by the Council of Victoria University College, and one by the Palmerston North City Council.

* Joint member of the staffs of the College and Dairy Research Institute.

LIBRARY. 14,000 vols.

LABORATORIES, FIELD STATIONS, ETC. The main science bldg. contains lecture rooms, teaching and research labs., library, assembly hall, studies, common rooms, etc. Other buildings include administration bldg., wool teaching bldg., engin. and carpentry instruction rooms, stock demonstration pavilion, machinery demonstration bldg., and a modern dairy factory.

The COLLEGE FARMS comprise some 4100 acres, 1250 acres being situated at the Coll., 1050 acres 8 miles distant and 1800 acres 60 miles distant. Full facilities are available for teaching horticulture, including 22 acres of representative collections of herbaceous plants, trees, and shrubs, a range of glasshouses, a nursery and propagating house, orchard and small fruits, vegetable and cut flower areas.

ADMISSION. For degree courses, any person who has passed the Matriculation Examn., or has completed part of an undergraduate course, or been admitted to a degree at any Univ. other than the Univ. of N.Z. may be admitted *ad eundem statum* in the Univ. of N.Z., but the course taken and standard attained at such other Univ. must be substantially equivalent to the course and standard required from an undergraduate or graduate of the Univ. of N.Z. of the status to which such person applies to be admitted. Overseas students desiring to enter any of the degree courses at Massey Agric. Coll. should supply with their application full details of the undergraduate course or graduate course already taken, in order that their probable position as regards admission *ad eundem statum* might be made known to them. Subsequently, formal application must be made to the Registrar of the Univ. of N.Z., and for this purpose students should bring with them evidence of their academic standing and of any degree obtained at their former Univ., including the syllabus of the course taken. The first year (Interm.) of degree courses cannot be taken at Massey but may be taken either at one of the four main Univ. Colls. in the Dominion or at an overseas Univ. For other than degree courses no examination qualification is required but certain pre-course practical experience is called for. The minimum age of entry is 18 yrs.

DEGREES AND DEGREE COURSES. B.Agr.Sc. and B.Agr.Sc. (Hort.)—1 yr. (Interm.) taken elsewhere, plus a 3-yr. Professional course here. B.Agr.Sc. (Dairy Tech.)—1 yr. (Interm.) taken elsewhere, plus a 4-yr. Professional course taken here. M.Agr.Sc., M.Agr.Sc. (Hort.), and M.Agr.Sc. (D.Tech.)—Normally, 1 yr. following the Bachelor course but in some cases, especially overseas students, 2 yrs. are required. Ph.D.—A 2-yr. full-time course open to candidates who have been admitted to a Master's degree of Univ. of N.Z. (either by examination or by admission *ad eundem statum*) at the standard of 1st or 2nd Class Honours. CERTIF. OF PROFICIENCY—Any matriculated person may undergo a course in any one or more subjects of the degree courses for Univ. of N.Z. Certif. of Proficiency in that subject or subjects.

DIPLOMAS, CERTIFICATES. Dipl. in Agric. (Dairy Farming and Sheep Farming options), Dairying (Buttermaking, Cheesemaking, or Market Milk options), Horticulture, Wool and Wool Classing. Dipl. courses, except Dairying, cover 2 yrs. Dairying—3 winter terms. Certif. in Poultry farming—1 yr. Various short courses also available.

Facilities are available for postgraduate study or research in most branches of agriculture.

FEES. Ph.D. and Master's Degrees, £12:10s.; Professional course for B.Agr.Sc., B.Agr.Sc. (Hort.), B.Agr.Sc. (D.Tech.), £67:10s. spread over period of course; Dipl. in Agric. (Sheep Farming) and Dipl. in Horticulture, £45;

Dipl. in Agric. (Dairy Farming), £30 ; Dipl. in Wool Classing, £22 : 10s. ; Dipl. in Dairying, £30.

POSTGRADUATE SCHOLARSHIPS. Coll. Scholps.—Farmers' Union Scholp., Catherine Baxter Scholp., Shell Scholp., John Alexander Hurley Scholp. Univ. of N.Z. Scholps.—Macmillan Brown Agric. Res. Scholp., Res. Scholps., Shirlcliffe Scholps. Sir James Gunson Scholp. (of Auckland Univ. Coll.). National Res. Scholps. Of the above scholps., one National Res. Scholp. is available to U.K. graduates in sci. for res. in N.Z.

THE DAIRY RESEARCH INSTITUTE AND THE GRASSLANDS DIVISION OF THE PLANT RESEARCH BUREAU (D.S.I.R.), which are the centres for N.Z. for dairy and grasslands res. respectively, are located at the Coll. Both institutions co-operate with the Coll. in the provision of material for teaching and for post-graduate res.

STUDENT RESIDENCES. 2 men's hostels accommodating 270. One women's hostel accommodating 25. Fees, per week, Men—£3 : 2 : 6 ; Women—£3.

STUDENTS' ASSOCIATION. The Assocn. caters for the athletic and social side of the student's life. Excellent facilities available for cricket, tennis, swimming, athletics, hockey, and shooting.

PUBLICATIONS. *Calendar* (Feb.), free. *Sheep Farming Annual* (15s.) and *Dairy Farming Annual* (15s.) (proceedings of annual meetings of sheep farmers and dairy farmers held at the Coll.), (Oct.-Dec.). *Wool* (Oct.) (2s. 2d.). Students' Assocn. : *Bleat* (students' mag., annual, 2s. 6d.), *Chaff* (monthly during session, 4s. p.a.). Also a series of technical publications.

THE YEAR 1950

NEW POST. Chair in Field Husbandry.

RETIREMENT. R. Waters (Bacteriol. and Mycol.).

RESIGNATION. W. E. Dasent (Agric. Biochem.), on appt. to Victoria Univ. Coll.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	163	297
Women	78	19
Total	241	316

Included in the above are 19 postgraduate students and 394 first-year admissions. In addition, 1059 attended for farmers' weeks, etc.

DEGREES. Ph.D., 1 ; M.Agr.Sc., 4 ; B.Agr.Sc., 16.

COLLEGE DIPLOMAS. Dipl. in Agric., 33 ; Dipl. in Hortic., 10 ; Dipl. in Dairying, 10 ; Dipl. in Wool and Wool Classing, 21.

SOUTH AFRICA

UNIVERSITY OF CAPE TOWN (p. 988)

UNIVERSITY OF NATAL (p. 998)

UNIVERSITY OF THE ORANGE FREE STATE (p. 1007)

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER
EDUCATION (p. 1010)

UNIVERSITY OF PRETORIA (p. 1015)

RHODES UNIVERSITY (p. 1027)

UNIVERSITY OF SOUTH AFRICA (p. 1032)

UNIVERSITY OF STELLENBOSCH (p. 1034)

UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
(p. 1042)

UNIVERSITIES OF THE UNION OF SOUTH AFRICA

HISTORICAL SUMMARY (originally contributed by Professor Ritchie of Cape Town, revised by Sir Carruthers Beattie, formerly Vice-Chancellor of the University of Cape Town, and 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 exams. had undoubtedly a strong influence on the growth of these Colleges and the greater attention paid to subjects beyond the mere school range. This Board continued to exist until 1873, when a successful attempt was made to institute a Univ. for S. Africa. The Univ. of the Cape of Good Hope, which was then founded, continued to exist until the beginning of 1918, when it was transformed into the Univ. of S. Africa, with its administrative seat at Pretoria. This Univ. was modelled

on the lines of London Univ., as then existing, as a purely examining body. It was governed by a Council, half of whose members were nominated by the Government, half elected by the members of Convocation. It had no constitutional connexion with the Colleges which prepared students for its exams., 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 exams. 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 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

* Now the University of Pretoria.

† Now the University of Natal.

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. 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.*

In 1921 Parliament passed a further Act, which had 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 and is now affiliated with Rhodes University.

In 1930 Parliament passed an Act incorporating the Transvaal University College, Pretoria, as " The University of Pretoria," as from Oct. 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,

* Now the Potchefstroom University for Christian Higher 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 Rhodes University on March 10, 1951. 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. The Faculties of Rhodes University are Arts, Science, Education, Commerce, Divinity, Law, Social Science, Music, and Fine Arts.

In 1950 the Potchefstroom University College was incorporated as a University and assumed full University status on March 17, 1951, as the Potchefstroom University for Christian Higher Education. It has Faculties of Arts, Theology, Natural Sciences, Education, Economic Sciences, and Social Sciences.

With the disappearance of all its constituent colleges the University of South Africa was reincorporated under the same name in 1951.

Each of the nine Univs. is governed by Council and Senate.

The Senate of the Univ. of South Africa as reconstituted in 1951 consists of two members appointed by the Council, Director and Professor of the Division of External Studies and lectrs. of the Division who are heads of depts. recognized by the Council for representation on the Senate, two representatives of the Senate of each of the other Univs. in South Africa, and not fewer than eight other persons who are Professors or lectrs. at the other Univs. in South Africa. The Senates of the other Univs. consist in each case of the Principal or Rector, the Vice-Chancellor, two additional members of the Council appointed for a prescribed period, and the Professors and, in addition, at Pretoria and the Orange Free State, Heads of Depts., and at Natal, Directors or Heads of such research institutes as fall under the control of the Council, and the Librarian of the University. At the Univs. of Cape Town and the Witwatersrand two Assessor members are elected annually by the Lecturers.

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, Pretoria, Rhodes, and Potchefstroom.

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.

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, Ebdon, all £300 for 2 yrs. ; W. Hiddingh, £266 p.a. for 3 yrs. ; Maynard, £90 p.a. for 2 yrs. The Ebdon 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. 421.

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 Univs., the admission of registered students of any one of the Univs. to any of the others, and a minimum period of attendance and minimum fees for the degree of Bachelor. They have power to formulate regulations dealing with any matters of common interest, such as the rotation between the Univs. of postgraduate scholarships administered by the Committee and the conditions of award, etc. ; the conditions and award of essay prizes, etc. The Committee has also acted as the selecting body for Commonwealth and British Council Scholarships and Imperial Relations Trust Fellowships. The address of the Secretary (who is also Registrar, Univ. of Cape Town) is P.O. Box 594, Cape Town.

COMMITTEE OF PRINCIPALS. A Committee of Principals was constituted and accorded recognition by the Minister of Education and the Councils of University institutions. The Committee consists of the Principals of the Universities, 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 nine 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 nine 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 $33\frac{1}{3}$ 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 Hebrew or Portuguese 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; Hoofdakke (Holland); Forces Preliminary Examination.

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.

Telephone : 6-2174 ; 6-3909.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Hon. Mr. Justice A. VAN DE SANDT CENTLIVRES, K.C.,
B.A. Cape, B.C.L. Oxon., LL.D.

PRINCIPAL AND VICE-CHANCELLOR—T. B. DAVIE, LL.D. Camb., B.A.
Cape, M.D. Liv., F.R.C.P.

CHAIRMAN OF COUNCIL—W. DUNCAN BAXTER, LL.D.

ACCOUNTANT—A. D. KNOTT CRAIG, B.Com., F.C.I.S.

LIBRARIAN—R. F. M. IMMELMAN, B.L.S. Col., M.A., F.L.A.

TEACHING STAFF

Accounting and Business Method

Greenwood, H. Prof.
21 Pt.-time Lectrs.

African Studies

Wilson, Mrs. Monica M., M.A.,
Ph.D. Camb. (Soc. Anthropol.)

Prof.
Lestrade, G. P., A.M. Harv., M.A.,
F.R.S.S.Af.

(Bantu Langs.) Prof.
Goodwin, A. J. H., M.A. Camb.,
F.R.S.S.Af.

(Ethnol. and Archæol.)
Sr. Lectr.

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.
Keen, E. N., 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

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

Butt, J. E.

Sturrock, F. L.

Pett, D. W., B.A. Camb.

Studio Masters/Lecturers

Klop, U. H.

Anderson, W. G. D., B.A.

Floyd, H. C., B.A. Arch.

Downie, N. C.

Emary, J. E., B.A. Arch.

7 Assts., 2 Clerical Assts.

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

Bacteriology, v. Pathology

Botany and Bolus Herbarium

Isaac, W. E., B.Sc., Ph.D. Wales
 Harry Bolus Prof.
 Compton, R. H., M.A. Camb.,
 F.R.S.S.Af.
 Harold Pearson Prof.,
 Dir. of National Bot.
 Gdns.
 Bolus, Mrs. Harriet, B.A. Cape,
 D.Sc. Stell., F.R.S.S.Af.
 Curator, Bolus Her-
 barium.

Lecturers

Wilman, Audrey M., B.Sc. Lond.
 Olivier, Dorothea L., B.Sc. Rand.,
 M.Sc.
 Schütte, K. H., Ph.D. Dub.
 Gray, Anna, B.Sc. Jr. Lectr.
 8 Demrs., 3 Assts.; Bolus Her-
 barium, 1 Clerical Asst.

Chemistry

Pugh, W., D.Sc. Lond., Ph.D.,
 F.R.I.C., F.R.S.S.Af.
 Prof. and Hd. of Dept.
 Holliman, F. G., M.A., Ph.D.
 Camb. Mally Prof.
 Senior Lecturers
 Sebba, F., M.Sc. Pret., Ph.D.,
 F.R.I.C.
 Spong, A. H., M.Sc. Lond., Ph.D.
 Camb.

.....

Lecturers

Stephen, A. M., D.Phil. Oxon.,
 M.Sc., Ph.D.
 Arnold, R., M.Sc. Rand.
 Lamchen, M., M.Sc. Pret., Ph.D.
 Lond.
 Prout, E. G., M.Sc., Ph.D. S.A.
 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.

Lecturers

Burrows, L., B.A. Liv.
 Hewitt, W. H., B.A. Oxon., M.A.

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.
 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.
 Palmer, G., B.Com. Jr. Lectr.
 Arkin, M., B.Com. Jr. Lectr.
 2 Demis.

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. Stell., M.Ed.,
 D.Phil. S.A.
 Murray, Margaret I., B.A. Stell.
 Spilman, Mary D., B.A. (Elocu-
 tion).
 Hart, Ida E. J., M.A., B.Ed.,
 Ph.D.
 Groves, Mary E., M.A. Asst.
 Hoffa, Sylvia C. Drill Instr.
 9 Assts., 1 Clerical Asst.

Engineering, v. infra

English

Doughty, O., M.A. Durh., B.Litt.
 Oxon. (E. Lit.)
 Arderne Prof. and Hd. of
 Dept.

..... (E. Lang.) De Beers Prof.
 Cavers, Dorothy L., B.Litt. Oxon.,
 M.A., B.Ed. Sr. Lectr.
 Segal, P., M.A. Lond., B.Ed.
 Lectr.
 Lennox-Short, A., B.A. Oxon.,
 M.A. Jr. Lectr.
 Morgan, Mrs. Anne M., M.A.,
 B.Ed. Jr. Lectr.
 1 Demr.

Fine Art School

Shephard, R. N., Slade Dip. of
 Fine Art, Lond. Prof.
 Mitford-Barberton, I. G. Lectr.
 Twine, S. W. Lectr.
 Esmonde-White, Eleanor F.
 Lectr.
 Simmers, M. (Drawing) Asst.
 1 Jr. Lectr., 6 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'Ét. 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 Res. 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.
 Eggstein, P. 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.
 Wallace, Frances M., B.A. S.A.
 Jr. Lectr.

Law

Cowen, D. V., B.A., LL.B. (Com.
 and Indust. Law) Prof.
 Price, T. W., M.A., LL.B., Ph.D.
 Camb. (R. Dutch) Prof.
 Beinart, B., LL.M. Lond., B.A.,
 LL.B.
 W. P. Schreiner Prof.
 5 Assts., 1 Clerical Asst.

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.
 Lectr.
 Whiteman, J. H. M., M.A. Camb.,
 Ph.D. Lectr.
 Cormack, Mrs. Barbara, A.M.
 Jr. Lectr.

Mathematics, Pure

Sears, D. B., D.Sc. Rand. Prof.
 Skewes, S., Ph.D. Camb., M.A.,
 B.Sc. Sr. Lectr.
 Lecturers
 Pauc, C. Y., D. ès Sc.
 Househam, K. O., B.Sc. Rand.
 M.A. Princet., M.Sc.
 Walker, R. M.
 5 Demrs.

Mineralogy and Geology

Walker, F., M.A. Camb., Ph.D.,
 D.Sc. Edin.
 Philipson-Stow Prof.
 Vincent, H. C. G., M.A. Camb.
 Sr. Lectr.
 Lectr.
 Jr. Lectr.

1 Res. and Museum Asst., 1 Demr.,
2 Lab Assts.

Music

Chisholm, E., D.Mus. Edin.,
F.R.C.O.

Prof. and Dir. of Coll.

..... Asst. to Dir.

van Wyk, A. Sr. Lectr.

Armhold, Adelheid Sr. Lectr.

Rubens, H., Mus.Bac. Sr. Lectr.

Dennis, E. J. Lectr.

van de Vliet, Elizabeth, Dip. Royal
Conservatorium, The Hague

Lectr.

Hall, L., B.A., B.Mus. Lectr.

Stevenson, Primrose Asst.

2 Clerical Assts., 35 other staff.

Nederlands Cultural History

Bax, D., Litt.D. Nijmegen Prof.

Nederlands en Afrikaans

Scholtz, J. du P., M.A. Stell.,
Litt.D. Amst.

Hofmeyer Prof.

van der Merwe, I. W., M.A.

Sr. Lectr.

Lecturers

Bax-Botha, Mrs. Marie A., M.A.
S.A.

Vertrage, J. A., M.A., Ph.D.

Opperman, D. J., M.A.

Philosophy

Murray, A. H., M.A. Stell., B.Litt.,
D.Phil. Oxon. Prof.

Eales, W. C., B.A. Cape, M.A. S.A.
(L. and Metaphys.) Sr. Lectr.

Lecturers

Versfeld, M., Ph.D. Edin., M.A.

van Wyk, Mrs. Anna L., M.A.

Physics

James, R. W., M.A. Camb., B.Sc.
Lond., F.I.P. Prof.

..... Prof.

Grindley, E. N., M.Sc. Brist.,
Ph.D. Sr. Lectr.

Schaffer, W., M.Sc., Ph.D. S.A.
Sr. Lectr.

Lecturers

Cormack, A. M.

Juritz, J. W. F., M.Sc.

van Schalkwyk, T. G. D., M.Sc.

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.

Labuschagne, C. J. J., M.Sc. Stell.

Lectr.

Steytler, J. G., B.Sc. Jr. Lectr.

6 Pt.-time Lectrs., 3 Demrs., 5
Tech. Assts., 1 Clerical Asst.

Psychology

..... Prof.

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. Res. Asst.

1 Asst., 1 Clerical Asst. (Science
Faculty).

Social Science

Batson, E., B.Sc. (Econ.) Lond.

Prof.

Helm, Mrs. Brunhilde, B.A.Soc.Sc.
Lectr.

Batson, Mrs. Helen M., B.Sc.
(Econ.) Lond. Res. Asst.

1 Clerical Asst., 1 Asst.

Speech Training

van der Gucht, Rosalie E., Dip.
Dramatic Art Lond. Lectr.

..... 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., D.Sc. Utrecht
Sr. Lectr.
Patterson, Nellie, D.Sc. Rand.,
Ph.D. Camb. Lectr.
Broekhuysen, G. J., Ph.D. Leiden
Lectr.
Millard, Mrs. Naomi A. H., M.Sc.
Lectr.
Munday, Ena F., B.Sc. Jr. Lectr.
Jones, Constance, M.Sc. Jr. Lectr.
1 Clerical Asst., 1 Tech. Asst.

Engineering

v. also Maths., *supra*

Civil Engineering

Robertson, R. G., B.A. Oxon.
Corporation Prof.
King, W. H., B.A., B.Sc., C.Eng.
Durh. Sr. Lectr.
Robertson, D. C., B.Sc. (Eng.)
Sr. Lectr.
..... Lectr.
2 Assts., 2 Tech. Assts., 1 Clerical
Asst. (also Elect. and Mech.
Eng.).

Electrical Engineering

Guelke, R. W., Ph.D. Gött.
Corporation Prof.
..... Sr. Lectr.
Webster, G. H., M.Eng. Sheff.
Sr. Lectr.
Einhorn, H., Dr. Ing. Berl. Lectr.
Enslin, C. N., B.Sc. El. Eng.
Lectr.
..... Lectr.
2 Tech. Assts.

Land Surveying

Menzies, G. H., B.Sc. Prof.
West, I. D. (Theory of Land S.)
Sr. Lectr.
..... Lectr.
2 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.
..... Asst.
3 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.

2 Assts.

Child Health

..... Prof.

Dermatology

Lang, R., M.B., B.Ch. Dub. Lectr.
Asst. Clinical 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

Smuts, P. A., B.A. Cape, F.R.C.S.
Ed. Lectr.

Asst. Clinical Lecturers

Roux, D. J., M.A., M.B., B.Ch.
Dub., M.D. Amst.
Dickie Clark, W. F., M.B., B.Ch.
Aberd.
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.
2 Clin. Tutors.

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.
Merskey, C., M.B., Ch.B.
Hon. Res. 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.
Schrire, V., M.Sc., Ph.D., M.B.,
Ch.B. Jr. Asst.
Woolf, C. R., B.Sc., M.B., Ch.B.
Jr. Asst.
..... Jr. Asst.
Myers, H. S., M.B., Ch.B.
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. Belf.,
M.Ch.Orth. Liv., F.R.C.S.
Ed. Lectr.
Keen, A. D., M.B., Ch.B.
Asst. Lectr.
..... Asst. Lectr.
Tutors

Helfet, A., M.D., M.Ch. Liv., B.Sc.
Commerel, J., M.B., M.Ch. Orth.
Liv., F.R.C.S. Ed.
McMurray, T. B., M.Ch. Orth.,
F.R.C.S., M.B., Ch.B.

Orthopaedic Surgery

..... Prof.
1 Tech. Asst.

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.

Sacks, M. I., M.B., Ch.B. Jr. Asst.

Linder, A., M.B., Ch.B. Jr. Asst.

Naude, W. du T., M.B., Ch.B.

Jr. Asst.

1 Pt.-time Lectr., 2 Lab. Assts., 16

Tech. Assts., 5 Clerical Assts.

Public Health

Fehrson, 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. Frankfurt and

Berne, M.B., Ch.B.

Res. Assoc. Prof.

..... Lectr.

18 Assts., 3 Tech. Assts., 2 Clerical

Assistants.

Surgery, Dental

Wolff, H., L.D.S. Lectr.

Rosenblatt, W., L.D.S. Lectr.

Vaccination

Smit, G. J., M.B., Ch.B. Edin.,

D.P.H. Lectr.

Venereal Diseases

O'Malley, C. K., M.C., M.B.,

B.A.O., M.Sc. N.U.I.,

D.M.R.E. Camb. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Public Relations Officer,; Dir. of Extra-mural Studies,; Hon. Sec. of Appts. Cttee., E. G. Pells; Asst. Registrar, J. G. Benfield, B.Com. S.A.; Sr. Clerk, P. G. McDonald, B.A. S.A.; Cttee. Clerk, D. J. McQuirk, B.A., B.Com.; Staff Clerk, L. Read; Examns. Clerk, Doris E. MacDonald; Cashier, Ivy M. Layton.

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.

The usual language of instruction is English but certain first-yr. courses in science subjects are duplicated in Afrikaans.

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 Art), 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 certifi. and civil service law examns. Students who have obtained a degree are not eligible for season tickets at concession rates for daily travel.

The Union-Castle Steamship Co. gives concessions to students travelling coastwise between ports from Cape Town to Mombasa, inclusive (applicable only to whole-time scholars and students who have not graduated and who are not married): (a) Students travelling from home to school or Univ. or *vice versa*: *Single tickets* at single fare, according to age, less 10 per cent. *Return tickets* at the single adult fare, plus 10 per cent. The period of availability may be extended to 12 months on application. (b) All other students: *Return tickets* will be granted at excursion rates, available for period of vacation.

Certificates must include age, home address and, when on vacation, the period of such vacation.

The Union-Castle Co. and other Steamship Cos. grant a 10 per cent. reduction on the ordinary fare to students proceeding overseas on vacation or for further study.

RESIDENCE. Hostels for 300 men and 200 women. Board, laundry, and residence, £120 p.a. Fuller Hall; Warden: Mrs. D. G. Emmett, B.A. Liv. Smuts Hall; Warden: J. B. Clark, M.A. Oxon., M.A. College House, Breda St., Cape Town; Warden, M. J. Pollard, B.A. Wales, M.A. Camb. Medical Residence, Anzio Rd., Mowbray, Cape Town; Warden: J. A. Keen, M.B., B.S. Lond., F.R.C.S.

ADMISSION. The entrance qualifn. for a first degree is the matricn. certifi. of the Jt. Matricn. Bd. for the Univs. in S. Africa or a certifi. of exemption issued by that Bd. Prospective students are advised to take for the matricn. certifi. at least 2 of the subjects, French, German, Greek, Latin, Maths. A pass in Latin is essential for LL.B. and in maths. for degrees in appl. and indust. chem., archit., engin., land surveying, med., sci. and quantity surveying.

EXTRA-MURAL STUDIES. In 1949 a Bd. of Extra-mural Studies took over the functions of the former Extension Lectures Cttee. The Bd. assumes responsibility for the organizn. of vacation courses, week-end conferences, courses corresponding to those given for the W.E.A., extension lectures in town and country and courses, in citizenship and other current topics.

TEACHING HOSPITALS. Groote Schuur Hospl., Cape Peninsula Maternity Hospl., Mowbray Maternity Hospl., and certain wards in Somerset Hospl. The Red Cross War Memorial Children's Hospl. will also be available upon its completion.

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 1950

BENEFACTIONS. Grants totalling £600 p.a. for 3 yrs. from Insurance Cos. and £500 from estate of late S. Banks towards res. in peripheral vascular dis. being undertaken in dept. of Surg., and £200 p.a. for 2 yrs. from A. B. McDonald Trust for res. in social med. A. A. de Pass gave a collection of paintings, books, and furniture to the Sch. of Fine Art.

DEVELOPMENT FUND. A public appeal for funds launched in July; amount contributed by end of yr. was £292,000. Purpose of appeal is primarily to finance an extensive bldg. programme made possible by the acquisition of adjacent property known as the Western Province Agricultural Show Grounds.

NEW POST. Chair of Nederlandse Kultuur Historie endowed for a period of 5 yrs. by Afrikaansche Stichting Moederland in Holland.

OTHER DEVELOPMENTS. Fisheries Research Inst. affiliated with the Univ., and Dir. of the Inst. apptd. Res. Prof.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Prof. J. Hughes (McGill), Dr. J. de Graaff Hunter (Cambridge), Prof. J. Knight (Univ. Coll. of South-West of England, Exeter), Sir Reginald Watson Jones (Univ. of London), Prof. F. H. Soward (Dir. of Sch. of Internatl. Studies, Univ. of British Columbia).

RETIREMENTS. Profs. R. S. Adamson (Bot.), E. C. Crichton (Obstet. and Gynæcol.), W. S. Mackie (Engl. Lang.); and Messrs. G. Stewart (Civil Engin.) and A. R. E. Walker (Geol.).

RESIGNATIONS. Prof. B. L. Goodlet (Electr. Engin.), on appt. as engineer to Atomic Res. Centre at Harwell; Prof. I. Schapera (Soc. Anthropol.), on appt. to Chair of Soc. Anthropol. in London Sch. of Econ.; C. W. T. Duminy, member of Univ. Council, after 20 yrs.' continuous service.

DEATHS. F.-M. the Rt. Hon. J. C. Smuts, Chancellor of Univ. since 1937, and Prof. H. A. Reyburn (Psychol.).

HON. DEGREES. *LL.D.*—Dr. M. C. Botha, former Prof. of Nederlands en Afrikaans in Univ. and then Sec. for Educn. (Union Dept. of Educn.) and Rector of Univ. of Pretoria; A. A. de Pass, connoisseur of art and antiques; Mrs. M. E. Fuller, first Pres. of National Council for Women in S. Africa and former member of Univ. Council; Dr. H. A. Moffat, one of the first lectrs. in Clin. Surg. in Med. Sch. of the Univ. *D.Litt.*—O. J. S. Satchel, Principal of Kimberley Boys' High School.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	294	2546
Women	357	812
Total	651	3358

Included in the above are 362 postgraduate students and 873 first-year admissions.

DEGREES. B.A., 90; M.A., 15; B.Com., 29; B.Ed., 5; B.Sc.Eng., 52; M.Sc.Eng., 1; B.Sc. App. and Industr. Chem., 9; B.Sc. Land Surveying, 22; B.Sc. Quantity Surveying, 3; B.A. Fine Art, 3; B.Arch., 54; LL.B., 15; M.B., Ch.B., 159; M.D., 1; Ch.M., 1; B.Mus., 2; B.Sc., 54; M.Sc., 12; D.Sc., 1; B.Soc.Sc., 5; M.Soc.Sc., 1; Ph.D. (all facs.), 11.

UNIVERSITY OF NATAL *

(Formerly NATAL UNIVERSITY COLLEGE: founded 1909)

Incorporated 1949

Postal Address : P.O. Box 375, Pietermaritzburg. P.O. Box 1525, Durban.

Telegrams : University (Durban or Pietermaritzburg).

Telephone : Durban (Howard College), 5-8566 ; City Building, 2-9746.
Pietermaritzburg, 2725.

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—ALAN PATON, B.Sc.

REGISTRAR—P. G. LEEB-DU-TOIT, B.Com. S.A.

ASSISTANT REGISTRAR—V. V. AUSTIN.

ACCOUNTANT—A. J. LYLE, B.Com. S.A.

LIBRARIAN—H. COBLANS, M.Sc., Ph.D. S.A.

TEACHING STAFF

(Allocated between Durban = D. and Pietermaritzburg = P.)

<i>Accounting and Auditing</i> (D.)	<i>Botany</i> (P.)
Fairbairn, W. J. G. Prof.	Bayer, A. W., D.Sc. S.A. Prof.
Waldeck, T. J. H., M.Com. S.A.	 Sr. Lectr.
Sr. Lectr.	Lecturers
..... Lectr.	Heard, C. R. C., M.Sc. S.A.,
15 Pt.-time Lectrs. for Professional	D.Phil. Oxon.
Accountancy classes.	Huntley, Kathleen, M.Sc. S.A.
<i>Agriculture, v. infra</i>	Meidner, H., M.Sc.
<i>Architecture and Quantity Sur-</i>	2 Demrs., 2 Lab. Assts.
<i>veying</i> (D. and P.)	
Connell, P. H., B.Arch. Rand.	
Prof.	<i>Chemistry and Chemistry Techno-</i>
Croft, L. T., B.Arch. Liv., Dipl.	<i>logy</i> (P. and D.)
T.P. Rand. Lectr.	Warren, F. L., Ph.D. Lond.,
Temporary Lecturers	D.I.C., F.R.I.C. Prof. (P.)
Levick, C. A. L., B.Arch. Syd.	MacKenzie, H. A. E., M.Sc. S.A.,
Adkin, A. B.	D.I.C., Ph.D. Lond.
Brandt, Helen, B.A. (Fine Arts)	Sr. Lectr. (P.)
S.A.	Bok, L. D. C., M.Sc. Stell., Dr. rer.
13 Pt.-time Lectrs. for professional	nat. Leipzig Sr. Lectr. (D.)
classes.	

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

Candy, H. A., M.Sc. S.A.

Lectr. (D.)

..... Lectr. (P.)

Leisegang, E. C., B.Sc. S.A.

Lectr. (P.)

..... Lectr. (D.)

Williams, Peggy P., B.Sc.

Prof.'s Asst. (P.)

1 Precision Engineer, 1 Tech.
Asst., 4 Demrs., 2 Lab. Assts.

Child Guidance Clinic (D.)

Pechey, B. M., M.A. S.A. Dir.

..... Asst. Dir.

1 Sec., 2 Res. Assts.

Classics (P.)

..... 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.

Lecturers

Allan, I. K., B.Com. S.A.

Gurzynski, Z. S., B.Com. Lond.

Green, L. P., M.Sc. (Econ.), Dipl.
Pub. Ad. Lond.

Divinity (P.)

Craig, Rev. R., M.A., B.D., Ph.D.

St. And., S.T.M. New York

Sr. Lectr.

Dutch (Afrikaans and Neder-
lands) (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., D.Litt. S.A.

Lectr. (P.)

Nienaber, C. J., M.A. S.A., Docts.

Litt. Amst.

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.

Fourie, L., M.A. Stell. Lectr. (D.)

Bruce, C. M. F., M.A. Oxon.

Lectr. (D.)

..... Res. Fellow.

Ngcobo, S. G., M.A. Yale, B.A.,

B.Econ. S.A.

African Res. Fellow.

4 Research Assts., 1 Fellow.

Education (P.)

Lloyd, A., M.A., Ph.D. Camb.

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.

Engineering, v. *infra*

English (P. and D.)

Durrant, G. H., M.A. Camb.

Prof. (P.)

Gardner, W. H., Ph.D. Lond.

Sr. Lectr. (P.)

MacKenzie, N. H., M.A. S.A.,

Ph.D. Lond. Sr. Lectr. (D.)

Broad, F. L., B.A. Camb.

Lectr. (P.)

Sands, R., B.A. Lond. Lectr. (D.)

McDonald, Florence M., M.A.

Glas. Lectr. (D.)

Experimental Physics (D.)

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

Cape, F.I.P. Prof.

Scott, H. W., M.Sc. S.A. Lectr.

Clarence, N. D., M.Sc. S.A., B.A.

Camb. Lectr.

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.)

Tricaud, Mlle M. L., L. ès L.,
 D.Ét.Sup., Cert. Sec. d'Ang.,
 Paris 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.)
 Williams, O., M.A. Wales
 Lectr. (P.)
 Lectr. (D.)
 2 Pt.-time Lectrs.

Geology (P. and D.)

King, L. C., D.Sc. N.Z., Ph.D. S.A.,
 F.G.S., F.R.S.S.Af. Prof. (D.)
 Frankel, J. J., M.Sc. S.A., D.Sc.
 Cape T. Sr. Lectr. (D.)
 1 Pt.-time Lectr. (P. and D.).

German (P. and D.)

Schmidt-Ihms, Maria, Ph.D. Leip-
 zig 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.)
 Sr. Lectr. (P.)
 Rees, A. W., M.A. Wales
 Sr. Lectr. (D.)
 Young, L. M., M.A. S.A., Ph.D.
 Camb. Lectr. (P.)
 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.)
 Peck, J. E. L., M.Sc. S.A., Ph.D.
 Yale Sr. Lectr. (D.)
 Bateman, Gertrude I., B.A. Camb.,
 M.A. Cape T., Ph.D. Lond.
 Sr. Lectr. (P.)
 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.)
 van der Borgh, R. F. E., L. ès
 Sc. Math. Louvain.
 Hill, C. K., M.Sc. S.A., B.A.
 Camb. Lectr. (D.)
 Livingstone, D., M.Sc. S.A.,
 Ph.D. Edin. Lectr. (P.)

Philosophy (D. and P.)

..... Prof. (P.)
 Jensen, O., M.A. Edin., D.Phil.
 Rand. Sr. Lectr. (D.)

Physics (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. (D.)
 Moulton, W. L., M.Sc. O.F.S.
 Temp. 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.

Social Anthropology, Native Administration, and Bantu Languages (D.)

Krige, J. D., B.A. Oxon. and Cape,
 LL.B. S.A. Prof.
 Krige, Eileen C. B. J., M.A., D.Litt.
 Rand. Lectr.
 Kirkwood, K., B.A., B.Sc. Rand.
 Lectr.
 Malcolm, D. Temp. Lectr.

Sociology and Social Work (D.)

..... Prof.
 Havemann, Mrs. Isabel M. M.,
 M.A. Cape Lectr.
 Jooste, C. J., M.A., D.Phil. Stell.
 Lectr.
 Marwick, M. G., M.A., B.A. (S.S.)
 S.A. Lectr.
 Pretorius, Martha H., B.A. (S.S.)
 S.A. Social Worker.
 2 Temp. Lectrs.

Speech and Drama

Sneddon, Elizabeth, M.A. Glas.
 Sr. Lectr. (D.)
 Quinton, P., M.A. Camb.
 Sr. Lectr. (D.)
 McNair, Dorothea Lectr. (D.)
 2 Temp. Lectrs.

Surveying (D.)

Biesheuvel, H., B.Sc. (Survey.)
 Cape T. Sr. Lectr.
 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.
 Jokl, E., M.D. Bres., M.B.,
 Ch.B. Rand. Lectr. (D.)
 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.
 Quicke, G. V., M.Sc.Agric. Pret.,
 Ph.D. Wisc. Lectr.

Agricultural Economics

de Waal, P. E., M.Sc.Agric. Stell.,
 M.S. Corn. Sr. Lectr.
 Behrmann, H. I., M.Sc.Agric.
 Pret. Lectr.

Agricultural Engineering

Vorster, P. J. C., B.Sc.Agric.
 Eng. Pret. Lectr.

Agronomy

Saunders, A. R., D.Sc.Agric. Pret.
 Prof.
 Smuts, I. J., B.Sc.Agric. S.A.
 Prof.
 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.
 Erasmus, J., B.Sc.Agric. Pret.
 Temp. 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.

Bosman, J., B.Sc.Agric. Pret.
Temp. 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.

Rausch, J. D. H., B.Sc.Agric.
Temp. Lectr.

Horticulture

le Roux, J. C., B.Sc.Agric. Stell.,
M.Sc. Calif., M.Sc. Hawaii
Prof.

.....
Lectr.

Knox-Davies, P. S., B.Sc.Agric.
Temp. 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.

Pienaar, A. J., B.Sc. S.A. Lectr.

Engineering (D.)—*Civil Engineering*

Daymond, J. R., M.Sc.Eng.
Wales Prof.

.....
Sr. Lectr.

Norman, D. G., B.Sc.Eng. S.A.,
Dipl. S. Lectr.

.....
Lectr.

..... (Instrument Making)

Lectr.
1 Temp. Lectr., 1 Workshop Asst.

Electrical Engineering

Clark, H., B.Sc.Eng. Lond.,
D.I.C. Prof.

Phillips, W. E., D.Sc.Eng. S.A.
Sr. Lectr.

Buckley, R. Lectr.

..... Lectr.

..... Lectr.

1 Temp. Lectr., 1 Workshop Asst.

Mechanical Engineering

Gould, A. J., Ph.D. Camb., D.Sc.
Lond. Prof.

Reim, E. P., B.Sc.Eng. S.A.

Sr. Lectr.

Lecturers

Kramer, P. J., Dip.Ing. Delft.

Langer, G., M.Sc.Eng. Rand.

Leeman, E. R., B.Sc.Eng. S.A.

2 Workshop Assts., 1 Demr.

Paint Research Institute (D.)

..... Dir.

Hart, K. R., M.A. Oxon.

Res. Officer.

Klein, A., Dip.Ing.Chim., D.Chim.
Stras. Res. Officer.

Rousa, R. E. Scientific Asst.

Fairburn, Florence K. Sec.

Sugar Miller's Research Institute (D.)

Douwes Dekker, K., D.Sc.
Utrecht Dir.

Perk, G. M., Ing.Ch.

Sugar Technologist.

McCulloch, A. F., B.Sc.Tech. Manc.

Mech. Engr.

..... Chemist.

Alexander, J. B., B.Sc. S.A.
Bacteriologist.

Owen, Mrs. M. H.	Sec.	Sherry, S. P., B.Sc. S.A., M.A. Oxon. Silviculturist.
Wattle Research Institute (P.)		Ossowski, L. L. J., M.F., For. Ing., D.Sc. Poznan Entomologist.
Shaw, H., M.Sc. Tech., Ph.D. Manc., F.R.I.C.	Dir.	 Plant Physiologist.
Martin, W. S., D.Sc., Ph.D. Lond., D.I.C.	Soil Chemist.	Gordon-Gray, C. G., B.Sc. Chemist.
Moffett, A. A., B.Sc. Birm., Ph.D. Lond.	Geneticist.	Smith, Miss E. K. Sec. 5 Jr. Tech. Assts.

ADMINISTRATIVE AND OTHER STAFF

ASST. ACCOUNTANT, G. L. E. Swain. SEC. (Durban), Miss C. A. Graham,
Howard Coll. SEC. (City Bldg.), Miss V. M. Luyt, B.Com. S.A.

LIBRARY. Dep. Librarian, H. L. Maple, B.A. Lond., M.A. Cape T., F.L.A.

STUDENT ADVISER AND EMPLOYMENT OFFICER. O. F. Black, B.Sc. Stell.,
M.A., Ph.D. Col.

NON-EUROPEAN SECTION. Organizer, Dr. M. Palmer. Sec., Miss N.
Kayser, B.A. Lond.

WARDENS OF RESIDENCES. Pietermaritzburg: Men's Residence, O. F.
Black, B.Sc. Stell., M.A., Ph.D. Col.; University Hall (Women), Mrs. M. E.
Kirkwood. Durban: Men's Residence, N. H. MacKenzie, M.A., Ph.D.;
Charles James Hall (Women), Miss E. Sneddon, M.A.; Wentworth College
Non-European Residence, G. C. Cato, M.A., B.D. Aberd.

SUPTS. OF GROUNDS AND BUILDINGS. W. G. Vorster (Durban), Major J. F.
Handley (Pietermaritzburg).

GENERAL INFORMATION

Established by an Act of 1909, Natal University College was opened in 1910 in the Town Hall and moved in 1912 to its own buildings (which, with equipment, cost £60,000) in the suburb of Scottsville, Pietermaritzburg. A new Science block and a women's hall of residence were added in 1921 and a residence for men in 1928. A new wing was added in 1934 and a Library and Fine Arts School in 1936. In 1926, a site of 50 acres at Stellawood, Durban, was presented by the Corporation of the City of Durban, for the erection of an Engineering College. An amount of £50,000 was donated by Mr. T. B. Davis in 1924 for this purpose. Howard College, as it is called to-day, was opened in Durban in 1931. A new Commerce Building, situated on a central site in the city of Durban, was added in 1936. By virtue of Act No. 4 of 1948, the Natal University College was incorporated as the University of Natal. It came into legal existence as an independent University on March 15, 1949, and, in addition to fulfilling its previous functions, is now entitled to examine its own students and grant degrees and diplomas.

The University consists of the Chancellor, Vice-Chancellor, Principal, Council, Senate and Convocation of the University; the professors, lecturers, and other teachers; the directors or heads of research institutes controlled by the Council; and the students of the University. The Chancellor, elected by the Council, is the head of the University, and as such is empowered, in the name of the University, to confer all degrees. The chief academic and administrative officer of the University is the Principal, who is *ex officio* a member of the

Council and the chairman of the Senate. The Council, which elects its own chairman, is the governing body of the University and administers its affairs and property.

LANGUAGE OF INSTRUCTION: English.

FACULTIES AND DEANS. Agriculture, Prof. J. D. Scott; Arts, Prof. O. J. P. Oxley; Commerce and Public Admin., Prof. T. H. Kelly; Education, Prof. A. Lloyd; Engineering, Prof. H. Clark; Law, Prof. G. M. J. Sweeney; Medicine, Dr. A. B. Taylor (Actg.); Science, Prof. D. B. Hodges; Social Science, Prof. B. Notcutt.

The Facs. of Arts (and Dept. of Fine Arts), Sci., Law, Educn., and Agric. function in Pietermaritzburg. In Durban, the Facs. of Arts, Med., and Sci. (with limited choice of subjects), Law, Engin., Commerce and Public Admin., Social Sci. and Dept. of Archit. function.

LOCATION. The Univ. is the only Univ. inst. in S. Africa which functions in two large cities, viz. Pietermaritzburg and Durban. These cities are 56 miles apart. One Council and one Senate control the Univ. as a whole, and meetings are held in alternate centres. A certain amount of duplication of work in both centres is inevitable.

DEGREES. B.A., B.Sc., B.Com., B.Econ., B.Soc.Sc.—3 yrs. B.A. Fine Arts, B.Sc.Eng., B.Sc.Sur., B.Sc.Agric., B.Soc.Sc. (S.W.)—4 yrs. B.Arch., B.Sc. Q.S.—5 yrs. M.B., Ch.B.—6 yrs.

HIGHER DEGREES. B.Ed.—at least 2 yrs. after first degree. LL.B.—not less than 3 yrs. after first degree. B.A. Hons., B.A. Fine Arts (Hons.), B.Sc. Hons., B.Sc. Chem. Tech., B.Com. (Hons.), B.Econ. (Hons.), B.Soc.Sc. (Hons.), M.Sc.Agric., M.Sc.Eng., M.Sc.Sur., M.Ed.—not less than 1 yr. after corresponding Bachelor's degree. M.A., M.A. Fine Arts, M.Sc., M.Sc. Chem. Tech., LL.M., M.Com., M.Econ., M.Soc.Sc., M.Soc.Sc. (S.W.), M.Arch.—not less than 2 yrs. from corresponding Bachelor's degree. Ph.D.—not less than 3 or 4 yrs. (according to Fac.) after Bachelor's degree. D.Sc.Agric.—not less than 5 yrs. after B.Sc.Agric. D.Litt. (D.Litt. in Fac. of Ed.—5 yrs. from B.Ed.), LL.D., D.Sc., D.Econ., D.Soc.Sc., D.Sc.Eng.—not less than 6 yrs. after corresponding Bachelor's degree. D.Arch.—not less than 7 yrs. after B.Arch. M.D., Ch.M.

DIPLOMAS. Univ. Education Dipl. (General, Special, or Technical)—1 yr. postgraduate. Univ. Education Dipl. (non-graduate)—1 yr. Dipl. in Archit.—5 yrs.

TERMS. The academic yr. is divided into 2 terms, the first of which begins towards the end of Feb.

ADMISSION. The normal qualifcn. for admission to a degree course is the Matricn. Certif. of the Jt. Matricn. Bd., or the Bd.'s certif. of exemption from the Matricn. Examn. Students who are not qualified, or who do not desire, to take a regular course may be admitted to individual classes, provided the prof. or lectr. concerned is satisfied that they are competent to profit by the instruction given. Students who have School Leaving Certifs. may, in certain cases, obtain conditional exemption from the Matricn. Examn. which would entitle them to enrol for degree courses.

NON-EUROPEAN SECTION. This is a separate section (temporarily housed in Sastri College belonging to the Natal Provincial Admin.) of the Univ. which has been established in Durban. The students, who are drawn mostly from the teaching profession, are pt.-time and take degrees in Arts, Commerce and Admin., and Social Science. Most of the classes are held at week-ends. The full-time staff of the Univ. organize and conduct the work. For some subjects pt.-time staff are engaged annually. The newly established Fac. of Medicine

for Non-European students has commenced its activities at Wentworth College, where medical students will receive their period of pre-medical training extending over 2 yrs.

GRADUATES' ASSOCIATION. Prior to 1949 the chief assocn. of graduates was known as the Natal University College Union, founded in 1922. With the attainment by the College of Univ. status, some of the functions of the Union have devolved upon Convocation, and a cttee. has been appointed to consider the relationship of the Union to Convocation.

FEES (inclusive). *Tuition* (for first-yr. courses) : Arts, Fine Arts, Commerce, Social Science, £55 p.a. Agric. Science, £65 p.a. Law, Engin., Surveying, Quantity Surveying and Archit., £75 p.a. Med., £60 for each of the two pre-medical yrs., £75 p.a. for subsequent yrs. of study. In subsequent yrs. of study other than the first yr. for all facs. except med., a reduction of from £2 : 10s. to £10 p.a. is granted. *Residence Fees*, £91 p.a.

STUDENT ORGANIZATIONS. The Athletic Union, which functions in both seats of the Univ., is the chief student organization, whose function it is to exercise control over the activities and finances of the various sporting clubs in each centre. There is also a Jt. Athletic Union organization which concerns itself mainly with sporting tours undertaken by Univ. clubs. Information concerning the various Student Socs., Clubs, and Cttees. is issued by the Students' Representative Council in each centre. The S.R.C. is the body elected to deal with all student affairs and is the students' official avenue of approach to the authorities of the Univ.

RESIDENCE. (For Wardens, see "Administrative and other Staff," *supra*.) Students are normally expected to reside at one of the residences unless living with their parents. *European* : Men's Residence, P.O. Oribi, Pietermaritzburg (Telephone : 4022), accomm. for 227. University Hall (women), Pietermaritzburg (Telephone : 4018), 149. Men's Residence, 282 Ridge Rd., Durban (Telephone : 4-1624), 154. Charles James Hall (women), Princess Alice Ave., Durban (Telephone : 5-7098), 25. *Non-European* : Wentworth College (men), Durban (Telephone : 87-7400), 50.

A STUDENT ADVISORY SERVICE has been established to help students to solve their many problems—personal, social, academic, financial, vocational, etc. An APPOINTMENTS AND EMPLOYMENT BUREAU exists to obtain suitable appts. for graduates and pt.-time and vacation employment for students.

LIBRARIES, ETC. Pietermaritzburg : approx. 25,000 vols. Durban, at Howard College and at City Bldg. : approx. 14,000 vols. ; Non-European section (Sastri College grounds) : approx. 3000 vols. **TEACHING HOSPITAL** (non-European medical students), **KING EDWARD VIII HOSPL.** **Bennett CHILDREN'S CENTRE.** **NATAL AGRICULTURAL RESEARCH INSTITUTE** (of which the Fac. of Agric. is a part).

PUBLICATIONS. *Calendar* (Dec.), 10s. ; Staff publication, *Theoria*, 2s. 6d. ; students' newspaper, *NUX*, 3d.

THE YEAR 1950

BENEFACTIONS. Univ. of Natal Development Fund raised £432,000 from a large number of private donors in 1946-50 ; the Pietermaritzburg municipality grants £3000, and the Durban municipality £4000 annually.

NEW BUILDINGS. Sci. and Technol. bldg., Durban, completed, and further extensions proceeding. Plans have been drawn up for a Fine Arts block, Pietermaritzburg, at a cost of £30,000 and at Durban at a cost of £12,000. Extensions to Durban residence proceeding.

OTHER DEVELOPMENTS. Plans for bldg. the non-European Medical Sch. adjacent to its teaching hospl., King Edward VIII Hospl., Durban, have been drawn up ; bldg. operations to begin during 1951. Adaptation of the ex-naval camp at Wentworth, for purposes of training non-European medical students in the basic scis., was completed in readiness for classes at the beginning of 1951. The post of full-time Dean and chairs of Anat. and Physiol. created.

EXTRA-MURAL WORK. In Pietermaritzburg about 74 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 Sci., Archit., Law, Soc. Sci., Commerce and Admin., and in Arts. Professional courses in Archit. and Quantity Surveying, Accountancy and Civil Service Law are given.

VISITS BY STAFF MEMBERS FROM OTHER UNIVERSITIES. Prof. F. Alexander, Western Australia : " Australia and South Africa : Some Parallels and Contrasts." Prof. J. Hughes, McGill : " Educational Universals." Dr. W. W. Grave, Cambridge : " Cambridge Past and Present." G. Butler, Witwatersrand : " Modern South African Poetry." Prof. W. S. Mackie, Cape Town : " Dialects in English, with special reference to South Africa." Prof. P. R. Kirby, Witwatersrand : " Music in the Modern World."

FELLOWSHIPS. Fellowships created in Dept. of French, Afrikaans-Nederlands, and German to encourage overseas students.

STUDENTS 1950.

(a) *European*

	<i>Part-Time</i>	<i>Full-Time</i>
Men	655	723
Women	65	263
Total	720	986

(b) *Non-European*

	<i>Part-Time</i>	<i>Full-Time</i>
Men	177	24
Women	11	9
Total	188	33

DEGREES. B.Sc. (Agric.), 18 ; B.A., 75 ; B.A. Hons., 11 ; M.A., 3 ; B.A. (Fine Arts), 2 ; B.A. (Hons.) (Fine Arts), 1 ; B.Com., 10 ; B.Econ. (Industrial Admin.), 4 ; B.Econ. (Hons.), 1 ; B.Sc. (Eng.), 28 ; B.Sc. (Surv.), 3 ; LL.B., 8 ; B.Sc., 36 ; B.Sc. Hons., 12 ; M.Sc., 7 ; Ph.D., 1 ; B.Soc.Sc., 7 ; M.Soc.Sc., 1.

DIPLOMAS. Univ. Education Dipl. (General), 13 ; Univ. Education Dipl. (Technical), 1 ; Univ. Education Dipl. (Non-Graduate), 4.

THE UNIVERSITY OF THE ORANGE FREE STATE

Founded 1855

Postal Address : Bloemfontein, O.F.S.

CHANCELLOR—THE HON. ADV. C. R. SWART, B.A., LL.B.

CHAIRMAN OF COUNCIL—J. F. ENSLIN, B.A., M.Educ., LL.B.

RECTOR AND VICE-CHANCELLOR—Prof. H. v. d. MERWE SCHOLTZ, M.A., D.Litt.

REGISTRAR—GEO. P. J. DU TOIT, B.Econ., LL.B.

LIBRARIAN—S. I. MALAN, M.A., F.S.A.L.A.

TEACHING STAFF

Accounting and Auditing

Samuels, H. J., M.Com. Prof.

Van Niekerk, A. F., B.Com. Lectr.

Afrikaans and Dutch

Badenhorst, W. J., D.Litt. Pret.,
M.A. Prof.

Kok, B., Litt.Docts. Utrecht,
M.A., D.Litt. Prof.

Lategan, G. J., D.Litt. Pret., M.A.
Sr. Lectr.

Beukes, G. J., D.Litt. Pret., M.A.
Sr. Lectr.

Astronomy

.....

Bantu Languages, Ethnology, and Native Administration

Van Schalkwyk, A. W., M.A.,
D.Phil. Stell. Prof.

Van der Westhuizen, S. B., M.A.
Lectr.

Botany

Lütjeharms, 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.

Chemistry, Organic and General

Groenewoud, P. W. G., D.Phil.

Oxon., M.Sc. Prof.

Chemistry, Physical and Applied

..... Prof.

..... Lectr.

Classics and Classical Culture

Steven, S. J. H., B.A. Oxon., M.A.
Cape Prof.

Van Rooy, C.A., M.A., S.A., B.A.
Oxon., D.Phil. Sr. Lectr.

Paap, A. H. R. E., D.Litt. et Phil.
Utrecht Lectr.

Economics and Economic History

Du Plessis, C. v. H., M.A. Stell.,
M.Sc. Minn., D.Phil. Pret. Prof.

Van Rensburg, W. J., M.A.
Lectr.

English

Hopwood, D. P., M.A. Oxon.,
D.Litt. Stell. Prof.

Loubser, J. W., M.A. Oxon. Prof.

Mackenzie, Miss B. A., M.A., D.Litt.

Cape, B.Litt. Oxon. Prof.
Mostert, C. W., B.A. Sr. Lectr.

Geology and Geography

.....	Prof.
Schmidt, A. A., M.A. Stell.	
.....	Sr. Lectr.
.....	Lectr.

German and French

Dekker, J. J., Dr.Phil. Vienna,	
M.A.	Prof.
.....	Lectr.
.....	Lectr.

Hebrew

Block, M., Dr.phil. Zürich	Lectr.
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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.,	
D.Phil. S.A.	Sr. Lectr.
.....	Lectr.

Law

Van Themaat, V., J.P., B.A.,	
LL.B. Stell., Docts.Jr.	
Leiden, LL.D. Pret.	Prof.
Joubert, C. P., B.A., LL.D.	
.....	Sr. Lectr.

Lecturers

de Wet, H. F.	
Gray, F. W.	
Potgieter, H.	
Smuts, F. S.	
van Rhyn, G.	

Mathematics, Pure and Applied

Malan, A. P., M.Sc.	Prof.
.....	Prof.
Reitsma, A., M.Sc.	Sr. Lectr.

Music

Roode, D. J., B.Mus.	Prof.
van der Merwe, F., B.Mus.	Rand.
.....	Sr. Lectr.
Koole, A., D.Litt. et Phil. Utrecht	
.....	Lectr.
Kautzky, Mrs. G.	Lectr.

Philosophy

.....	Prof.
.....	
Physical Education	
van der Merwe, I. R., B.A., M.Ed.,	
D.Phil. S.A.	Sr. Lectr.

Physics

Immelman, M. N. S., M.Sc. Cape	
.....	Prof.
van de Byl, J., M.Sc. Stell., A.M.	
Harv.	Sr. Lectr.
Alberts, L., M.Sc.	Lectr.

Political Science

Strauss, H. J., Docts.Jur. Amst.,	
B.A.	Prof.

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.
.....	Prof.

Vorster, H. R., M.A., D.Phil.	
.....	Sr. Lectr.
Prinsloo, Miss M. J. M., M.Com.	
.....	Sr. Lectr.
Mahne, Miss L. J., B.A.	
.....	Sr. Lectr.
Retief, F. P. le R., B.A.	Lectr.

Statistics and Finance

.....	Prof.
Reitsma, A., M.Sc.	Sr. Lectr.

Zoology

De Wit, J. J. D., Phil.Nat.D.	
Utrecht	Prof.
van Pletzen, R., M.Sc. Stell., D.Sc.	
.....	Lectr
Dreyer, Miss M. V., B.Sc.	Asst.

**Teachers' College of the
University of the O.F.S.**

Loubser, Prof. J. W., M.A. Oxon.	
.....	Principal.
Blignault, Prof. H., B.A., D.Ed.	
Stell.	Dean of Fac.

Education

Blignault, H., B.A., D.Ed. Stell.
(Educ. Psychol.) Prof.
Loubser, J. W., M.A. Oxon. (Eng-
lish) Prof.
du Toit, J. J., B.A. Pret., Phil.D.
Amst. (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. (Kinder-
garten).
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. (Short-
hand and Typewriting) Asst.
Domestic Science—Members of
Staff of Dom. Sci. Dept. of
the Meisieskool, Oranje.

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 provides courses for degrees in Arts, Science, Law, Education, Commerce, Music, Physical Education, and professional qualification as Social Workers, also preliminary training for Med. and Chem., Engineering, Agricultural and Veterinary Science. Facilities are also provided for students preparing for the "Admissie-eksamen" of the Theological Seminary at Stellenbosch. Students have access to the Fichardt Library, Railway Library, Archives, War Museum, National Museum, Lamont Observatory and Boyden Observatory.

HOSTELS for men and women within the Univ. grounds. Board and residence, £90 per session. Tuition Fees, £17 : 10s. per semester.

EXTRA-MURAL WORK in the Facs. of Law, Arts, and Commerce.

PUBLICATIONS. *Calendar, Shimla and Irawa.*

THE YEAR 1950

STUDENTS. 1056, including 135 graduates.

DEGREES. B.A., 65 ; B.A. (S.S.), 4 ; B.Sc., 22 ; B.Comm., 14 ; LL.B., 6 ; B.Ed., 9 ; M.A., 4 ; M.Ed., 3 ; B.Mus., 2 ; B.P.Ed., 2 ; M.Sc., 3 ; D.Litt., 1.

THE POTCHEFSTROOM UNIVERSITY

FOR CHRISTIAN HIGHER EDUCATION

TRANSVAAL

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Postal Address : Potchefstroom, Transvaal, S.A.

Telephone : 148 and 758.

CHANCELLOR—J. D. DU TOIT, D.Theol. Amst., D.D., D.Litt. S.A.,
Pret., Stell., and Cape T.

CHAIRMAN OF COUNCIL—Rev. H. J. R. DU PLESSIS.

RECTOR AND CHAIRMAN OF THE SENATE—Prof. J. C. VAN ROOY, M.A.
S.A.

VICE-CHAIRMAN OF SENATE—Prof. J. C. COETZEE, M.A., M.Ed., D.Phil.
F.B.Ps.S.

PRESIDENT OF CONVOCATION—Prof. L. J. DU PLESSIS.

REGISTRAR—S. DU TOIT.

LIBRARIAN—H. C. VAN ROOY, M.A. S.A., B.Sc. Col.

ASSISTANT REGISTRAR—G. P. SCHOEMAN, B.A. S.A., B.Com. Pret.

TEACHING STAFF

Accounting and Auditing

Jooste, F. J., B.Com. Stell.

Sr. Lectr.

Erasmus, D. P., B.Com. S.A.

Lectr.

Bantu Languages

Kaske, Rev. E. F. K.

Temp. Asst.

Botany

Goossens, A. P., Ph.D., D.Sc. S.A.,
F.R.S.S.Af. Prof.

Botha, P. J., M.Sc., Ph.D. S.A.
Sr. Lectr.

Papendorff, M. C., M.Sc., Ph.D.
S.A. Lectr.

Chemistry

du Plessis, D. J., M.Sc. S.A.,
D.Phil. Bonn Prof.

Tiedt, J., M.Sc. S.A. Sr. Lectr.
van den Berg, J. A., M.Sc. Lectr.

Commerce

Viljoen, D. J., M.Com. S.A.

Prof. and Actg. Dean.

Erasmus, D. P., B.Com. S.A.

Lectr.

Domestic Science

Joubert, Elsie S., B.Sc. Dom. Sci.

Asst.

Temporary Assistants

van Wageningen, Mrs. Elizabeth
C., B.Sc. Dom. Sci.

Theron, Daleen M., B.Sc. Dom.
Sci. Stell.

Schutte, Mrs. Helena C., B.Sc.
Dom. Sci. S.A.

Dutch and Afrikaans

Dekker, G., M.A. S.A., D.Litt.
Amst. Dean and Prof.

Labuschagne, F. J., M.A. S.A.
Prof.

Venter, H., M.A., D.Litt. S.A.

Sr. Lectr.

Gonin, Frances C., M.A. Stell.,
Litt.Dra. Amst. Sr. Lectr.

Economics and Economic Hist.

van der Merwe, J. P., M.A. S.A.,
D.Litt. et Phil. Amst. Prof.

van Deventer, B., B.Comm.,
M.Econ. S.A. Sr. Lectr.

Education

Coetzee, J. C., M.A., M.Ed.,
D.Phil. S.A., F.B.Ps.S.

Dean and Prof.

Professors

Bingle, H. J. J., M.Ed., D.Phil.
S.A.

van der Merwe, P. J., M.A. Rand.

English

Davies, R. E., M.A. S.A., Ph.D.
Lond. Prof.

Fourie, I. J. v. H., M.A., D.Phil.
S.A. Sr. Lectr.

Pretorius, J., B.A. S.A. Lectr.

French

Gonin, Frances C., M.A. Stell.,
Litt.Dra. Amst. Sr. Lectr.

Geography

van der Merwe, J. S., M.Sc., M.A.
S.A. Prof.

Duvenage, J. P., M.A. S.A. Lectr.

Geology

Ackermann, P. B., M.Sc. Cape T.
Sr. Lectr.

Bisschoff, A. A., M.Sc. S.A.

German

Schulze, H. G., M.A. S.A., D.Phil.
Bonn Prof.

Brandt, P. A., M.A. S.A., D.Phil.
Leipzig Lectr.

Greek

Postna, A., B.A. S.A. Sr. Lectr.

History

Krüger, D. W., M.A., D.Litt. S.A.
Prof.

Du Plessis, J. S., M.A. S.A.

Sr. Lectr.

Latin

Coetzee, W. N., M.A., D.Phil. S.A.,
M.Ed. Stell.

Coetzee, J. J., M.A. S.A. Lectr.

Law

Senior Lecturers

Joubert, W. A., LL.D. Stell.

Swanepoel, H. L., B.A., LL.D.
Stell.

Mathematics and Applied Maths.

van Rooy, D. J., M.A. S.A.

Prof. and Dean.

Robbertse, W. P., M.Sc. S.A.,
Dr.Sc.T. Delft Prof.

De Wet, J. M., M.Sc. S.A., B.Sc.
Eng. Rand., Ph.D. Lond.

Sr. Lectr.

Music

Malan, J. P., B.A., B.Mus. S.A.

Sr. Lectr.

Van der Walt, J. J. A., B.Sc. S.A.
Lectr.

Pharmacy

..... Lectr.

Philosophy

Stoker, H. G., M.A. S.A., D.Phil.
Keulen. Prof.

Taljaard, J. A. L., M.A. S.A.
Lectr.

Physical Education

Smith, D. P. J., B.A., M.Ed.,
D.Phil. S.A., Dipl. Turn-
Sport- u. Gymm.-Lehrer Berl.

Prof.

Joubert, I. J., B.A., M.Ed. S.A.
Lectr.

van der Walt, Marié E., B.P.Ed.
S.A. Lectr.

Physics

Stoker, P. H., B.Sc. S.A., M.Sc.
Cape T., D.Sc. Amst.

Sr. Lectr.

Van der Mark, J., M.Sc. S.A.
Lectr.

Physiology

Hamersma, P. J., D.Sc. Pret.

Sr. Lectr.

.....

Lectr.

*Psychology*Hattingh, J. M., M.A., D.Phil.
S.A. Prof.Schoeman, C. F., B.A. (S.S.), M.A.
S.A. Lectr.Taljaard, J. A. L., M.A. S.A.
Lectr.*Semitic Languages*Kroeze, J. H., Dr.Theol., Litt.
Sem.Drs. Amst. Prof.Du Toit, S., M.A. Pret., M.Div.,
D.D. S.A. Prof. and Dean.*Shorthand, Typing, and Commercial Arithmetic*Coetzee, F. J. J., B.A., B.Comm.
S.A. Lectr.*Social Anthropology*Lehmann, F. R., cand. theol.,
cand. rev. min., Kand. d.
Höh. Lehamtes, Dr. phil. et
phil. habil. Leipzig
Temp. Prof.*Social Work*

Coetzee, J. H., M.A. S.A.

Sr. Lectr.

Viljoen, Charlotte, B.A.(S.S.) S.A.
Lectr.*Sociology*du Preez, D. C. S., M.A. Rand.,
D.Phil. Amst.

Prof. and Dean.

Coetzee, J. H., M.A. S.A.

Sr. Lectr.

*Theology*du Toit, J. D., D.Theol. Amst.,
D.D., D.Litt. S.A., Pret.,
Stell., and Cape T.
Hon. Prof.Du Toit, S., M.A. Pret., M.Div.,
D.D. S.A. Prof. and Dean.Snyman, W. J., B.A., B.D. S.A.,
Theol.Drs. Amst. Prof.Jooste, J. P., B.A., D.D. S.A.
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., D.Sc. Stell.
Sr. Lectr.

Ryke, P. A. J., M.Sc. Stell. Lectr.

van Eeden, D., B.Sc. S.A. Lectr.

Joubert, D. H., B.Sc. S.A.
Temp. Asst.*Conservatoire of Music*

Roode, M. C., B.Mus. Principal.

Müller, D.

Wegelin, A. W. (Violin).

Joubert, H.

Pretorius, Mrs. Thelma.

De Wet, Mrs. Heine G.

Net, Collette.

Papé, Mme Naomi (Singing).

Coetzee, Mrs. Miemie R.

ADMINISTRATIVE AND OTHER STAFF

Extension Officer, C. J. H. Schutte, B.Com. S.A. Accountant, P. J. De
Wet. Chief Clerk, F. N. Lion-Cachet. Housemaster (Student Residences),
D. J. van Rooy, M.A. S.A. Supt. (Grounds), G. Bosman.LIBRARY. Temp. Chief Asst., Mrs. Johanna van Rooy. Assts., Martha H.
van Rooy, B.A. S.A.; Jacomina Boon, B.A. S.A. 3 Temp. Assts.

GENERAL INFORMATION

Founded 1869, the present University was admitted in 1929 as a constituent
Coll. of the University of South Africa under the name of the " Potchefstroom

University College." An amendment to the Potchefstroom University College Private Act was passed by Parliament in 1933, whereby the original name, Potchefstroom University College for Christian Higher Education, was again adopted. In 1950 Parliament passed a private Act whereby the Coll. became the Potchefstroom University for Christian Higher Education. This status was assumed as from March 17, 1951.

FACULTIES AND DEANS. Arts, Prof. G. Dekker ; Sci., Prof. D. J. van Rooy ; Theol., Prof. S. Du Toit ; Educn., Prof. J. C. Coetzee ; Economic Scis., Prof. D. J. Viljoen (Actg. Dean) ; Social Scis., Prof. D. C. S. du Preez.

ADMISSION. Students wishing to read for a degree must have a matricn. certif. or a school leaving certif. (either the Transvaal High Sch. certif., Cape sr. certif., School leaving certif. of the O.F.S. or the Nat. sr. certif.), which gives full exemption from matricn., i.e. to obtain entrance to the Univ. the subjects for matricn. must include either Maths. or a third lang. For any dipl. course an ordinary school leaving certif. will suffice.

DEGREES. *Bachelor's Degrees* : B.A., B.A. Hons., B.Mus., LL.B., B.Sc., B.Sc. Hons., B.Sc. (Dom.), B.Sc. (Hyg.), Th.B., B.Ed., B.D.Ed., B.P.Ed., B.Comm., B.Comm. Hons., B.Soc.Sc., B.Soc.Sc. Hons. *Master's Degrees* : M.A., M.Mus., M.Sc., Th.M., M.Ed., M.Comm., M.Soc.Sc. *Doctor's Degrees* : D.Litt., D.Phil., D.Mus., D.Sc., Th.D., D.Ed., D.Comm., D.Soc.Sc.

DIPLOMAS. Music : Teacher's Dipl. in Music, Teacher's Dipl. in School Music, Dipl. for Church Organists, Artist's Dipl. in Music. Teacher's Dipl. in Dom. Sci. Teacher's Dipl. in Phys. Educn. for women. Univ. Teacher's Dipl. (non-graduate).

LANGUAGE OF INSTRUCTION : Afrikaans.

LIBRARY. The Ferdinand Postma Library is being built at approx. cost of £65,000. 15,000 vols. ; 564 magazines and periodicals.

A MUSEUM is accommodated in "De Oude Molen" estate owned by the Univ.

STUDENT RESIDENCES. Fees, £72 p.a. Women: De Klerkhuis, 81 students; Piet Groblerhuis, 52. Men: Postmahuis, 20; Uitspan, 36; Heimat, 38; Ons Huis, 49.

STUDENT ATHLETIC FACILITIES. Fully equipped gymnasium, swimming-bath and sports fields for gymnastics, swimming and water polo, athletics, football, hockey, and tennis, etc.

PUBLICATIONS. *Calendar* (Dec.) ; *Die Veteraan*, annual for past students (Nov., free) ; *Koers* (bi-monthly, 3s.) *Commemoration programme* (2s. 6d.), *Die Besembos* (students).

THE YEAR 1950

BENEFACTIONS. £9059 towards extension fund and £2781 towards library fund from public donations.

NEW BUILDINGS. The Ferdinand Postma Library.

NEW DEPARTMENTS AND POSTS. Professorship in Physical Educn. Sr. Lectureship in Maths. and Appl. Maths.

RESIGNATION. Miss M. E. E. R. Karberg, on marriage.

DEATH. Prof. F. Postma, Rector.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	32	602
Women	1	175
Total	33	777

Included in the above are 166 postgraduate students and 186 first-year admissions.

DEGREES. B.A., 65 ; D.Phil., 2 ; D.Litt., 3 ; Hons. B.A., 14 ; M.A., 9 ; B.Comm., 26 ; B.Econ. (I.A.), 1 ; Hons. B.Comm., 2 ; Hons. B.Econ., 1 ; M.Econ. (I.A.), 1 ; B.Ed., 18 ; B.P.Ed., 5 ; D.Ed., 5 ; M.Ed., 5 ; B.Sc., 24 ; B.Sc. (Dom.), 1 ; B.Sc. (Hyg.), 3 ; Hons. B.Sc., 4 ; M.Sc., 1 ; B.A.S.S., 8 ; Hons. B.A.S.S., 2 ; B.D., 9 ; D.D., 2 ; M.Div., 1.

UNIVERSITY OF PRETORIA

Founded in 1910 as Transvaal University College; incorporated in
1930 as University of Pretoria

Postal Address: Brooklyn, Pretoria, Transvaal, S.A.

Telegrams: Puniv, Pretoria (Bentley Code).

Telephone: 4-3111.

CHAIRMAN OF COUNCIL—H. O. MÖNNIG, B.A. Cape, Dr.Phil. Zür.,
B.V.Sc. S.A.

CHANCELLOR—C. TE WATER, B.A., LL.B. Camb.

VICE-CHANCELLOR AND RECTOR—C. H. RAUTENBACH, M.A., B.D. S.A.,
D.Phil.

REGISTRAR—J. C. V. BREYTENBACH, B.A., LL.B.

ACCOUNTANT—M. SMUTS, M.Com.

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., Dip.Arch. Rand.
Lectr.

14 Pt.-time Lectrs. and 6 from
other Univ. Depts.

Bantu Studies

Engelbrecht, J. A., M.A. Stell.,
Ph.D. Berl. (Bantu Langs.)
Prof.

Ziervogel, D., M.A., D.Litt.

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.

..... 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.,
Ph.D. Munich, D.I.C.

Dean, Fac. of Science, Prof.
Vogel, J. C., D.Sc. S.A., Dipl.Ing.

Karlsruhe Sr. Lectr.
du Plessis, D. J., M.Sc. Lectr.

3 Tech. Assts.

Chemistry, Organic

de Waal, H. L., M.Sc. Stell.,
Dr.phil. Bonn, D.Sc. Prof.
Brink, C. v. d. M., M.Sc. Stell.
Lectr.
2 Lab. Assts.

Chemistry, Physical

Malherbe, F. E., M.Sc., Ph.D.
Camb. Sr. Lectr.
le Roux, L. J., M.Sc., B.Com. S.A.
Lectr.
1 Pt.-time Lectr., 1 Demr.

Classics, v. also History

Professors

Viljoen, H. G., Litt.Class.Dr.
Gron. (Greek).
Gonin, H. L., B.A. Stell., M.A.
Oxon., Litt.D. Leiden (Latin).
Pistorius, P. V., M.A., B.D. Stell.,
Litt.D. Leiden, D.Litt. (Hel-
lenic and Patristic Greek).

Lecturers

de Kock, E. L., M.A., Litt.D.
Leiden (Greek).
Lubbe, W. J. G., M.A. (Latin).
la Grange, L. J. D., M.A. (Latin).
Muller, H., B.Litt. Oxon., M.A.,
D.Litt. (Latin)
Pt.-time Lectr.

*Commerce and Public Adminis-
tration, v. also Geog., Law,
Maths.*

Wynholds, H. W. J., Dr.Econ.
Utrecht (Banking) Prof.
Botha, D. J. J., B.Com. (Banking)
Lectr.
Hoek, P. W., B.Com.
(Accountancy) Prof.
Gey van Pittius, E. F. W., M.A.
S.A., Ph.D. Lond. (Public Ad-
min. and Polit. Sc.)
Dean of Fac., Prof.
Goudriaan, J., Dr.Ir. Technische
Hogeschool, Delft (C. and
Indust. Econ.) Prof.

Lustig, H., Cand.Amst., M.Com.
Bus. Man. (C. and Industr.
Econ.) Sr. Lectr.
Franzen, D. G., M.A., D.Phil.
Stell. (Econ. Theory and
Hist.) Prof.
de Kock, G. P. C., D.Phil. Harv.,
M.A. (Econ. Theory and Hist.)
Sr. Lectr.
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

Davidtsz, M. Jess, B.Sc. Col. Prof.
Ackerman, Esther M., M.Sc. Corn.,
B.Sc. Dom.Sc. Sr. Lectr.
Lecturers

.....

Combrink, Veronica, B.Sc. Dom.
Sc.

.....

1 Pt.-time Lectr.

*Dutch, Afrikaans and Germanic
Philol.*

Professors

van der Westhuysen, H. M., M.A.,
D.Litt.
Louw, S. A., Litt.Docts. Utrecht,
M.A., D.Litt. (Afr. and Dutch
Lang.).
Kritzinger, M. S. B., M.A., D.Litt.
S.A. (Afrikaans Lit.).
Senior Lecturers
Buning, T., B.A., B.Sc. S.A.,
M.A., D.Litt., M.Ed. (Afri-
kaans Lit.).
Bingle, J. P. (Afrikaans Lang.).
Scholtz, H. v. d. M., M.A., S.A.
(Afrikaans Lang.).
1 Temp. Lectr.

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, Gweneth, M.A.
Lectr.
1 Pt.-time Asst.

*Entomology, v. Agriculture, infra**French*

- Strelen, Mrs. Bernardine M.-T.
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.
Zür., D.Sc. Prof.
Nel, H. J., D.Sc. Sr. Lectr.
Zagt, S., M.Sc. Lectr.
Koen, G. M., M.Sc. Lectr.
1 Tech. Asst.

German

- Mostert, L. C., B.A. Stell., Ph.D.
Hamburg (German Lang.)
Prof.
Trümpelmann, J., B.A. S.A.,
Dr.Phil. Leipz., D.Phil.
Sr. Lectr.

Hebrew

- van Selms, A., Th.D. Utrecht Prof.
van Zyl, A. H., B.D., M.A. Lectr.
2 Pt.-time Lectrs.

History

- Pelzer, A. N., M.A., D.Phil. Prof.
..... 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.
3 Pt.-time Lectrs.

Land Surveying

- Van Der Walt, I. H., B.Sc. S.A.,
Dip. Land Surveying Lectr.
4 Pt.-time Assts.

*Law, v. infra**Library Science*

- Coetzee, P. C., B.A. S.A., M.A.
Sr. Lectr.

Lecturers

- van den Bergh, A. J., B.A.
Louw, J. P., B.Admin.
de Vleeschauwer, H. J., D.Phil.
Ghent, LL.D. Glas.

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

- Beezhould, W. F., D.Sc. Utrecht,
M.Sc. Prof.

Lecturers

- Geldenhuijs, J. J., M.Sc.
Kruger, C. J. v. Z., M.Sc.
Wüd, D. H., M.Sc.
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.
 Meyer, A. M. T., D.Phil. Lectr.

Physics

- Verleger, H., D.Phil. Giessen,
 Dr. rer. nat. habil. Tech.
 Univ. Darmstadt. Prof.
 Voss, V., B.A. Cape, M.A., Ph.D.
 Johns H. Sr. Lectr.

Lecturers

- Fourie, D. J., M.Sc.
 Prinsloo, L. A., M.Sc.
 Steyn, A. P., M.Sc. Stell.
 1 Pt.-time Lectr., 19 Demrs., 1
 Tech. Asst.

*Physiology, v. Medicine and Vet.
Science**Political Science and Public
Admin., v. Comm.**Psychology*

- la Grange, A. J., M.A., Ph.D. Stell.
 Prof.
 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.
 Bothma, C. V., B.A. Lectr.
 2 Pt.-time Lectrs.

Sociology and Social Work

- Cronjé, G., M.A. Stell., Drs.Ed.,
 Litt. et Phil.D. Amst.
 Dean, Fac. of Arts, Prof.

Lecturers

- van Zyl, G. J., B.A.(S.W.).
 Venter, H. J., M.A.
 van der Walt, P. J., B.A.(S.W.).
 Strating, Mrs. Helena M., M.A.
 (S.W.).

- Uys, Dorothea H. G. F., M.A.
 (S.W.).

- Erasmus, Louisa, B.A. (S.W.).

*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.
 2 Pt.-time Lectrs., 1 Tech. Asst.,
 21 Demrs.

*Zootechnics, v. Vet. Science, infra***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 Tech-
nology*

- Theron, J. J., B.Sc.Agr. S.A.,
 Ph.D. Calif. (Soil Tech.)
 Dean of Fac., Prof.
 van Wyk, L. P., B.Sc.Agric.
 Lectr.

Agric. Economics

- Tomlinson, F. R., M.Sc.Agric.
 Stell., Ph.D. Corn., D.Sc.
 Agric. Prof.
 van der Merwe, Z. D., B.Sc.Agric.
 Lectr.

- 2 Temp. Asst. Lectrs.

Agric. Engineering

- Prof.
 Vorster, J. A., M.S.A.E. Iowa,
 B.Sc.Agric. Sr. Lectr.
 van Heerden, J. S. P. K., M.Sc.
 Agric. Lectr.

*Agric. Entomology (and Entomo-
logy 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 Breed-
ing) 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.
1 Temp. Tech. Asst.

Forestry

..... Lectr.

Genetics

Hofmeyr, J. D. J., M.Sc.Agric.
Stell., Ph.D. Corn., Ph.D. S.A.
Sr. Lectr.
1 Pt.-time Lectr.

Horticulture

..... Union-Castle Prof.
Oberholzer, P. C. J., Ph.D. Ari-
zona, 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.

Dentistry

Joubert, P. M. B., Tandarts
Utrecht Prof.
Kieser, A. W., Tandarts Utrecht
Prof.
9 Pt.-time Lectrs., 3 Tech. Assts.

*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.
2 Pt.-time Lectrs.

History of Education in South Africa

Pelzer, A. N., M.A., D.Phil. Prof.

Nursery School Training

Naude, Helena 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, Gertrud, Phys.Ed.Dip.
Basle Lectr.
5 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., Com-
parative L.*

Pont, D., LL.D. Utrecht, LL.B.
S.A., K.C. Prof.
Tregrove, 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. Leiden,
B.A., LL.B. Prof.
4 Pt.-time Lectrs.

Medicine*Anæsthetics*

Lombard, W. A., M.D. Sr. Lectr.
1 Sr. Anæsth., 2 Asst. Anæsth.,
4 Clin. Assts.

Anatomy

de Haas, W. G., M.D. Utrecht,
M.B., Ch.B. Cape Prof.
Muller, Mrs. Tobie, M.B., Ch.B.
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*

Davel, J. G. A., M.A., B.M., B.Ch.
Oxon., M.D. Klin. Ped. Rand.
Prof.
Sr. Lectr.
.....
2 Clin. Assts.

*Diseases of the Ear, Nose, and
Throat*

Hofmeyr, J. H., B.Sc., M.B.,
Ch.B. Cape, F.R.C.S. Ed.
Sr. Lectr.
1 Clin. Asst.

Diseases of the Eye

Kriek, J. C., M.A., M.B., B.Ch.
Rand. Sr. Lectr.
2 Clin. Assts.

Diseases of the Skin

Marshall, J., M.B., B.S. Lond.,
M.D. (Skin Diseases) Lectr.

Forensic Medicine

Loubser, C. J. N., B.Sc. Stell.,
B.A., M.B., Ch.B. Dub.,
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.
3 Clin. Assts.

Infectious Diseases

Nelson, H. M. A., M.D., Ch.B.,
B.A.O. Dub., 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

Snyman, H. W., M.B., B.Ch. Rand.,
M.D. Gron. Sr. Lectr.
..... Lectr.
Bezuidenhout, D. J. J., M.B.,
Ch.B. Cape Clin. Asst.
Wessels, L. M., M.B., Ch.B. Rand.,
M.D. Clin. Lectr.
Ziady, F., M.B., Ch.B. Cape, M.D.
Lectr.
10 Clin. Assts.

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.
Kinnear, A. A., B.Sc., M.B., Ch.B.
Cape Sr. Lectr.
Dunston, T., M.D., B.Ch. Rand.
(Clin. Path.) Sr. Lectr.
Kingsley, C. S., M.B., Ch.B. Rand.
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.
McDonald, A. C., M.B., Ch.B.
Edin., D.M.R. Sr. Asst. Rad.

Dreyer, P. E., M.B., Ch.B. Cape,
D.M.R. Jr. Asst. Rad.
4 Jr. Asst. Rads., 4 Clin. Assts.

Surgery

Bremer, J. K., M.B., Ch.B., Ch.M.
Cape T., F.R.C.S. Ed. (Ortho-
pædics) Prof.
Schulenburg, C. A. R., M.B., Ch.B.
Cape, F.R.C.S. (Surg. and
Anat.) Sr. Lectr.
Besselaar, H. J., M.D. Zür.
Sr. Lectr.
du Toit, J. G., M.B., Ch.M. Cape,
F.R.C.S. Ed. (Orthopædics)
Sr. Lectr.
Jordaan, J. C., M.B., Ch.M. Cape
Sr. Lectr.
Morrison, A. G. M., B.A. Stell.,
M.B., Ch.B. Cape Lectr.
Albertyn, C., M.B., Ch.B. Cape
(Orthop.) Asst. Lectr.
Eybers, von W., M.B., B.Ch. Rand.
Clin. Asst.
Laubscher, C. L., M.B., B.Ch.
Rand. (Orthopædics)
Clin. Asst.
Maas, J. P., M.B., Ch.B.
Clin. Asst.

12 Clin. Assts.

Venereal Diseases

Behr, S., B.A., M.B., Ch.B., B.A.O.
Dub. Lectr.

Theology

(a) *Dutch Reformed Church*

Geyser, A. S., M.A., D.D. (Chris-
tian 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. Utrecht
(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.

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 Dean of Fac., Prof.

- Sutton, G. D., B.V.Sc. (also An. Management) Lectr.

Vet. Medicine

- 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

- Clark, R., D.V.Sc. Prof.
 Weiss, K. E., B.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.

Zootecnics

- Bisshop, J. H. R., B.Sc. Agric., B.V.Sc. S.A. Prof.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. to Registrar, Laya Osrin, B.A. Rand. Book-keeper, 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. Accountant's 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,

GENERAL INFORMATION

Founded 1910. For early history, see *Yearbook*, 1929, pp. 508-509.

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.

FACULTIES AND DEANS (1951). Arts, Prof. G. Cronjé; Science, Prof. W. E. Schilz; Agriculture, Prof. J. J. Theron; Law, Prof. L. I. Coertze; Theology, Prof. S. P. Engelbrecht and Prof. E. P. Groenewald; Commerce and Public Administration, Prof. E. F. W. Gey van Pittius; Veterinary Science, Prof. P. J. J. Fourie; Education, Prof. B. F. Nel; Medicine, Prof. L. J. te Groen; Dentistry, vacant.

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. There is an Experimental Farm (*Telephone*: 4.4517) one mile east of the main Univ. site. 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 (*Telephone*: 5.2411) 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 protozool., 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. The Clinical Buildings of the Fac. of Med. are in the grounds of Pretoria General Hospl. (*Telephone*: 2.9741). The Institute of Pathology is situated in Beatrix St., Pretoria (*Telephone*: 3.0811).

LIBRARY. 152,000 vols. Special collections: Africana, Goethe, Roman and Dutch Law.

LABORATORIES, ETC. Applied Maths., Bot., Plant Physiol., Chem., Entom., Geog., Geol., Phys., Psychol., Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat., Sheep and Wool, Domestic Sci., Gen. and Clin. Anat., Histol., Physiol., Biochem., Bacteriol., Clin. Pathol., Pathological Anat., Pharmacol., Medicine. ASTRONOMICAL OBSERVATORY. BOTANICAL GARDENS in Univ. grounds.

VETERINARY RESEARCH INST. CHILD GUIDANCE CLINIC. 3 TEACHING HOSPITALS.

ADMISSION. The qualifn. for admission to all degree courses is the matric. certif. of the Joint Matriculation Board of the Universities of S. Africa or a certificate of exemption from the matric. examn. Applications for such exemptions to the Sec. Jt. Matric. Bd., P.O. Box 392, Pretoria.

Non-members of the Univ. are not admitted to classes.

DEGREES. B.A., B.A. (Social Work), B.Admin., B.Com., B.Sc., B.Sc. (Mil.), 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. (Diet.), 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.A. (Social Work), M.Admin., M.Com., M.Sc., M.Sc. Dom.Sc., M.Arch., M.Sc. Q.S.—not less than 18 mos. after corresponding Bachelor's degree; M.Sc. (Agric.), M.Sc. (Agric. Eng.)—not less than 1 yr. after corresponding Bachelor's degree. B.Ed.—not less than 1 yr. after Bachelor's degree and High Dip. in Education or equivalent dip.; Ch.M.—not less than 3 yrs. after M.B., Ch.B. M.Ed.—1 yr. after B.Ed. M.Ed.Phys.—1 yr. after B.Ed.Phys. LL.B., 2 yrs. after legal B.A. or 3 yrs. after ordinary B.A. or other degree; M.D.—not less than 2 yrs. after M.B., Ch.B. B.D.—3 yrs. after B.A. D.Litt., D.Phil. (Arts, Com., and Pub. Admin.), D.Sc., D.Com., D.Mus., D.Ed., D.Ed.Phys.—not less than 4 yrs. from Bachelor's degree or 2 yrs. from Master's degree; D.Sc. (Agric.) and D.Sc. (Agric. Eng.)—not less than 3 yrs. from B.Sc. (Agric.). LL.D., not less than 2 yrs. from LL.B.; D.D., not less than 2 yrs. from B.D.; D.V.Sc., not less than 4 yrs. from B.V.Sc. or 2 yrs. from B.V.Sc. if at least 1 yr. after B.V.Sc. has been spent on research at an approved institution.

DIPLOMAS. Architecture, 5 yrs.; Quantity Surveying, 4 yrs.; Music (in abeyance), Commerce, Public Administration, Business Management and Administration, 2 yrs.; Social Work, Nursery School Teaching, 3 yrs. (1 yr. for graduates). Soil Conservation, 2 yrs.; Radiography, 3 yrs.; Diagnostic Radiography, 1 yr.; Librarianship, 2 yrs. or 1 yr. for graduates; Dip. Ophthalmology, Dip. Anaesthetics—2 yrs. after M.B., Ch.B.; Dip. Oto-Rhino-Laryngology—3 yrs. after M.B., Ch.B. Medical Radiology, 3 yrs. postgraduate; Diploma in Nursing for Sister Tutors, 1 yr.; Special Education, 1 yr. postgraduate; Higher Education, 1 yr. postgraduate; Dip. Theol.—3 yrs. after B.A.

CERTIFICATE. Quantity Surveying, 4 yrs.

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 or diploma course, £30 to £100 p.a., depending upon degree or diploma curriculum chosen.

LANGUAGE OF INSTRUCTION: Afrikaans.

VACATION COURSES. Short courses offered in Business Management and Administration. Occasional vacation courses for teachers.

FELLOWSHIPS, ETC., FOR GRADUATES OF THE UNIV. Union Scholps., H. B. Webb Scholp., G. Farrar Scholp., Rhodes Scholp., Elsie Ballot Scholp., Jr. and

Sr. Scholps. awarded by C.S.I.R. and the Nat. Council for Soc. Res. of the Union.

UNIVERSITY RESIDENCES. Women's Residence (175 students); Warden, Mrs. E. C. du Toit. College Hostel for men (75); Warden, Dr. T. Buning. Sonop Hostel for men (104); Primarius elected annually from students, Voortrekker Hostel for men (130); Warden, Prof. B. de Loor. Onderstepoort Hostel (50); Warden, G. Abrams. Boarding Fees: £80 p.a.

UNIVERSITY MILITARY FORMATION. No. 1 Observation and Sound Range Battery (1 O.R., S.A.A.).

ATHLETIC FACILITIES. Standard track; sports fields for hockey, rugby, basket-ball, baseball; tennis courts.

EXTRA-MURAL STUDIES. A special feature of the Univ. is the work done in the Extra-mural Faculties. At 239 Vermeulen St., Pretoria (Telephone: 2.2632), lectures are given, out of ordinary business hours, for the benefit of public servants, articulated clerks, commercial men, and teachers. About 850 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 organized in Pretoria and surrounding districts.

PUBLICATIONS. *Calendar* (November), free; bulletins containing result of research by members of staff.

THE YEAR 1950

BENEFACTIONS. Grant of £80,000 from Union Govt., being first payment of a total subsidy of £115,000 granted in connexion with establishment of Fac. of Dent. Contributions amounting to £5453 received towards establishment of the Students' Hall Bldg. Fund; £11,002 for Inst. for Children's Disease and £4933 for Bertha Stoneman Inst.

NEW BUILDINGS. Dental and Oral Hospl. and Sch. of Dent.; new bldg. for Arts and Div.

CHANGES IN REGULATIONS. Institution of: special B.A. curriculum for candidates qualifying for Diplomatic Service; combined course for B.A. (S.W.) and Dipl. in Nursery School Teaching; course in Military Sci. leading to degrees B.A. (Mil.) and B.Sc. (Mil.); second and third yr. courses in Dent.

VISIT BY TEACHER FROM OTHER UNIVERSITY. Sir Reginald Watson Jones, Sims' Commonwealth Travelling Prof. of Surg.: "Certain Aspects of Orthopaedics during the War."

RETIREMENT. Prof. A. J. van Tonder (Agric. Engin.).

RESIGNATIONS. H. J. J. Reynders (Commerce); Dr. T. von Haebler (Bacteriol.); Dr. C. A. Strauss (Geol.); Miss A. M. A. Cilliers (Dom. Sci.); Miss F. W. Botha (Dom. Sci.); Mrs. W. M. Poseman (Dom. Sci.); Dr. P. J. N. Retief (Anat.); Prof. C. F. v. d. Merwe (Clin. Med.).

DEATHS. Prof. J. I. Quin (formerly Prof. of Vet. Physiol. and Dean of Fac. of Vet. Sci.); Prof. J. S. v. d. Lingen (Phys.); H. W. Bateman (Technical Adviser).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	90	2825
Women	36	660
Total	126	3485

Included in the above are 665 postgraduate students and 778 first-year admissions.

DEGREES. B.Sc. (Agric.), 35 ; B.Sc. (Agric. Eng.), 4 ; M.Sc. (Agric.), 3 ; D.Sc. (Agric.), 2 ; B.A., 149 ; B.A. (S.W.), 24 ; M.A., 14 ; D.Litt., 1 ; D.Phil., 2 ; B.Com., 33 ; B.Admin., 5 ; M.Com., 1 ; B.D. Division A, 5 ; B.D. Division B, 13 ; B.Ed., 53 ; M.Ed., 7 ; D.Ed., 2 ; LL.B., 4 ; M.B., Ch.B., 94 ; Ch.M., 2 ; M.D., 2 ; M.D. (Clin.), 1 ; B.Sc., 50 ; B.Sc. (Q.S.), 1 ; B.Arch., 6 ; B.Sc. (Dom. Sc.), 6 ; B.Sc. (Dietetics), 3 ; M.Sc., 12 ; B.V.Sc., 16.

DIPLOMAS. Dip. Library Sc., 2 ; Dip. Social Work, 1 ; Dip. Theology, 1 ; H.E.D., 24 ; Dip. Nursery School Teaching, 10 ; Dip. Radiography, 7 ; Dip. Tutor Nurses, 3 ; Dip. Ear, Nose, and Throat, 1 ; Dip. Anæsth., 2 ; Dip. Dom. Sc., 6 ; Dip. Hospital Diet., 1 ; Dip. Q.S., 8 ; Dip. Arch., 1.

RHODES UNIVERSITY *

Founded 1904; Incorporated 1951

Postal Address: P.O. Box 94, Grahamstown, C.P.

Telegrams: "Rhodescol."

Telephone: (General) 589.

CHANCELLOR—B. F. J. SCHONLAND, C.B.E., M.A., Ph.D., Sc.D. Camb., D.Sc. Cape T., LL.D. Natal, F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—T. ALTY, D.Sc. Liv., Ph.D. Camb., F.I.P., F.R.S.C.

PRO-VICE-CHANCELLOR AND VICE-PRINCIPAL—J. V. L. RENNIE, M.A. Cape, Ph.D. Camb.

CHAIRMAN OF COUNCIL—S. B. HOBSON, M.A. Cape.

VICE-CHAIRMAN OF COUNCIL—H. A. KENDALL.

PRESIDENT OF CONVOCATION—.....

REGISTRAR—A. E. SHIELDS, M.B.E., M.A. Camb.

LIBRARIAN—F. G. VAN DER RIET, M.A. Stell., Dr. de l'Univ. de Paris.

TEACHING STAFF

African Studies

..... Prof.
Kent, N. R., M.A. Cape Lectr.

Botany

Twyman, E. S., M.Sc., Ph.D. Birm. Prof.

..... Sr. Lectr.
Martin, A. R. H., B.A. Camb. Lectr.

1 Senior Demr.

Chemistry

Barker, W. F., B.Sc., Ph.D. Liv., F.R.I.C., F.R.S.S.Af. Prof.

Verdier, E. T., D. ès Sc. Physiques France, M.Sc. S.A. Sr. Lectr.

Little, G. E., M.A., Ph.D. Camb. Sr. Lectr.

Gledhill, J. A., Ph.D. Yale, M.Sc., Ph.D. S.A. Lectr.

Steyn, W. J. A., M.Sc. S.A. 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.

Smith, H. H., M.Com. S.A. Sr. Lectr.

Divinity

Davies, Rev. D. H. M., M.A., B.D. Edin., D.Phil. Oxon., D.D. S.A. Prof.

Cosser, Rev. W., M.A., B.D. Glas., D.D. S.A., B. en Théol. Stras. Sr. Lectr.

Hewson, Rev. L. A., B.A. Rand., M.A. Camb. Lectr.

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

Economics and Politics

- Houghton, D. H., M.A. Oxon.,
B.A. S.A. Prof.
Threlfell, R. L., B.A. Camb.,
B.Com. S.A. Sr. Lectr.
Slee, A. T. C., B.Sc. (Econ.) Lond.,
M.A. S.A. Lectr.
1 Temp. Lectr.

Education

- Morton, D. M., B.Sc., M.A., Ed.B.
Glas. Prof.
Gerber, J. J., B.Sc. Stell., M.Ed.
S.A. Sr. Lectr.
1 Sr. Demr., 4 Instructors.

Engineering

- Hoxey, S. C., M.Sc. (Eng.) Lond.
Sr. Lectr.
Reid, J. M. Workshop Instr.

English

- Butler, F. G., M.A. S.A., B.A.
Oxon. Prof.
Searry, E. R., M.A., Ph.D. Sheff.
Sr. Lectr.
..... Sr. Lectr.
Hall, A. D., B.A. Oxon., B.A. S.A.
Lectr.

Fine Arts

- Todd, C. Prof.
Guiton, Mrs. Natalie M., B.A.
(F.A.) S.A. Sr. Lectr.
Evans, D. L. Lectr.

French

- Hérissou, C. D., L. ès L. Toulouse,
M.A. Lafayette, D. en Droit
et en Sc. Econ. 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.,
D.Sc. S.A. Prof.
Ruddock, A., M.Sc. Durh.
Sr. Lectr.

German

- Meyer, C. J., Cand.Lit.Germ.
Amst., D.Litt. S.A. Sr. Lectr.

History

- Roberts, M., M.A., D.Phil. Oxon.
Prof.
Southgate, D. G., B.A. Lond.,
D.Phil. Oxon. Sr. Lectr.
Fryer, A. K., B.A. S.A. Lectr.

Ichthyology

- Smith, J. L. B., B.A. Cape, M.Sc.
Stell., Ph.D. Camb.
Research Prof.

Law

- Sampson, H. F., B.A. Oxon. Prof.
Schwietering, K. F. J., LL.B.
Stell., B.A. S.A. Sr. Lectr.
Bertram, G. T. B., B.A. S.A., B.A.,
LL.B. Camb. 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. S.A. Sr. Lectr.
du Plessis, N., M.Sc. Rand., Ph.D.
Camb. Sr. Lectr.
Fick, J. R. G., M.Sc. S.A. Lectr.

Music

- Hartmann, F. H., Dr. Jur. Vienna
Prof.
du Plessis, H., B.A. Stell., B.Mus.
S.A. Lectr.
Graham, A. H. Lectr.
4 Practical Teachers.

Nederlands and Afrikaans

- Louw, W. E. G., M.A., Litt.Drs.
Amst., Ph.D. Cape Prof.
Hendrikz, Phoebe A., M.A. S.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. S.A. Sr. Lectr.

Powell, J. T.	Lectr.	Stoker, Fredericka M. L., M.A.
i Temp. Lectr.		S.A. Lectr.
		Andrzejewski, S., B.Sc. Lond.
<i>Physics</i>		Lectr.
Birks, J. B., B.A. Oxon., Ph.D.		<i>Zoology and Entomology</i>
Glas.	Prof.	Omer-Cooper, J., M.A. Camb.,
Watson, S. W., B.A. Cape, M.A.,		M.Sc. Durh., F.L.S. Prof.
Ph.D. Camb.	Sr. Lectr.	van Hille, J. C., M.Sc., Ph.D.
Szendrei, M. E., M.Sc., Ph.D. S.A.		Utrecht
	Lectr.	Sr. Lectr.
.....	Lectr.	Callan, E. M., B.Sc. Manc., Ph.D.
		Lond., D.I.C. Sr. Lectr.
		Macnae, W., B.Sc. Glas. Lectr.
<i>Psychology</i>		
Wild, E. H., Ph.D. Lond., M.Sc.		Leather Industries Research
S.A., F.B.Ps.S.	Prof.	Institute
Williams, W. H., B.A., Dip.Ed.		Shuttleworth, S. G., M.Sc., Ph.D.
Melb., M.A., Ed.D. Stanford		S.A., F.R.I.C.
	Sr. Lectr.	Director and Prof.
Marsh, M. C., B.A. S.A.	Lectr.	Cunningham, G. E., B.Sc., Ph.D.
		Leeds
<i>Social Science</i>		Lectr.
Irving, J., B.A. Camb.	Prof.	White, Mrs. Isobel H. B., M.A.
		St. And. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Accountant, P. M. Harker ; Asst. Registrar, R. Martin ; Wardens of Women's Residences, Sheila Maritz, M.Sc. S.A. ; ; Wardens of Men's Residences, J. T. Powell, J. W. King, M.Sc. S.A., E. D. Mountain, M.A. Camb., D.Sc. S.A. ; Catering Manager, F. D. Sudano.

AFFILIATED INSTITUTION

THE SOUTH AFRICAN NATIVE COLLEGE, P.O. Fort Hare, C.P. (*Telephone* : Alice 20). Founded 1916. Principal, C. P. Dent, M.Sc. S.A.

GENERAL INFORMATION

The beginnings of Rhodes University date from 1855, when St. Andrew's College was founded at Grahamstown. For many years, this School prepared students for degree examns., as well as for the usual school examns. In 1878, the School established a separate College dept. for the purpose of preparing students for the examns. of the Univ. of the Cape of Good Hope. In 1904, generous financial support from the Rhodes Trustees, the citizens of Grahamstown and the public bodies of the Eastern Cape, made it possible to separate this Coll. dept. from the Sch. and it was incorporated by Act of Parliament as Rhodes University College. The Coll. continued to prepare students for the degrees of the Univ. of the Cape of Good Hope until 1916, when it became a Constituent Coll. of the Univ. of S. Africa. In 1949, Parliament passed an Act incorporating the Coll. as Rhodes University, which came into being on March 10, 1951. From the same date, the S. African Native Coll. was affiliated to the new Univ.

The Univ. now owns an impressive array of buildings erected progressively since 1914 on an excellent site, the nucleus of which was donated to the Coll. by the Govt. All the bldgs., which comprise administrative, academic, and

residential blocks, are situated within easy reach of one another, and of the Univ. sports fields.

The Leather Industries Research Inst. originated as a Tanning Res. section of the Chem. Dept. and gradually developed, until in 1942 it was able to move into a separate bldg. and became an independent Dept. In 1946, it was formally constituted as a Research Inst. under the control of the C.S.I.R., but it still remained closely associated with the Coll.

CONSTITUTION. The Univ. consists of the Chancellor, the Principal, who is *ex officio* the Vice-Chancellor, the Vice-Principal, who is *ex officio* the Pro-Vice-Chancellor, the Council, the Senate, and the Convocation, together with the profs., lectrs., other teachers, and the students.

FACULTIES AND DEANS FOR 1951-53. Arts, Prof. W. E. G. Louw ; Sci., Prof. W. F. Barker ; Educn., Prof. D. M. Morton ; Commerce, Prof. D. Liddell ; Law, Prof. H. F. Sampson ; Divinity, Prof. D. H. M. Davies ; Social Sci., Prof. J. Irving ; Music, Prof. F. H. Hartmann.

ADMISSION. The entrance qualifn. for degree courses is the possession of the Matricn. Certif. of the Jt. Matricn. Bd., or a Certif. of Exemption issued by the Bd. (*see* Introductory Chapter, p. 986). Non-matriculated candidates may be admitted to certain dipl. and certif. courses.

DEGREES. 3 yrs.—B.A., B.Sc., B.Sc. (Hyg.), B.Com., B.Econ., B.Soc.Sc. ; 4 yrs.—B.A. (F.A.), B.Mus. ; 5 yrs. (*i.e.* 2 yrs. after approved Bachelor's degree in another Fac.)—B.Ed., LL.B., B.D. Degree of Bachelor with Hons. 1 yr. after Bachelor's degree in Facs. of Arts, Sci., Commerce, and Social Sci. ; alternatively, 4 yrs. from commencement of course in Facs. of Arts and Social Sci. Degree of Master—1 yr. after Bachelor's degree with Hons., or 2 yrs. after Bachelor's degree in Facs. of Arts, Sci., Commerce, and Social Sci. ; 1 yr. after Bachelor's degree in Facs. of Educn. and Music. Ph.D.—in all Facs., 2 yrs. after degree of Master or 3 yrs. after degree of Bachelor with Hons. D.Litt. (Facs. of Arts and Educn.), D.Sc., D.Econ., LL.D., D.D., D.Soc.Sc., D.Mus.—4 yrs. after degree of Master or 5 yrs. after degrees of Bachelor with Hons., B.Ed., LL.B., or B.D.

DIPLOMAS. 1 yr.—Phys. Educn., Anal. Chem., Soil Sci., Leather Sci., Educn., Social Work, Personnel Welfare and Management (all postgraduate). 2 yrs.—Theol. (postgraduate), Social Studies (non-graduate). 3 yrs.—Theol., Music (both non-graduate).

CERTIFICATE. 3 yrs.—Higher Primary Teacher's (non-graduate).

OTHER COURSES. First-yr. courses are given for students proceeding to other Univs. for degrees in Engin., Med., Dent., Vet. Sci. and Agric. ; the first two yrs. of the course for a degree in Survey are given ; and a special B.Sc. degree enables a student to obtain exemption from two yrs. of the course for a degree in Engin. at certain other Univs. The full courses of training for professional Dipls. in Survey and Music are also given.

FEES. The following cover all charges for registration, tuition, labs., ord. exams., graduation, library, Athletic Union and Students' Socs. : B.A., B.A. (F.A.), B.Com., B.Econ., B.Soc.Sc., £44 p.a. ; B.Mus., £46 p.a. ; B.Sc., £54 p.a. ; LL.B., £56 p.a. ; B.D., £41 p.a. Diploma courses, £46 p.a. Higher Primary Teachers' Certif., £40 p.a. Hons. and Master's Degrees—fees vary according to subject. Average fees : Hons., £40 p.a., Master's, £26 p.a.

RESEARCH. Facilities in the Univ. labs. for res. in Phys., Chem., Zool., Bot., Psychol., Geol., and Geog. The Leather Ind. Res. Inst. associated with the Univ. is the centre for res. into Leather Sci. for the whole of S.A. There is a special res. Dept. of Ichthyol., with a unique collection of the fishes of Southern

Africa. Through the generosity of Hugh Le May, a Fellowship has been established (value £800 p.a.), for encouraging res. in the Humanities.

SCHOLARSHIPS, ETC. Scholps. and Bursaries are awarded both to graduates and undergraduates. For graduates : 2 Union Scholps. of £300 p.a. for 2 yrs., 5 Master's and 3 Hons. degree Exhibitions of £60 p.a. for 1 yr., Otto Beit Scholp. of £40 p.a. for 1 yr., 2 Alfred Beit Scholps. of £32 p.a. for 1 yr., Muirhead Bursary of £75 p.a. for 1 yr., 7 scholps. of £120-£250 p.a. awarded by Leather Industries Res. Inst.

LIBRARY. Almost 70,000 vols., excluding unbound periodicals, pamphlets, etc. The Cory Library contains a collection of material relating to the hist. of the Eastern Cape Province.

RESIDENCES (Men): Founders Hall (Botha House, College House, Cory House, Matthews House), accommodates 187 students; Drostdy Hall (Struban House, Graham House), 117; Jan Smuts Hall (Milner House, Jan Smuts House, Livingstone House), 226. **(Women):** Oriel Hall (Beit House, Jameson House, Oriel House), accommodates 180 students; St. Mary's Hall (John Kotze House, Olive Schreiner House, Phelps House), 170. Residence fees: £92 p.a.

The **ATHLETIC UNION** controls all the sporting activities, including all the sports clubs.

PUBLICATIONS. *Calendar*; *Prospectus*; *Report* (annual); *Rhodian* (annual students' publi.).

THE YEAR 1950

BENEFACTIONS. Rhodes Trust, £10,000 (in addition to £10,000 given in 1949). Endowment Appeal Fund, launched in 1949, reached total of £150,000 by the end of 1950.

NEW COURSES. Swahili, Public Internl. Law, courses for the B.D. degree.

EXTRA-MURAL WORK. Extension lectures by staff members arranged as in previous yrs.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. B. J. Bok, Harvard, "The Depths of the Universe." Prof. J. Hughes, McGill, "Problems of Bilingual Education." Pandit G. Upadhyaya, Allahabad, "India and its Contribution to the World."

RETIREMENT. Prof. A. Winter-Moore (Fine Arts).

RESIGNATIONS. D. D. V. Kannemeyer (Law); A. N. Stroh (Phys.); W. J. Pretorius (Maths.), on appt. to Pretoria Techn. Coll.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	8	452
Women	14	321
Total	22	773

The above total includes 91 postgraduate students and 260 new admissions.

DEGREES. B.A., 92; Hons. B.A., 15; M.A., 1; B.A. (F.A.), 9; B.A. (S.S.), 9; B.Com., 17; M.Com., 1; B.Econ., 2; LL.B., 10; B.Mus., 3; M.Mus., 1; B.Sc., 43; Hons. B.Sc., 16; M.Sc., 5.

UNIVERSITY OF SOUTH AFRICA

Founded 1873

Postal Address: P.O. Box 392, Pretoria.

Telegrams: University, Pretoria.

Telephone: 2-3248, Pretoria.

CHANCELLOR—The Rt. Hon. G. J. MARITZ, K.C., B.A.

VICE-CHANCELLOR AND CHAIRMAN OF COUNCIL—S. P. E. BOSHOFF, M.A., Litt.D.

CHAIRMAN OF THE SENATE—Prof. W. F. BARKER, B.Sc., Ph.D. Liv., 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. Berl., M.A.

SECRETARY—B. F. J. VAN RENSBURG, B.Com., B.A.

TEACHING STAFF, DIVISION OF EXTERNAL STUDIES

Accounting: Sr. Lectr., M. H. Roberts, B.Com. Rand.; Lectr., L. M. du Toit, B.Com.; *Bantu Langs.*: Sr. Lectr., E. F. Potgieter, M.A.; *Classics*: Sr. Lectr., F. M. P. Oosterhof, M.A. Pret., D.Litt. Paris; *Commerce*: Sr. Lectr., F. Radel, Depl. rer. oec. Dresden, D.Comm. Stell.; *Economics*: Sr. Lectr., K. D. Venter, M.A.; *Education*: Sr. Lectr., D. H. Celliers, M.A., M.Ed., D.Phil.; *English*: Sr. Lectr., E. Davis, M.A. Rand.; Lectr., F. D. Sinclair, B.A. Rand.; *French*: Sr. Lectr., F. M. P. Oosterhof, M.A. Pret., D.Litt. Paris; *Geography*: Sr. Lectr., C. B. Smit, M.A. Pret.; Lectr., R. D. Tromp, B.Sc. Pret.; *German*: To be apptd.; *History*: Sr. Lectr., C. F. J. Muller, M.A., D.Phil. Stell.; Lectr., T. van Wyk, M.A.; *Law*: Sr. Lectr., D. de Villiers, B.A. Oxon.; *Maths.*: Sr. Lectr., J. H. van der Merwe, M.Sc. Pret.; Lectr., B. J. van der Walt, M.Sc.; *Native Admin.*: Sr. Lectr., E. F. Potgieter, M.A.; *Nederlands-Afrikaans*: Sr. Lectr., H. J. J. M. van der Merwe, M.A., D.Litt. Pret.; Lectr., J. L. Steyn, M.A.; *Philos.*: To be apptd.; *Politics*: To be apptd.; *Psychol.*: Sr. Lectr., A. S. Roux, M.A. Pret.; *Public Admin.*: To be apptd.; *Social Anthropol.*: To be apptd.; *Sociol.*: Sr. Lectr., J. A. van der Walt, M.A.; Lectr., Miss C. Labuschagne, M.A.

ADMINISTRATIVE AND OTHER STAFF

ADMINISTRATIVE SECTION. Chief Clerk, L. G. van der Merwe, B.Com. Stell. Principal Clerks, H. W. H. Hewson, B.Com.; A. T. Laubscher, B.Econ. Registrar's Sec., Miss Kreine Alexander, M.A.

DIVISION OF EXTERNAL STUDIES. Organizer, A. J. Vorster, B.A. Pret. Librarian, H. Zastrau, B.Sc. Pret. Asst. Librarian, Kathleen E. Cross, B.A. Rand., Libr. Dipl. Cape T.

GENERAL INFORMATION

By Act 12 of 1916 of the Legislature of the Union of South Africa the University of the Cape of Good Hope, incorporated by Act of the Cape Legislature in 1873, became and was incorporated in the University of South Africa, with administrative seat at Pretoria.

As from March 1951 the Univ. caters for external students only. The Division of External Studies supplies tuition (in most subjects) by correspondence; but it is not compulsory for students to obtain such tuition. *See also* Introductory Chapter, *supra*.

FACULTIES AND DEANS. Arts (including Fine Arts and Music), Prof. G. Dekker; Commerce and Admin., Prof. D. Liddell; Divinity, Prof. S. Du Toit; Educn., Prof. J. C. Coetzee; Law, Adv. D. de Villiers; Sci., Prof. D. J. du Plessis; Social Sci., Prof. D. C. S. du Preez.

DEGREES. B.D., M.Div., D.D.; B.A. (Pass and Hons.), M.A.; B.P.Ed., B.Ed., M.Ed., Ph.D. in 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. Students must have their curricula approved by the Senate and must pass the examns. prescribed for them from year to year by the Senate in order to qualify for degrees. Students resident outside the continent of Africa are not normally admitted to examns.

The M.Mus. 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 Town Planning—2 yrs.

SCHOLARSHIPS FOR GRADUATES. Hiddingh-Currie, £200 p.a. for 3 yrs.; and Union, £300 p.a. for 2 yrs.

SCHOOL AND MUSIC EXAMNS. The Univ. controls and conducts a *Jr. Certificate* examn. of standard 2 yrs. below matricn., examns. for Music Certifs. and Licentiate Diplomas (for Teachers of Music and Solo Performers), and examns. in Speech Training.

PUBLICATION. *Calendar* (Jan.; free).

THE YEAR 1950

STUDENTS. Full-time: 1843, including 95 graduates. External: 3935, including 215 graduates.

DEGREES. B.A., 315; B.A. (F.A.), 10; B.Mus., 2; Hons. B.A., 42; M.A., 8; D.Litt., 3; B.Com., 91; B.Econ., 11; Hons. B.Com., 9; B.D., 2; M.Div., 1; B.P.Ed., 6; B.Ed., 35; M.Ed., 7; D.Ed., 8; D.Phil., 1; LL.B., 20; B.Sc., 95; B.Sc. (Dom.Sci.), 6; B.Sc. (Hyg.), 11; Hons. B.Sc., 18; M.Sc., 3; Ph.D., 3; D.Sc., 1; B.A. (S.S.), 36; Hons. B.A. (S.S.), 2.

UNIVERSITY OF STELLENBOSCH *

Founded 1916

Postal and Telegraphic Address : University, Stellenbosch.

Telephone : 45 and 46 Stellenbosch.

CHANCELLOR—D. F. MALAN, Th.D. Utrecht, M.A., M.P.

VICE-CHANCELLOR—K. BREMER, B.A. Cape, M.B., B.S. Lond., M.D. Pret.

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. Col., F.S.A.L.A., M.A.

TEACHING STAFF

Agriculture, v. infra

Bantu Ethnology

..... Prof.
Bruwer, J. P. v. S., M.A. Pret. 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. Prof.

Botany

..... Prof.
Jordaan, P. G., D.Sc. Sr. Lectr.
de Vos, Miriam P., D.Sc. Lectr.
Smith, J. G., M.Sc. Jr. Lectr.

Chemistry

Rohwer, E. F. C. H., M.Sc. S.A., Dr. rer. nat. Frei. Prof.
Joubert, J. M., Ph.D. M.I.T., M.Sc. Prof.
Krige, G. J. R., Ph.D. Gött., M.Sc. Prof.
Kritzinger, J. H., Dr.Ing. Aachen, M.Sc. Sr. Lectr.

van der Merwe, P. W., Ph.D. Gött., M.Sc. Sr. Lectr.
Barnardt, J. H., D.Sc. (Bioch.) 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. Utrecht, M.A. Prof.

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. Pret. Sr. Lectr.
Dempsey, W. C., M.Comm. Sr. Lectr.
Nolte, D. J., B.Comm., M.Ed. Lectr.

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

Smith, C. A., B.Comm. Lectr.
Schumann, D. E. W., M.Comm. Lectr.
..... Chief Res. Officer.
Coetzee, Mrs. Mabel, 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

Sadie, J. L., Ec.D. Rott.,
M.Comm. (Arthur van der
Lingen de Villiers Chair) Prof.
..... Sr. Lectr.

Education

Gunter, C. F. S., M.A., D.Ed.,
D.Phil. (Philos. of E.) Prof.
Du Toit, P. S., M.A., D.Phil.
(History of E.) Prof.
Taute, B., B.A. (Method) Prof.
Meiring, J. G., Ph.D. Leipzig,
B.Sc., B.Ed.
(Ped. Psych.) Prof.

Senior Lecturers

Donald, M. M., M.A.
Heese, J. de V., B.A., D.Ed.
Uys, Anna M., M.A., B.Ed. Cape T.
Badenhorst, J. L., B.A.
Northcroft, Florence J., B.A. S.A.,
M.Ed.
Stockenström, E., B.A. Cape T.,
D.Phil.

Lecturers

Visser, P. G., B.A. S.A., M.Ed.
Van Heerden, E., M.A.
Smit, J. N., B.A.
Du Pisani, Esther P. (Needlework).
Baard, Janetta J. (Needlework).

Temporary Jr. Lecturers
Pickard, Mrs. Dorothy C., M.A.
Cape T.
Mocke, Deborah, B.A.

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.

Senior Lecturers

Sippel, J. J., B.Sc.Eng. Rand.
Steenkamp, W., B.Sc.Eng. Rand.,
S.M. M.I.T.
du Toit, C. A., B.Sc.Eng. Rand.
Roediger, L. E., Dipl.Eng. Munich,
M.Sc.Eng.

Olën, C. L., M.Sc.Eng. Rand.
Barnard, A. P., B.Sc.Eng. Cape
T.

Lecturers

Toerien, L. I., B.Sc., B.Sc.Eng.
Coetsee, A., B.Sc.Eng. Cape T.
Loedolff, G. F., B.Sc., B.Sc.Eng.
Uys, J. F., B.Sc.Eng. Rand.
Saueremann, J. D., B.Sc.Eng. Cape
T.
.....

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.

Lecturers

Harvey, C. J. D., M.A. Rand.
Ravenscroft, A., M.A. Cape T.
Patterson, Mary W., M.A. S.A.
Marquard, Mrs. Nellie J., M.A.
Oxon. Temp. Lectr.
De Wet, Mrs. Hilda, B.A.
Temp. Lectr.

French

Franken, J. L. M., Litt.D. Ghent, M.A. Prof.

Geography

Serton, P., Litt.D. Utrecht Prof.
Conradie, D. J., D.Phil. Sr. Lectr.
Nel, A., 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.
Wiid, 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. Sr. 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.

Lecturers

de Villiers, P. J., B.A.
Wandelt, Margarethe.
de Villiers, Margaretha E. (Speech Training).
Mohr, R. W., B.A. (Speech Training).
Behrens, R. H., B.A., B.Mus.
Lubbe, Elizabeth H. Jr. Lectr.
de Villiers, Gertruida 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.

Lecturers

Robra, Hilde, B.Ed.Ph.
Kelder, J. C.
van der Merwe, J. J. R., B.Ed.Ph.
Nel, Hester I., M.Sc. Wellesley Coll., Mass., B.Ed.Ph.

.....

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.
Sr. Lectr.

van Biljon, I. J., M.A. Jr. Lectr.

Semitic Languages

Weiss, P. F. D., M.A. Pret., M.A.,
B.D. Prof.

Fensham, M. A., B.D. Pret. 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

Professors

Gerdener, G. B. A., Ph.D. Gött.,
M.A.

Verhoef, P. A., M.A., M.Th.,
Th.Dr. Amst.

Keet, B. B., Th.Dr. Amst., M.A.

Müller, J. J., Th.Dr. Amst.,
D.D. S.A., M.A.

Potgieter, F. J. M., Ph.D. Cape T.,
Th.Dr. Amst., M.A.

Zoology

de Villiers, C. G. S., Ph.D. Ztr.,
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, Magdalena E., D.Sc.
Sr. Lectr.

Agriculture

Agric. Chemistry

Malherbe, I. de V., Ph.D. Munich,
B.A. Prof.

Steenkamp, J. L., D.Phil. Oxon.,
M.Sc. Prof.

Perold, I. S., D.Sc.Agric.
Sr. Lectr.

Agric. Economics

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. T., 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.Af.

Merensky Prof.
Hartwig, G. L. F., Dr. Oec. Publ.

Munich, B.Sc.For.
Transvaal Chamber of
Mines Prof.

De Villiers, P. C. le R., M.Sc.For.
Lectr.

..... Transvaal Chamber of Mines Lectr.	Lombard, R.	Jr. Lectr.
Williams, C. R. F., M.A., Dipl.For. Camb.	<i>Plant Pathology</i>	
Extraord. Temp. Lectr.	du Plessis, S. J., D.Sc.Agric.	Prof.
<i>Genetics</i>	du Toit, J. J., M.Sc.Agric.	Lectr.
Professors	<i>Pomology</i>	
Neethling, J. H., M.Sc. Corn.	Reinecke, O. S. H., D.Sc.Agric.	
Laubscher, F. X., M.Sc.Agric.	S.A., B.S.A. Tor.	Prof.
<i>Home Economics</i>	Nel, R. I., D.Sc.Agric.	Prof.
Louw, Gertruida J., B.Sc. (Home Ec.)	Black, M. W., D.Sc.Agric.	Prof.
Sr. Lectr.	<i>Poultry Husbandry</i>	
Jooste, Martha E., M.Sc. (Home Ec.)	Liebenberg, C. R., M.Sc.Agric.	
Sr. Lectr.	Sr. Lectr.	
Louw, Louisa J., M.A. Col., B.Sc. (Dom.Sc.) Pret.	<i>Veterinary Science</i>	
Sr. Lectr.	de Villiers, O. T., D.V.Sc. S.A.	
du Pisani, Esther P.	Lectr. and Hd. of Dept.	
Vos, Anna C., M.Sc. Home Ec.	<i>Viticulture</i>	
Lectr.	Theron, C. J., M.Sc.Agric.	Prof.
Groenewald, Isabella J., B.Ed.	de Waal, C. T., M.Sc.Agric.	Lectr.
Home Ec.		
Baard, Janette J.		
Lectr.		

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar, H. P. Dekker, M.A. Accountant, T. G. D. van Schalkwyk, B.Comm. Asst. Librarian, F. du Plessis, B.A. Purchaser of requisites for Univ. Hostels, J. W. L. Bonthuys, B.Comm. Supervisor of Univ. Bldgs., H. S. van Eeden.

GENERAL INFORMATION

The Victoria College developed 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 AND DEANS. Arts and Philos. (including depts. of Bantu Studies, Ethnol., and Soc. Studies), Prof. J. F. Kirsten; Law, Prof. W. M. R. Malherbe; Education, Prof. B. Taute; Sci. (including dept. of Dom. Sci.), Prof. J. M. Joubert; Theology, Prof. G. B. A. Gerdener; Agric. and For., Prof. W. H. van der Merwe; Commerce, Prof. C. G. W. Schumann; Engin., Prof. R. L. Straszacker.

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 following diplomas: 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 : 17 : 6 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, £20; for Bachelor's degree, £24; 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, net-ball, 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.; Hiddingsh, £266:13:4 p.a. for 3 yrs.; Ebdon, £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. Hostels (Men): John Murray-Huis, accommodates 350; Wilgenhof, 104; Helderberg, 82; Huis Marais and Huis Visser, 245. (Women): Huis de Villiers, 127; Huis ten Bosch, 116; Huis van Niekerk, 100; Harmonie, 67; Monica, 75; Crozierhuis, 26; Greylock, 24; Macdonaldhuis, 29. Boarding and tuition fees approximate £140 p.a. per student.

PUBLICATIONS. *Calendar* (Annual, Pt. I, Nov., Pt. II, May); *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate).

THE YEAR 1950

NEW BUILDINGS. Under construction: new hostel for women students; and addl. bldg. for Fac. of Agric.

NEW DEPARTMENTS AND POSTS. Professorship in Wood Technol.; sr. lectureship in Mech. Engin.; addl. sr. lectureship in Civil Engin.; sr. lectureship in Maths.

RESIGNATIONS. Mr. Justice H. S. van Zyl, Vice-Chancellor of the Univ.; Dr. M. D. Marais (Econ.); Dr. A. van Schalkwyk (Bantu Ethnol.); Mrs. S. P. Cilliers (Sociol. and Soc. Work); L. A. Kriek (Semitic Langs.); Miss M. Filmalter (Psychol.); Mrs. B. L. Liebenberg (Zool.); Mrs. H. K. Reitz (Engl.); J. C. du Plessis (Bureau for Res. Work); J. Marais and Miss W. Serton (Bureau for Res. Work); H. J. Bosman (Accountant).

DEATHS. Dr. J. G. P. van der Horst (member of Council) ; Prof. G. C. Nel (Bot.) ; Prof. H. P. Cruse (Educn.).

HONORARY DEGREES. *D.Phil.*—Mrs. M. E. Rothman. *M.Sc. in Agric.*—G. W. Johnston.

STUDENTS. Total: 2175 ; full-time: 2091 ; pt.-time: 84 ; the total includes 693 women.

DEGREES. B.A., 125 ; B.A. in Soc. Work, 21 ; B.Mus., 3 ; B.Sc., 60 ; B.Sc. in Dom. Sci., 2 ; B.Ed., 3 ; B.Ed.Ph., 4 ; B.Ed. in Dom. Sci., 4 ; B.Sc. in Agric., 48 ; B.Sc. in For., 9 ; LL.B., 16 ; B.D., 1 ; B.Comm., 42 ; B.Sc. Eng., 39 ; M.A., 25 ; M.A. in Soc. Work, 3 ; M.Sc., 5 ; M.Ed., 6 ; M.Ed.Ph., 1 ; M.Sc. in Agric., 5 ; M.Sc. Eng., 1 ; D.Phil., 3 ; D.Sc., 3 ; D.Ed., 2 ; LL.D., 1.

DIPLOMAS. Secondary Teachers' D., 53 ; Higher Primary Teachers' D., 21 ; D. for Teachers of Special Classes, 3 ; D. in Commerce, 5 ; D. in Soc. Work, 3 ; D. for Teacher Counsellors, 2 ; D. in Dom. Sci., 7 ; D. in Dom. Sci. for Primary Teachers, 1 ; Teachers' D. in Music, 13 ; Special Teachers' Certif. in Music, 1 ; Primary Teachers' Certif. (Spec.) in Music, 1 ; Performers' D. in Music, 1 ; D. as Church Organist, 1 ; Teachers' D. in Speech Training and Dramatic Art (Afrikaans), 5 ; Spec. Teachers' Certif. in Speech Training and Dramatic Art (Afrikaans), 2 ; Spec. Teachers' Certif. in Speech Training and Dramatic Art (English), 3 ; Final Certif. in Speech Training (Afrikaans), 8 ; Final Certif. in Speech Training (English), 3.

UNIVERSITY OF THE WITWATERSRAND * JOHANNESBURG, TRANSVAAL

Founded 1921

Postal Address : Milner Park, Johannesburg.

Telegrams : University, Johannesburg.

Telephone : 44-3781.

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.

ACCOUNTANT—D. A. DODDS.

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. Amst. 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.

Gillman, T., M.Sc., M.B., B.Ch.
Sr. Lectr.

Gilbert, Christine, D.Sc. Sr. Lectr.

Wright, M. K., M.Sc., M.B., B.Ch.
Lectr.

Cohen, S., M.B., B.Ch. Lectr.

Arnold, M., M.B., B.Ch., F.R.C.S.
Ed. Lectr.

Macgregor, A. L., M.B., Ch.M.
Edin., F.R.C.S. Hon. Demr.
6 Pt.-time Lectrs., 3 Lab. Techns.

Archæology

van Riet Lowe, C., D.Sc. Cape T.,
F.R.S.S.Af. Prof.

Malan, B. D., B.A. Cape T., F.S.A.
Pt.-time Lectr.

*Architecture and Quantity Sur-
veying*

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., F.R.I.C.S.

Pt.-time Lectr.

Milford, R. B., B.Sc. (Q.S.)

Pt.-time Lectr.

Pinfold, H. C. Temp. Lectr.

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

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 An-
thropol.) Sr. Lectr.

Lewin, J., B.A., LL.B. Cape T.
(Native Law and Admin.)
Sr. Lectr.

Colé, D. T., B.A. Lectr.

Longmore, Laura, M.A. Cape T.
Lectr.

Rheinallt-Jones, J. D., M.A. (Race
Relations) Hon. Lectr.

Language Assistants

Mncube, F. S. M., M.A.

Nyembezi, L. C. C., M.A.

Mofokeng, S. M., B.A.

Botany

Badenhuizen, N. P., D.Sc. Amst.
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., Ph.D.
Lectr.

Krupko, S., Ph.D. Warsaw Lectr.
2 Temp. Lectrs., 1 Lab. Techn.

*Chemistry and Chem. Engineer-
ing*

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. Reader.

Israelstam, S. S., M.Sc., Ph.D.,
F.R.I.C. Sr. Lectr.

Hawke, F., M.Sc. (Eng.), Ph.D.,
F.R.I.C. Sr. Lectr.

Lecturers

Marais, J. L. C., M.Sc., Ph.D.

Murray, K. A., Ph.D. S.A., M.Sc.,
F.R.I.C.

Schoeman, D. J., M.Sc. (Eng.).

Simpson, J. D., M.Sc., Ph.D.

James, G. S., O.B.E., B.Sc. Cape
T., M.Sc.

1 Temp. Lectr., 1 Lab Tech.

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., B.A. Oxon., M.A.
Tut. Asst.

*Commerce and Applied Eco-
nomics*

Richards, C. S., M.Com. Durh.,
D.Sc. Prof.

Wimble, B. J. S., F.S.A.A. (Ac-
counting) Prof.

Laight, J. C., M.Com. S.A., F.C.I.S.
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. Sr. Lectr.

Rudkin, W. C., B.Sc. (Econ.) Lond.
Lectr.

Welsh, Anne, B.A. Oxon. Lectr.
1 Pt.-time Lectr.

Education

Lighton, R. E., M.A. Pret.
Hon. Prof.

MacMillan, R. G., M.A., B.Sc. S.A.
Lectr.

Engineering, v. infra

English

..... Prof.
 van Heyningen, Christina, B.A. Oxon., M.A. Stell. Sr. Lectr.

Lecturers

Macauley, Sheila, M.A.
 Philip, Thelma, M.A. Cape T.
 Girling, H. K., B.A. Oxon.
 Geffen, Zoe N., B.A., M.Litt. Camb.

Fine Arts

Martienssen, Heather, Ph.D. Lond., B.Arch., M.A. Sr. Lectr.
 Long, Marjorie K., B.A. (Fine Arts) S.A. Lectr.
 3 Pt.-time Lectrs.

French and Romance

Valkhoff, M., D.Litt. et Phil. Amst. Prof.
 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., Ph.D. Lond., M.A., D.I.C. Sr. Lectr.

Geology

Gevers, T. W., M.A., D.Sc. Cape T., Dr.phil. Munich Prof.
 Mendelssohn, E., M.A. Harv., M.Sc. Sr. Lectr.
Lecturers
 Fockema, R. A. P., M.Sc. Pret.
 Little, Jeanne de V., M.Sc. Cape T.
 Biljon, W. J. van, B.Sc. Pret.
 Plumstead, Edna P., M.Sc. Pt.-time Lectr.
 1 Lab. Asst.

German

Hesse, W. G., Dr.Phil. Bres. Lectr.
 Gimkey, S. F., M.Sc. (Eng.) (G. for Engineering Students) Pt.-time Asst.

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., B.A. S.A. Lectr.

Law, v. also Bantu Studies

Hahlo, H. R., Dr.Jur. Halle, LL.B. Prof.
 Burchell, E. M., M.A. Camb., LL.B. S.A. Prof.
 Scholtens, J. E., Dr.Jur. Amst. 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.
Senior Lecturers
 Kerrich, J. E., M.Sc., Dip. Act. Math. Edin., F.R.A.S., F.S.S.
 Young, F., M.A., Dip. Act. Math.
 Welter, C. P., M.Sc.
Lecturers
 Weigert, H., M.Sc. Stell.
 Tannenbaum, B., M.A. Col., B.Sc.
 Berg-Sonne, N., M.Sc. Copenhagen.
 Harington, Catherine F., B.Sc.

Mathematics, Applied

..... Prof.
 Bleksley, A. E. H., M.Sc. Stell., D.Sc. Sr. Lectr.
 Oliver, H. O., M.Sc. Stell. Sr. 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

O'Connor, D. J., M.A. Chic., B.A.,
Ph.D. Lond. Prof.

Lecturers

Harris, E. E., M.A. S.A., B.Litt.
Oxon.

Livingstone, D. S., M.A. Durh.
Yourgrou, W., Dr.Phil. Berl.
Temp. Lectr.

Phonetics and Logopedics

Pienaar, P. de V., Ph.D. Hamburg,
M.A. Prof.

Clemons, A. B., LL.B. Sask., M.A.
Iowa Sr. Lectr.

Breckwoldt, G. H., Ph.D. Ham-
burg Lectr.

Physics

..... 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.

Aarts, W. H., M.Sc. Cape T., Ph.D.
Sr. Lectr.

Logie, H. J., D.Sc. Lectr.

Kushlick, I., M.Sc. Cape T. Lectr.

Brommert, J. W., B.Sc. Lectr.

Wilsdorf, Doris, Dr. rer. Nat. Gött.
Lectr.

1 Instrument Maker, 1 Sr. Demr.,
1 Lab. Asst.

Physiology

Gillman, J., D.Sc., M.B., B.Ch.
Otto Beit Prof.

Bernstein, R. E., M.Sc., M.B.,
B.Ch., D.C.P. Lond. Sr. Lectr.

Lecturers

Van Zyl, A., M.Sc. Stell.

Kaplan, S. A., M.B., B.Ch., Ph.D.
Camb.

Levy, P., Ph.D. Oxon., M.Sc.

Brener, S., M.Sc., M.B., B.Ch.

Evans, Margaret, M.B., B.Ch.

Glyn Thomas, Mary, B.Sc. Lond.
Pt.-time Lectr.

3 Lab. Technicians.

Psychology

MacCrone, I. D., M.A. Cape T. and
Oxon., D.Phil. Prof.

Warffemius, C. A. L., B.Sc. Lectr.

Lejeune, Yvonne, B.A.
Pt.-time Lectr.

Social Studies

Wagner, O. J. M., M.A. Cape T.,
D.Phil. Stell. Prof.

Badenhorst, L. T., M.A. Stell.
Sr. Lectr.

Muller, Ceciél, B.A. (Soc. Sc.)
Stell. Lectr.

1 Hon. Lectr., 1 Super. of Field
Work.

Zoology

van der Horst, C. J., D.Sc.
Amst. Prof.

Bolwig, Niels, D.Sc. Copenhagen
Sr. Lectr.

Balinsky, B., D.Sc. Kiev Sr. Lectr.

Hovy, J. W. H., Cand.Biol.
Utrecht, Ph.D. Lectr.

Kniep, Margaret, M.Sc. S.A. Lectr.

Nolte, D. J., M.Sc. Pret., Ph.D.
Lectr.

Kalk, Margaret J., B.Sc. Lond.
Lectr.

1 Hon. Lectr., 1 Sr. Lab. Techn.

Dentistry

(for subjects of first 2 yrs.—Anat.,
etc.—and for other subjects
common to D. and Medicine—
e.g. Pathology—v. *supra et*
infra)

Shaw, J. C. M., M.A., B.Dent.Sc.
Dub., D.D.S., F.R.S.S.Af.

Prof., also Lecturer in D.
Anat., Physiol., and
Histol.

Children's D.

Kotze, A. J., M.B., Ch.B. Edin.,
B.D.S.

Lectr. and Clin. Lectr.,
Lectr. also in Dentistry
for Medical Students.

Conservative Operative D.

Shepherd, G. F., L.D.S. Liv. Prof.

Dental Anæsthetics

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. Prof.

D. Materia Medica

Breyer, J. H., Tandarts Utrecht
Prof.

D. Mechanics

Ryan, J., L.D.S. Glas.
Lectr. and Demr.

D. Pathology

Staz, J., D.D.S. 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. Prof.

D. Therapeutics

Breyer, J. H., Tandarts Utrecht
Prof.

Maxillo-Facial and Oral Surgery

Brown, L. J., L.D.S. Lectr.

Orthodontia

Béan, 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 Histo-
pathol.

6 Dental Mechanicians.

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. Brist., D.Sc. (Eng.)

Sr. Lectr.
Clarke, C. H., B.Sc., B.E. Syd.

Sr. 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. (Eng.) Sr. Lectr.
Lecturers

Webb, V. L., B.Sc. (Eng.).

Heymann, F. G., M.Sc. (Eng.).

Mayne, D. Q., B.Sc. (Eng.).

Kitai, R., M.Sc. (Eng.).

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. Berl.
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 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.
1 Sr. Lab. Tech.

Mining Engineering and Surveying

Jeppe, C. W. B., M.Sc. (Eng.),
D.I.C. De Beers Prof.
Creewell, P. A. Sr. Asst.
Senior Lecturers
Edwards, E. P., B.Sc. Lond.
(Mining E.).
Edwards, T., B.Sc. Lond.
Freislich, J. G., B.Sc. (Eng.)
(Surveying).
Lauf, G. B., D.Sc. (Eng.) (Surveying).
Watt, I. B., B.Sc. (Eng.) Lectr.

Medicine

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

Anæsthetics

Nicholson, J. C., M.B., Ch.B.
Manc. Chief Anæsthetist.
Sr. Anæsthetists (Pt.-time).
Fisher, M., M.B., Ch.B., D.T.M.,
D.A. Liv.

Feldman, D., M.B., B.Ch.
Becker, C.
Hoffmann, S., M.B., B.Ch.
Hoochschild, G.
Frost, C., M.B., B.Ch.
Segal, B., M.B., B.Ch.
Senior Anæsthetists
Devitt, D. C.
McWilliam-Smith, Miriam B.,
M.B., Ch.B. Cape T.
Anæsthetists
Duffield, J. R., M.B., B.Chir.
Camb.
Fisher-Jeffes, D. L., M.B., B.Ch.
Cape T., D.P.H., D.A.
Siff, I., M.B., B.Ch. Cape T.
Vetten, Kathleen B., M.B., B.Ch.,
D.A.
Assistant Anæsthetists
Faberlan, H. A., M.B., B.Ch.
Kramer, M. S., M.B., B.Ch.
Silberman, S., M.B., B.Ch.
Wayburne, Hilde, M.B., B.Ch.
Widgerow, C., M.B., B.Ch., D.A.
Anæsthetic Registrars
Bader, S., M.B., B.Ch.
Friedlander, M.B., Ch.B. Cape
T.
Gottlich, J., M.B., B.Ch.
Martienssen, Kathleen L. M.,
M.B., B.Ch.
Rosenberg, J.
Sutherland, J. G. W., M.B., B.Ch.
Tanne, Anne, M.B., B.Ch.
Varejes, L., M.B., B.Ch.
Watson, Elizabeth M., M.B., B.Ch.
Aberd.
Zwick, N., M.B., B.Ch.

Bacteriology and Parasitology

Becker, B. J. P., M.D., B.Ch.,
D.P.H., D.T.M. & H.
Actg. Hd.
Chatgidakis, C. B., M.B., B.Ch.,
D.P.H., D.T.M. Sr. Lectr.
Siew, S., M.B., B.Ch. Lectr.
Schapera, R., M.B., Ch.B. Cape T.
Lectr.
1 Lab. Techn.

Diseases of Children

- Heymann, S. C., M.B., B.Ch.
 Chief Pædiatrician (Pt.-time).
 Strawbaun, A. E.
 Sr. Pædiatrician (Pt.-time).
 Sr. Pædiatrician.
 Assistant Pædiatricians (Pt.-time)
 Javett, S., M.D., B.Ch.
 Theron, J. J., M.D., B.Ch.
 Assistant Pædiatricians
 Falcke, H. C., M.B., B.Ch.
 Kahn, E., M.B., B.Ch.
 Kessel, I., M.B., B.Ch.
 Parnell, J. L., M.B., B.Ch.
 First Pædiatric Assts. (Pt.-time)
 Kuschlick, P., M.B., Ch.B. Cape T.
 Marks, G., M.B., B.Ch.
 Second Pædiatric Assts. (Pt.-time)
 Leiman, N. C., M.B., B.Ch.
 Medalie, M., M.B., B.Ch.
 Moodie, Brenda M., M.B., Ch.B. Liv.
 Rudolph, A. J., M.B., B.Ch.
 Pædiatric Registrars
 Cohen, H., M.B., B.Ch.
 Feldman, N., B.Sc., M.B., B.Ch.
 Hildick-Smith, G., M.B., B.Chir. Camb.
 Rudolph, A. M., M.B., B.Ch.
 Shnier, M. H., M.B., B.Ch.
 Glynn Williams, C., F.R.F.P.S. Glas.

Diseases of Children, Surgical

- Almond, R. L., M.B., B.C. Melb., F.R.C.S.
 Sr. Surgeon (Pt.-time).
 Lannon, J., M.B., B.Ch., F.R.C.S.
 Asst. Surgeon (Pt.-time).
 Kark, W., M.B., B.Ch., F.R.C.S. Ed.
 First Surgical Asst. (Pt.-time).
 Walker, D. H., M.B., B.Ch., F.R.F.P.S. Glas.
 Surgical Registrar.

Diseases of the Skin

- Gluckman, I.
 Chief Dermatologist (Pt.-time).
 Rose, M. Dermatologist.
 Evans, H.
 Asst. Dermatologist (Pt.-time).
 First Asst. Dermatologists (Pt.-time)
 Loewenthal, L. J. A., M.D., Ch.B., D.T.M., D.T.H. Liv.
 Robins, A.
 Second Asst. Dermatologists (Pt.-time)
 Binion, E., M.B., B.Ch.
 Chitters, M., M.B., B.Ch.
 Gordon, S., M.B., B.Ch.

Dispensary Practice

- Greenman, Gwen, M.B., B.Ch. Tutor.
Ear, Nose, and Throat, Dis. of
 Klugman, D. H., F.R.C.S. Ed.
 Chief Aural Surgeon (Pt.-time)
 Sr. Aural Surgeons (Pt.-time)
 Fox, G. M.
 Kerr, W. A.
 Popper, O., M.B., Ch.B., F.R.C.S. Ed.
 Asst. Aural Surgeons (Pt.-time)
 Bernstein, B. T., M.B., B.Ch., F.R.C.S. Ed.
 Jackson, M., F.R.C.S. Ed.
 Asst. Aural Surgeon
 Aronson, C., M.B., B.Ch.
 First Aural Asst. (Pt.-time)
 Raymond-Jones, T.
 Second Aural Assts. (Pt.-time)
 Bellon, B., M.B., Ch.B., F.R.C.S. Ed.
 Fine, J., M.B., B.Ch., F.R.C.S. Ed.
 Homburger, F., M.D. Würzburg, M.B., B.Ch.

Aural Registrar
Haynes, D. R., M.B., B.Ch.

Eye, Diseases of the
Franks, M., M.B., B.Ch.
Chief Ophthalmologist
(Pt.-time).

Sr. Ophthalmologists (Pt.-time)
Marais, I., M.B., B.Ch. Dub.
Staz, L., M.B., B.Ch. Dub.

Asst. Ophthalmologists (Pt.-time)
Handelsman, G.
Kaye, H., F.R.C.S.Ed.

First Ophthalmological Assts.
(Pt.-time)

Etzine, S., M.B., B.Ch.
Friedmann, A. I., M.B., B.Ch.

Second Ophthalmologist Assts.
(Pt.-time)

Hamelburg, H. J., M.B., B.Ch.
Woolf, J. E., M.B., B.Ch.

Ophthalmic Registrars
Clarke, P., M.B., B.Ch.
Jacobson, S., M.B., B.Ch.
Potgieter, G. J., M.B., Ch.B.
Cape T.

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.

Medical Practice, Conduct of

Meiring, J. de Vos, M.B., Ch.B.
Edin. Lectr.

Medicine

Elliott, G. A., O.B.E., M.D. Cape
T., F.R.C.P.
Prof. and Chief Physi-
cian.

Gear, J. H., B.Sc., M.B., B.Ch.,
D.T.M. & H.

Sr. Professional Asst.
Sr. Physicians (Pt.-time)
Baynash, J. B., M.D., Ch.B.
Edin.

Heimann, H. L., M.D., F.R.C.P.
Suzman, M. M., M.D. Durh.

Sr. Physicians
Gilroy, J. C., M.D., Ch.B. Edin.

Grek, I. J., M.D., B.Ch.
Physicians (Tutorial)

Lopis, S., M.D., B.Ch.
van Lingen, B., M.D., B.Ch.

Physicians
Gillanders, A. D., M.B., Ch.B.

Horwitz, L. H., M.B., B.Ch.
Popper, Evelyn N., M.D.

Wilson, V. H., M.D. Camb.
Asst. Physicians (Tutorial)

McGregor, M., M.D., B.Ch.
Ordman, B., B.A., S.A., M.B.,
Ch.B. Liv., M.D.

Asst. Physicians (Pt.-time)
Agranat, A. L., M.D., B.Ch. Dub.,
D.T.M. & H.

Bell, J. A., M.D., Ch.B. Glas.,
F.R.F.P.S.Glas.

Menof, P., M.B., B.Ch.
Reid, F. P., M.B., Ch.B. Edin.

Asst. Physicians
Grieve, S., M.B., B.Ch.

Grusin, H., M.B., B.Ch.
Hirschowitz, L., M.D., B.Ch.

Sluiscremer, G. K., M.D., B.Ch.
First Medical Assts. (Pt.-time)

Bayer, P., M.D., Ch.B. Aberd.
Posel, M. M., M.D.

Rabinowitz, A., M.D.
Schneider, T., M.B., B.Ch.

Second Medical Assts. (Pt.-
time)

Bradlow, B. A., M.D., B.Ch.
Buch, J., M.B., B.Ch.

Craig-Cochrane, J. W., M.D.,
B.S. Lond., M.D.

Fleischman, S. J., M.B., B.Ch.

Jackson, A. L., B.Chir., M.B.
Camb.

Jacobson, S. P.,

Levin, M. I., M.B., B.Ch.

Lurie, D., M.B., Ch.B. Cape T.

Malk, M.

Tinker, A. J., M.B., B.Ch.

Temp. Medical Registrars
(Tutorial)

Becklake, Margaret R., M.B.,
B.Ch.

Jacobs, H. D., M.B., B.Ch.

Medical Registrars

Adno, J., M.B., B.Ch.

Baskind, E., M.B., B.Ch.

Bothwell, T. H., M.B., B.Ch.

Braudo, J. L., M.B., B.Ch.

Cooper, W., M.B., B.Ch.

Friedman, I., M.B., B.Ch.

Goldberg, B., M.B., B.Ch.

Keeley, K. J., M.B., B.Ch.

Ovedoff, D. L., M.B., B.Ch.

Robinson, J. F., M.B., B.Ch.

Saner, R. G., M.B., B.Ch.

Scott, W. F., M.B., B.Ch.

Targowsky, I., M.B., B.Ch.

Zion, M. M., M.B., B.Ch.

Assistant Medical Officer

Meyer, Sylvia F., M.B., B.Ch.,
D.P.H.

Medicine, Physical

Haden, H. L., M.B., B.Ch.,
D.Phys. Med.

Chief Specialist (Pt.-time).

Sr. Specialists (Pt.-time)

Adler, C., M.B., B.Ch., D.Phys.
Med.

Lomey, A. L., M.D., Ch.B.,
D.Phys. Med.

Robins - Brown, R., M.D.
Lausanne, D.Phys. Med.

Asst. Specialist (Pt.-time)

Hoffman, S. J., D.Phys. Med.
Asst. in Physical Med. (Tutor-
ial)

Dreyer, Tilly, B.Sc., M.B., B.Ch.,
D.Phys. Med.

First Asst. in Physical Med.
(Pt.-time)

Klass, N. S., M.B., B.Ch. Dub.,
D.Phys. Med.

Neuropsychiatry

Geerling, R., Arts Holland, M.D.,
Amst.

Chief Neuropsychiatrist.

Sr. Neuropsychiatrists

(Pt.-time)

Cox, Alice, M.D., Ch.B. Glas.

Katz, S. M., M.D., Ch.B. Liv.

Neuropsychiatrist

.....

Asst. Neuropsychiatrists

(Pt.-time)

du Toit, F. F., M.B., Ch.B. Edin.

Peskin, M., M.D., B.Ch.

Perk, D., M.B., Ch.B., D.P.M.
Leeds.

Watt, A. C., M.B., Ch.B.

Asst. Neuropsychiatrist

Klass, M.

First Neuropsychiatric Asst.

(Pt.-time)

Reinhold, Frances H., M.B., B.Ch.

Second Neuropsychiatric Asst.

(Pt.-time)

Feldman, M. B., M.B., B.Ch.

Asst. Neuropsychiatric Officers

Barker, Alexandrina K., M.B.,
Ch.B. Edin.

Cooper, H. H., M.B., B.Ch.

Sidley, A., M.B., B.Ch.

Neuropsychiatric Registrars

Cheetham, R. W. S., Ph.D., M.B.,
Ch.B. Cape T.

Frankel, F. H., M.B., B.Ch.

Gillis, L. S., M.B., B.Ch.

Hersov, L. A., M.B., B.Ch.

Rosen, I., M.B., B.Ch.

Shubitz, C., M.B., B.Ch.

Nursing Education

Pietersen, Johanna V., M.B., Ch.B.
Edin., D.P.H.

Hd. of Sub-Dept.

Stephen, Theodora, M.Sc., Ph.D.
(Chem. and Phys.) Lectr.

Macmillan, R. G., M.A., B.Sc. S.A.
(Psychol.) Lectr.

The teaching in this sub-dept. is also contributed to by the staffs of the depts. of Anat., Bacteriol., Clin. Pathol., Educn., Obstet. and Gynæcol., Pharmacol., Physiol., Physiotherapy, Psychol., and Surg. and by the teaching staffs of the Johannesburg General Hospl. and the Nursing Coll.

Obstetrics and Gynæcology

Heyns, O. S., M.A., B.Sc. Cape T.,
D.Sc., F.R.C.O.G.

Prof. and Chief Obstet-
rician and Gynæ-
cologist.

Charlewood, G. P., M.B., Ch.B.
Cape T., F.R.C.S.Ed.

Sr. Obstetricians and Gynæ-
cologists (Pt.-time)

Boyd, A., F.R.C.S.Ed.

Krige, C. F., M.A., B.M., B.Ch.
Oxon., F.R.C.S.Ed.

Schabort, J. W., M.D., B.S. Lond.
Obstetrician and Gynæcologist
(Tutorial)

Daubenton, F., B.Sc., M.B., B.Ch.
Asst. Obstetricians and Gynæ-
cologists (Pt.-time)

Broido, A.

Lavery, D. W. P., M.D.

Peltz, P., F.R.C.S.Ed.

Asst. Obstetrician and Gynæ-
cologist

Shippel, S., M.B., B.Ch.

First Obstetrical and Gynæco-
logical Assts. (Pt.-time)

Cohen, S. Joel, M.B., B.Ch.,
F.R.C.S.Ed.

Culiner, A., M.D. Tor., F.A.C.S.

de la Hunt, N. E. C., M.B.E., M.B.,
B.Ch.

Second Obstetrical and Gynæ-
cological Assts. (Pt.-time)

Hodgman, J., M.A., M.D., B.Ch.

Orford, Margaret, M.B., B.Ch.
Swarbreck, A.

Registrars in Obstet. and Gynæ-
col. (Tutorial)

Evans, W. B. D. I., B.Sc., M.B.,
B.Ch.

Grant, J. F. C., M.B., Ch.B.
Cape T.

Registrars in Obstet. and Gynæ-
col.

Gordon-Grant, M. C., M.B., B.Ch.

Lithgow, D. M., B.Sc., M.B.,
B.Ch., F.R.C.S.Ed.

Neser, F. N., M.B., B.Ch.

Tomlinson, J. R. D., M.B.,
B.Ch.

Ulman, H., M.B., B.Ch.

van Belkum, J. A. M., M.B., B.Ch.
Tutors in Clin. Obstet.

Cohen, J., M.B., B.Ch., D.G.O.
Dub.

Saxton, J., M.B., Ch.B. Edin.

1 Sr. Lab. Technician.

Occupational Therapy

Haden, H., M.B., B.Ch.

Hd. of Sub-Dept.

Barber, Kathleen Lectr.

Grieves, S. S. Craft Instr.

Orthopædics

Edelstein, J. M., M.B., Ch.B.
Edin., M.Ch. Orth. Liv.,
F.R.C.S.Ed.

Chief Orthopædic Surgeon
and Nuffield Lectr. in
Orthop. Surg. (Pt.-
time).

Orthopædic Surgeons

Minnaar, A. B. de V., M.B., Ch.B.
Cape T., M.Ch. Orth. Liv.

Morris, C., M.B., Ch.B. Cape T.
Asst. Orthopædic Surgeons (Pt.-
time)

du Toit, G. T., F.R.C.S.

Moller, C. T., M.B., B.Ch.,
F.R.C.S. Eng. and Ed.

Asst. Orthopædic Surgeon

Craig, J. J., M.B., B.Ch.

First Orthopædic Asst. (Pt.-time)

Sacks, S., M.B., Ch.B. Cape T., F.R.C.S.Ed.

Orthopædic Registrars

Botha, J. F., M.B., Ch.B. Cape T.

Sarkin, C., M.B., B.Ch.

Skea, R. L.

Pathology, v. Bacteriol. and Parasitol., supra

Pathology, Clinical

Stein, H. B., M.Sc., M.B., B.Ch., D.P.H. Actg. Hd.

Ellis, B. C., M.B., B.Ch. Lectr.

Barkham, P., M.B., B.Ch. Lectr.

Pathology, Surgical

Colsen, K., M.D. Berl., M.B., B.Ch. Lectr.

Pharmacology and Therapeutics

Watt, J. M., M.B., Ch.B. Edin.

Prof.

Stephen-Lewis, Florence V., M.Sc.,

M.D. Manc. Sr. Lectr.

de Boer, J. Lectr.

Physiotherapy

Haden, H., M.B., B.Ch.

Hd. of Sub-Dept.

Dreyer, Tilly, B.Sc., M.B., B.Ch.,

D.Phys. Med. Lectr.

Blair, Jean 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.

Preventive Medicine

Cluver, E. H., M.A., M.D.,

B.Ch. Oxon., D.P.H. Lond.,

F.R.San. I. Prof.

Pietersen, Johanna V., M.B.,

Ch.B. Edin., D.P.H.

Sr. Lectr.

Lecturers

Scott-Millar, J. W., M.B., Ch.B., D.P.H. Cape T., D.T.M. & H. (Urban Health Admin.).

Booker, C. G., M.B., Ch.B. Edin., M.D., D.T.M., D.T.H. Liv., D.P.H. (Health Legislation).

Gear, J. H. S., B.Sc., M.B., B.Ch., D.P.H., D.T.M. & H., Dipl. Bact. Lond. (Trop. Med.).

Ordman, D., B.A., M.B., Ch.B. Cape T., D.P.H. (Immunol.).

Amies, C. R., M.D., B.S. Lond. (Epidemiol.).

Mills, K. F. T., M.B., B.Chir. Camb., D.P.H. (Nursing and Hospl. Admin.).

de Meillon, B., D.Sc. (Entomol.).

Fox, F. W., D.Sc. Lond. (Nutrition).

Freed, L. F., M.B., Ch.B. St. And., D.Phil. Pret., D.P.H., D.T.M. & H., F.R.A.I.

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.

Freed, L. F., M.B., Ch.B. St. And., D.Phil. Pret., D.P.H., D.T.M. & H. Lectr.

Gillis, K., M.B., Ch.B. Edin. Lectr.

Wolpe, J., M.D., B.Ch. Lectr.

Frame, M. C., M.B., B.Ch. Clin. Demr.

Radiology

Kaye, J., D.M.R. Cape T.

Chief Radiologist.

Sr. Radiologists

Jackson, H., D.M.R. Cape T.

Komins, C., M.B., B.Ch., D.M.R.
Cape T.

Sr. Radiotherapist

Shapiro, M. P., D.M.R. Lond.,
F.R.C.S.Ed.

Radiologists

Davenport, Margaret E., M.B.,
B.Ch., D.M.R. Cape T.

Findlay, M., D.R. Edin.

Gunn, K. V. O., M.B., B.Ch.,
D.M.R. Cape T.

Meyer, M. J., M.B., B.Ch., D.M.R.
Lond.

Sariff, S. J., M.B., Ch.B. Cape
T.

Zinober, M., D.M.R. Cape T.

Asst. Radiologists

Cohen, L., M.B., B.Ch.

Strasburg, I., M.B., B.Ch. Dub.,
D.M.R. Cape T.

Surgery

Underwood, W. E., O.B.E., M.A.,
M.B., B.Chir. Camb., F.R.C.S.

Prof. and Chief Surgeon.

..... Sr. Professional Asst.
Sr. Surgeons (Pt.-time)

Douglas, J. D., M.B., Ch.B. Edin.,
F.R.C.S.Ed.

McGregor, A. L., M.B., Ch.M.
Edin., F.R.C.S.

Tucker, M. K., M.B., Ch.B. Cape T.,
F.R.C.S.

Surgeon (Tutorial)

Lewin, B., M.B., Ch.B. Cape T.,
F.R.C.S.

Surgeons

Brawn, E. S., F.R.C.S.Ed.

Hamman, J. G. O., M.B., Ch.B.
Cape T., F.R.C.S.Ed.

Kay, S., M.B., Ch.B. Cape T.

Keen, P., M.D. Lausanne.

Kleinot, S., M.B., B.Ch. St. And.,
F.R.C.S.Ed.

Skapinker, S., M.B., B.Ch.,
F.R.C.S.Ed.

Thompson, D. H., M.B., Ch.B.
Birm., F.R.C.S.

Asst. Surgeon (Tutorial)

Theron, P., M.B., Ch.M. Aberd.,
F.R.C.S.Ed.

Asst. Surgeons (Pt.-time)

Dreosti, A. E., M.B., Ch.B. Cape T.,
F.R.C.S.

Trubshaw, W. H. D., F.R.C.S.

Wolfowitz, J., M.B., B.Ch.,
F.R.C.S.Ed.

Asst. Surgeons

Frylinck, J. R., M.B., Ch.M.
Cape T., F.R.C.S. Eng. and
Ed.

Hansen, O., M.B., B.Ch., F.R.C.S.
Ed.

Muskat, D. A., M.B., Ch.M.

Tanne, D., M.B., B.Ch.

First Surgical Assts. (Pt.-time)

Fleming, R. J., M.B., B.Ch.,
F.R.C.S.Ed.

Pencharz, N., M.B., Ch.B. Edin.,
F.R.C.S.Ed.

Trehair, E. B., M.B., B.Ch.,
F.R.C.S.

Second Surgical Assts. (Pt.-time)

Girdwood, W., M.B., Ch.M.,
F.R.C.S. Eng. and Edin.

Mace-David, L., M.B., B.Ch.,
F.R.C.S.Ed.

Zadikoff, I., M.B., B.Ch.

Surgical Registrars (Tutorial)

Southgate, I. G. P., M.B., B.Ch.,
F.R.C.S.Ed.

Wilkinson, A. E., M.B., B.Ch.

Surgical Registrars

Abro, E., M.B., B.Ch.

Bateman, A., M.B., Ch.B. Cape T.,
F.R.C.S.Ed.

de Saxe, B., M.B., B.Ch.

Gaylis, H., M.B., B.Ch.

Knocker, P. H. L., M.B., B.Ch.

Leonsins, A. J., M.B., B.Ch.,
F.R.C.S.Ed.

Louw, E. R., M.B., B.Ch.

Marchand, P. E., M.B., B.Ch.,
F.R.C.S.

- Schack, R., M.B., B.Ch., F.R.C.S.Ed.
 Sher, S., M.B., B.Ch.
 Stein, L., M.B., B.Ch.
 Stein, M., M.B., B.Ch., F.R.C.S. Ed., D.A. Dub.
 Teubes, N., M.B., B.S. Lond., F.R.C.S.Ed.
 Asst. Surgical Officer
 Allen, J. C., M.B., B.Ch.
Thoracic Surgery
 Fatti, L., M.B., B.S. Lond., F.R.C.S.
 Sr. Thoracic Surgeon (Pt.-time).
 Adler, D. I., M.B., Ch.B. Cape T., F.R.C.S.Ed.
 Asst. Thoracic Surgeon (Pt.-time).
Tropical Medicine
 Gear, J. H. S., B.Sc., M.B., B.Ch., D.P.H., D.T.M. & H., Dipl. Bact. Lond. Sr. Lectr.
Urology
 Brayshaw, H. Currie, M.B., Ch.B. Edin., F.R.C.S. Eng. and Ed. Chief Urologist (Pt.-time).
- Konig, C. J., M.B., B.Ch. Urologist.
 Hoffman, S. J., M.B., B.Ch., F.R.C.S.Ed.
 Asst. Urologist (Pt.-time).
 Widrich, E., M.D. Vienna
 First Urological Asst. (Pt.-time).
 Second Urological Assts. (Pt.-time)
 Lipworth, E., M.B., B.Ch., F.R.C.S. Ed.
 Rogoff, I. V., M.B., Ch.B., Cape T., F.R.C.S.Ed.
 Urological Registrar
 Kisner, C. D., M.B., B.Ch.
- Vascular Diseases*
 Second Medical Assts. (Pt.-time)
 Greenstein, J., M.D. Edin.
 Kaplan, I., M.B., Ch.B. Edin.
- Venereal Diseases*
 Sieff, B., M.B., B.Ch.
 Sr. Clin. Lectr. (Pt.-time)
 Asst. Clin. Lectrs. (Pt.-time)
 Frootko, J. J. H., M.D. Berl.
 Robins, A.

ADMINISTRATIVE AND OTHER STAFF

A. de V. Herholdt, B.Com., Asst. Registrar ; F. H. Barnett, H. E. Smith, Asst. Accountants ; R. K. L. Moore, B.Arch., Maintenance Architect.

LIBRARY. P. Freer, B.A. Birm., F.L.A. (Librarian) ; Elizabeth Hartmann, B.A., F.L.A. (Deputy Librarian) ; Mavis E. G. Anderson, B.A. Brist., London Sch. of Librarianship Dip., F.L.A., in charge of Cataloguing and Classification (Assistant Librarian) ; I. Isaacson, B.A., F.S.A.L.A., in charge of Periodicals, Official Publications and Binding (Assistant Librarian) ; Agnes C. Dick, B.Sc. S.A., F.S.A.L.A., in charge of the Witwatersrand Medical Library (Assistant Librarian) ; 10 Assistants.

GENERAL INFORMATION

For early history, see *Yearbook* for 1929, p. 518. In 1921 University College, Johannesburg, was reincorporated as the University of the Witwatersrand, Johannesburg, with effect from March 1, 1922. This development was made possible partly by support from the public, including contributions by the Chamber of Mines (£50,000), Standard Bank of S.A., Nat. Bank of S.A., Central Mining and Investment Corporation, and De Beers 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, 1950, amounted to £1,545,000. LIBRARIES: Central, and several departmental. MUSEUMS: Several departmental.

ASSOCIATED INSTITUTIONS. There are several hospitals as well as the South African Institute for Medical Research in which students of Med. carry out a part of their curriculum.

FACULTIES AND DEANS. Arts, Prof. J. M. Hyslop; Science, Prof. H. Stephen; Medicine, Prof. W. E. Underwood; Engineering, Prof. L. Taverner; Commerce, Prof. C. S. Richards; Law, Prof. H. R. Hahlo; Dentistry, Prof. J. C. M. Shaw; Architecture, Prof. J. Fassler.

DEGREES. B.A., B.Sc., or B.Mus., 3 yrs., Hons. 4 yrs.; B.A. in Logopedics, B.A. in Fine Arts or B.A. in Social Studies, 4 yrs.; M.A. or M.Sc., 1 yr. after Hons. and Thesis; M.Ed., Thesis; B.Com., 3 yrs.; B.Com. Hons., 4 yrs.; M.Com., Examn. and Thesis; B.Sc. (Eng.), 4 yrs.; M.Sc. (Eng.), Thesis; B.Sc. Q.S., 5 yrs.; B.Arch., 5 yrs.; M.Arch., Thesis; LL.B., 3 yrs. (postgrad.); LL.M. Thesis; B.Sc. Physiotherapy, 4 yrs.; M.B., B.Ch., 6 yrs.; B.D.S., 5 yrs.; Ph.D., Thesis (4 yrs.*); M.D., D.D.S., Thesis and, if required, examn. (3 yrs.*); Ch.M., Thesis and examn. (3 yrs.*); D.Sc. (Econ.), D.Arch., Thesis and, if required, examn. (6 yrs.*); LL.D., Thesis and, if required, examn. (7 yrs.*); D.Litt., D.Sc., D.Sc. (Eng.), original published work (6 yrs.*).

DIPLOMAS. Native Affairs; Clinical Pathol.; Anaesthetics; Forensic Med.; Public Health; Tropical Med. and Hyg.; Psychol. Med.; Ophthalmic Med. and Surg.; Physical Med.; Nursing; Midwifery; Social Nursing; Nursing Admin.; Occupational Therapy; Economics of Local Govt. and Pub. Admin.; Pub. Dentistry; Archit.; Quantity Surveying; Town Planning; Certif. in Theory of Accountancy.

COURSES for Teachers' Certificates; Law Certif.; Civil Service Law Examn.; Land Surveying.

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 £375 for 2 yrs.; Witwatersrand Council of Education, 2 of £375 for 2 yrs. and 1 of £250 p.a. for 1 yr.; Ainsworth (Modern Hist.), minimum £250 p.a. for 2 yrs. plus £50 for books, awarded every 3rd yr.; The Anne Cleaver Memorial Fund for Medical Research work; H. B. Webb, £300 for 2 yrs.; Union Government, 2 of £300 p.a. for 2 yrs.; The Mellor, £300 p.a. for 1 yr. or more (Research in Biochem. or in Biophysics); Het Studiefonds voor Zuid-Afrikaanse Studenten, 2 of £150 p.a.; The Automobile Association of South Africa, £250 p.a.; Sir Herbert Baker, £300; Rhodes, £500 p.a.; Elsie Ballot, £400 p.a.; Royal Commission for the Exhibition of 1851, £350 p.a. for 2 yrs.; Cecil John Adams Memorial Trust for Research Scholarships for Medical Graduates (Endowment of £25,000); Red Cross Caledonian Market post-graduate scholarship for African (Bantu) graduates in Medicine (Endowment of £5000). African Explosives and Chemical Industries Ltd., £200 p.a. for 2 yrs.; Chamber of Mines, £500 for 1 yr.; Victor Kark, for research in Anat. (endowment of £1000); James McBride Grant, for res. in Commerce and Appl. Econ. (endowment of £5000); Melanie Pollak, for research or advanced study in Music, £240 p.a. for 1 yr. or more; Rusterholz (Rotary Club of Johannesburg), £50 for 1 yr.; Brush Travelling, in Engin., £260 p.a. for 2 yrs.; G. A. Denny, in Social Relations, £250 p.a. for 2 yrs.; F.B.I., in Engin., £650

* After first degree.

for 2 yrs. ; Toni] Saphra, for women, £250 p.a. for 1 yr. or more ; Wilham Smith Thomas Memorial in Engin. (endowment of £2000).

RESIDENCE. College House and Dalrymple House, Milner Park ; 150 men students ; Fee : £100 p.a. University Residence, Cottesloe, Auckland Park. (Telephone : 31-2712), 400 men students ; "Civilian" students, £96 p.a., ex-Service men, £72. Isabel Dalrymple House, Milner Park ; 120 women students ; £100 p.a. Douglas Smit House, Milner Park ; 30 non-European or African medical students ; £74 p.a.

UNIV. EXTENSION. Public lectures under joint auspices of Univ. and W.E.A. Part-time courses for B.Com. (4 yrs.) and for LL.B. (3 yrs.).

PUBLICATIONS. *Calendar*, 5s. ; *African Studies*, 17s. 6d. ; *S.A. Journal of Medical Sciences*, 21s.

THE YEAR 1950

BENEFACTIONS. C. H. Leon and P. Leon each donated £1000 to Univ. general endowment funds ; in addition, C. H. Leon donated approx. £1000 for provision of accomm. for non-European students at the Univ. Students Residence, Alexandra. The Johannesburg City Council has undertaken to make an annual grant of £3000 for maintenance of a Dept. of Local Govt. and Public Admin. (to be established). The Govt. of Italy has provided funds to establish a Chair of Italian. Grants and donations totalled £56,863, of which £15,523 was for general purposes, £20,871 for bursaries, scholarships, and prizes, and £20,469 for other specific purposes. Members of staff received grants for res. from the S.A.C.S.I.R. totalling £16,080, in addition to £1404 from the National Council for Social Research.

CHANGES IN REGULATIONS. Regulns. approved for introduction of degree of B.Com. with Hons. and for Certif. in Theory of Accountancy. Degree of D.Sc. in the Fac. of Arts and Dipl. in Music abolished. Dipl. in Actuarial Maths. placed in abeyance and courses for Certif. students in Archit. and Quantity Surveying withdrawn.

VISITS OF MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. W. W. Grave, Registry, Cambridge : Graduation Address at June Graduation Ceremony ; Prof. Jackson Knight, "The Universality of Vergil."

RETIREMENTS. Prof. J. D. A. Krige (German)—Chair placed in abeyance ; Prof. A. K. White (Philos.) ; J. B. Andrews (Accountant).

RESIGNATION. Prof. J. Penn (Plastic, Maxillo-Facial, and Oral Surg.).

DEATH. Prof. G. T. R. Evans (Phys.).

OTHER DEVELOPMENTS. The erection began of a new Dental Sch. and Hospl. in the Univ. grounds at Milner Park. The Univ. acquired additional residential accomm. for men students at Cottesloe. Univ. Staff Medical Aid Fund inaugurated.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	857	2635
Women	84	655
Total	941	3290

DEGREES. *Arts*: D.Litt., 1, Ph.D., 1; M.A., 5; B.A. (Hons.), 10; B.A., 130; B.A. Fine Arts, 3; B.A. Logopedics, 8; B.A. Social Studies, 15; B.Mus. (Hons.), 1; B.Mus., 7. *Architecture*: M.Arch., 1; B.Arch., 25; B.Sc. Quantity Surveying, 5. *Commerce*: B.Com., 44. *Dentistry*: B.D.S., 60. *Engineering*: D.Sc. (Eng.), 1; M.Sc. (Eng.), 4; B.Sc. (Eng.), 262. *Law*: LL.B., 4. *Medicine*: M.D., 3; M.B., B.Ch., 171; B.Sc. Physiotherapy, 14; *Science*: D.Sc., 1; Ph.D., 9; M.Sc., 7; B.Sc. (Hons.), 21; B.Sc., 62; B.Sc. Soil Conservation 2.

Diplomas. Anæsthet., 2; Archit., 9; Community Organ., 6; Logopedics, 1; Music, 1; Nursing, 8; Occupational Therapy, 2; Psychological Med., 4; Public Health, 6; Quantity Surveying, 21; Town Planning, 7; Tropical Med. and Hyg., 1.

INDIA

AGRA UNIVERSITY (p. 1070)
ALIGARH MUSLIM UNIVERSITY (p. 1075)
UNIVERSITY OF ALLAHABAD (p. 1081)
ANDHRA UNIVERSITY (p. 1084)
ANNAMALAI UNIVERSITY (p. 1090)
BANARAS HINDU UNIVERSITY (p. 1096)
UNIVERSITY OF BOMBAY (p. 1099)
UNIVERSITY OF CALCUTTA (p. 1110)
UNIVERSITY OF DELHI (p. 1119)
UNIVERSITY OF GAUHATI (p. 1130)
GUJARAT UNIVERSITY (p. 1134)
UNIVERSITY OF JAMMU AND KASHMIR (p. 1138)
KARNATAK UNIVERSITY (p. 1140)
UNIVERSITY OF LUCKNOW (p. 1142)
UNIVERSITY OF MADRAS (p. 1152)
UNIVERSITY OF MYSORE (p. 1163)
NAGPUR UNIVERSITY (p. 1170)
OSMANIA UNIVERSITY (p. 1179)
PANJAB (INDIA) UNIVERSITY (p. 1185)
PATNA UNIVERSITY (p. 1193)
UNIVERSITY OF POONA (p. 1197)
UNIVERSITY OF RAJPUTANA (p. 1202)
UNIVERSITY OF ROORKEE (p. 1207)
UNIVERSITY OF SAUGAR (p. 1209)
UNIVERSITY OF TRAVANCORE (p. 1213)
UTKAL UNIVERSITY (p. 1219)
INDIAN INSTITUTE OF SCIENCE, BANGALORE
(p. 1224)

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 East India Company's Charter in 1853. It was resolved to create a properly articulated system of education from the Primary School to the University. 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 University, established in 1922, has constituent colleges which are not wholly controlled by the University and may perhaps be described as residential and " semi-unitary." Part of the teaching in Delhi is carried on by the Univ. itself. The Patna University Act of 1917, which had established an affiliating University at Patna to meet the needs of the newly created province of Bihar and Orissa, was amended by an Act in 1932 so as to make the constitution correspond with existing conditions. 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) recommended 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, residential, and teaching University. The University of Travancore was founded in 1937 primarily as 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 the Panjab (India), 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 ; the Roorkee University ; the Gujarat University at Ahmedabad ; and the Karnatak University at Dharwar. All of these, except Roorkee, are partly teaching and partly affiliating Universities. Roorkee is the first " Technical " University in India, providing education in Engineering only.

The Review of Growth of Education in British India * by the Auxiliary

* Interim Report of the Indian Statutory Commission, 1929 ; Cmd. 3407. H.M. Stationery Office.

Committee on Education appointed by the Indian Statutory Commission (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." University and College authorities realize the value of corporate life and social activities, and efforts are continually being made to foster and develop these, though there are serious financial and other difficulties.

The Universities are turning out large numbers of graduates who cannot find suitable employment. The Hartog Report had said that " they are overcrowded with men who are not profiting either intellectually or materially by their university training " ; and 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

* 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. 209 ; Cd. 8382. H.M. Stationery Office, 1917.

18 or 19 members, including the Vice-Chancellor and the Director of Public Instruction and members (largely College teachers) elected by the 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 or national 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., 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, and Patna 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, Mysore, Osmania, and Travancore have a 4-yr. course, and Bombay and 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. Roorkee University has 3-yr. courses in Civil, Mechanical, and Electrical Engineering.

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, 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.

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.

HIGHER DEGREES. The M.A. and M.Sc. (for which there are, in some Universities, two exams.) 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.

COST OF LIVING. The cost of living varies in different Universities. In colleges in the smaller towns it may be about Rs. 70 p.m. inclusive of tuition fees, and in the larger cities it may be twice as much or more. Conditions of life vary greatly from place to place and hostel to hostel and no simplified general statement of the cost of living can be given which would be of much practical value.

[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, 1951-52, Lt.-Col. G. S. Mahajani, M.A., Ph.D., Vice-Chancellor of Rajputana 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., 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 : A. M. D'Rozario, Ph.D. Camb. ; Deputy Secretary, R. M. J. Knaster, O.B.E., B.A. Camb. 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. ; Mrs. K. Khan, M.A. Madr. ; M. P. Jain, M.A. Panj. ; I. R. Khan, M.A. Delhi ; N. K. Sundaram, M.A. Madr., B.A. Oxon.

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

Postal Address : Hewett Park, Agra.

Telephone : 748.

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.

ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar, H. S. Seth, M.Sc., LL.B. Asst. Registrar, R. S. Agarwal, B.Com. Office Supt., T. P. Milal, B.Com. Supt. Accounts, K. C. Groyal, B.Com. Supt. Examns., K. B. Asthana, B.A., LL.B. P.A. to Vice-Chancellor, B. P. Jain, B.A., LL.B. Librarian, S. R. Misra, B.Com., Dip. Lib.

AFFILIATED COLLEGES

[M.A., etc., after name of College = teaching up to M.A., etc., standard.]

AGRA, *Agra College*. M.A. ; M.Sc. ; LL.M. Principal and Prof. of *Physics*—N. K. Sethi, D.Sc.

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, *Engineering College*. B.Sc. Eng. Principal—M. C. Bijawat.

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.

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. ; LL.B. Principal—V. V. John, M.A.

ALIGARH, *Barahseni College*. M.A. ; M.Com. ; LL.B. Principal—.....

ALIGARH, *Dharam Samaj College*. B.A. ; B.Sc. Principal—V. G. Jhingan, M.Sc. Luck., B.Ed. Edin.

ALMORA, *D.L.S.G. Degree College*, B.A. Principal—A. D. Pant, M.A.

AZAMGARH, *Shibli National College*. B.A. Principal—S. Sultan, M.A., LL.B.

BALLIA, *Satischandra College*. B.A. Principal—M. L. Misra, M.A.

BARAUT, *D.J. College*. B.A. Principal—P. N. Moulik, M.A., B.L.

BARAUT, *Jat Vedic College*. B.Sc. (Agric.). Principal—S. Singh, M.A.

BAREILLY, *Bareilly College*. M.A. ; M.Sc. ; LL.B. ; M.Com. Offg. 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—H. R. Misra, M.A., D.Litt.

DEHRADUN, *D.A.V. College*. M.A. ; B.Sc. ; LL.B. ; B.Com. Principal—R. N. 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. Offg. Principal—N. N. Mundle, M.A.

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. Offg. Principal—P. Chandra, M.A., Ph.D.

INDORE, *Christian College*. M.A. Principal—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., D.Sc.

JAUNPUR, *T.D.K. College*. B.A. Principal—H. N. Singh, M.A.

JHANSI, *Bundelkhand Degree College*. B.A. Principal—.....

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. ; B.T. 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*. M.A. ; M.Sc. ; B.Com., B.T. 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.Sc. ; M.Com. ; B.T. Principal—
 J. P. Singhal, M.A., Ph.D.

MORADABAD, *K.G.K. College*. M.A. ; M.Com. ; LL.B. Principal—K. P. Mathur, M.A., Ph.D.

MUZAFFARNAGAR, *S.D. College*. B.A. Principal—D. Singh, M.A., LL.B.

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—J. K. Das Gupta, M.A., Ph.D.

SHAHJAHANPUR, *Gandhi-Faiz-Am College*. B.A. ; B.Sc. Principal—M. R. Kidwai, M.Sc. Luck.

SHIKHABAD, *Ahir Kshatriya College*. B.A. ; B.Com. Principal—.....

UJJAIN, *Madhava College*. M.A. ; B.Sc. ; LL.B. Principal—A. M. Dalaya, M.A. Oxon., LL.B.

UNNAO, *Subhas National College*. B.A. Principal—L. N. 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 the latter 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 exams. in 1928.

The usual languages of instruction are English and Hindi.

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.).

FACULTIES AND DEANS. Arts, K. P. Bhatnagar, M.A., LL.B.; Science, N. M. Antani, M.A.; Law, Brijendra Swarup, LL.D.; Commerce, L. C. Tandon, M.A., M.Com.; Agriculture, B. L. Sethi, M.Sc., Ph.D.; Medicine, H. N. Bhatt, M.B., B.S., F.R.C.S., D.M.R.; Veterinary Science and Animal Husbandry, P. G. Pande, M.Sc.; Engineering,

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 Delhi Univ.; or (iv) the pre-engineering Examn. of 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. Educn., U.P.; or (iii) the Intermed. Examn. in Commerce of the Bd. of H. Sch. and Intermed. Educn., 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 Geog. as optional subject; or (v) the Intermed. Examn. of Andhra Univ. with Economics, Commercial Geography, and Accountancy as optional subjects. Candidates who have passed (ii), (iii), (iv), (v), or (vi), the Intermed. Examn. in Commerce of the Nagpur Univ., or (vii), the Intermed. Examn. in Commerce of the Hindu Univ., Banaras, will be exempted from the 1st yr. of the course. LL.B. Graduates in Arts, Commerce, Science, Medicine, Engineering, Veterinary Science or Agric., who complete a regular course of study in a Law Class in an affiliated college for 1 yr., are eligible for admission to the Previous Examn., and after one further yr. to the Final Examn. B.Sc. (Ag.). Candidates must have passed the Intermed. Examn. in Agric. of the Bd. of H. Sch. and Intermed. Educn., U.P., or any other examn. in Agric. recognized by the Univ. as equivalent thereto, and have attended a regular course of study in an affiliated college for two academical yrs. Two examns.—Pt. I and Pt. II. 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. Two examns.—Previous and Final. LL.M. 1 yr.'s course in an affiliated college. One examn.; 2 yrs. after LL.B. Ph.D. Open to Masters after research work for two yrs. and on submission of a thesis. D.Litt., D.Sc. Awarded on basis of an original thesis upon any subject within the Facs. of Arts, Sci., Comm., and Agric. respectively. Open to Ph.D.s or Masters of Arts, Masters of Science, Masters of Commerce, and Masters of Agriculture of at least 5 yrs.' standing. M.D., M.S. Awarded on basis of a thesis and an examn. (written and clinical) on a special subject within the Fac. of Medicine. Open to holders of M.B., B.S. of the Univ. after 3 years of practice of medical profession.

SCHOLARSHIPS. 10 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 mos. (ten mos. 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* (Nov. ; once in 3 yrs.), Rs. 8.

THE YEAR 1949-50

NEW BUILDINGS. New wing added to accommodate examn. dept. It is proposed to build a new Hall for holding Univ. meetings and examns.

NEW DEPARTMENTS AND POSTS. Agra Univ. is purely affiliating and so far has no teaching depts. of its own. However, it is proposed to start postgraduate and Research depts. in some Arts and Sci. subjects ; it is hoped that the Univ. will shortly have its own depts. and teachers in some subjects.

CHANGES IN REGULATIONS. Dipl. Course in Journalism in Hindi and English to be begun. Education introduced for B.A. Examn. and Statistics for B.Sc. degree. Inauguration of a Master's degree in Education under consideration. Dipls. in Child Health, Tubercular Diseases and Ophthalmic Med. and Surg. instituted in Fac. of Med. M.A. Classes in Sociol. started.

UNIVERSITY PRESS. Univ. Press established in Univ. premises.

HONORARY DEGREE. *D.Litt.*—Shree Sampurnanand, Minister of Education, U.P.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2826	14,850
Women	576	
Total	3402	14,850*

* Includes 2706 postgraduate students.

DEGREES. B.A., 2535 ; M.A., 1124 ; B.T., 68 ; B.Sc., 725 ; M.Sc., 123 ; LL.B., 356 ; B.Com., 722 ; M.Com., 221 ; B.Sc. (Ag.), 281 ; M.Sc. (Ag.), 71 ; M.B., B.S., 71 ; M.D., 2 ; M.S., 2 ; Ph.D., 11.

ALIGARH MUSLIM UNIVERSITY

Founded 1920

Postal Address : Aligarh, U.P.

Telephone : 73.

LORD RECTOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

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PRO-CHANCELLOR—NAWAB SAIDUL MULK BAHADUR, DR. HAFIZ MOHD. AHMAD SAID KHAN SAHEB OF CHHATARI.

VICE-CHANCELLOR—ZAKIR HUSAIN 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.*
Ali, S. A. A., M.A., D.Phil. Oxon.
Reader.
Badruddin, M. Lectr.

Botany

Lecturers

Hasan, A., M.Sc. Alld.
Khan, R., M.Sc.
Khan, A. M., Ph.D. Munich, M.Sc.
Ansari, M. S., M.Sc. Luck.
Siddique, K. M., M.Sc. Panj.
Farooq, M., M.Sc.
Abbas, A., M.Sc. Alld.

Chemistry

Farooq, M. O., M.Sc., Ph.D. Alig.
and Lond., D.I.C. Reader.*
Aziz, M. A., Dr.Phil. Berl., B.Sc.
Reader.

Lecturers

Ali, S. B., M.Sc.

Rahman, S. F., M.Sc.
Shahabuddin, S., M.Sc. Patna.
Ahmad, S. S., M.Sc.
Hasan, H., M.Sc.
Husain, I., M.Sc.
Rahman, A., M.Sc. Luck.
Malik, W., M.Sc., Ph.D. Agra.
Rao, Mrs. P. A., M.Sc. Ban., Ph.D.
Lond.
Qureshi, M. M., M.Sc.

Commerce

Shafi, S. M., B.Sc. (Econ.) Lond.,
B.A. Reader.*
Lecturers
Farooqi, Q. H., M.A., B.Com.
Luck.

Rizvi, F. H., M.A.
Hashmi, S. A., M.A.
Ismail, M.

Economics

Ahmad, S. M., M.A., LL.B.*

* Chairman of Dept.

Mujeeb, A.
 Salim, A., M.A.
 Khan, M. S.
 Srivastav, P. P.

Prof.
 Lectr.
 Lectr.

Lecturers
 Yunus, M., M.A., Ph.D., LL.B.
 Ahmad, M., M.Sc.
 Zaidi, R. H., M.Sc.
 Rafiullah, M.A.
 Shafi, M., M.A.
 Anas, M., M.A.
 Raza, S. M., M.Sc.

Education

Rahman, H., M.A., L.T., M.A.
 Birm. Prof.*
 Husain, I., Dip.Ed. Leeds Lectr.
 Khan, M. A. M., M.Ed. Patna,
 Ph.D. Col., M.Sc., B.T. Lectr.
 Khan, F., M., B.A., B.T. Bom.
 Lectr.
 Zaidi, Q. H., M.A., M.Sc., B.T.
 Lectr.
 Ahmad, S., B.A., B.T. Supervisor.
 Shukla, G. N. Supervisor.
 Husain, S.
 Art and Handwork Instr.
 Husain, Y. Physical Instr.
 Sulaimani, I.

Geology

Ganju, P. N., M.Sc., Ph.D.*
 Lecturers
 Rasul, H., M.Sc. Cal.
 Ali, B., M.Sc. Cal.
 Ahmad, N., M.Sc. Patna.

Hindi and Sanskrit

Lecturers
 Shstri, R. S.
 Shukla, G. N., M.A., B.T.
 Rahman, H.

Engineering, v. infra

English

Sarwar, G., M.A. Panj., M.A.
 Leeds Reader.*
 Hosain, S. M., M.A., LL.B.
 Reader.
 Bose, A., M.A. Dacca, D.Phil.
 Oxon. Reader.
 Lecturers
 Ali, M. H., M.A.
 Khan, B. A., M.A.
 Bokhari, F. H., M.A., B.T.
 Khan, S., M.A.
 Ansari, A. A., M.A.
 Naseeruddin, S., M.A.
 Hasan, M., M.A.
 Ahmad, M.
 Rahman, A.

Geography

Ali, S. M., M.A., M.Sc., Ph.D.
 Lond. Reader.*
 Rizvi, S. M. T., B.A., Ph.D. Lond.,
 M.A., LL.B. Reader.

History

Rashid, S. A., M.A., LL.B.
 Reader.*
 Hasan, N.
 Lecturers
 Kureishy, A. W., M.A., LL.B.
 Mustafa, K., M.A.
 Nizami, K. A., M.A., LL.B.
 Rizvi, S. A. A.
 1 Student Asst.

Law

Khusro, M. I., M.A. Camb.
 Reader.*
 Lecturers
 Rahman, H., B.A., LL.B.
 Ali, S. M., B.A., LL.B. Lond.
 Siddiqi, M. H., B.A.
 Khwaja, M. I., B.A., LL.B.
 Ismail, M., B.A., LL.B.
 Pt.-time Lectr.

Mathematics

Basu, N. M., D.Sc. Prof.*
 Shah, S. M., M.A., Ph.D. Lond.
 Reader.

Lecturers

Siddiqi, O. A., M.Sc.
 Gupta, H. C., M.Sc., Ph.D.
 Ozair, M., L.T. Alld., M.Sc.
 Rizvi, A. K., M.A.
 Abbas, S., M.A.
 Omar, S., M.Sc.
 Husain, A., M.A.

Military Science

Ali, S. M., M.A., M.Sc., Ph.D.
 Lond. Reader.*

Lecturers

Khan, M. A. B., M.Sc., Ph.D.
 Kureshy, A. W., M.A., LL.B.
 Hasan, H., M.Sc.

Persian

Hasan, S. H., B.A. Camb., Ph.D.
 Lond. Prof.*

Khan, H. M. H. U., M.A. Prof.

Lecturers

Ahmad, Z.-I., M.A.
 Haziq, M., M.A., LL.B.

Philosophy and Psychology

Umaruddin, M., M.A. Cal., M.A.
 Reader.*

Lecturers

Siddiqi, Z. A., M.A.
 Hasan, I., M.A., Ph.D.
 Nami, Y. B., M.A.
 Moghni, S. M., M.A., LL.B.
 Chowdhary, K. R., M.Sc. Cal.

Physics

Gill, P. S., M.Sc. S. Calif., Ph.D.
 Chic., F.N.I. Prof.*

Ali, S. N., M.Sc., Ph.D. Reader.
 Gupta, S., M.Sc. Calc. Reader.

Lecturers

Ahmad, R., M.Sc. Cal., M.S.E.
 Princet.
 Husain, K., M.Sc.
 Zoberi, S. H., M.Sc.
 Haq, H. E., M.Sc.

Ali, S. A., M.Sc.
 Khan, M. A. B., M.Sc.
 Mohammad, F., M.Sc.
 Farooqi, A. Z., M.Sc.
 Ali, A., M.Sc.

Political Science

Habib, M., B.A. Oxon. Prof.*

Lecturers

Haqqi, A. H., M.A., LL.B.
 Ali, S. N., M.A., LL.B.
 Qidwai, H., M.A.

Tib and Surgery

Latif, A. Reader.*

Ansari, I. H., M.B., B.S. Bom.,
 B.Sc. Lectr.

Rahman, M. S., M.B., B.S. Bom.
 Lectr.

Shah, I. U., M.B., B.S. Panj.
 Lectr.

Ain, N.

Khan, M. Z. Lectr.

Khan, Z. A. Lectr.

Hasan, A. S. Lectr.

Khan, M. N., B.A., B.T.

Haq, M. W.

Rajar, A. H. (Anat.) Demr:

Khan, M. M. R. Sci. Teacher.

Mehi, I. Sci. Teacher.

Urdu

Siddiqi, R. A., M.A. Reader.*

Lecturers

Khan, M. H., M.A., Ph.D.
 Ozair, M., M.A., Ph.D.
 Alvi, Z., M.A., LL.B.
 Islam, K., M.A.
 Jazbi, M. A., M.A.
 Ansari, M. A., M.A.

Zoology

Mirza, M. B., Dr.Phil.nat. Frank-
 furt, B.Sc. Bom.*

Qadri, M. A. H., Ph.D. Camb.,
 Ph.D., D.Sc., F.R.E.S.

Reader.

Khan, M. A. B., M.Sc., Ph.D.	Tofail, M., M.Sc.
Lecturers	Reader.
Alam, S. M., M.Sc., Ph.D.	Aziz, S. A., M.Sc.
	Farooqi, M. M., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES. Theology, Dr. Z. Husain ; Arts, Prof. H. Rahman ; Science, Prof. P. S. Gill ; Engineering, Prof. N. C. Dey.

PROVOSTS. S.S. Hall, S. Majiduddin ; V.M. Hall, Dr. O. Farooq ; Aftab Hall, S. M. Hosain ; Sir Sulaiman Hall, R. A. Siddiqi.

PROCTOR. S. M. Shafi.

PRINCIPALS. Women's College, Mrs. M. J. Haider ; Tibbiya College, A. Latif ; Engineering College, Prof. K. C. Chakko ; Training College, Prof. H. Rehman.

MEDICAL OFFICER. Capt. H. Rahman.

SUPT., BUILDING DEPT. A. Lewis.

COLLEGE OF ENGINEERING AND TECHNOLOGY

Civil Engineering

Chakko, K. C., D.Sc.(Eng.) Lond.,
B.A. Prof.*
Chowdiah, A. M., B.E. Madr.,
M.Sc. (Eng.) Reader.
..... Reader.

Lecturers

Agrawala, J. K., B.E. Roor.
Ansari, M. Y., B.Sc.Eng.
Bari, J., B.Sc.Eng.
.....

Demonstrators

Kazmi, J. A., Dip. Civil Engin.
Roor.
Akhtar, S. K., B.Sc.Eng.

Electrical Engin. : Communication

Birman, G., Dip. Ing., Dip.
Physics Berl. Reader.
Uddin, N. (on leave) Demr.

Electrical Engin. : Power

Saha, N. C., B.Sc. Glas., M.Sc.,
Ph.D. Manc. Prof.*
Durrani, U., B.Sc. Reader.

Lecturers

Bhattacharjee, S. C., B.Sc. Cal.,
B.Sc. Eng. Ban.
Abbas, S. A., B.Sc., B.Sc. Eng.
Offg. Lectr.

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Demonstrators

Sherwani, M. Y. K., L.E.E.
Gupta, N. C., Dip. (Eng.) Cal.

Mechanical Engineering

Dey, N. C., M.Sc. Cal., B.Sc. (Eng.)
Lond. Prof.*

Narasinhham, D. V. Reader,
Lecturers

Husain, S., B.Sc. Eng.

.....

Husain, A., B.Sc. Eng.

Munir, J. A., B.Sc. Eng.

Demonstrators

Srivastava, S. C., L.M.E.
Mukerjee, D. C., B.E. Roor.

.....

* Chairman of Dept.

General

Khan, A. H. Workshop Supt.
 Manchar, R., M.Sc. (Maths.)
 Lectr.

Saxena, B. S., M.Sc. (Maths.) Lectr.
 Singhal, J. P., M.Sc. (Science) Lectr.
 Ali, S. A. Drawing Teacher.

GENERAL INFORMATION

The Mohammedan 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 University proper. The Muslim University School is a feeder to the Univ. 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. The medium of instruction is English.

LIBRARIES. Central Library; 60,800 vols. Departmental Libraries: Philos., 928 vols.; Maths., 2222; English, 1365; Geog., 2718; Econ., 1773; Phys., 1686; Chem., 2537; Bot., 1517; Zool., 1376; Hist., 1187; Educn., 2433; Commerce, 415; Military Sc., 26; Persian, 511; Arabic, 407; Urdu, 1170; Sanskrit, 495; Engin., 2287.

FACULTIES. Arts, Science, Engineering and Technology, Theology. (For Deans, see "Administrative and other Staff," *supra*.)

COURSES. For students who have passed the High School or Matricn. Examn. of an Indian Univ., 2-yr. Inter. course in Arts or Sci., 2-yr. Inter. course in Comm. For students who have passed the Inter. examn. of an Indian Univ., 2-yr. course for B.A. or B.Sc. ord. or B.Com. and 3 yrs. for B.A. or B.Sc. with hons. One yr. for Teaching Certif. Courses leading to M.A., M.Sc., M.Ed., LL.B., B.T. (Bachelor of Teaching), B.Th. (Bachelor of Theology), B.Sc. in Civil, Elect., and Mech. Engin., Bachelor in Unani Tibb and Surg. and Ph.D. degrees are also provided.

Women students are admitted to M.A. classes in certain subjects in addition to B.A., B.T., and M.Ed. classes, and arrangements have been made for their instruction under strict purdah.

DIPLOMAS, ETC. Dipl. Engg.; Inter. (Arts); Inter. (Sci.); Inter. (Comm.) High Sch.

FEES. *Tuition:* Inter. (Arts, Sci., Comm.), Rs. 8 p.m.; B.A., B.Sc., and B.Com., Rs. 10 p.m.; M.A., M.Sc., Rs. 12 p.m.; B.T., Rs. 12 p.m.; M.Ed., Rs. 12 p.m.; LL.B., Rs. 12 p.m.; Ph.D. (Arts and Sci.), Rs. 15 p.m.; B.Sc. Engg., Rs. 25 p.m.; Dip. Engg., Rs. 10 p.m.; B.U.T.S., Rs. 3 p.m.

Examination: Inter. (Arts, Sci., Comm.), Rs. 30; B.A., B.Sc., and B.Com. Rs. 40; M.A., M.Sc., Rs. 25 (Previous), Rs. 35 (Final); B.T., Rs. 30; M.Ed., Rs. 100; LL.B., Rs. 25 (Previous), Rs. 40 (Final); Ph.D. (Arts and Sci.), Rs. 100; B.Sc. Engg., Rs. 25 (first yr.), Rs. 25 (second yr.), Rs. 35 (final); Dip. Engg., Rs. 15 (first yr.); Rs. 20 (second yr.); Rs. 25 (final); B.U.T.S., Rs. 12 (first professl.); Rs. 14 (second professl.); Rs. 17 (third professl.).

SCHOLARSHIPS FOR GRADUATES. Res. Scholp. of Rs. 50 p.m. for Ph.D. in Arabic; 2 Res. Scholps. of Rs. 50 p.m. each in Arts and Science; Sir William Merris Scholp. of Rs. 25 p.m. to best students in the Bachelor's Hons. Degree examns.; 2 scholps. of Rs. 25 p.m. each to students taking up Muslim Hist. or

Muslim Philos. in M.A. class ; 20 scholps. of Rs. 20 p.m. each to students of B.T. class ; 2 scholps. of Rs. 15 and Rs. 10 p.m. each to students in M.A. class ; 1 scholp. of Rs. 20 p.m. in LL.B. Final class ; 2 scholps. of Rs. 25 p.m. to best Hons. Graduate in Arts and Science ; 2 scholps. of Rs. 25 and Rs. 20 p.m. each to students in M.A. Previous class ; 2 scholps. of Rs. 25 p.m. and Rs. 20 p.m. to students of M.Sc. Previous class ; 1 scholp. of Rs. 10 p.m. to student of M.Sc. class ; 3 scholps. of Rs. 25 p.m. in B.Th. Previous class ; 3 scholps. of Rs. 25 p.m. in B.Th. Final class ; 3 scholps. of Rs. 25 p.m. each for M.A. in Arabic. *Fellowships*. 2 for Rs. 150 each p.m. *Studentships*. 2 for Rs. 100 each p.m.

PUBLICATIONS. *Calendar* (published regularly) ; *Prospectus* ; *University Magazine* (English and Urdu).

THE YEAR 1949-50

HONORARY DEGREES. *D.Sc.*—Dr. Arthur H. Compton, Chancellor of Washington Univ., U.S.A. *LL.D.*—Shri Govind Ballabh Pant, Prime Minister of U.P. (India) ; Moulvi Bashiruddin Ahmad, Manager, Islamia Inter. College, Etawah ; Sheikh Abdullah, Advocate and Manager, Muslim Women's College, Aligarh ; Moulvi Haji Muhammad Habibullah Khan, a Foundation Member of the Univ. Court.

DEGREES (1950). M.A., 119 ; B.A. (Hons.), 1 ; B.A., 113 ; B.Com., 21 ; B.T., 65 ; LL.B., 51 ; M.Sc., 29 ; B.Sc. (Hons.), 1 ; B.Sc. (Pass), 105 ; B.U.T.S., 7 ; B.Sc. (Engg.), Electr., Mech., and Civil, 74.

UNIVERSITY OF ALLAHABAD *

Founded 1887

Postal Address : Allahabad 2.

Telephone : 2219.

CHANCELLOR—H.E. SHRI H. P. MODI.

VICE-CHANCELLOR—D. R. BHATTACHARYA, D.Sc., Ph.D.

TREASURER—G. S. PATHAK, M.A., LL.B.

REGISTRAR—K. L. GOVIL, M.A.

ASSISTANT REGISTRAR (ADMIN.)—I. D. CALED, M.Sc., D.Phil.

ASSISTANT REGISTRAR (ACCOUNTS)—K. P. MOHILEY, M.A.

PROCTOR—P. E. DUSTOOR, M.A., D.Litt.

LIBRARIAN—ISHWARI PRASAD, M.A., D.Litt.

TEACHING STAFF

Arabic and Persian

Ahmad, M. G. Z., M.A., Ph.D.

Lond. Offg. Prof.

Hasan, S., M.A., D.Litt. 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.

Agrawala, A. N. Reader.

..... Reader.

Economics

..... 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.

Gupta, M. P., D.Phil. Reader.

History

Saksena, B. P., M.A., Ph.D. Prof.

..... Reader.

Bhatnagar, O. P., M.A. Reader.

Law

Bhattacharya, K. K., M.A., LL.M.

Lond. Prof.

Sastry, K. R. R., M.A., LL.M.

Madr. Reader.

Singh, G. P., LL.M. Offg. Reader.

Sapru, T. N., B.A., LL.B. Reader.

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

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.
 Prasad, B. N., Ph.D., D.Sc. Paris
 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.
 Majumdar, K. Offg. Reader.

Political Science

Prasad, I., M.A., D.Litt. Prof.
 Lal, A. B. Reader.

Russian

Sen-Gupta, S. G. Lectr.

Sanskrit

Saxena, B. R., M.A., D.Litt. Prof.
 Chattopadhyaya, K., M.A. 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.Sc. Offg. Reader.

COLLEGES OF THE UNIVERSITY

AGRICULTURAL INSTITUTE, Naini, Allahabad. Principal—A. T. Mosher, M.Sc. Ill., Ph.D. Chic. (*Telephone*: 2420.)

C. M. P. DEGREE COLLEGE. Principal—J. Sen, M.A.

EWING CHRISTIAN COLLEGE. Principal—S. S. Gideon, M.A., Ed.D. Col. (*Telephone*: 2626.)

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.

M. M. MALAVIYA COLLEGE. Principal—D. P. Shukla, M.A.

GENERAL INFORMATION

Founded in 1887, the Univ. concerned itself mainly with examinations, having no teaching staff (except that of its School of Law) until 1914. Thereafter it established Chairs and Readerships, etc., for research work in Economics and Modern History for graduate students. In Jan. 1922 was passed an Act (which came into operation in July 1922) for the reorganization of the Univ. as a unitary, teaching, and residential institution, with control, however, over the quality and character of the teaching in "Associated" colleges. The Muir Central College became the nucleus of a teaching University, the jurisdiction of which was limited to a territorial area of ten miles' radius from the Convocation Hall of the Univ. Within this area there are six institutions which supplement instruction given in the Univ. The Women's Dept., which undertakes full instruction for the degree course, has now been transferred from the Crosthwaite Girls' College to the Univ. area. From 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, 140,767 vols. Darbhanga Reading Hall. There are also departmental libraries for the use of teachers. A **LABORATORY** is attached to each of the Depts. of Physics, Chem., Bot., Zool. **MUSEUMS** in connexion

with Econ. and Com. Depts. ART COLLECTION : A beginning has been made with a project for an Art Gallery. D. N. Bonarjee of Gola Gokarnnath and others have presented valuable paintings.

English is the usual language of instruction.

FACULTIES AND DEANS. Arts, Prof. A. C. Mukerji ; Science, Prof. A. C. Banerji ; Commerce, Prof. S. K. Rudra ; Law, Prof. K. K. Bhattacharya.

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 Inter. 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 India recognized by the law of the place in which it is situated, and of the Allahabad and Mysore Univs., are recognized.

RESIDENCE. 8 Hostels.

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 ten. 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. 3.8 ; *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 1949-50

BENEFACTIONS. Rs. 241,511.

NEW BUILDINGS. These include new Gas Plant ; Women's Dept. Guest Hse. and Sick Room ; Commerce and Statistics Block ; Banda Rewa Guest Hse. ; Music Dept.

STUDENTS. 4447 (excluding students attending Certif. classes).

DEGREES. B.A. (Pass), 608 ; M.A., 389 ; D.Phil., 21 ; B.Com. (Pt. II), 112 ; M.Com., 56 ; LL.B., 154 ; B.Sc. (Pass), 157 ; M.Sc., 84 ; B.Sc. (Ag.), 44 ; B.Sc. (Ag. Eng.), 17 ; M.Ed., 32.

ANDHRA UNIVERSITY *

WALTAIR

Founded 1926

Telegrams : University, Waltair.

Telephone : 8.

CHANCELLOR—H.E. Commodore SHRI SIR RAOL KRISHNA KUMAR-SINHJI BHAVSINHJI, K.C.S.I., Maharaja of Bhavanagar.

PRO-CHANCELLOR—Hon. Sri B. GOPALA REDDI, Minister for Finance, Govt. of Madras.

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. ;

.....

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.

Upadrashta, V. K., B.A., LL.B.
Reader.

Datta, H. K., M.A. (Com.)
Reader.

Ramanadham, V. V., M.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

Gopal, M. H., M.A., Ph.D. Lond.
Prof.

Sarveswara Rao, B., M.A. Lectr.
Jagannadham, V., M.A., M.Litt.,

B.L. Lectr.
Narasimham, N. V. A., B.A.

Lectr.
Subrahmanya 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.

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

Subba Rao, G., M.A., M.Litt.
Reader.
Viswanadham, K., M.A. Lectr.
Raghavacharyulu, D. V. K., B.A.
Lectr.

French and German

Krishnamachari, S. T., B.A., B.L.
Reader.

History and Politics

Venket Rao, G., M.A., LL.B.
Hd. of Dept. and Prof.
Srinivasan, N., M.A., B.Sc. (Econ.)
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. Hd. of Dept., Prof.
Nagabhushanam, K., M.A., D.Phil.
Reader.
Lakshmanamurty, M., M.A. Lectr.

Satyanarayana Rao, S., B.A.
Lectr.
Lingamurty, G., B.A. Lectr.
Avadhani, T. V., B.A. Lectr.

Oriya

Shodangi, M., Vidya Praveena
Pandit.

Philosophy

Sen, S., M.A., D.Litt., D.Phil.
Hd. of Dept. and Prof.
Lakshmana Rao, A., B.A. Lectr.
Satchidanandamurty, K., B.A.
Lectr.
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, B. S. V., M.Sc.,
Ph.D. Lond. Reader.
Ramachandra Rao, L., D.Sc.
Lectr.
Venkateswarlu, V., D.Sc. Lectr.
Viswanath, G., M.Sc. Lectr.
Rajagopalan, S., M.Sc. Lectr.
Narasimha Sastri, M., M.Sc.
Micro-Analyst.

Geophysics

Sur, N. K., D.Sc., F.N.I.
Hd. of Dept. and Prof.
Rama Rao, B. S., D.Sc. Reader.
Subrahmanyam, V. P., M.Sc.
(Meteorol.) Lectr.
Ramamorti, K. S., M.Sc.
(Meteorol.) Asst. Lectr.
Janakiramayya, B., M.Sc. Demr.

Physical Education

Sudarsana Rao, K., B.A., Dip.
Phys. Educ. Director.

Physics

Raman, Sir C. V., M.A., Ph.D.,
D.Sc., LL.D., F.R.S. Hon. Prof.
Rao, K. R., M.A., D.Sc. Lond.
Hd. of Dept. and Prof.
Bhimasenachar, J., D.Sc. Reader.
Ramanadham, R., M.Sc. Reader.
Narayana Rao, D. A. A. S., M.Sc.
Lectr.
Krishnamurti, B., M.Sc. Lectr.
Rama Krishna Rao, V., D.Sc.
Lectr.
Suryanarayana Rao, K., M.Sc.
Lectr.

Physics, Applied, including Instruments Manufacturing Section

Krishnaswami Chetti, S. T., M.A.
Reader, Hd. of Dept.

Ramasastriy, C., M.Sc.	Lectr.	Rangaswamy, S., M.A., Ph.D.	
Yerrayya Pantulu, V., M.Sc.			Prof.
	Technician and Lectr.	Sitapati Rao, D., B.A., B.Sc.	
<i>Physics, Mathematical</i>		(Engg.)	Reader.
Meenakshi Sundaram, S., M.A.,		Dasa Rao, C. J., B.Sc. (Ag.), M.Sc.	
D.Sc.	Hd. of Dept., Prof.	(Tech.)	Reader.
Venkatarayuda, T., M.A., Ph.D.		Narasinga Rao, M., D.Sc.	
	Reader.		Reader.
Rao, P. S., M.Sc.	Lectr.	Venkateswarlu, A., M.Sc.	Lectr.
Krishnamurti, T. S. G., M.Sc.		Rao, V. S., M.Sc.	Lectr.
	Lectr.	Subramanyam, S. S., D.Sc.	Lectr.
<i>Technology</i>		Narasimhamurty, G. S. R., M.Sc.	
Venkata Rao, C., M.Sc., D.I.C.			Lectr.
	Hd. of Dept. and Prof.		

ERSKINE COLLEGE OF NATURAL SCIENCES

<i>Botany</i>		Doraiswamy, M. S., M.Sc.	Lectr.
Venkateswarlu, J., D.Sc.		Narasingo Sathapathi, M.Sc.	
	Hd. of Dept., Prof.		Lectr.
Seshagiri, P. V. V., M.Sc.	Reader.	Srirama Das, A., M.Sc.	Lectr.
Sundarasiva Rao, B., M.Sc.	Lectr.		
Vankata Rao, C., M.Sc.	Lectr.	<i>Zoology</i>	
Sree Ramulu, T., M.Sc.	Lectr.	Ganapati, P. N., D.Sc.	
			Hd. of Dept., Reader.
<i>Geology</i>		Rao, T. S. S., B.Sc.	Lectr.
Mahadevan, C., M.A., D.Sc.		Nair, K. K., M.Sc.	Lectr.
	Hd. of Dept., Prof.	Dutt, S., B.Sc.	Lectr.

UNIVERSITY COLLEGE OF LAW

Raman, S. V., B.A., M.L.		Satyanarayanamurty, B., B.A.,	
	Prof.	B.L.	Lectr.
Balasubrahmanyam, V., B.Sc.,		Gopalakrishna Sastri, D., B.A.,	
M.L.	Lectr.	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, *Jeypure 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, P. Venkataramiah, M.A., B.Sc. Edin.

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

BEZWADA, *S.R.R. & C.V.R. College*. Principal—M. Raghavacharyula, M.A. 13 other teachers.

BHIMAVARAM, *West Godavari, Bhimavaram College*. Principal—E. Lakshminatha Rao, M.A.

COCANADA, *Pithapur Rajah's College*. Principal—P. Bhadriah, M.A. 61 other teachers.

GUNTUR, *Andhra Christian College*. Principal—T. S. Paulus, M.A., LL.D. 56 other teachers.

GUNTUR, *Hindu College*. Principal—V. Subba Rao, M.A. 36 other teachers.

MASULIPATAM, *Hindu College*. Principal—M. Gourinadha Sastri, M.A., D.Sc. 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. Punniiah, M.A., B.Ed. 27 other teachers.

VIZAGAPATAM, *Mrs. A. V. N. College*. Principal—V. S. Somayaji, B.A. 23 other teachers.

VIZIANAGARAM, *Maharaja's College*. Principal—A. L. Narayan, M.A., D.Sc., F.N.I. 35 other teachers.

AFFILIATED COLLEGES, SECOND GRADE

AMALEPURAM, *Sree K.B.R. College*. Principal—P. Ramachandra Rao, M.A.

CHIRALA, *V.R.S. College*. Principal—T. Rama Rao, M.A., Ph.D.

ELLORE, *Sir C. Ramalinga Reddy College*. Principal—D. S. Subrahmanyam, M.A., B.Ed.

GUDIVADA, *Gudivada College*. Principal—A. F. Thyagaraju, M.A. Lond.

GUNTUR, *Government College for Women*. Principal—Srimathi D. Damodaran, M.A., L.T. 6 other teachers.

- KAVALI, *Kavali College*. Principal—M. Ramanuja Rao Naidu.
- MASULIPATAM, *Andhra Jateeya Kalasala*. Principal—S. T. G. Varadachari, M.A.
- NARASAFUR, *Narasapur College*. Principal—V. Subba Rao, M.Sc., B.Ed.
- NARASARAOPET, *S.S.N. College*. Principal—I. Ranganayakulu.
- NIDISBROLU, *Buchinaidu College*. Principal—Dr. I. S. Peter.
- SRIKAKULAM, *Govt. 2nd Grade College*. Principal—.....
- TENALI, *Tenali College*. Principal—.....

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.
- PONNUR, *Advanced Sanskrit College*. Principal—C. Satyanarayana Sastri.
- RAJAHMUNDRY, *Andhra Women's Sanskrit College*. Principal—B. Kamakshamma.
- TENALI, *Kota Lakshmiah Naidu Sanskrit College*. Principal—K. Subbaramiah, Ubhayabhasha Praveena.
- VIZIANAGARAM, *Maharaja's Music College*. Principal—D. Venkataswami Nayudu.
- VIZIANAGARAM, *Maharaja's Sanskrit College*. Principal—T. Norasimhachari, M.A.

GENERAL INFORMATION

The Act of the Madras Legislative Council constituting the Andhra Univ. "in and for the Telugu districts of the Presidency of Madras" 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 honours 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. Examinations; "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. 59,600 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 1949-50

BENEFACTIONS. Rs. 66,737, bringing the total amount received by the Univ. up to the end of 1949-50 to Rs. 28,29,395.

NEW BUILDINGS. New Schemes under construction—Andhra Univ. Cancellery and Houlana Abdul Kalam Agerd Pharmaceutical Lab.

CHANGES IN STATUTES AND REGULATIONS. Amendments to statutes empowering the Syndicate to appoint a Vice-Chancellor-in-charge in the temporary absence of the Vice-Chancellor, and to those relating to the affiliated colleges. Amendments to reglms. recognizing as research centres: (1) the Nutrition Research Labs.; (2) the Inst. of Palæobotany, for submission of theses for D.Sc. degree; providing for M.L. and D.L. examns.; providing for the study of Geol. under pt. iii of I.Sc. examn.; introducing Basic Educn. for the B.Ed. degree examn.

HONORARY DEGREES. *D.Litt.*—Hon. Sri H. Mahtab. *Kalaprapurna*—Sangita Ratnakara; Sangita Kalanidhi Sri A. V. Naidu.

STUDENTS. Full-time: 910.

DEGREES, ETC. B.A., 532; B.A. (Hons.), 40; M.A., 34; B.Com., 194; B.Com. (Hons.), 15; B.Ed., 103; B.Sc., 404; B.Sc. (Hons.), 62; M.Sc., 34; M.B., B.S., 46; M.S., 2; D.Sc., 5; Ph.D., 1; M.Sc. (by Research), 20; M.A. (Hons.), 1; M.D., 1; D.G.O., 3.

ORIENTAL TITLES. Vidya Praveena, 17; Bhasha Praveena, 45; U.B.P., 1.

ANNAMALAI UNIVERSITY *

Founded 1928; Incorporated 1929

Postal Address : Annamalainagar, Madras Presidency, South India.

Telegraphic Address : University, Annamalainagar.

Trunk Telephone : CDM. 49.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR AND FOUNDER—RAJAH SIR M. A. MUTHIAH CHETTIAR
OF CHETTINAD, B.A.

VICE-CHANCELLOR—R. K. SHANMUKHAM CHETTY, B.A., B.L., D.Litt.

REGISTRAR—A. M. BALASUNDARA MUDALIAR, B.A.

BURSAR—K. P. KANDASWAMI PILLAI.

DEPUTY REGISTRAR—T. D. MINAKCHISUNDARAM, B.A., B.L.

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.
Subba Rao, N. S., M.Sc.

Lecturers

Anantaraman, B.A.
Ramaswami, A., M.A., M.Litt.
Subbiah, A., M.A.

Engineering, v. infra

Chemistry

Baliah, V., M.Sc., Ph.D. Stanf. Prof.

English

Duraiswamy, M. S., M.A. Prof.
Subrahmanya Ayyar, A. C., M.A. Assoc. Prof.

Lecturers

Krishnamurti, S., M.A., M.Sc.
Ramanujam, V. V., M.A.
Shanmuganathan, S., B.Sc.
Ramaswami, P., M.A.
Tiruvengkatachari, V., M.Sc.
Gopalakrishnan, V., B.Sc.
Narasimhan, M. V., M.A., M.Sc.
Ekambaram, A., B.Sc. Demr.
Govindarajan, T. S., B.Sc. Demr.

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.
Venkatanna, G., B.A.
Sitaramiah, K. B., M.A.

Economics

Ramakrishna Ayyar, V. G., M.A. Prof.
Muniswami, M. K., M.A., B.L. Assoc. Prof.

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Venkatarama Ayyar, K. S., B.A., L.T.
Abdus Subhan, S., B.A.
Saroja, Mrs. K., B.Sc.

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

French

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B.L. Lectr.

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M.Litt.
Balasubramanyan, D., M.A.
Tirugnanasambandam, S., M.A. Lectr.

Malayalam

Kochukrishna Kurup, K., Vidvan
Lectr.

Mathematics

Ganapati Ayyar, V., M.A., D.Sc. Prof.
Rangaswami Ayyar, K., M.A.,
Ph.D. Assoc. Prof.

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Guruswami, T. K., B.A.
Ganesan, N., B.A.
Sankaranarayanan, G., M.Sc.
Venkataraman, M., M.A.
Visvanathan, K. N., B.A.
Gopalan, N., B.A.
Krishna, K. S., B.A.

Music

Subrahmanya Pillai, C., Vidvan
Prof.

Lecturers

Sivavadivel Pillai, K. S. (Violin).
Gomati Sankara Ayyar, V. S.
(Vina).
Nilamegam Pillai, R. (Violin).
Vajravelu Mudaliar, P. (Vocal).
Sivasubrahmanya Pillai, T. N.
(Vocal).
Subrahmanya Mudaliyar, M. (The-
varam).
Vaidyalingam Pillai, P. (Vocal).
Gowri Kumari, Miss M. G.
Rajagopal Pillai, M. S. (Vocal).
Ramados Rao (Mridangam).

Philosophy

Ramanujachariar, R., M.A. Prof.
Jesudas, D. I., M.A., M.Litt.

Ramalingam, C., M.A. Lectr.
Lectr.

Physical Education

Govindarajalu, L. K., B.A., B.L
Dir. and Prof.

Assistants

Aiyaru, C.
Venkataramanan, E., B.Sc.
Sabapathy, V., B.Sc.
Kalyanasundarammal, Mrs. C.

Physics

Navanithakrishna, T. P., M.A. Prof.
Viswanathan, R. K., M.A. Assoc. Prof.

Lecturers

Narayanaswami Ayyar, S., M.A.
Sriraman, S., M.A., M.Sc.
Vijayaraghavan, K., M.A., M.Sc.
Sundaram, S., M.A.
Visweswaran, K., M.A.
Tirugnanasambandam, P., B.Sc.
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Govindarajan, M. S., B.Sc.
Kodivanam, R., B.Sc.

Sanskrit

Venkateswaran, C. S., M.A., Ph.D.,
Siromani Assoc. Prof.

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.
Seshadri Acharya, V. K., B.O.L.,
M.A., Vidvan Siromani.

Tamil

Chidambaranatha Chettiar, A.,
M.A., Ph.D. Prof.
Ramanathan Chettiar, L. P. Kr.,
Vidvan, Pandita Assoc. Prof.
Lecturers
Bhuvaraham Pillai, A., Vidvan.
Arunachalam Pillai, M., Vidvan.
Somasundaram Pillai, V. M.,
Vidvan.
Chintamani, K. N., B.O.L.
Shanmugam, M., M.A.
Ramaswami, A., M.A.
John, Miss L. R., M.A.
Muthuswami Pillai, M., Vidvan.
Minakshisundaram, K., B.A.

Tutor.

Research Department

Lecturers

Subrahmanya Pillai, G., M.A.,
B.L., Vidvan.
Varadaraja Ayyar, E. S., B.A.
Sadasiva Pandarathar, T. V.
Vellaivaranam, K., Vidvan.

Telugu

Subbaraghava Kavi, K. V., Vid-
van Lectr.

Urdu and Hindi

Rasool, S. G. Lectr.

Zoology

Seshaiya, R. V., M.A. Prof.
Govindan, P., M.A., Ph.D. Mich.
Assoc. Prof.

Lecturers

Balasubrahmanyam, T. S., M.Sc.
Sankaramurthi, Mrs. P., B.Sc.
Kalyanam, N. P., B.Sc.
Srinivasan, K., B.Sc.

Engineering and Technology*Civil E.*

Venkataramana Raju, P., B.E.
Prof. and Hd. of Dept.
Ramaswami, G. S., M.S., C.E.
C.I.T., B.E. Prof.

Assistant Professors

Krishnamurthy Rao, J., B.A.,
B.E.

Alexander, G., B.Sc., B.E.

Narendranath, S., B.E.

Kannan, M., B.E.

Lecturers

Arumugaperumal Pillai, P.
Sethunarayanan, R. M., B.E.
Rajagopalan, N., M.Sc. (Geol.).
Suryanarayana, D., B.E.
Anandakrishnan, N. A., B.E.
Shaukat Ali, N. K. S., B.E.
Ramachandra Rao, R., B.E.
Ramalingam, V., B.A., B.E.
Narayanan, R., B.E.
Manickavelu Mudaliar, M.

Draughtsman.

Electrical E.

..... Prof.
Balasundaram, V., B.Sc.
Asst. Prof.
Krishnamacharlu, P., B.E., M.Sc.
Calif. Asst. Prof.

Lecturers

Dutt, D. B., B.Sc. (Eng.), M.Sc.
Mich.
Mammon, M., B.E.E.
Chowdry, D. K., B.S.E.E. Wash.
Sarangapani, G. Draughtsman.

Mechanical E.

Bhatia, S. S., B.Sc., B.T., B.Eng.
Sheff. Prof.
Rajaram, C., B.A., B.E.
Asst. Prof.
Srinavasamurti, B., B.Sc., B.E.
Asst. Prof.

Lecturers

Ramamurti, C., B.E.
Saravanaperumal, V., B.E.
Ramalingam, C., B.E.
Bindu Madhava Rao, B., B.Sc.
(Eng.).
Shanmugam, G., B.E.
Xavier, S. Draughtsman.

Technology

..... Prof.

Assistant Professors
 Narayan Das, B., M.Sc. Cal.
 Lakshmanan, S., M.Sc. (Tech.).
 Lecturers
 Adivarahan, P., B.Sc., B.Sc. (Tech.).

Bhimeswara Rao, P., M.Sc. (Tech.).
 Krishnan, S., B.Sc., B.Sc. (Tech.).
 Ganapathy, K., B.Sc.
 Sargunar, A. H., B.A., B.E.,
 (Chem.).

ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HOSTELS. Arts and Science, Prof. V. Baliah ; Engineering and Technology, Prof. S. S. Bhatia. Women's, Mrs. V. P. Kumuthavalli Ammal.

RESIDENT MEDICAL OFFICER. Dr. D. A. D. Nath.

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.

English is the usual language of instruction.

Physical Training is compulsory for all students, and weekly lectures on Physiology, Health, and Hygiene are delivered for their benefit.

FACULTIES AND DEANS. Arts, Prof. R. Sathianatha Ayyar ; Science, Prof. T. P. Navanithakrishna ; Oriental Studies, Prof. A. Chidambaranatha Chettiar (Tamil) ; Engineering and Technology, Prof. P. Venkataramana Raju.

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. By examination : B.A., B.A. (Hons.) ; B.Sc., B.Sc. (Hons.) ; M.A., B.O.L., M.O.L. (Oriental Learning) ; B.Mus. ; B.E. and B.E. (Chem.) ; Research degrees : M.Litt. and M.Sc., Ph.D., D.Litt. and D.Sc.

DIPLOMAS. Titles in Oriental Learning (Vidvan, Pulavar, and Siromani) and Music (Sangita Bushana)—4 yrs.' course in each case. Dipl. in French.

RECOGNITION OF EXAMNS. of other Univs. Examns. of all statutory Indian Univs. are recognized for purposes of admission.

FEES. Tuition, per term. Interm., Rs. 47.8 ; B.A., B.Sc., Rs. 62.8 ; B.Sc. Hons., Rs. 70 ; B.E., B.E. (Chem.), Rs. 72 ; Oriental Titles, Rs. 10. In addition, there are deposit and lab. fees.

LIBRARY. 85,400 vols.

LABORATORIES. Phys., Chem., Bot., Zool., Engin. and Technol. with workshops and arrangements for practical work for all students.

TUTORIAL INSTRUCTION and disciplinary supervision for all students are provided by assigning about 15 students to each member of the staff.

RESIDENCE. (For Wardens, see "Administrative and other Staff," *supra*.) Students are required to live in hostels attached to the University or in approved lodgings recognized by the University. Separate Hostel with a Lady Warden for Women Students.

HEALTH. A Dispensary with an isolation ward is maintained for the benefit of students and staff.

STUDENTS' UNION. Membership open to all students on payment of a fee.

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 yrs.), Rs. 5½ ; *Annual Report* (April) ; *University Journal* (Annual), Rs. 7-8 ; *Students' Handbook* (July), Rs. 1 ; *Students' Magazine* (March), Rs. 1.

THE YEAR 1950-51

BENEFACTIONS. Rs. 2500, A. Harvey, Madura Mills ; Rs. 1500, Sir James Doak, Madura Mills ; Rs. 620, P. N. Rajakrishna Menon ; Rs. 500, A. Navalur Memorial Prize Fund Cttee.

NEW BUILDINGS. Lectrs.' Quarters (4 blocks of 2 hses. each) ; Clerks' Quarters (2 blocks of 5 hses. each).

NEW DEPARTMENTS. Dept. of Agric. in Fac. of Sci. with provision for instruction in Agric. as a Pure Sci. subject of B.Sc. degree standard.

CHANGES IN REGULATIONS. Phys. Educn. became a sep. dept. in Fac. of Arts. Laws revising Univ. teachers' grades and scales of salaries adopted, with effect from July 1, 1950.

RETIREMENT. S. Satchidanandam Pillai, Registrar.

OTHER DEVELOPMENTS. Dept. of Postgraduate Studies and Research to be organized shortly. N.C.C. : An Independent Infantry Co. (Sr. Div.) with a strength of 5 Officers and 154 Cadets and a Signals Unit (Sr. Div.) with a strength of 2 Officers and 60 Cadets sanctioned for the Univ.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	1668
Women	—	105
Total	—	1773

DEGREES. Arts, 139 ; Engineering, 90 ; Oriental Studies, 50 ; Science, 102 ; B.E. (Chem.), 13.

BANARAS HINDU UNIVERSITY *

Founded 1916

Postal Address : Banaras 5, 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

AYURVEDIC COLLEGE. Actg. Principal—M. S. Verma, M.B., B.S.

BHARATI MAHAVIDYALAYA (COLLEGE OF INDOLOGY). Principal—R. C. Majumdar, Ph.D. Lond.

CENTRAL HINDU COLLEGE (KAMACHHA). Principal—K. P. S. Malani, M.A.

COLLEGE OF AGRICULTURE. Principal—J. C. Luthra, Ph.D. Lond.

COLLEGE OF ARTS (C.H.C.). Principal—R. S. Tripathi, M.A., Ph.D. Lond.

COLLEGE OF MINING AND METALLURGY. Principal—D. Swarup, B.Sc., Ph.D. Sheff.

COLLEGE OF SCIENCE. Principal—S. S. Joshi, D.Sc. Lond.

COLLEGE OF TECHNOLOGY. Principal—P. S. Varma, M.Sc.

DEPARTMENT OF LIBRARY SCIENCE. Director—D. Subrahmanyam, M.A.

ENGINEERING COLLEGE. Principal—M. Sengupta, B.Sc., Calc. and Glas.

KALA SANGITA BHARATI (COLLEGE OF MUSIC AND FINE ARTS). Principal—S.M. Pandit O. N. Thakur.

LAW COLLEGE. Principal—G. B. Joshi, M.A., LL.M.

SANSKRIT MAHAVIDYALAYA (COLLEGE OF ORIENTAL LEARNING AND THEOLOGY). Actg. Principal—Pandit Ramchandra Dikshit.

TEACHERS' TRAINING COLLEGE. Principal—H. B. Malkani, M.A. Bom.

WOMEN'S COLLEGE. Principal—Mrs. K. G. Venkateshwaram, M.A.

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

GENERAL INFORMATION

The University was founded in 1916. For early history, see *Yearbook* for 1930.

The University's assets at March 31, 1951, incl. capitalized value of perpetual annual grants, are valued at Rs. 3,43,60,395.

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 Hds. of Colls. 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., Phys., Zool., Bot., Geog., Agric., Geol., Ceramics, Glass Technol., Pharmaceuticals, Mining and Metall. The Engineering College labs. 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 waterworks are also attached to the Coll.

ADMISSION. The Univ. is open to all persons irrespective of nationality, class, creed, religion, or sex. Provision is made for religious instruction and examn. 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 AND DEANS. Oriental Learning, Kali Prasad Misra; Theology, Kali Prasad Misra; Arts, R. S. Tripathi; Science, R. K. Asundi; Technology, P. S. Varma; Law, G. B. Joshi; Medicine and Surgery (Ayurveda), Pandit Satya Marain Sastri; Music and Fine Arts, S.M. Pt. Onkar N. Thakur.

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. Engin. 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, Santiacharya, Sangitamartand.

DIPLOMAS. Mod. European Languages, Library Science, Soap Manufacture, Metal Enamelling, Pottery and Porcelain, Music, Painting, Sculpture, Chinese, Paurohitya, Indian Philos. and Culture, Clinical Psychol.

CERTIFICATES. Statistical Methods, Spectroscopy.

FEES (per annum). I.A., I.Com., Rs. 90; B.A. and B.Com., Rs. 110; M.A. and M.Com., Rs. 140; I.Sc., Rs. 90; B.Sc., Rs. 120; M.Sc., Rs. 145; Research, Rs. 125; I.Sc. (Eng.), Rs. 250; B.Sc. (Eng.), Rs. 250; I.Sc. Mining, Rs. 230; B.Sc. (Mining) and B.Sc. (Metallurgy), Rs. 240; Law (Previous), Rs. 120; Law (Final), Rs. 120; LL.M., Rs. 150; Ayurveda Pravesika, Rs. 100; First Professional Ayurveda, Rs. 100; Second Professional, Rs. 100; Third Professional, Rs. 100; B.Sc. (Agric.), Rs. 180; M.Sc. (Agric.), Rs. 200; I.Sc. Glass and Ceramics, Rs. 180; B.Sc. (Glass, Ceramics, and Industrial Chem.), Rs. 180; M.Sc. (Ceramics, Glass, and Ind. Chem.), Rs. 200; B.Pharm., Rs. 180; M.Pharm., Rs. 200; B.Sc. (Chem. Eng.) Pts. I and II, Rs. 220 each; B.Sc. (Chem. Eng.) Pts. III and IV, Rs. 240 each;

Sangitapraveshika, Rs. 72; Sangita Madhyama, Rs. 96; Sangitalankar, Rs. 120; Sangitacharya, Rs. 144; Fine Arts Section, Rs. 72; Library Diploma, Rs. 90. In the Sanskrit Mahavidyalaya no Hostel or Coll. fee is charged.

FELLOWSHIPS. 3 Holkar Fellowships, each Rs. 3000 p.a., one in each of Facs. of Arts, Sci., and Technol., for studies abroad. 3 Maharaja Sriram Chandra Bhanj Deo Fellowships, Rs. 75 p.m., rising by annual increments of Rs. 5 to Rs. 100, for res. in Sanskrit lang. and lit. in the Univ. 3 Sayyaji Rao Fellowships, Rs. 75 p.m., rising by annual increments of Rs. 5 to Rs. 100, for res. in the Univ. in Indian Civilization and Culture.

SCHOLARSHIPS. 20 for Arts and Sci. students of merit, 20 for Teachers' Training Coll. Numerous other Coll. as well as Endowment Scholps. in every Coll. 15 per cent. of students in each Coll. are given free tuition.

RESIDENCE. Students must 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.

ATHLETIC ACTIVITIES. The Univ. Athletic Asscn. organizes Univ. games and sports. Inter-Collegiate games and Univ. Sports are arranged every year. Individual Colls. through their athletic asscn. provide facilities for all outdoor games and the hostels organize all the indoor games. In addition, facilities for military training are available in the 2nd U.P. Battalion of the National Cadet Corps attached to the Univ.

PUBLICATIONS. *Prospectuses, Annual Reports, Scientific Research Journal* (quarterly), *University Magazine* (quarterly), *Calendar*.

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	6438
Women	—	301
Total	—	6739

Included in the above are approx. 1200 postgraduate students.

DEGREES. B.Sc. (Hons.), 5; B.A. (Hons.), 7; B.A., 476; M.A., 231; Ph.D., 11; D.Litt., 2; B.Ed., 110; M.Ed., 20; B.Sc., 171; D.Sc., 3; B.Sc. (Ind. Chem.), 61; M.Sc. (Ind. Chem.), 26; M.Sc., 60; B.Com., 137; M.Com., 40; B.Sc. (Agric.), 31; M.Sc. (Agric.), 15; B.Pharm., 12; B.Sc. (Glass), 10; B.Sc. (Ceramics), 4; M.Sc. (Ceramics), 3; M.Sc. (Glass), 1; B.Sc. (Eng.), 119; B.Sc. (Min.), 13; B.Sc. (Met.), 31; A.M.S., 40; Shastri, 33; Shastracharya, 18; Vedacharya, 2; LL.B., 77; M.Pharm., 2.

UNIVERSITY OF BOMBAY*

Founded 1857

Postal Address : University Road, Fort, Bombay 1.

Telephone : 31079.

CHANCELLOR—H.E. THE GOVERNOR OF BOMBAY.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—Sir NAVROJI
JEHANGIR WADIA, B.A. Bom. and Camb.

REGISTRAR—S. R. DONGERKERY, B.A., LL.B.

LIBRARIAN—D. N. MARSHALL, M.A., Dip.Lib.

UNIVERSITY TEACHING STAFF

Agricultural Economics

Dantwala, M. L., M.A. Reader.
Lecturers

Desai, M. B., M.Com., Ph.D.

Naik, K. N., M.A., Ph.D.

Chemical Technology

Venkataraman, K., M.A. Madr.,
D.Sc., Ph.D., M.Sc. Tech.
Manc., F.R.I.C., F.N.I.

Mody Prof.†

Shah, K. H., B.Sc. (Tech.), Ph.D.

Res. Asst.

Mankad, L. N., B.Sc., B.Sc. (Tech.)

Singhanee Demr.

Kedare, B. S., B.Sc., B.Sc. (Tech.)

Singhanee Demr.

Chemistry, Colour

Dikshit, V. K., N.S. Brooklyn,
B.Sc. (Tech.) Reader.

Ghaisas, V. V., B.Sc., B.Sc. (Tech.)
Demr.

Chemistry, Inorganic and Physi- cal

..... Lectr.
Bhat, B. G., M.Sc. Demr.

Chemistry of Oils

Rebello, D., Ph.D. Pitt., B.Sc.
(Tech.) Lectr.

Chemistry, Pharmaceutical

Khorana, M. L., B.S. (Pharm.)

Sir Dorabji Tata Reader.

Mody, K. A., B.Sc., B.Sc. (Tech.),
M.S. Mich. Demr.

Civics and Politics

Venkataramangaiya, M., M.A. Madr.

Sir Phirozeshah Mehta

Prof.†

Pratapgiri, R., M.A. (Pol.)

Edwin Montague Lectr.

Colour Physics

Padhye, M. R., M.Sc., Ph.D.

Singhanee Lectr.

Dyeing and Printing

Nabar, G. M., Ph.D. Manc., B.A.,
M.Sc., M.Sc. (Tech.) Prof.

Mhatre, S. H., Ph.D. Manc., M.Sc.
(Tech.), Ph.D., F.T.I. Reader.

Bhujang, K. S., B.Sc., M.Sc.
(Tech.) Tech. Asst.

Kothari, C. B., B.Sc., B.Sc. (Tech.)
Demr.

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

† Hd. of Univ. Dept.

Tawde, G. P., B.Sc., B.Sc. (Tech.) Demr.	<i>Mathematics, Applied</i>
<i>Dyeing, Experimental</i>	Lectr. <i>Oils, Fats, and Soaps</i>
<i>Dyestuffs Technology</i>	Kane, J. G., Ph.D. Wisc., M.Sc. Sir Homi Mehta Reader.
Vakil, C. N., M.Sc. (Econ.) Lond., M.A., F.S.S. Prof.	Srinivasan, B., B.Sc., B.Sc. (Tech.) Demr.
Lakdawala, D. T., M.A., Ph.D. Reader.	<i>Pharmacy</i>
Lecturers	Vangikar, Miss Manik B., B.Sc., M.Sc. (Tech.) Singhanee Lectr.
Samant, D. R., M.A.	
Krishnamurthy, B. V., M.A., Ph.D.	
<i>Economics</i>	<i>Plastics, Paints, and Varnishes</i>
Vakil, C. N., M.Sc. (Econ.) Lond., M.A., F.S.S. Prof.*	Kamath, N. R., B.Sc., B.Sc. (Tech.) Sir Homi Mehta Reader.
<i>Engineering, Chemical</i>	Vyas, S. G., M.Ch.E. Brooklyn, B.Sc. (Tech.) Lectr.
Kane, G. P., Ph.D. Lond., M.Sc., D.I.C. Prof.	Vidwans, D. B., B.A., B.Sc., B.Sc. (Tech.) Sir Homi Mehta Reader.
..... Singhanee Reader.	
Shah, S. M., Ph.D. Lond., B.Sc. (Tech.), D.I.C.	
Singhanee Lectr.	
Agashikar, B. M., B.Sc., B.Sc. (Tech.) Singhanee Demr.	<i>Sociology</i>
Kantan, S. K., B.Sc., B.Sc. (Tech.) Demr.	Ghurye, G. S., Ph.D. Camb., M.A. Prof.*
<i>Engineering, General</i>	Kapadia, K. M., Ph.D. Reader.
Joshi, M. V., B.Sc. (Tech.) Manc., B.E. (Mech. and Elect.)	 Lectr.
Reader.	 Lectr.
Ogale, V. M. Demr.	Desai, A. R., Ph.D. Temp. Lectr.
<i>Foods and Drugs</i>	<i>Statistics</i>
Srinivasan, A., M.A., D.Sc. Madr., F.R.I.C., F.N.I. Reader.	Chakrabarti, M. C., M.Sc. Dacca. Reader.*
Pithawala, H. R., B.Sc., B.Sc. (Tech.), Ph.D. Demr.	Lecturers
<i>Fuel Technology</i>	Rao, K. S., M.A.
Tendolkar, G. S., Ph.D. Sheff., B.Sc. (Tech.) Singhanee Lectr.	Murti, V. N., M.A. Demonstrators
	Bhate, D. H., M.Sc.
	Iyer, H. N., M.Sc.

ADMINISTRATIVE STAFF

Deputy Registrar and Secretary, Universities' Information Bureau, T. V. Chidambaram, B.A. Madr.

* Hd. of Univ. Dept.

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*, Bhulabhai Desai Rd. (Telephone : 40223.) 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. 17 other Profs. and Lectrs.

SCIENCE COLLEGE

BOMBAY, *The Institute of Science* (Govt.), Fort. (Telephone : 25863.) In Science for B.Sc. Principal—M. Prasad, D.Sc., F.R.I.C., F.N.I. 8 other Profs., 6 Lectrs., and 11 Asst. Lectrs.

ART AND SCIENCE COLLEGES

ANDHERI (B.S.D.), *Megji Mathradas College of Arts and Narrondass Manordass Institute of Science*. (Telephone : 86110.) Under the control of Exec. Council of the Bharatiya Vidya Bhavan. In Arts for B.A. and in Science for B.Sc. Principal—V. N. Bhusan, M.A. 27 other Profs. and Lectrs.

BOMBAY, *Elphinstone College* (Govt.), Fort. (Telephone : 24953.) In Arts for B.A. ; in Sci. to Inter. Sci. Principal—N. L. Ahmad, M.A., B.Litt. Oxon. Other Profs. : *Engl.*—C. R. Shah, M.A. ; Mrs. Lilla Wagle-Dhume, B.A. Camb., M.A. ; M. V. Rajadhyaksha, M.A. ; Mrs. Kamal Wood, M.A., B.Litt. Oxon. *French*—S. P. Taraporwala, M.A., LL.B. *Sansk.*—R. P. Kangle, M.A. ; N. J. Shende, Ph.D. *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., M.A., LL.B. ; H. K. Paranjpe, M.A. ; B. K. Apte, M.A. ; J. P. De Souza, M.A. *Statistics*—V. B. Kamath, B.Sc. Lond., M.Sc. *Marathi*—M. A. Karandikar, Ph.D. 42 others.

BOMBAY, *Government Law College*, Fort. Principal—S. G. Chitale, M.A., LL.B. 13 other Profs. and Lectrs.

BOMBAY, *Grant Medical College* (Govt.), Byculla. (Telephone : 70922.) 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*—H. I. Jhala, M.D. 2 Assoc. Profs., 6 Full-time Lectrs., 28 Teachers, 37 Tutors, 16 Full-time Demrs., 6 Pt.-time Demrs.

BOMBAY, *Jai Hind College and Basantsing Institute of Sciences*, 24 Pedder Rd. (Telephone : 41486.) In Arts for B.A. ; in Sci. for B.Sc. Subsid.

* A number of Colls. previously affiliated are now under the jurisdiction of the Univs. of Poona, Karnatak, Baroda, and Gujarat.

Principal—T. M. Advani, M.A., LL.B. Vice-Principal—G. G. Kewalramani, M.A. 39 other Profs. and Lectrs.

BOMBAY, *Khalsa College*, Matunga. (Telephone : 60534.) In Arts for B.A., and in Sci. for B.Sc. Founded by Sikhs and managed by Shiromani Gurdwara Parbandhak Committee of Amritsar, East Panjab. Principal—D. S. Sodhi, M.A. Michigan. 37 Profs. and Lectrs.

BOMBAY, *Ramnarain Ruia College*, Matunga. (Telephone : 60298.) 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. Bhavé. *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. *Educn.*—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*, Lakhamshi Napoo Rd., Matunga. (Telephone : 60868 ; Cables : Podcomcol.) Under the control of the Shikshana Prasarak Mandal. 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. *Acc'ty.*—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, *Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomull Science College*, Bandra. In Arts for B.A., and in Sci. for B.Sc. Principal—K. M. Kundanani, M.Sc. 30 other teachers.

BOMBAY, *St. Xavier's College*, Cruickshank Rd. (Telephone : 21247.) Principal—Rev. M. M. Balaguer, Ph.D., D.D. Lond. Profs. : *Philos.*—Rev. M. M. Balaguer, D.D., Ph.D. Lond. *Marathi and Pali*—N. K. Bhagwat, M.A. *English*—M. F. Colaco, M.A., LL.B. *French*—Rev. J. Duhr, Ph.D., D.D. *Sanskrit*—Rev. A. Esteller, M.A., Ph.D., D.Phil. *Sociol.*—Rev. P. Gisbert, Ph.D., S.T.L., B.A., Lic. Phil. et Lit., Ph.D. (Sociol.). *Hist.*—Rev. H. Hereas, M.A. *Latin*—Rev. J. Humbert, B.A. Lond. *Gujarati*—M. M. Jhaveri, M.A. *Hindi*—S. S. Naithani, M.A. *Persian and Urdu*—S. M. Sayeed Reza. *Econs. and Politics*—Rev. J. Sanmarti, Ph.D., B.Sc. (Econ.), Ph.D. (Econ.) Lond. *Educn.*—Rev. A. Solagran, M.A., Ph.D. *Maths.*—Rev. L. Vion, L. ès. Sci. Paris. *Microbiol.*—J. V. Bhat, M.Sc., Ph.D. *Caius Research Lab.*—Col. S. S. Bhatnagar, M.D., Ph.D., F.R.C.P. *Chem.*—Rev. J. M. Corbella, M.Sc. M.I.T., D.L. Dub., B.Sc. (Engin.), B.Sc. (Textile), B.A. Barcelona. *Geol.*—A. S. Kalapesi, B.A., B.Sc., Ph.D. Lond., D.I.C. *Zool.*—D. M. Munshi, M.Sc. *Phys.*—Rev. R. Fafael, Ph.D., D.D., D.Sc. *Bot.*—Rev. H. Santapau, B.Sc., Ph.D. Lond., D.I.C., F.L.S. 19 other Profs., 9 Asst. Profs., 21 Lectrs., 29 Demrs., and 19 Fellows.

BOMBAY, *Secondary Training College* (Govt.), Cruickshank Rd. Trains graduates in Arts and Science for B.T. Principal—Miss S. Panandikar, M.Litt. Camb., M.A., Teacher's Dipl. Lond. 9 other Profs. and Lectrs.

BOMBAY, *Seth G. S. Medical College* (Munic.), Parel. (Telephone : 60497.) 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, 46 Lectrs. and Hon. Lectrs.

BOMBAY, *Siddharth College*, Albert Bldg., Fort. (Telephone : 34897.) Under the control of the People's Education Soc. Chairman of Soc.—B. R. Ambedkar, Ph.D. Col., D.Sc. (Econ.) Lond., M.A. In Arts for B.A. and in Sci. for B.Sc. Principal—V. S. Patankar, M.Sc., Ph.D. Vice-Principal—H. R. Karnik, M.A., Ph.D. 48 other Profs. and Lectrs.

BOMBAY, *Sir Currimbhoy Ebrahim Memorial Dental College* (Govt.), Byculla. (Telephone : 71103.) In Medicine for B.D.S. Principal—D. P. Sethna, F.R.C.S.Ed., Profs. of Dentistry—H. P. Moolgaonkar, M.B., B.S., F.D.S.R.C.S., and K. L. Shourie, B.Sc., M.B., B.S., M.D.S. Panj., M.Sc. Madr., Ph.D. Rochester. 14 other Teachers.

BOMBAY, *Sydenham College of Commerce and Economics* (Govt.), 90 Hornby Rd., Fort. (Telephone : 23488.) 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. Developt. and Admin.*—V. C. Shah, M.Com. 18 other Lectrs. and Instrs.

BOMBAY, *Topiwala National Medical College* (Munic.), Byculla. (Telephone : 41883.) In Med. for M.B., B.S. Principal—S. G. Vengsarkar, M.D. 44 other Teachers.

BOMBAY, *Veterinary College* (Govt.), Parel. (Telephone : 61180.) In Technology for B.Sc. (Vet.). Principal—S. R. Chadha, B.Sc. Panj. Other Profs. : *Pathology*—K. R. S. Aiyar. *Animal Husbandry*—F. S. Khambata, B.Ag., B.Sc. *Medicine*—S. P. Deshpande. 2 other Profs., 7 Asst. Profs., and 7 Lectrs.

BOMBAY, *V.J. Technical Institute*, Matunga. (Telephone : 60438 ; Telegrams : Vijetinst.) In Technology for Bachelor of Textiles, B.E. (Mech. and Elect.) and B.E. (Civil). Principal—P. N. Joshi, M.Sc. (Tech.) Other Profs. : *Textile Manufactures*—..... *Mech. Engin.*—B. Sengupta, B.Sc. (Eng.). *Elect. Engin.*—P. K. Kelkar, Ph.D. Liv. *Civil Engin.*—V. H. Acharya, B.Sc. Edin. 10 other Asst. Profs. and 50 Lectrs.

BOMBAY, *Wilson College*, Chowpatty. (Telephone : 41595.) In Arts for B.A. and in Science for B.Sc. Principal—Rev. J. Kellock, M.A., D.D. Glas. Profs. : *Chem.*—P. M. Barve, M.Sc. ; B. N. Acharya, M.Sc., Ph.D. *Hist.*—Elizabeth G. K. Hewat, M.A., B.D., Ph.D. Edin. ; Rev. D. M. Kennedy, M.A. Dub. ; K. M. Mathew, M.A. *Engl.*—R. D. Choksi, M.A. ; J. C. Daruvala, M.A. ; J. Lyle, B.A. Dub. *French*—B. M. Mehta, M.A. *Gujarati*—P. K. Shah, M.A. *Marathi*—W. L. Kulkarni, M.A. *Maths.*—D. B. Wagh, 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. ; S. N. Gajendragadkar, M.A., Ph.D. *Botany*—J. P. Kotwal, M.Sc. Nag., Ph.D. Camb. *Zool.*—C. J. George, Ph.D., D.I.C. Lond. *Econ.*—Rev. J. Kellock ; T. B. Desai, M.A. *Geog.*—G. M. Marathe, M.Com. 30 other Teachers.

JOGESWARI (B.S.D.), *Isma'il Yusuf College* (Govt.), (Telephone : 86088.) In Arts for B.A. and in Sci. up to Inter. Principal—G. C. Bannerjee, M.A. Oxon. 27 other Profs. and Lectrs.

GENERAL INFORMATION

Bombay University was established in 1857, but until the passing of the Indian Universities Act of 1904, the function of this University, in common with the others, was limited to examining candidates and arranging for the courses of study which led up to its degrees. Under the Act of 1904, it acquired the right of organizing teaching, arranging for Univ. extension lectures, and of publishing such works as were necessary for the direct educational work it was to carry on. By the Act of 1928, the constitution of the Univ. was considerably altered. By reducing the proportion of the nominated to the elected members in the Senate, and by throwing open the Senate to the representatives of a larger variety of interests, the Act of 1928 ensured the independence of the Univ. for all practical purposes, and made the Univ. a more popular and representative institution than it had been. Under the new Act, the executive functions of the Univ. are carried on by the Syndicate, and most of the academic work is looked after by the Academic Council.

One of the main ideas underlying the Univ. Act of 1928 is that the Univ. should directly conduct postgraduate teaching and res. in all branches of learning. The Univ. has accordingly arranged for postgraduate instruction and research through its own depts. as well as through the teachers in affiliated colls. and recognized postgraduate institutions, recognized as Postgraduate Teachers of the Univ. The Univ. School of Economics and Sociology was started in 1919 with Prof. Patrick Geddes as the first Prof. The Univ. Dept. of Chemical Technology was established in 1934 with the help of donations from generous philanthropists. The Univ. Depts. of Statistics, and of Civics and Politics, started functioning during the year 1948-49. The Dept. of Civics and Politics formed part of the Sch. of Econ. and Sociol.

As far as undergraduate education is concerned, the Univ. is an affiliating Univ. Before the establishment of the Univ. of Sind and of regional Univs. in Bombay State, the jurisdiction of this Univ. extended over the whole of the former Province of Bombay and Sind. The Univ.'s jurisdiction is now confined to the limits of Greater Bombay, and the Univ. is to be reconstituted in the near future in view of the establishment of regional Univs. in Bombay State.

CONSTITUTION. The Senate is the supreme Governing Body of the Univ. The executive govt. is vested in the Syndicate. The other authorities of the Univ. are the Facs., the Bd. of Postgraduate Studies, and the Bds. of Studies in the various Facs. The Bd. of Postgraduate Studies controls the whole of instruction and res. in the Univ., including what is done in this direction in the Colls. affiliated to the Univ. and in other Postgraduate Institutions.

The Univ. Dept. of Chem. Technol. is located in its new bldgs. at Matunga, Bombay 19 (Telephone : 61308). The Sch. of Econ. and Sociol. (including the Dept. of Civics and Politics) and the Dept. of Statistics are housed in the S. Wing of the main Univ. bldgs.

FACULTIES AND DEANS. Arts (incl. Educn.)—K. R. Gunjikar ; Science—Principal B. B. Deshpande ; Technology (including Agric., Chem. Technol., Engin., and Vet. Sci.)—G. A. Kamtekar ; Law—K. M. Jhaveri ; Medicine—Dr. T. M. D'Souza ; Commerce—Sir Vithal N. Chandavarkar.

ADMISSION. The minimum qualifn. for admission to courses in the Facs. of Arts and Sci. is the passing of the Entrance Examn., the S.S.C. Examn. of the S.S.C. Examn. Bd., Bombay State (if passed in prescribed subjects with 35 per cent. marks in each subject), the Matricn. Examn. of any statutory Univ. in the Indian Union, or an Examn. recognized as equivalent to the Entrance Examn. (A list of recognized Examns. is published in the *Handbook*, Pt. II.)

The following overseas qualifns. are recognized for the purpose of entrance : Oxford and Cambridge School Certif., Matricn. Certif. of South African Jt. Matricn. Bd. (if examn. passed with English, an additional lang., hist. or geog., maths., and one other subject, or if passed in any five or more subjects but with credits in at least four of them at the same examn.), London Univ. Matricn. Certif. (if examn. passed in English, an additional lang., hist. or geog., maths. and one other subject, or if passed in First or Second Div.), Rangoon Univ. Matricn. Certif. Overseas qualifns. not included in the reglns. will be considered on their merits.

Admission to Univ. courses of study for the Bachelor's degrees in Engin. and Med. is granted only to those who have passed the Univ. Inter. Sci. Examn. or other equivalent examn. of a recognized Univ. or Bd. in specified groups of subjects. The minimum qualifn. for admission to the LL.B. degree course is the passing of the Inter. Arts or Comm. Examn. or a degree examn. in any other Fac. of the Univ. or equivalent examns. of another Univ. Admission to courses of study for higher degrees is granted, under certain conditions, to graduates of this, or of any other recognized, Univ.

The usual language of instruction is English.

DEGREES AND DEGREE COURSES. B.A. (General) and (Special) ; B.T. ; B.Sc. ; B.E. (Civil) and B.E. (Mechanical and Electrical) ; B.Sc. (Agric.) ; B.Sc. (Tech.) in the following branches : (1) Textile Chem., (2) Chem. Engin., (3) Food Technol., (4) Technol. of Intermediates and Dyes, (5) Technol. of Plastics, (6) Technol. of Pigments, Paints, and Varnishes, (7) Technol. of Oils, Fats, and Waxes, (8) Technol. of Pharmaceuticals and Fine Chemicals ; B.Text. ; B.Sc. (Vet.) ; B.Chem.Eng. ; LL.B. ; M.B., B.S. ; B.D.S. ; B.Sc. (Medical) ; B.Com.

HIGHER DEGREES. M.A. ; M.Ed. ; M.Sc. ; M.E. (Civil, Mech., or Electr.) ; M.Sc. (Tech.) ; M.Sc. (Agric.) ; LL.M. ; M.D. ; M.S. ; D.Hy. ; M.Sc. (Medical) ; Ph.D. ; D.Litt. ; D.Sc.

DIPLOMAS. Dipl. in Teaching (T.D.) ; Dipl. in Librarianship. *Postgraduate Medical Diplomas*—Dipl. in Public Health (D.P.H.) ; Dipl. in Ophthalmol. (D.O.) ; Dipl. in Anæsthesia (D.A.) ; Dipl. in Laryngol. and Otol. (D.L.O.) ; Dipl. in Medical Radiol. and Electrol. (D.M.R.E.) ; Dipl. in Pædiatrics (D.Ped.) ; Dipl. in Psychological Med. (D.P.M.) ; Dipl. in Venereol. and Dermatol. (D.V.D.) ; Dipl. in Tubercular Diseases (T.D.D.) ; Dipl. in Forensic Med. (D.F.M.).

RESEARCH. There are ample facilities for research. Teachers from affiliated colleges, where facilities for res. are available, are recognized for supervising students working for Univ. research degrees. The following institutions are recognized by the Univ. as Postgraduate Research Institutions, and certain members of their staffs have been recognized as Postgraduate Teachers of the Univ. : Indian Agricultural Research Inst., New Delhi ; Indian Veterinary Research Inst., Izatnagar ; Bharatiya Vidya Bhavan, Bombay 7 ; Indian Inst. of Science, Bangalore 3 ; Inst. of Plant Industry, Indore ; Indian Dairy Research Inst., Bangalore ; Tata Inst. of Fundamental Research, Apollo Pier Rd., Bombay 1 ; Anjuman-i-Islam Urdu Research Inst., Bombay 1 ; Indian Inst. of Education, Bombay 1 ; Haffkine Inst., Bombay 12 ; Tata Memorial Hospital, Bombay 12.

The Univ. awards a few res. scholps. and fellowships to deserving res. students in its depts., and a few res. studentships and grants to its graduates every yr. for the encouragement of res.

FEES. Rates of tuition fees in affiliated Colls. vary according to nature of courses taught. Full information obtainable from Principals. Fees for Univ. postgrad. courses in the School of Econ. and Sociol. are Rs. 110 per term. Fees in the Univ. Dept. of Chem. Technol. : for B.Sc. (Tech.), and B.Chem. Eng. courses, Rs. 200 (per term). Fees for research students, Rs. 100 per term. Dept. of Statistics—Rs. 125 per term.

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. ; nine 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 ; ten Singhanee Fellowships of Rs. 100 each p.m. for 1 yr., and subsidized Research Fellowship available in the Univ. Dept. of Chemical Technology ; two Research Fellowships of Rs. 100 each in the Univ. Dept. of Statistics ; 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 ; 15 Univ. Research Scholps. in the Univ. Sch. of Econ. and Sociol. ; 8 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. ; Harish-

chandra 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.

The UNIVERSITIES' INFORMATION BUREAU collects and furnishes information to students regarding Indian and foreign Univs. and other educational institutions, and helps graduates to secure admission to Univs., etc., in foreign countries.

LIBRARIES. The main University Library, established 1869, under the Premchand Roychand Benefaction (Rs. 4,00,000 and 100,000 volumes) possesses to-day more than 500 MSS. in Arabic, Persian, and Urdu, and about 5000 in Sanskrit. An endowment has recently been received for the purpose of gathering Gujarati MSS., rare books, incunabula, etc., for the "S. V. Shukla Memorial Collection." *Departmental Libraries*—Univ. Sch. of Econ. and Sociol.—approx. 30,000 vols. ; Univ. Dept. of Chem. Technol.—more than 8000 vols. in English and German ; Univ. Dept. of Statistics—approx. 890 vols., as well as many important journals.

HOSPITALS AND LABS. RECOGNIZED BY THE UNIV. Hospls. and Labs. attached to Grant Medical Coll. ; Cama and Allbless Hospls. ; Bombay Municipal Lab. ; Gokuldas Tejpal Hosp. ; Hospls. and Labs. associated with Seth Gordhandas Sunderdas Med. Coll. ; Nowrosjee Wadia Maternity Hospl., Parel, Bombay ; Sir Currimbhoy Ebrahim Memorial Dental Hospl. ; Bai Jerbai Wadia Hospl. for Children, Parel, Bombay ; Haffkine Inst. ; Bai Yamunabai Nair Hospl. attached to Topiwala National Med. Coll. ; Sir Hurkisandas N. Hospl., Girgaum, Bombay ; St. George's Hospl.

The UNIVERSITY PRESS was established in 1948 and carries out most of the Printing work of the Univ.

PUBLICATIONS. *Univ. Handbook, Pt. I* (Almanac and names of members of various Univ. Authorities), annual ; *Univ. Handbook, Pt. II* (Statutes, Ordinances, and Reglns., including examn. syllabuses) ; *Univ. Handbook, Pt. III* (Text-books) ; *Univ. Handbook, Pt. IV* (Reglns. relating to Scholps., etc.) ; *Calendar* (lists of graduates and successful examn. candidates) ; *Journal of Univ. of Bombay* ; *Bombay Univ. Bulletin* (3 times per yr.), Rs. 3 annually.

STUDENT RESIDENCES. There is a small Univ. Hostel. Individual colls. are also required to provide, by the terms of their affiliation, hostel accomm.

for a fair number of their students. A Univ. Hostel, designed to accommodate 148 students, is being built at Matunga on the grounds of the Univ. Dept. of Chem. Technol.

NATIONAL CADET CORPS (SR. DIVISION). Two Battalions of the Sr. Div. of the N.C.C. are attached to the Univ., as are also these other N.C.C. units : Engineering Platoon ; Battery Unit ; Medical Unit ; Air Squadron.

STUDENT ATHLETIC FACILITIES. The Univ. Bd. of Sports organizes the sports activities of the Univ. Inter-Collegiate Sports are arranged every yr. Individual colls. also provide facilities for indoor and outdoor games.

STUDENTS' UNIONS. There is a Students' Union in the Univ. Sch. of Econ. and Sociol. The students of the Univ. Dept. of Chem. Technol. have formed "The Technological Association."

THE YEAR 1949-50

The Univ. was asked by the Govt. of Bombay to state its views about the organization of the Univ., which had become necessary because of the emergence of the various regional Univs. in Bombay State. The views of the Univ., as approved by Senate, were submitted to the Govt. during the course of the year. Subsequently, the Govt. appointed a cttee., presided over by the Vice-Chancellor of the Univ., to submit to it a report and a draft bill for the reconstitution of the Univ. The Cttee. has now submitted its report and the Univ. is to be reconstituted in the near future.

BENEFACTIONS. Rs. 10,700 from friends of late S. V. Shukla for creation of separate section for Gujarati Lang., Lit., Hist., and Culture in Univ. Library ; Rs. 10,500 from Secs., Dr. C. S. Patel, "At Home Function Cttee." for award of gold medal, to be called the "Dr. Chunibhai Shankerbhai Patel Gold Medal in General Medicine," to best candidate in Med. at M.D. examn. Rs. 10,500 from Secs., Dr. C. S. Patel "At Home Function Cttee." for award of gold medal, to be called the "Dr. Chunibhai Shankerbhai Patel Gold Medal in General Surgery," to the best candidate in General Surg. at M.S. Examn. Rs. 10,000 from R. Jethabhai for scholp., to be called the "Late Pratapsingh Ranchhoddas Jethabhai Memorial (Commerce) Scholarship," to be awarded annually to the best candidate at the Inter-Comm. Examn. who proceeds to Univ. B.Com. course with Accounting and Auditing as his special subjects. Rs. 15,000 by I.S.S. towards construction of a recreation hall or for provision of a library and reading room for Univ. Students' Hostel. Capital grant of Rs. 9,50,000 from Indian Ministry of Educn., for bldg. and equipment, and annual recurring grant of Rs. 1,00,000 for expansion of Univ. Dept. of Chem. Technol. Also an interest-free loan of Rs. 2,29,000 for construction of a hostel sanctioned by Govt. of India.

NEW BUILDINGS. Additions made to Labs. of Dept. of Chem. Technol. and construction of separate workshop bldg. completed.

NEW POSTS. The following posts were created in the Dept. of Chem. Technol. in implementation of the Govt. of India expansion scheme : Prof. of Textile Chem. ; Prof., Chem. Engin. ; Reader in Food Technol. (in lieu of the post of lectr. in Foods and Drugs) ; Reader in General Engin. (in lieu of the post of Singhanee Lectr. in General Engin.) ; Lectr. in Chem. of Oils ; Lectr. in Technol. of Paints and Varnishes ; Lectr. in Inorg. and Phys. Chem. ; Demr. in Textile Chem. ; Demr. in Oils, Fats, and Soaps ; Demr. in Paints and Varnishes.

NEW DEGREES. B.Arch. ; B.Sc. Nursing ; B.Sc. Medical ; M.Sc. Medical.

PRINCIPAL CHANGES IN REGULATIONS. M.A. courses of Study in Hist., Econ., Pol. and Sociol. revised. Ordinances and Reglins. relating to M.D. and M.S. Degrees revised. The M.D. can now be taken in any one of six branches and the M.S. in any one of four branches.

In view of this revision, registration for the following dipl. courses has been stopped : Pædiatrics ; Tubercular Diseases ; Ophthalmol. ; Laryngol. and Otol.

VISITS OF MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. E. Lindeman, New York Sch. of Social Work, Columbia Univ. : " Strength and Weakness in American Culture " ; Dr. Ruth C. Wright, Dean of Students, City Coll. of Bus. and Civic Admin., New York ; V. K. Ayyappan Pillai, Prof. of English, Presidency Coll., Madras ; Wilson Philological Lectures on " The Heritage of English " ; Prof. D. Englehardt : " Recent Advances in Biochemistry " ; Prof. H. F. Mark : " Polymer Research " ; Prof. Sir Robert Robinson : " Organic Research " ; Prof. F. Joliot.

RETIREMENTS. Dr. N. A. Thoothi (Sociol.), V. V. Sayana (Agric. Econ.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	24,523
Women	..	5,012
Total	..	29,535

Included in the above are 2016 postgraduate students and 9025 first-year admissions.

DEGREES. B.A., 1973 ; M.A., 267 ; B.T., 207 ; T.D., 84 ; M.Ed., 28 ; B.Com., 821 ; M.Com., 15 ; B.Sc., 1195 ; M.Sc., 123 ; B.Sc. (Agri.), 68 ; M.Sc. (Agri.), 1 ; B.E., 211 ; B.Sc. (Tech.), 71 ; M.Sc. (Tech.), 10 ; B.Text., 8 ; B.Sc. (Vet.), 29 ; LL.B., 327 ; LL.M., 6 ; M.B., B.S., 272 ; M.D., 33 ; M.S., 8 ; D.O., 3 ; D.P.H., 1 ; D.A., 4 ; D.Ped., 7 ; D.V.D., 5 ; B.D.S., 17 ; D.M.R.E., 3 ; Ph.D., 43 ; Dipl. in Librarianship, 31.

UNIVERSITY OF CALCUTTA*

Founded 1857

Postal Address : Senate House, College Street, Calcutta.

Telegrams : University Calcutta.

Téléphone : B.B. 207-10.

CHANCELLOR—H.E. THE GOVERNOR OF WEST BENGAL.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—Hon. Justice
S. N. BANERJEE, M.Sc., LL.B.

PRESIDENTS, POSTGRADUATE COUNCILS—*Arts*—Prof. S. K. CHATTERJI,
M.A., D.Lit. Lond.; *Science*—Prof. S. Bose, M.Sc.

REGISTRAR—S. DUTTA, D.Sc., D.I.C., F.N.I.

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

Chattopadhyay, 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.

Bardhan, J. C., D.Sc. Calc. and
Lond. G. P. Singh Prof.

Commerce

..... Prof.

Economics

Niyogi, J. P., M.A., Ph.D. Lond.

Prof.

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

English

Bhattacharyya, M. M., M.A.,
LL.B., Ph.D.

Sir G. D. Banerjee Prof.

History and Culture, Ancient Indian

Raychaudhuri, H. C., M.A., Ph.D.
Carmichael Prof.

Kramrisch, Stella, Ph.D. Prof.

History and Culture, Islamic

..... Prof.

History, Mediæval and Modern Indian

Banerjee, I., M.A., Ph.D.
Asutosh Prof.

Indian Languages, Modern

Banerjee, S. K., M.A., LL.B.,
Ph.D. R. Lahiri Prof.

Islamic Studies

Siddiqi, M. Z., M.A., LL.B., 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.
Acharyya B. N. Sil. Prof.

Pali

Dutt, N., M.A., LL.B., 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.

POSTGRADUATE TEACHERS IN ARTS. *Economics*, 24; *English*, 13; *French*, 3; *History*, including *History and Culture, Ancient Indian*, 32; *Islamic History and Culture*, 11; *Mathematics, Pure*, 12; *Modern Indian Language*, 17; *Sanskrit*, 21; *Pali*, 7; *Persian and Arabic*, 8; *Philology, Comp.*, 4; *Philosophy*, 19; *Political Science*, 17; *Psychology*, 11; *Anthropology*, 8; *Commerce*, 21.

POSTGRADUATE TEACHERS IN SCIENCE. *Botany*, 16; *Chemistry*, 20; *Chemistry, Applied*, 25; *Geology*, 9; *Mathematics, Applied*, 13; *Physics*, 17; *Physics, Applied*, 13; *Physiology*, 13; *Zoology*, 14; *Statistics*, 7; *Geography*, 10; *Radio-Physics and Electronics*, 6.

UNIVERSITY LAW COLLEGE. Principal—P. N. Banerjee, M.A., LL.B., LL.D., D.Litt.; and 23 Professors.

ADMINISTRATIVE AND OTHER STAFF

Offg. Asst. Registrar, P. Banerjee, B.A. Offg. Addl. Controller of Examns., D. Dutt, M.A. Asst. Controller of Examns., K. Raychandhuri, M.A., LL.B.

Audit Officer, N. Majundar, B.Sc., F.S.S. Offg. Librarian, P. Bose, B.A. Offg. Supt., Univ. Press, S. Kanjilal, B.Sc., Dip. Print. Manc. Sec., Welfare Cttee., A. N. Chatterjee, M.B., B.S. Sec., Students' Advisory Bureau (overseas), S. K. Dutt, M.A. Oxon. Curator, Asutosh Museum of Fine Arts, D. P. Ghosh, M.A.

AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

[I.A., I.Sc., B.A., M.A., B.Sc., M.Sc., B.Com., etc.=affiliated up to Interim. Arts, Interim. Sci., B.A., M.A., etc., standard.]

AGARTALA, *Maharaja Bir Bikram College*. B.A., B.Com., I.Sc.

AHARBELMA, *Syamsundar College*. I.A., I.Sc.

AMTA (HOWRAH), *Ramsaday College*. I.A.

ARAMBAGH, *Netaji Mahavidyalaya*. 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., I.Sc.

BANKURA, *Bankura Christian College*. B.A., B.Sc.

BANKURA, *Sammilani College*. I.Sc.

BASIRHAT, *Basirhat College*. I.A.

BELGACHIA, *R.G. Kar Medica College*. I.Sc., M.B., B.S., D.G.O., 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.

BOLPUR, *Bolpur College*, I.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*. M.B., B.S.

CALCUTTA, *Central Calcutta College* (Govt.). B.A., I.Sc.

CALCUTTA, *Charuchandra College*. B.A., B.Com., I.Sc.

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., B.S., D.O.M.S.

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., B.S., D.O.M.S.
 CALCUTTA, *National Medical Institution*. M.B., B.S.
 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., LL.B.
 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., B.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.
 HUGHLI, *Women's College*. B.A.
 JALPAIGURI, *Anandachandra College*. B.A., I.Sc.
 JANGIPUR, *Jangipur College*. I.A., I.Sc.
 JHARGRAM, *Agricultural College*. I.A., I.Sc., I.Sc. (Ag.).
 JIAGANJ, *Sripatsingh College*. I.A., I.Sc.
 KALIMPONG, *Scottish Universities Mission College*. I.A.
 KALNA, *Kalna College*. I.A., I.Sc.
 KATWA, *Katwa College*. I.A., I.Sc.
 KHARAGPUR, *Kharagpur 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.
 NABADWIP, *Vidyasagar College*. B.A., I.Sc.
 NAIHATI, *Rishi Bankimchandra College*. B.Com., 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*. B.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 organization of the Universities of Calcutta, Madras, and Bombay. In pursuance of that despatch the University of Calcutta was incorporated on Jan. 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 Sept. 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 to 1914 and again from 1921 to 1923.

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 Khairia. 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 1950 amounted to Rs. 1,99,16,432. During the same period private benefactions amounted to Rs. 1,10,34,870.

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., Applied 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.

The usual Language of Instruction is English.

FACULTIES AND DEANS. Arts, Prof. K. N. Mitra; Science, Prof. M. N. Saha; Law, Sir R. Mitter; Medicine, Sir L. Banerjee; Engineering, H. P. Bhaunik.

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.Sp.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; Diploma in Industrial Health; Diploma in Child Health; Diploma in Town and Regional Planning; Diploma in

Languages ; Certificate in Tanning ; Certificate in Military Studies ; Certificate in Applied Psychology ; Certificate in Languages.

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 Jagadisachandra 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 242,600 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*, 1924-32 and 1915-23, each Rs. 5; *Calcutta Review*, monthly, annual subsn., Rs. 7-8 inland, 14 shillings foreign; *Journals of Depts. of Letters*, vols. i. to xxxiii., Rs. 6 each, vol. xxxiv., Rs. 5; *Journal of the Dept. of Science*, vols. i. to x., Rs. 4-8 per vol.; New Series, vol. i., Part I, Rs. 6 per vol., and Rs. 2 each part; vol. i., No. 2, Rs. 2; vol. i., No. 3, Rs. 2; vol. ii., No. 1, Rs. 2; Sir Asutosh Mookerjee Silver Jubilee volumes—vols. i., ii., and vol. iii. in 3 parts, Rs. 11-4 each; *Bulletin of Math. Society*, etc. Other publications (over 600 vols.) on Ancient Indian Culture, History, Philosophy, Law, Economics, Mathematics, Language, Education, and Science. Catalogue of University Publications may be had on application to the Registrar.

THE YEAR 1949-50

BENEFACTIONS. For Scholarships, medals, etc., Rs. 49,345 (including Rs. 25,00 from Dr. H. C. Mookerjee, Rs. 10,210 from Dr. K. C. Basin, Rs. 6,000 from S. M. Bose; the first for addition to the corpus of his 3rd endowment, making it Rs. 50,000, the second for creation of lectureships and the third for the award of a monthly scholp. to girl students.

CHANGES IN REGULATIONS. The following new courses of training have been introduced: Certificate and Diploma in Languages.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. T. M. Harris, Prof. of Bot., Univ. of Reading. Dr. P. Gourau, Prof. of Trop. Geog., Collège de France and Brussels Univ.

RESIGNATION. C. C. Biswas, Vice-Chancellor, on appt. as Minister of State in Govt. of India.

DEATHS. Sir B. L. Mitter, former Chancellor. W. C. Wordsworth, sometime Principal of Presidency College. S. Bose, Ordinary Fellow from 1927 to 1932. Dr. D. N. Chakrabarti, Principal of Surendranath College. Dr. B. Ghosh, Lectr. in Sanskrit and Comp. Philol. in Univ. Postgraduate Dept. Dr. D. R. Bhandarkar, Carmichael Prof. of Anc. Indian Hist. and Culture, 1917-36.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	40,876
Women	..	5,265
Total	..	46,141

Included in the above are 2054 postgraduate students.

DEGREES, ETC. B.A., 1074; B.Com., 1039; B.T., 245; D.Litt., nil; D.Phil., 8; M.A., 500; B.E., 98; B.Met., 5; B.L., 155; D.L., nil; M.L., nil; Dip. Diet., 5; D.G.O., 15; D.M.C.W., 5; D.O.M.S., 2; D.P.H., 39; M.B., 353; M.D., 2; M.E. (Pub. Health), 10; M.O., 1; M.S., 3; B.Sc., 1016; Cert. in Appl. Psychol., 4; Cert. in Tanning, 2; D.Phil., 19; D.Sc., 1; Dip. in Soap Technol., 4; M.Sc., 178.

UNIVERSITY OF DELHI †

Founded 1922

Postal Address : Delhi 8.

Telegraphic Address : University, Delhi.

Telephone : 6478, 6497.

CHANCELLOR—THE PRESIDENT, UNION OF THE REPUBLIC OF INDIA.

VICE-CHANCELLOR—S. N. SEN, M.A., Ph.D., D.Litt.

HON. TREASURER—S. RATNAM.

REGISTRAR—T. P. S. IYER, M.A.

DEANS—*Arts*—R. BEHARI, M.A., Ph.D., Sc.D.; *Science*—R. C. MAJUMDAR, Dr.Phil.Nat. Jena; *Law*—L. R. SIVASUBRAMANIAN, B.A., M.L.; *Medical Sciences*—R. VISWANATHAN, B.A., M.D., T.D.D.; *Education*—A. N. BASU, M.A. Lond., M Ed.; *Agriculture and Forestry*—T. J. MIRCHANDANI, M.Sc., Ph.D.; *Social Sciences*—V. K. R. V. RAO, M.A., Ph.D., D.Litt.

LIBRARIAN—S. D. GUPTA, M.A.

APPOINTED (*) AND RECOGNIZED TEACHERS OF THE UNIVERSITY, for classes above Intermediate standard. Teachers other than those specifically named as Professors and Readers are Lecturers of the University.

(S.), (H.), (R.), (D.), (C.), (HR.), (Nir.), (I.), (M.) denote St. Stephen's, Hindu, Ramjas, Delhi, Shri Ram College of Commerce, Hansraj Colleges, Nirmala Colleges, Indraprastha College for Women, and Miranda House (Univ. Coll. for Women) respectively. (N.), (Ag.), (Edu.), (DSE.), (SW.), (LHMC.), and (LI.) denote College of Nursing, Central College of Agriculture, Central Institute of Education, Delhi School of Economics, Delhi School of Social Work, Lady Hardinge Medical College, and Lady Irwin College respectively.

Agriculture

Mirchandani, T. J., M.Sc., Ph.D.
Reader.

Singh, J., Ph.D. Wales.

Sircar, S. M., M.Sc., Ph.D. Lond.,
D.I.C.

Rao, W. V. B. S., M.Sc., Ph.D.

Singh, S., B.Sc. Panjab, Ph.D.
Corn.

Kathavate, Y. V., Ph.D.

Badola, J. R., B.Sc.

Singh, G.

Randhawa, G. S., M.Sc. Panj.,
M.S.A. Tor., Ph.D. Mich.

Gera, S. D., M.Sc.

Makhijani, H. J., B.Sc.

Mathur, K. S., B.Sc.

Chowdhry, S. L., M.A., B.Sc.

Mehta, R. K., B.Sc.

Iswaran, V., M.Sc.

Pruthi, H. S., M.Sc.

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

Chandra, R., B.Sc.
 Mehta, S. C., M.Sc.
 Nath, N., B.Sc.
 Dureja, G. D., B.Sc.

Anthropology

Biswas, P. C., M.Sc. Calc., Ph.D. Berl. Reader.*
 Lecturers
 Raj, Mrs. Hilda, M.A., L.T.*
 Mookerjee, Mrs. Freda, M.Sc., Ph.D.*

Arabic

Fariq, K. A., M.A., Ph.D. (D.).

Bengali

Choudhuri, N. N., M.A. (R.).
 Chatterjee, A., M.A. (D.).

Botany

Maheshwari, P., D.Sc. Prof.*
 Readers
 Chinoy, J. J., M.Sc., Ph.D., D.I.C.*
 Johri, B. M., D.Sc.*
 Lecturers
 Nanda, K. K., M.Sc., Ph.D. Bom.*
 Tandon, S. L., M.Sc.*
 Narayanaswami, M.Sc.*
 Sanwal, B. D., M.Sc.*
 Mukherjee, S. K., M.Sc.*
 Venkatesh, C. S., M.Sc.*
 Singh, V. P., M.Sc.*
 Garg, O. P., M.Sc. (D.).
 Chorra, Mrs. Naima, M.Sc. (LI.).

Chemistry

Seshadri, T. R., M.A., Ph.D.* Prof.
 Bhatnagar, S. S., D.Sc., F.R.S. Hon. Prof.
 Mitra, R. P., D.Sc.* Reader.
 Jain, B. D., Ph.D.* Reader.
 Lecturers
 Saharia, 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.*
 Khosla, B., M.Sc.*
 Sreeramamurthy, V. V., D.Sc.*
 Pakajamony, Miss K., M.Sc.*
 Narsimhachari, N., Ph.D.*
 Mathur, H. B., M.Sc.*
 Thiruvengadam, T. R., M.Sc.*
 Research Assistants

Gupta, S. R., M.Sc.*
 Krishnamurthy, M., M.Sc.*
 Jain, A. C., M.Sc.*
 Varadarajan, S., 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.).
 Narula, J. N., M.Sc. (R.).
 Suri, S. P., M.Sc. (D.).
 Kumria, R. L., M.Sc. (D.).
 Sehgal, J. M., M.Sc. (D.).
 Soni, P. L., M.Sc. (HR.).
 Multani, R. K., M.Sc. (HR.).
 Puri, Miss Bimla, M.Sc. (LI.).
 Bhatt, Mrs. Indra N., M.Sc., M.S. (LI.).

Commerce and Geography

Vaish, J. N., M.A. (C.).
 Shandilya, L. M., M.A., B.Com., LL.B. (C.).
 Shukla, M. C., B.A., B.Com. Birm. (C.).
 Sadanah, K. L., B.A. Lond., M.A. (C.).
 Gupta, R. K., M.Com. Alld. (C.).
 Sahai, V., B.A. (C.).
 Sud, P. L., B.A., B.Com. (C.).
 Gupta, C. B., M.A., B.Com. Agra (C.).
 Kapoor, M. C., M.Com. Agra (C.).
 Grewal, T. S., M.A. (Com.) (C.).
 Gautam, J. K., M.Com. Alld. (C.).
 Ghose, P. K., M.Com. (R.).
 Bhattacharya, M. K., M.A. Calc. (D.).
 Maskin, B. S., M.A. (D.).

Economics

Rao, V. K. R. V., M.A., Ph.D. Camb., D.Litt.* Prof.

- Ganguli, B. N., M.A., Ph.D. Calc.* Prof.
 Dhar, P. N., M.A.* Lectr.
 Pant, J. K., M.Com.* Lectr.
 Patil, H. S., M.A.* Res. Asst.
 Nag, K. C., M.A. Calc. Reader (S.).
 Ray, N. C., M.A. Dacca (S.).
 Ghose, D. C., M.A., Ph.D. Panj., M.Sc. Lond. (S.).
 Talwar, O. P., M.A. (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.).
 Shukla, M. C., B.A., B.Com. Birm. (C.).
 Kaul, S. N., M.A. (C.).
 Narain, R., 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.Sc. Lond. (C.).
 Chaudhuri, N. R., M.A. (D.).
 Krishna, R., M.A. (D.).
 Mark, I. R., M.A. (D.).
 Maskin, B. S., M.A. (D.).
 Narain, D., M.A. (H.R.).
 Dempsey, Rev. Father B., M.A., Ph.D. (Nir.).
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 Bose, Miss M., M.A., B.T. (I.).
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- Education*
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- Pires, E. A., M.A., Ph.D. Bom., M.A. (Educn.) Lond. (Edu.).
 Roy, P. K., M.A. Calc., B.Ed. (Edu.).
 Chowdhury, K. P., M.A. Dacca, B.T. Calc., M.A. (Educn.) Lond. (Edu.).
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Home Econ.	(LI.).
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Panjabi

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Persian and Urdu

Abedi, A. H., M.A. (S.).
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Kothari, D. S., M.Sc., Ph.D. Hon. Prof.
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Kichlu, P. K., D.Sc.* Prof.
Kapoor, P. L., M.Sc., Ph.D. Camb.* Reader.
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Gulati, H. R., M.Sc. (HR.).
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	Reader (S.).	Moses, Dorothy, M.A., B.T.	
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Kaul, K. N., M.A., M.O.L. Panj.	(H.).	Bhatt, Mrs. D., M.S.	(SW.).
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CONSTITUENT COLLEGES

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DELHI, *Delhi College*, Ajmeri Gate. Pre-medical, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.Sc., M.A. Principal—M. M. Begg, M.A.

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GENERAL INFORMATION

The University was established by the Delhi University Act (Act VIII of 1922). The three existing men's Colleges in Delhi—St. Stephen's Coll., Hindu Coll., and Ramjas Coll.—were recognized as Colls. of the Univ. and their teachers as Univ. teachers. The Univ. began to function with the Facs. of Arts and Science; the Fac. of Law was instituted in 1924.

The original idea of Govt. and Legislature was the establishment and incorporation of a unitary teaching and residential Univ. on the model recommended, in the case of Dacca, by the Calcutta Univ. Commission, and it was expected that such a Univ. would be developed gradually within five yrs. But this could not be achieved. The Univ. continued to recognize several colls.

in which instruction was provided under prescribed conditions and in which provision was made for residence of students. Although the Univ. had been freed from the defects of a purely affiliating institution, it had given its constituent colls. ample scope to develop their resources in co-operation with each other and with the Univ. From 1933, when the Univ. was given a permanent home in the Old Viceregal Lodge, and plots of land in the Estate earmarked for the constituent colls., the idea of a federal Univ. gradually took shape. Both the Govt. of India and the Univ. authorities intended that the Univ. should be transformed into one of the federal type, in which each constituent coll. should be prepared to forgo some measure of its autonomy in order to share in, and contribute to, the life and govt. of the Univ. as a whole.

The last decade has witnessed rapid growth and development of the Univ. When Sir Maurice Gwyer became Vice-Chancellor he submitted a five-yr. programme of development to the Govt. of India, which they accepted. The Govt. promised a grant of Rs. 37½ lakhs during 1943-48. With the aid of these grants, the Univ. instituted Professorships in Econs., Hist., Maths., Phys., Chem., and Bot., and the number of Readers and Lectrs. was also increased. The Univ. was also able to construct a number of new bldgs.

Postgraduate courses, limited to M.A. in the earlier years, were extended to other subjects. Owing to the large influx of population after 1947, the number of students has increased considerably and new Colls. have been started. The Delhi Sch. of Econ. and the Sch. of Social Work have become recognized institutions preparing students for the M.A. Degrees in Econ. and Social Work respectively.

The Univ. also accepted the extension of the degree course from 2 yrs. to 3 yrs. as part of the reconstruction scheme for Higher Sec. educn. in Delhi. The scheme includes *inter alia* : the abolition of the Inter. Examn., the extension of the High School Course by one yr. (*i.e.* extension from 10 to 11 yrs.), and the institution of a 3-yr. degree Course in the Univ.

To implement this idea an Act (Act No. XXIV of 1943) to amend Act VIII of 1922 was passed by the Central Legislature. The amending Act *inter alia* provides for the appointment of a whole-time paid Vice-Chancellor and has revised the Constitution of the Cttee. of Selection concerned with appt. and recognition of teachers. Teachers employed by the Colls. are "recognized" by the Univ. Such teachers can impart instruction only in approved subjects. All recognized teaching in connexion with courses of study is under Univ. control.

CONSTITUTION. The Vice-Chancellor is the principal executive and academic officer of the Univ. The following are the principal Univ. authorities : the COURT, consisting of about 160 members ; the EXECUTIVE COUNCIL, which is the executive body of the Univ. It consists of about 35 members and controls and administers Univ. property and funds ; the ACADEMIC COUNCIL is responsible for the maintenance of standards of instruction, education, and examn. within the Univ. It advises the Executive Council on all academic matters. Each FACULTY, subject to the control of the Academic Council, has charge of the teaching, courses of study, and research work in such subjects as may be assigned to it by the Ordinances.

FACULTIES AND DEANS. *Arts*—Prof. R. Behari ; *Social Sciences*—Prof. V. K. R. V. Rao ; *Science*—Prof. R. C. Majumdar ; *Law*—Prof. L. R. Sivasubramanian ; *Medical Sciences*—Dr. R. Viswanathan ; *Agriculture and Forestry*—Dr. T. J. Mirchandani ; *Education*—A. N. Basu.

ADMISSION. Students are not eligible for admission to a degree course unless they have passed the Inter. Examn. of an Indian Univ. incorporated by

any law for the time being in force, or the Higher Sec. Examn. of the Bd. of Higher Sec. Educn. for Delhi Province, or an examn. recognized as equivalent, and also possess any further qualifn. required. Candidates for admission must be 16 or, if admitted to the 2nd yr. of a degree course, 17 yrs. of age.

DEGREES. B.A. Pass, and Hons. ; M.A. (Lib. Sc.), M.A. ; B.Com. ; M.Com. ; B.Sc. Pass and Hons. ; B.Sc. (Hons.) in Nursing ; B.Sc. (Home Sci.) ; M.Sc. ; LL.B. ; B.C.L. (Hons. Course) ; LL.M., LL.D. ; B.Ed. ; M.Ed. ; B.Sc. (Hons.) in Agric. ; M.B., B.S. ; Ph.D.

DIPLOMAS AND CERTIFICATES. Certificate of Proficiency (2 yrs.), and Dipl. in Russian (3 yrs.) ; Dipl. in Tuberculous Diseases ; Dipl. in Library Sci. (1 yr. postgraduate).

FEES. Minimum tuition fees payable for 12 mos. : Undergraduate courses, Rs. 15 p.m. ; postgraduate courses, Rs. 18 p.m. Fees for residence and cost of living vary from Rs. 60 to Rs. 75 p.m.

ENGLISH is the medium of instruction in the Univ. for all degree courses except in the Modern Indian Langs. Course, where the Lang. concerned is used.

NON-MEMBERS OF THE UNIV. The Dean of a Fac. may permit a non-member of the Univ. to attend one or more courses of Univ. lectures or practicals on payment of the prescribed fees.

SCHOLARSHIPS AND FELLOWSHIPS. Entrance scholps. of Rs. 100 p.m. each, instituted under the All India Scheme, awarded annually on the result of competitive examination. 6 postgraduate scholps. of Rs. 100 p.m. and 3 res. fellowships of Rs. 175 p.m., instituted under the All India Scheme.

In addition, the Univ. awards a number of other scholps. to Hons. and postgraduate students : (a) 6 Univ. entrance scholps. of Rs. 25 p.m., tenable for 3 yrs. in the Hons. classes in the Univ. (b) 4 Univ. scholps. of Rs. 30 p.m., tenable for 2 yrs. in M.A. classes on result of B.A. Hons. examn. (c) 4 Univ. scholps. of Rs. 30 p.m., tenable for 2 yrs. in M.Sc. classes on result of B.Sc. Hons. examn. (d) 3 scholps. of Rs. 30 p.m. in Fac. of Law, each tenable for 1 yr. 2 Sizarships are awarded for 1 yr., under certain conditions, to the best Hindu Khatri student studying in the first yr. of the 3-yr. degree course. Rai Bahadur Brijmohanlal Sudhi Memorial Scholp. of value of Rs. 25 p.m., awarded for 2 yrs. to the best student studying Physics for M.Sc. degree.

LIBRARIES. Central Univ. Library, 58,660 vols., apart from books in departmental libraries. Libraries of constituent colls., more than 117,110 vols. **BOTANICAL MUSEUM.**

RESIDENCE. Each coll. provides some residential accomm. for its own students. Univ. Halls : Gwyer Hall, accomm. for 92 postgraduate students in addition to a number of res. students and teachers ; Jubilee Hall, accomm. for 59 students ; medical officer.

N.C.C. (First Delhi Battalion). Authorized strength : 645 cadets and officers.

STUDENT ATHLETIC FACILITIES. There is a Univ. Athletic Assocn. and a Univ. Sports Officer. Sports facilities are provided by each of the colls. and halls. Games played include cricket, hockey, football, tennis, and volley ball.

STUDENTS' UNIONS. Apart from the students' union in each coll., there is a central Univ. union.

PUBLICATIONS. *Code ; Courses of Reading ; Question Papers ; Annual Report and Annual Accounts ; Minutes ; Convocation Addresses.*

THE YEAR 1949-50

DONATIONS. Delhi Sch. of Econ., about Rs. 20,000.

NEW BUILDINGS. Bldgs. for Physics Workshop and Main Wing of Fellows' Court at Gwyer Hall completed; latter provides accomm. for 15 Research Fellows and resident teachers. Block of six flats for the residence of teachers also constructed. The Coll. of Commerce has constructed a few residential staff quarters.

NEW DEPARTMENTS AND POSTS. Separate Dept. of Hindi in Fac. of Arts. New Professorship in International Trade in Delhi Sch. of Econ. M.Sc. classes in Bot. begun.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Under the Watumull Foundation, Prof. P. Potter (Washington), on American Diplomacy and International Organization. J. R. Hicks and Mrs. Ursula Hicks (Oxford) to Delhi Sch. of Econ.

RETIREMENT. Sir Maurice Gwyer, Vice-Chancellor.

HONORARY DEGREES. *D.Sc.*—Sir Robert Robinson, President of Royal Society; Dr. E. U. Condon, Dir. Bureau of Standards, Washington, U.S.A.; Prof. Joliot; Mme Joliot Curie, Jt. Nobel Laureate. *D.Litt.*—Sir Maurice Gwyer, retiring Vice-Chancellor.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	401	5132
Women	—	1471
Total	401	6603

Included in the above are (1) 1702 men and 403 women students in the Preparatory and Pre-Medical classes, and (2) 1243 postgraduate students and 1365 first-year admissions to the Degree classes.

DEGREES (1950). B.A. Pass, 270; B.A. Hons., 120; M.A., 85; Ph.D., 1; B.T., 44; M.Ed., 5; LL.B., 102; B.Sc. Pass, 54; B.Sc. Hons., 50; M.Sc., 14.

UNIVERSITY OF GAUHATI

Founded 1948

Postal Address : Gauhati, Assam.

Telegrams : University Gauhati.

Telephone : 101 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—B. K. BARUA, M.A., B.L. Calc.,
Ph.D. Lond.

TEACHING STAFF

Anthropology

Lecturers

Goswami, M. C., M.A. Calc.

Pakrasi, K. B., M.Sc. Calc.

Assamese

Kakati, B. K., M.A., Ph.D. Calc.
Prof.

Barua, B. K., M.A., B.L. Calc.,
Ph.D. Lond. Reader.

Lecturers

Neog, M., M.A. Calc.

Sarma, S. N., M.A. Calc.

Bengali

Bhattacharyya, D., M.A. Calc.
Lectr.

Botany

Baruah, H. K., M.Sc. Calc., Ph.D.
Camb., F.L.S. Prof.

Lecturers

Bara, K. C., M.Sc. Calc. (on leave).

Das, N., M.Sc. Calc.

Kachroo, P. N., M.Sc.

Nayar, B. K., M.Sc.

Sarma, P. C., M.Sc. (on leave).

Commerce

Sabharwal, D. C., M.A. Glas.,
B.Com. Edin. Prof.

Mitra, A. K., M.A., B.Com.
Reader.

Lecturers

Agarwal, M. P., M.Com. Bom.

Goswami, P. C., M.A. Calc.

Mathur, A. S., M.A., Dip. S.S.A.
Bom.

Saikia, K. N., M.A. Calc.

Sarma, A. K., M.A.

Joseph, A. C., M.Com. And.

Economics

Thomas, P. C., M.A., Ph.D. Madr.
Reader.

Lecturers

Gogoi, P., M.A. Calc.

Rao, V. V., M.A., Ph.D. Madr.

Sarangapani, S., M.A. Madr.

Sarma, J. C., M.A. Alld.

Education

Readers

Dasgupta, D. C., M.A., Ed.D.
Calif.

Kar, B. C., M.A., B.T., T.D., M.A.
Lond.

Mukherjee, N., M.Sc., Ph.D. Lond.
Barua, L., M.A., B.T. Calc., M.A.
Col. Lectr.

English

Goswami, P., M.A. Calc. Lectr.

Geography

Lecturers

Das, H. P., M.A. Calc.
Pal, D. K., M.A. Calc.
Singh, G. S., M.Sc. Alld.

Geology

Lecturers

Choudhury, J. N., M.Sc. Ban.
Banerjee, A. K., M.Sc. Calc.

History

Readers

Baji, A. R., M.A., Ph.D. Madr.
Bhattacharyya, S., M.A. Calc.

Lecturers

Choudhury, P. C., M.A. Ban.
Misra, V. B., M.A. Ban.

Law

Bora, J., B.L. Calc. Principal.
Lecturers
Ali, W., B.L. Calc.
Barua, B. C., M.Sc., B.L. Calc.
Das, R. R., B.L. Calc.

Mathematics

Thawani, V. D., M.A. Camb. Prof.

Lecturers

Barua, S. N., M.A. Calc.
Medhi, J. P., M.A. Calc.

Philosophy

Sarma, R. R., M.A., Ph.D. Calc. Reader.

Lecturers

Datta, B. N., M.A. Calc.
Patnaik, K. R., M.A. And.

Statistics

Lecturers

Bhattacharyya, K., M.A. Calc.
Bose, A. K., M.Sc. Calc.
Prabhu, N. U., M.A. Bom., Madr.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY LIBRARIAN. J. Sarma, M.A. Calc.

WARDENS. K. C. Bhattacharyya, M.A. Calc. ; H. P. Das, M.A. Calc. ; N. Das, M.Sc. Calc. ; R. R. Das, B.L. Calc. ; M. C. Goswami, M.A., B.T. Calc. ; J. P. Medhi, M.Sc. Calc. ; M. Neog, M.A. Calc.

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., B.S.

DIBRUGARH, *Dibrugarh H.S.K. College*. I.A., I.Sc., 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, *Handique Girls' College*. I.A., B.A.

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., B.Sc., 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.

GENERAL INFORMATION

The University came into existence on Jan. 1, 1948, and its constitution is governed by the Gauhati University Act, 1947 (Assam Act XVI of 1947). It is an affiliating, teaching, and residential Univ. with jurisdiction over all the schools and colleges in the State of Assam which were formerly affiliated to the Univ. of Calcutta. Under the Gauhati University Act, 1947, the Govt. of Assam 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 and the Teachers' Training Dept. are located in the Univ. Law College and its annexe. The Depts. of Undergraduate Teaching are located in the Don Bosco bldgs. The Bot., Statistics, and Geog. Depts. are located in bldgs. placed at the disposal of the Univ. by the Govt. of Assam. The Geol. and Anthropol. labs. are located in a rented bldg. The evening Commerce classes are held in the Govt. Cotton College bldgs.

FACULTIES AND DEANS. Agriculture, ; Arts, Prof. B. K. Kakati; Commerce, Prof. D. C. Sabharwal; Medicine, Dr. G. D. Kapur; Science, Prof. V. D. Thawani.

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. Comm.—I.Com., B.Com., and M.Com. Maths.—I.Sc., B.Sc., and M.Sc. Statistics—B.Sc. and M.Sc. Econ.—M.A. Hist., Assamese—I.A., B.A., and M.A. English—I.A. and B.A. Labour Econ.—B.A. and B.Com. Secretarial Practice—Diploma Examn.

DEGREES. B.A., M.A., B.Sc., M.Sc., B.Com., M.Com., B.T., B.L., M.B., B.S., B.Sc. (Agric.), D.Phil.

The usual LANGUAGE OF INSTRUCTION is English.

DIPLOMA AND CERTIFICATE. Dipl. in Secretarial Practice. Teachers' Training Certif. in Geography.

TEACHERS' TRAINING DEPARTMENT. The Univ. has its own Teachers' Training Dept. Govt. teachers are deputed for training in the Dept. There is also a Teachers' Training Certif. Course in Geography.

SCHOLARSHIPS. The Univ. has so far granted two Research Scholps. of the value of Rs. 100 each p.m. Scholps. of Rs. 30, Rs. 35, and Rs. 50 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.

LIBRARIES. The Univ. Library is being organized and is at present housed in the Law Coll. premises. An annual grant of Rs. 20,000 has been provided to build up a comprehensive collection. The Law College has its own Library.

MUSEUMS. Museums have been organized in the Depts. of Anthropol., Bot., Geol., and Educn.

NATIONAL CADET CORPS. Sr. Division Units are attached to some of the affiliated Colls. The Cadets may offer Military Educn. as an additional subject in the Inter. examns. in Arts, Sci., and Comm.

STUDENTS' UNIONS. There is a Postgraduate Students' Union and an Undergraduate Students' Union, in addition to the Unions at the affiliated Colls. The B.T. trainees have an Association of their own.

PUBLICATIONS. Univ. *Calendar* ; a *Journal* and certain selections for use as text-books in English, Assamese, and Sanskrit for the Matricn. Examn. have been published.

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.

GUJARAT UNIVERSITY

Founded and Incorporated 1950

Postal Address : Navrangpura, Ahmedabad 9, Bombay State.

CHANCELLOR—H.E. RAJA SIR MAHARAJ SINGH, Governor of Bombay.

VICE-CHANCELLOR—HARSIDDHABAI V. DIVATIA, M.A., LL.B.

RECTOR—Kuverji G. Naik, M.A., D.Sc. Lond., F.R.I.C., F.N.I.

REGISTRAR—BHADRIKAL A. PATEL, B.Sc., B.E.

ASSISTANT REGISTRAR—JAYANTILAL M. MEHTA, B.Sc., B.T.

LIBRARIAN—KIKUBHAI R. DESAI.

AFFILIATED COLLEGES AND RECOGNIZED INSTITUTIONS

AHMEDABAD, *Behramji Jijibhai Medical College*. For M.B., B.S., M.D. and M.S., B.Sc. (Med.), M.Sc. (Med.). Principal and Prof. of *Anat.*, G. V. Barve, M.S. Bom. ; *Physiol.*, E. M. Best, M.B., B.S. ; *Pathol.*, H. I. Jhala, M.D. ; *Pharmacol.*, A. D. Joseph, M.B., B.S. ; *Forensic Med. and Hygiene*, R. M. Jhala, M.B., B.S., D.T.M. & H. ; 13 other Profs. and Lectrs.

AHMEDABAD, *Bholabhai Jeshingbhai Institute of Learning and Research*. Postgraduate and Research. Dir. and Prof. of *Sanskrit*, R. C. Parikh, B.A. Bom. ; *Gujarati*, K. K. Shastri ; *Arabic*, S. A. Z. Nadvi ; *Ardhamagadhi*, B. J. Sandesara, M.A., Ph.D. ; *Anc. Indian Culture*, Prof. B. Sarabhai, B.A. Bom., M.A. Oxon. ; *Persian*, C. R. Naik, M.A., B.T., Ph.D. ; 16 other Profs.

AHMEDABAD, *Gujarat College*. For M.A., B.Sc. Principal and Prof. of *Chem.*, M. S. Shah, M.Sc., Ph.D. Lond. ; *Bot.*, R. N. Sutaria, M.Sc. ; *Hist. and Econ.*, B. A. Saletore, Ph.D. Lond. ; *Phys.*, Y. G. Naik, Ph.D. (Lond.) ; *Gujarati*, A. M. Raval, M.A. ; *French*, V. Y. Verjinkar, M.A. ; *English*, C. N. Patel, M.A. ; *Philos. and Logic*, V. V. Akolkar, M.A. ; *Maths.*, B. R. Tongaonkar, M.Sc. ; *Sanskrit*, G. K. Bhatt, M.A. ; *Persian*, D. A. Bargir, M.A. ; *Biol.*, G. G. Naik, B.Sc. ; *Hindi*, G. M. Shah, M.A. ; *Urdu*, H. M. Shaikh, M.A. ; 32 other Profs. and Lectrs.

AHMEDABAD, *Hargovandas Lakhmichand College of Commerce*. B.Com. and M.Com. Principal and Prof. of *Foreign Exchange and Internatl. Banking*, S. V. Desai, M.S. Col. ; *English*, V. N. Joshi, M.A. ; *Advanced Accounting and Auditing*, C. R. Lakhia, B.Com. ; *Mod. Econ. Development*, B. V. Bhatt, B.Com., M.B.A. ; *Business Organ.*, M. Satyanarayan, B.A., M.A. (Com.) Calc., B.A. And. ; *Econ. of Agric.*, S. T. Vaswani, M.A., LL.B. ; *Cotton*, S. C. Pathak, M.Com. ; *Organ. of Trade and Transport*, P. V. Lokras, B.Com., M.A. ; 16 other Profs. and Tutors.

AHMEDABAD, *Lalbhai Dalpatbhai Arts College and Mafatlal Gagalbhai Science Institute*. M.A. and M.Sc. Principal and Prof. of *Chem.*, R. D. Desai, B.A., M.Sc. Bom., D.Sc. Lond., F.R.I.C., F.N.I. ; *English*, F. C. Davar, M.A., LL.B. ; *Sanskrit*, R. B. Athavle, M.A. ; *Ardhamagadhi*, V. M. Shah, M.A. ; *Gujarati*, R. M. Shukla, M.A. ; *Hist. and Econ.*, V. V. Bhatt, A.M. Harv. ;

Maths., K. R. Dave, M.Sc. ; *Philos.*, M. A. Buch, M.A., Ph.D. Lond. ; *Logic*, G. B. Desai, M.A. ; *Hindi*, R. V. Upadhyaya, M.A. ; *Physics*, J. B. Sandil, M.Sc. ; *Biol.*, C. M. Patel, M.Sc. ; *Bot.*, M. S. Dubale, M.Sc. ; *Geol. and Geog.*, S. Mukherjee, M.Sc. ; 26 other Profs. and Tutors.

AHMEDABAD, *Lalubhai Dalpatbhai College of Engineering*. B.E. Principal and Prof. of *Mech. Engin.*, T. N. Tolani, B.E. (Mech.) ; *Appl. Mechanics*, G. P. Nagarkar, B.E. (Civil) ; *Civil Engin.*, D. R. Chaubal, B.A., B.Sc., B.E. (Civil) ; *Electr. Engin.*, D. V. Virkar, B.E. ; 28 other Profs. and Lectrs.

AHMEDABAD, *Lallubhai Motilal College of Pharmacy*. B.Pharm. Principal and Prof. of *Pharmaceutics*, R. P. Patel, M.Sc., Ph.D. Lond. ; *Pharmaceutical Chem.*, C. R. Mehta, M.Sc., Ph.D. Bom. ; *Pharmacognosy*, C. S. Shah, B.Sc., Dr.Sc. Frankfurt ; *Physiol. and Pharmacol.*, H. R. Derasari, B.Sc., M.B., B.S. ; 11 other Lectrs. and Demrs.

AHMEDABAD, *Lallubhai A. Shah Law College*. LL.B. Principal and Prof., of *Indian Penal Code, Criminal Procedure Code, Company Law*, etc., M. M. Thakore, B.A., LL.B. ; *Jurisprudence, English, Constitutional Law, Hindu Law and Succession*, M. S. Pandit, B.A., LL.B. ; *Law of Contracts and Indian Constitutional Law, Evidence Equity*, etc., N. G. Kharod, B.A., LL.B. ; *English*, N. T. Shethna, B.A. ; *Roman Law and Mohammedan Law*, I. M. Nanavaty, B.Com., LL.B. ; *Law of Torts, Easements*, Miss Marry F. Bhagalia, M.A., LL.B.

AHMEDABAD, *Physical Research Laboratory*. Research. Dir. and Prof. of *Atmospheric Phys.*, K. R. Ramanathan, M.A., D.Sc., F.N.I. ; *Cosmic Ray Phys.*, V. A. Sarabhai, M.A., Ph.D. Camb. ; *Theoret. Phys.*, A. B. Bhatia, M.Sc., D.Phil. ; *Electronics*, S. N. Kalra, M.Sc., Ph.D. ; 9 other Profs. and Lectrs.

AHMEDABAD, *Vadilal Sarabhai General Hospital and Sheth Chinai Maternity Home*. M.D. and M.S. Supt. and Prof. of *Surg.*, M. D. Desai, M.S., M.Ch. Orth., F.R.C.S. ; *Med.*, G. B. Mohile, D.T.M. Liv. ; *Obstet. and Gynaecol.*, Miss S. C. Pandya, M.D. Bom. ; 7 other Profs. and Lectrs.

ANAND, *Bansilal Amritlal College of Agriculture*. B.Sc. (Agric.). Dir. and Prof. of *Animal Husbandry*, M. D. Patel, M.Sc. Corn., Ph.D. Wisc. ; *Agric. Chem. and Soils*, C. C. Shah, M.Sc., Ph.D. ; *Agric. Bot.*, P. L. Patel, M.Sc. ; *Phys., Maths., Statics, and Agric. Engin.*, A. C. Pandya, B.E., M.Sc. ; *Bacteriol. and Pathol.*, N. Prasad, M.Sc., Ph.D. ; *Econ.*, S. G. Madiman, M.Sc., Ph.D. ; *Hortic.*, K. N. Goswami, B.Ag. ; *Vet. Sci.*, N. C. Buch ; 26 other Profs. and Lectrs.

ANAND (Vallabh Vidya Nagar), *Birla Vishwakarma Mahavidyalaya*. B.E. Principal and Prof. of *Appl. Mechanics*, S. B. Junnarkar, B.A., B.Sc. (Eng.) Lond. ; *Surveying, Hydraulics*, R. D. Gulatee, B.Sc. Manc. ; *Heat Engines*, N. Bhattacharya, B.Sc. (Eng.) Ban. ; *Electr. Engin.*, K. V. Kardile, B.Sc. Bom., B.Sc. (Eng.) Ban. ; *Water Supply and San. Engin., Railway and Bridges*, C. H. Khasilkar, B.E. (Civil) ; *English*, N. K. Desai, M.A., B.T. ; *Econ.*, A. R. Desai, M.A. ; 28 other Lectrs. and Demrs.

ANAND (Vallabh Vidya Nagar), *Vithalbai Patel Mahavidyalaya*. B.A. and B.Sc. Principal and Prof. of *Maths.*, N. M. Shah, B.A. Bom., M.A. Camb. ; *Phys.*, G. G. Paldhikar, M.Sc. Alld. ; *Chem.*, M. D. Avsare, M.Sc., Ph.D. ; *Biol.*, J. G. Chohan, M.Sc. ; *Gujarati and Sanskrit*, D. R. Mankad, M.A. ; *Hist.*, Miss Aloo J. Dastur, M.A., Ph.D. ; *Econ.*, A. R. Desai, M.A. ; *Philos.*, T. G. Deokule, M.A. ; 21 other Profs. and Lectrs.

BHAVNAGAR, *Mangaldas Jeshingbhai College of Commerce*. B.Com. Principal and Prof. of *Banking*, K. Anantaran, M.A. ; *English*, P. P. Mehta, M.A. ; *Econ.*, L. V. Gogte, B.Sc. ; 8 other Profs. and Lectrs.

BHAVNAGAR, Samaldas College and Sir P. P. Institute of Science. B.A. and B.Sc. Principal and Prof. of *Sanskrit and Ardhmagadhi*, P. M. Modi, M.A. Ban., Ph.D. Kiel; *English*, N. J. Trivedi, M.A.; *Logic and Moral Philos.*, J. B. Dave, M.A.; *Hist. and Econ.*, M. J. Pathakji, M.A., LL.B.; *Gujarati*, R. M. Joshi, M.A.; *Chem.*, M. M. Parekh, M.Sc., Ph.D. Lond., F.R.I.C.; *Phys.*, K. L. Marsimham, M.Sc.; *Biol.*, V. P. Varde, B.Sc. Bom., D.Sc., F.R.E.S.; *Maths.*, M. J. Trivedi, M.A.; 25 other Profs. and Lectrs.

JUNAGADH, Bahauddin College. B.A. and B.Sc. Principal and Prof. of *Sanskrit*, N. B. Purohit, M.A., B.T.; *English*, R. D. Joshi, M.A.; *Logic and Philos.*, V. S. Gogte, M.A.; *Maths.*, A. R. Rao, M.Sc.; *Biol.*, G. A. Kapadia, M.Sc.; *Phys.*, S. S. Joshi, B.Sc., Ph.D.; *Hist. and Econ.*, C. N. Wadia, B.A., Ph.D.; *Chem.*, S. A. Vaishnav, M.Sc.; 10 other Profs. and Lectrs.

NADIAD, Jethabhai Jhaverbhai College of Science and C. B. Patel Arts Institute. B.A. and B.Sc. Principal and Prof. of *Hist., Pol. and Indian Constitution*, K. H. Kandar, M.A.; *Chem.*, K. N. Chokshi, M.Sc.; *Phys.*, D. Fakirbhai, B.Sc.; *Zool.*, N. L. Naik, B.Sc.; *Bot.*, P. S. Toor, M.Sc.; *Maths.*, S. J. Oka, M.A.; *English*, R. P. Bhatnagar, B.A. Rajput., M.A. Agra; 15 other Profs. and Lectrs.

NAVSARI, Sorabji Burjorji Garda College and B.P. Baria Institute. B.A. and B.Sc. Principal and Prof. of *Philos.*, A. K. Trivedi, M.A., LL.B.; *English*, M. N. Majmudar, B.A., Dip.Ed. Dub.; *Maths.*, C. M. Desai, B.A. Lond.; *Biol.*, P. B. Menon, M.A. Madr.; *Sanskrit and Ardhmagadhi*, M. A. Mahendale, M.A., Ph.D.; *Gujarati*, J. S. Joshi, M.A.; *Persian*, M. F. Quarashi, M.A.; *Phys.*, V. N. Upadhyay, M.Sc.; *Chem.*, R. D. Advani, M.Sc.; *Microbiol.*, M. V. Raghunath, M.Sc.; 15 other Profs. and Lectrs.

PETLAD, Pellad College. B.A. and B.Sc. Principal and Prof. of *Phys.*, N. G. Mohile, M.A., B.Sc.; *Biol.*, G. R. Kshirsagar, M.Sc.; *Chem.*, I. S. Krishna Kamath, M.Sc.; *Sanskrit*, M. T. Buch, M.A.; *English*, C. L. Kelvani, M.A.; *Maths.*, R. C. Parikh, M.Sc.; 10 other Lectrs.

RAJKOT, Dharmendrasinhji College. B.A. and B.Sc. Principal and Prof. of *Chem.*, S. V. Shah, B.Sc., Ph.D.; *Phys.*, P. Y. Deshpande, M.Sc., Ph.D. Bom.; *Biol.*, R. N. Dave, M.Sc.; *English*, G. R. Kotwal, M.A., D.Litt.; *Econ.*, *Hist.*, *Pol.*, L. N. Thacker, M.A.; *Sanskrit*, D. P. Joshi, M.A., LL.B.; *Logic and Philos.*, U. D. Bhatt, M.A.; *Gujarati*, U. C. Pandya, M.A.; *Maths.*, K. M. Shah, M.Sc., B.T.; 31 other Profs., Lectrs., and Demrs.

SURAT, Kikabhai Premchand College of Commerce. B.Com. Principal and Prof. of *Accounting and Statistics*, Y. D. Keskar, M.A., B.Com.; *Secretarial Practice and Accounting*, R. N. Bhatt, M.Com.; *Business Organ.*, M. N. Jakate, M.Com.; *Maths. and Statistics*, K. M. Talati, M.A.; *English*, R. L. Kesvani, M.A.; *Econ. and Civics*, R. K. Patil, M.A.; *Mod. Econ. Development*, D. S. Kurtkoti, M.A.; 7 other Profs. and Lectrs.

SURAT, Maganlal Thakordas Baimukunddas College. M.A. and B.Sc. Principal and Prof. of *English*, K. L. Desai, M.A., LL.B. Bom., B.A. Camb.; *Gujarati*, V. R. Trivedi, M.A. Bom.; *Persian*, M. J. Thakur, M.A. Bom.; *Sanskrit and Ardhmagadhi*, J. T. Parikh, M.A.; *Urdu and Arabic*, T. H. Shamsi; *Logic and Philos.*, K. T. Jahagirdar, M.A. Alld.; *Hist. and Econ.*, K. C. Chatravarty, M.A. Calc.; *Geog.*, P. N. Modak, M.Sc. Nag.; *Phys.*, P. A. Pandya, M.A., B.Sc.; *Chem.*, J. A. Kazi, B.A., B.Sc., LL.B.; 33 other Profs. and Lectrs.

SURAT, Sarvajanic Law College. LL.B. Principal and Prof. of *Roman Law, Crimes and Company Law*, T. K. Modi, B.A., LL.B.; *English, Hindu Law, Jurisprud.*, C. D. Vyas, M.A., LL.M.; 4 other Lectrs.

VISNAGAR, *Maneklal Nanchand College*. M.A. and B.Sc. Principal and Prof. of *Hist. and Pol.*, A. G. Pawar, M.A., LL.B. Bom., Ph.D. Lond. ; *English*, R. M. Waghmare, M.A., B.T. ; *Maths.*, M. N. Korgaokar, M.A. ; *Sanskrit*, G. N. Dike, M.A. ; *Hist. and Econ.*, R. N. Desai, M.A., LL.B. ; *Logic and Philos.*, U. J. Trivedi, M.A. Dip.-in-Edu. ; *Phys.*, V. T. Chiplonkar, M.Sc., Ph.D. ; *Chem.*, M. L. Shah, B.A., M.Sc., Ph.D. Wash. ; *Biol.*, M. N. Patel, B.Sc. Edin., B.Ag. Bom. ; 25 other Profs. and Lectrs.

GENERAL INFORMATION

Incorporated : Nov. 23, 1950.

TEACHING is conducted in the affiliated Colleges and recognized Institutions.

LIBRARY. A Librarian has been appointed and a sum of Rs. 50,000 is earmarked for library for the year 1951-52.

FACULTIES AND DEANS. Arts (including Educn.), R. C. Parikh ; Science, Dr. R. D. Desai ; Technol. (including Engin.), T. N. Tolani ; Agric., Dr. M. D. Patel ; Law, T. K. Modi ; Med., Dr. M. D. Patel ; Commerce, S. V. Desai.

DEGREES. B.A., M.A., B.Ed., M.Ed., B.Sc., M.Sc., B.E. (Civil, Mech. and Electr.), B.Sc. (Agri.), M.Sc. (Agri.), LL.B., LL.M., M.B., B.S., M.D., M.S., B.Pharm., B.Com., M.Com. The courses and the scheme for these degrees are the same as prescribed by Bombay Univ. The Univ. will be holding its degree examns. in 1952, and steps will be taken to seek recognition for the above Degrees.

RESEARCH SCHOLARSHIPS AND FELLOWSHIPS. Rs. 55,000 have been provided for in 1951-52.

DIPLOMAS, ETC. T.D., D.P.H., D.Hy., D.O., D.M.R.E., D.P.M., D.A., D.Ped., D.L.O., T.D.D., D.V.D.

STUDENTS (1950-51). Approx. 11,500.

NATIONAL CADET CORPS. 4th Bombay Battalion (Infantry) : 9 Platoons, each of about 50 students. 7th Bombay Battalion (Artillery) : 1 Platoon of about 50 students.

PUBLICATIONS. *Annual Report* ; *Handbook, Part I. Calendar* ; *Handbook, Part II* ; and *Univ. Bulletin*, in preparation.

THE UNIVERSITY OF JAMMU AND KASHMIR

SRINAGAR

Founded 1948

Postal Address : Srinagar, Kashmir.

Telegrams : University, Srinagar.

Telephone : 230.

CHANCELLOR—SHRI YUVRAJ KARAN SINGH JI BAHADUR.

PRO-CHANCELLOR—THE HON. SHEIKH MOHAMMED ABDULLA.

VICE-CHANCELLOR—The Hon. Chief Justice Mr. JANKI NATH WAZIR.

DEANS OF FACULTIES—*Arts*—S. L. PANDIT ; *Science*—TIRATH RAM ;
Oriental Learning—MAULANA MOHD. SAEED MASUDI ; *Education*—
G. A. MUKHTAR.

REGISTRAR—KHWAJA GHULAM AHMAD ASHAI, M.A., M.O.L., B.T.

CONTROLLER OF EXAMINATIONS—.....

AFFILIATED COLLEGES

[F.A., F.Sc., B.A., M.A., etc.=affiliated up to Intermediate Arts, Intermediate Science, B.A., M.A., etc., standard.]

ANANTNAG, *Govt. Intermediate College*. F.A.

JAMMU, *Govt. Gandhi Memorial College*. B.A. (Hons.), M.Sc.

JAMMU, *Maharani Mahilla College*. B.A.

JAMMU, *Shri Rughnath Sanskrit College*. Hons. in Sanskrit.

SOPORE, *Govt. Intermediate College*. F.A.

SRINAGAR, *Amar Singh College*. B.A., B.A. (Hons.), B.Sc.

SRINAGAR, *C.M.S. Biscoe College*. F.A. and F.Sc.

SRINAGAR, *Gandhi Memorial College*. F.A.

SRINAGAR, *Govt. Patshalla*. Hons. in Sanskrit, Arabic, and Persian.

SRINAGAR, *Govt. Women's College*. B.A.

SRINAGAR (HAZARATBAL), *Jamia Madinat-ul-Alum*. Hons. in Persian and Arabic.

SRINAGAR, *Mahila Mahavidyalaya*. Hons. in Hindi.

SRINAGAR, *Oriental College*. Hons. in Persian and Arabic.

SRINAGAR, *Presentation Convent College*. F.A.

SRINAGAR, *Sri Pratap College*. B.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. (For Deans, v. *supra*.)

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).

KARNATAK UNIVERSITY

Founded 1949; Incorporated 1950

Postal Address : Dharwar, Bombay Province.

Telephone : 43.

CHANCELLOR—H.E. RAJA SIR MAHARAJ SINGH, C.I.E., M.A. Oxon.,
Governor of Bombay.

VICE-CHANCELLOR—R. A. JAHAGIRDAR, M.A., LL.B.

REGISTRAR—D. P. PATRAVALI, B.A. Camb.

ASSISTANT REGISTRAR—S. S. WODEYAR, M.A., LL.B.

LIBRARIAN—JAMNA DASS SHARMA, M.A., Dip.Lib.

AFFILIATED COLLEGES

BAGALKOT, *Basaveshvar College*. Principal—S. C. Nandimath, M.A., Ph.D.
Lond.

BELGAUM, *Lingaraj College*. Principal—G. S. Paramasivayya, M.Sc.

BELGAUM, *R.L. Law College*. Principal—V. R. Bhatt, M.A., LL.M.

BELGAUM, *R.P.D. College*. Principal—F. C. Alfonso, B.A. Oxon., M.A.,
LL.B.

BELGAUM, *S.T. College*. Principal—G. S. Krishnayya, M.A., Ph.D. Col.

BIJAPUR, *Vijay College*. Principal—T. K. Patil, M.A. Lond.

DHARWAR, *College of Agriculture*. Principal—M. A. S. Iyengar, B.Ag.

DHARWAR, *Karnatak College*. Principal—A. Menezes, M.A.

DHARWAR, *K.E. Board's Arts and Science College*. Principal—G. B. Jathar,
M.A.

HUBLI, *B. V. Bhoomaraddi College of Engineering and Technology*.
Principal—A. S. Menon, B.Sc. (Eng.).

HUBLI, *J.G. College of Commerce*. Principal—B. M. Ramalingayya, M.A.

KUMTA, *Kanara College*. Principal—B. N. K. Sharma, M.A., Ph.D.

RECOGNIZED INSTITUTION

DHARWAR, *Kannada Research Institute*. Director—R. S. Panchmukhi, M.A.

GENERAL INFORMATION

The University conducts examns. and awards degrees up to Ph.D. It is intended to centralize all postgraduate instruction under the direct supervision of the Univ. The appts. of Professors and Readers are likely to be finalized shortly. The Univ. Office is at present housed in a temp. bldg. Plans for the erection of the various Univ. Buildings are ready and building work will commence shortly on an extensive site of 300 acres two miles to the south-west of the town of Dharwar.

LIBRARY. 13,859 vols.

FACULTIES. Arts, Science, Law, Agriculture, Engineering, and Commerce.

SCHOLARSHIPS. The Univ. awards a number of prizes and scholps. every yr.

DEGREES. B.A. (General and Special); B.Sc., B.Ed., B.Com., B.Sc. (Agri.), LL.B., M.A., M.Sc., M.Ed., M.Com., M.Sc. (Agri.), LL.M., Ph.D., D.Litt., D.Sc.

The courses of study for the Bachelor's degree cover 2 yrs. following the Intern. Examn. taken at the age of 17 or 18. 505 Bachelor's and Master's degrees were awarded in March-April 1951. The language of instruction is English.

STUDENTS. Total number of students in the various affiliated colleges on March 30, 1950, was 4573.

UNIVERSITY OF LUCKNOW

Founded 1921

CHANCELLOR—H.E. THE GOVERNOR OF UTTAR PRADESH.

VICE-CHANCELLOR—ACHARYA NARENDRA 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—K. A. S. IYER, M.A.

TEACHING STAFF

KING GEORGE'S MEDICAL COLLEGE

Principal—S. N. MATHUR, B.Sc. Alld., M.S., F.R.C.S.

Anatomy

Narayan, D., M.B., B.S., M.S. Prof.

..... Reader.

Varma, H. C., M.B., M.S. Lectr.

Das, A. C., M.B., M.S. Lectr.

Ribeiro, W., M.B., M.S. Lectr.

4 Sr. and 2 Jr. Demrs.

Dentistry

Sampath, B. Reader.

Chaudhry, K. P., B.D.S. Lectr.

Gupta, H. D. Lectr.

..... Lectr.

2 Sr. Demrs.

Forensic Medicine

Dixit, R. G., M.D., T.D.D.,

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.

Sharma, D. N., M.B., B.S. (Medi-

cine) 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.

Sharma, N. L., M.B., B.S., D.T.M.,

D.P.H. Calc., D.C.H. Lond.

(Pædiatrics) Lectr.

Raghuvanshi, N. S., M.B., B.S.

(Pædiatrics) Pt.-time Lectr.

Nath, K., M.B., B.S.

Pt.-time Lectr.

Obstetrics and Gynæcology

Satur, Dorothy M., B.A., M.B.,

B.S. Madr., F.R.C.S.Ed. Prof.

Kutty, Miss Devaki, M.B., B.S.,

D.G.O. Lond. Reader.

Sanwal, Mrs. H. M., M.B., B.S.

Panj. Temp. Reader.

Das, Miss Mohini, M.B., B.S.

Temp. Lectr.

Ophthalmology

Misra, C. P., L.M.S. Panj.

Emeritus Prof.

Gupta, S., M.B., D.O.M.S. Lond.,

F.R.C.S.Ed. Prof.

..... 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., Dip.
Bact. Lond. Lectr.
Mehrotra, R. M. L., M.D., B.S.
Lectr.

1 Sr. and 2 Jr. 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.D., B.S. Lectr.
1 Sr. and 1 Jr. Demr.

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.
Kapoor, S. R., M.D., B.S. Lectr.
Paintal, A. S., M.D., B.S. Lectr.
5 Sr. and 2 Jr. Demrs.

Radiology

Chatterji, C., B.Sc. Alld., M.B.,
B.S., D.M.R. Lond. Reader.
Lal, B., M.D., B.S., D.M.R.E.
(Radio-Therapy) Lectr.
Kumar, A., M.B., B.S., D.M.R.E.
Pt.-time Lectr.
Krishna, B., M.Sc. (Radio-Physics)
Pt.-time Lectr.

Social Medicine and Public Health

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.
Chowdhury, K. R., D.O., D.O.M.S.,
F.R.C.S. Pt.-time Reader.
Lecturers

Sinha, B. N., M.B., B.S., F.R.C.S.
Eng. (Orthopæd. S.).
Sharma, R. N., M.B., M.S.
Charan, A., M.B., M.S.
Misra, R. N., M.B., M.S., D.L.O.
(Ear, Nose, and Throat).
Das, P., M.S.
Gupta, R. N., M.B., B.S. (Venereal
Dis.) Pt.-time Lectr.
Bahl, I. N., M.B., B.S., D.A.
(Anæsthetics) Pt.-time Lectr.
Pande, R. C., M.B., M.S.

Tuberculosis

Tandon, M. B., B.S., T.D.D.,
D.M.R.E. Pt.-time Reader.
Mathur, J. B. L., M.D., B.S.
Pt.-time Lectr.

CANNING COLLEGE (ARTS, SCIENCE, LAW, COMMERCE, AND
ORIENTAL DEPT.)

Arabic

Wahid Mirza, M., M.A. Panj.,
Ph.D. Lond. Reader.
Samadi, S. B., M.A., Ph.D.,
Dabir-i-Kamil Lectr.
Alavi, M. H., M.A., Ph.D.
Offg. 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.
Rao, S. R. Narayana, M.A., F.G.S.
(Geol.) Reader.
Pande, S. K., M.Sc. Panj., D.Sc.
Reader.

Ramchandra Rao, A., D.Sc.
Reader.
Misra, R. C., M.Sc., Ph.D. Reader.

Lecturers

Varma, G. S., M.Sc., Ph.D., F.L.S.
 Tewari, B. S., M.Sc. (Geol.).
 Singh, S. N., M.Sc. (Geol.).
 Agarwal, S. C., M.Sc., Ph.D.
 Trivedi, B. S., M.Sc.
 Rai, J. N., M.Sc.
 Singh, S. N., M.Sc.
 Kharkwal, A. D., M.Sc.
 Prasad, B. N., M.Sc.

Chemistry

Chatterji, A. C., D.Sc. Alld.,
 Dr. Ing. Berl. Prof.

Readers

Raman Nayar, M., B.A. Madras.
 Sen, A. B., M.Sc., Ph.D.
 Shukla, S. N., Ph.D. Lond., M.Sc.

Lecturers

Verma, S. C., M.Sc.
 Srivastava, L. N., M.Sc.
 Mukerji, L. N., Ph.D. Lond.,
 D.I.C., M.Sc.
 Yadava, B. P., M.Sc., Ph.D.
 Gopal, R., M.Sc., Ph.D.
 Srinastava, T. N., M.Sc., Ph.D.
 Tewari, S. S., M.Sc.
 Misra, G. S., M.Sc., Ph.D.
 Bose, A. N., M.Sc., Ph.D.
 Misra, V. S., M.Sc., Ph.D.
 Pande, C. S., M.Sc., Ph.D.
 Rastogi, R. P., M.Sc.
 Joshi, K. C., M.Sc.

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., LL.B., Ph.D.,
 D.Litt. Reader.

Lecturers

Joshi, M. D., M.A. Alld.
 Chandra, P., M.A.
 Ghosh, A. K., M.A., Ph.D. Lond.
 Khan, N. A., M.A., Ph.D.

Sharma, S. R., M.A., LL.B.

Saran, A. K., M.A.
 Gurtu, D. N., B.Sc. Lond.
 Seth, K. C. G., M.A.
 Sen, D. K., M.A. Calc.

English

Sidhanta, N. K., M.A. Camb. and
 Calc. Prof. (on leave).
 Sreshta, R. R., M.A., LL.B. Camb.
 Reader (offg. Prof.).
 Rao, A. V., M.A. Madr., Ph.D.
 Lond. Reader.

Lecturers

Bhattacharya, A. T., M.A.
 Mitra, D., M.A. Calc. and Luck.
 Rastogi, R. S., M.A.
 Narain, S. K., M.A.
 Mohan, R., M.A.
 Chandra, N., M.A.
 Johri, G. P., M.A.
 Misra, S. P., M.A.
 Sinha, S. M., M.A., Ph.D.
 Jamiluddin, K., M.A.
 Farooqi, M. A., M.A., Ph.D.
 Saxena, P. K., M.A., Ph.D.

.....
 Misra, S. S., M.A. Teacher.

Hindi

Gupta, D. D., M.A., LL.B., D.Litt.
 Alld. Prof.
 Shukla, K. N., M.A., D.Litt. Ban.
 Reader.

Lecturers

Mishra, B., M.A., Ph.D.
 Avasthi, H. K., M.A.
 Agarwal, S. P., M.A., LL.B., Ph.D.
 Dikshit, T. N., M.A., LL.B., Ph.D.
 Trivedi, V. B., M.A., D.Phil. Calc.
 Misra, B. K., M.A.

History,

Mookerji, R. K., M.A., Ph.D.
 Calc. Emeritus Prof.
 Qanungo, K. R., M.A., Ph.D.
 Prof.

Readers

Das Gupta, S. N., M.A. Lond.,
D.Litt., F.R.Hist.S.
Chatterji, C. D., M.A. Calc.
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Rajalakshman, D. V., M.A., M.Sc., F.S.S. (on leave) Lectr.	Balakrishnan, O. K. (Textile Chem.).
<i>Technology</i>	Madhavan, R. (Colour Design).
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Readers	Rajabather, K. (Leather Technol.) Tanning Instr.
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Kokan, M. Y., M.A. (Urdu).	<i>Tamil</i>
<i>Kannada</i>	Sethu Pillai, R. P., B.A., B.L. Prof.
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AFFILIATED PROFESSIONAL COLLEGES

Agriculture

COIMBATORE, *Agricultural College*. Principal—P. D. Karuakar, M.Sc. Lectrs.: *Agric.*—S. Saktharam Rao, L.Ag. *Animal Hygiene*—F. Joseph. *Bot.*—C. R. Mudaliar, M.A. *Chem.*—P. D. Karumakar, M.Sc. Rutgers. *Engin.*—C. P. Raju, B.A., B.Sc. (Agr.). *Hygiene*—F. Joseph. 34 Assistants.

Engineering

ANANTAPUR, *College of Engineering*. Principal—N. S. Krishnaswami, B.E. Other Profs.: *Civil Engin.*—T. S. Venkataraman, B.E. *Mech. Engin.*—S. Anantakrishnan, B.E. *Elec. Engin.*—A. Srinivasan, M.Sc. Ill., B.E., M.Sc. *Maths.*—K. Ramanujachari, M.A., L.T. 6 Instrs. and 19 other Assts.

COIMBATORE, *Govt. College of Technology*. Principal—Major B. H. Marley, B.E. Other Profs.: *Civil Engin.*—V. Kalyanaraman, B.E., M.A.Sc. Tor., M.A. Sc.E. *Elect. Engin.*—R. C. Advani, B.Sc. Bom., B.Sc. (Tech.) Manc. *Maths.*—P. V. Abdur Rahim, B.A., Ph.D. 5 Instrs. and 20 Assts.

PEELAMEDU (Coimbatore Dt.), *P.S.G. & Sons Charities College of Technology*. Principal—G. R. Damodaran, B.Sc. (Elect.), B.Sc. (Mech.) Durh. (also Prof. of Elect. Engin.). *Civil Engin.*—T. A. E. D'Sa, B.E. *Maths.*—C. Srinivasan, M.A. 3 Lectrs. and 10 other Assts.

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.*—L. Chacko, M.B., B.S., M.Sc., D.Phil. *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*—K. I. Vytilingam, M.D. *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.*—D. L. Graham, B.A., M.D., B.Ch., B.A.O. *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. 11 Assistants.

Teaching

KARAIKUDI, *Dr. Alagappa Chettiar Trg. College*. Principal—I. N. Menon, M.A., B.Litt. Profs. : S. Thiruvengkatahari, M.A., M.Ed. ; V. N. Subrahmanyan, B.A., L.T. 7 other Teachers.

KOZHICODE, *Govt. Trg. College*. Principal—P. K. Panikkar, M.A., L.T. Profs. : H. S. S. Lawrence, M.A., Ed.D. ; V. P. K. Nair, M.A., L.T. 8 other Teachers.

MANGALORE, *Govt. Trg. College*. Principal—P. Ramanand Rao, M.A., L.T. Profs. : S. Cooppan, M.A., M.Ed., Ph.D. ; O. C. Anchan, M.A., L.T. 8 other Teachers.

MANGALORE, *St. Ann's Trg. College*. Principal—Sister M. Carmelita, M.A., L.T. Other Profs. : Mother M. Gertrude, B.A., L.T. ; Sr. Clarissa, M.A. ; Sr. M. Gisella, M.A., L.T. ; B. Rao, B.A., L.T. 4 other Teachers.

PALAYAMKOTTAI, *St. Xavier's Trg. College*. Principal—Rev. A. Bonhoue. Profs. : Rev. W. Utaris, M.A., D.D. ; S. Antoni Pitchai, M.A., L.T. 5 other Teachers.

PERIYANAICKEN PALAYAM (Coimbatore Dt.), *Sri Ramakrishna Vidyalyaya Teachers Trg. College*. Principal—A. Ramanatha Pillai, M.A., L.T. Profs. : Miss M. Cornelius, M.A., D.Ed. Mich. ; T. V. S. Naidu, M.A., L.T. ; K. Panchapagesa Ayyar, M.A., L.T. ; S. Sivarama Ayyar, M.A., L.T. 3 other Teachers.

APPROVED INSTITUTIONS**Oriental Learning**

Two Institutions in Madras and 23 in the Mofussil are recognized as qualified to provide instruction for the Oriental Titles.

Fine Arts

MADRAS, Kalakshetra, Adyar. Recognized for Sangita Siromani course. Principal—B. S. Krishnamurti Sastrigal. 5 other Teachers.

GENERAL INFORMATION

This Univ., founded in 1857, was reorganized in 1923 as a Teaching and Residential Univ., and it continues to exercise control over the quality of the teaching given by its constituent and affiliated colleges. The Vice-Chancellor is a whole-time salaried officer. The authorities of the Univ. include a Senate, Syndicate, Academic Council, Faculties, and Boards of Studies.

Laboratories for research in Zool., Bot., 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.

The usual LANGUAGE OF INSTRUCTION is English.

FACULTIES. Arts, Science, Law, Medicine, Engineering, Technology, Teaching, Agriculture, Vet. Science, Commerce, Oriental Learning, and Fine Arts.

FACULTIES AND PRESIDENTS. *Arts*—V. R. Ramachandra Dikshitar, M.A., Dip Econ.; *Sci.*—R. Vaidyanathaswami, M.A., Ph.D., D.Sc.; *Law*—S. Govindarajulu Naidu, B.A., B.L., LL.B.; *Med.*—R. V. Rajam, M.B., M.S.; *Engin.*—Vacant; *Technol.*—M. A. Govinda Rao, M.A., Ph.D.; *Teaching*—Miss K. N. Brockway, M.A.; *Agric.*—B. M. Lakshmipathi, M.E.; *Vet. Sci.*—I. M. Azizuddin, B.A., B.V.Sc., Ph.D.; *Commerce*—R. M. Alagappa Chettiar, M.A., LL.D.; *Oriental Learning*—T. M. Narayanaswami Pillai, M.A., B.L.; *Fine Arts*—P. Sambamurti, B.A., B.L.

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 Examn.), M.Sc., Ph.D., D.Sc.; B.E.; B.Com.; B.Com. (Hons.); B.Sc. (Ag.); B.V.Sc.; M.B., B.S., M.D., M.S., B.S.Sc. (San. Sci.), B.Pharm.; B.D.S., B.I.M., B.Sc. (Nursing); B.Sc. (Tech.); B.O.L., B.O.L. (Hons.), 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.

EXCEPT for *bona fide* Teachers in institutions within the Univ. area, candidates are not admitted to any of the examns. without undergoing the prescribed course of study in a coll.

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 Nov. 1932 and located in a building in Madras for the benefit of students in Constituent Colleges

—giving facilities for games—managed by a governing body consisting of the Principals of Constituent Colleges.

• **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 vols. published).

THE YEAR 1949-50

RETIREMENTS AND RESIGNATIONS. M. O. Thomas, Univ. Librarian; Dr. C. Kunhan Raja (Prof. of Sanskrit); A. Narayanaswami (Res. Asst. in Biochem.).

CHANGES IN REGULATIONS. Regns. framed for the Degree of Bachelor of Dental Surg.; Regns. revised for the Degrees of B.A. in Groups (iii-b) and (iii-c)—Philos. and Psychol., respectively, B.A. (Hons.) in Branch II-B—Psychol.; B.A. (in science Groups), B.Sc. (Pass) and (Hons.), M.A., M.Litt., M.Sc., and Ph.D.; the nomenclature of the Degree in Pharm. changed to B.Pharm., and revised Regns. framed therefor.

STUDENTS.

ARTS AND SCIENCE

	<i>Part-Time</i>	<i>Full-Time</i>
Men	236	31,176
Women	35	4,957
Total	271	36,133

PROFESSIONAL

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	4477
Women	—	755
Total	—	5232

DEGREES. *Agric.*: B.Sc. (Ag.), 73. *Arts*—B.A., 2206; B.A. (Hons.), 290; M.A., 144; Ph.D., 13; M.Litt., 3. *Commerce*: B.Com., 282. *Educn.*: B.T., 373; M.Ed., 7. *Engin.*: B.E., 253. *Law*: B.L., 266; M.L., 1. *Med.*: M.B., B.S., 226; M.D., 11; M.S., 2; B.Sc. (Pharm.), 12; B.S.Sc., 4. *Oriental Learning*: B.O.L., 13; B.O.L. (Hons.), 7; M.O.L., 1. *Sci.*: B.Sc., 1242; B.Sc. (Hons.), 101; M.Sc., 36; Ph.D., nil. *Technol.*: B.Sc. (Tech.), 28; *Vet. Sci.*: B.V.Sc., 51.

TITLES. *Oriental Learning*, 276; *Sangita Siromani*, 3.

DIPLOMAS. French and German, 9; Economics, 4; Indian Music, 16; Politics and Public Admin., 7; Librarianship, 14; Journalism, 5; Physical Educn., 11; Statistics, 17; Anthropol., 3; Gynæcol. and Obstet., 15; *Ophthalmol.*, 5; *Oto-Rhino-Laryngol.*, 4.

UNIVERSITY OF MYSORE *

Founded 1916

Telegrams : " Unireg," Mysore.

Telephone : 677.

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYACHAMARAJA WADIYAR
BAHADUR OF MYSORE, G.C.S.I., G.C.B.

VICE-CHANCELLOR—B. L. MANJUNATH, B.A., M.Sc. Lond., D.Phil.
Oxon.

REGISTRAR—C. RANGACHAR, B.Sc., M.Ed. Leeds.

LIBRARIAN—G. HANUMANTHA RAO, M.A.

TEACHING STAFF

Botany

Narayana Rao, L., M.Sc., Ph.D.
Lond.

Dean, Fac. of Sci., Prof.
(CC).†

Iyengar, C. V. K., D.Sc.
Asst. Prof. (FR.GR.C.M.).

Kausik, S. B., D.Sc.
Asst. Prof. (CC).

Chemistry

Jois, H. S., M.Sc. Prof. (CC).
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. and Principal (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.).

Srinivasan, V., B.A., B.Com.
Asst. Prof. (Com. C.).

Education

Deve Gowda, A. C., M.Ed. Leeds,
M.A., B.T., Dip. Edn.

Principal and Prof.-in-
charge (TC).

Rangachar, C., B.Sc., M.Ed. Leeds
Asst. Prof. (TC) Regis-
trar.

Ananthan, K. R. K., M.A. Oxon.,
M.Ed. Leeds

Asst. Prof. (TC).

Doreswamy, K. V., M.A., B.T.
Asst. Prof. (TC).

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).

Narasimhiah, C. D., M.A. Camb.
Prof. (MC).

Krishnaswamy, Mrs. S., M.A.
Lond. Principal (MWCM).

Thiagarajan, V. A., M.A.
Asst. Prof. (FR.GR.C.T.).

Krishnaswamy, C., M.A. (CC).

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

† (CC) etc. : symbols for reference to the Colleges, v. p. 1166.

Singh, M. E. B., B.A. Camb., B.A.
Supt. (I.C. Mandya).
Krishna Murthy, S., M.A.
Asst. Prof. (MC).
Shama Rao, B. N., M.A.
Asst. Prof. (ICD).
Nambiar, O. K., M.A.
Asst. Prof. (MC).
Ponnaiya, Miss A., M.A., M.Sc.,
B.T. Asst. Prof. (MWCB).

Geology and Geography

Rao, L. R., 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.
Asst. Prof. (CC).
Srinivasa Rao, M. R., M.Sc.
Asst. Prof. (FR.GR.C.M.).
Ahmed, S. N., M.A., LL.B.
(Geog.) Asst. Prof. (MC).

History, Economics and Politics

D'Souza, V. L., B.A., B.Com.
Lond. (Econ.) Prof. (MC).
Srikantiah, L., M.A., M.Sc. Lond.
(Pol.) Prof. (MC).
Assistant Professors
Gopal, M. H., M.A., Ph.D. Lond.
(Econ.) (MC).
Hutchappa, G. T., M.A. (MC).
Krishna Rao, M. V., M.A., B.T.
(Pol.) (MC).
Jayalakshammanni, M., M.A.
(Hist.) Principal (MWCB).
Raghavendra Rao, V., M.A. (His-
tory) (MC).
Parvathamma, H. M., M.A.
(MWCB).

Kannada

Puttappa, K. V., M.A. Prof. (MC).
Narasimhachar, D. L., M.A. (MC).
Sitaramaya, V., M.A.
Supt. (I.C. Chik.).
Srikantiya, T. N., M.A.
Asst. Prof. (ICB).

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.Sc. Lond.
Prof. and Principal
(FR.GR.C.T.).
Ekambaram, S. K., M.A. Camb.
Prof. (MC).
Iyengar, K. V., D.Sc.
Prof. (FR.GR.C.M.).
Noronha, F. J., M.A. Lond.
Prof. (EC.).

Assistant Professors

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. (ICK).

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).
Yamunacharya, M., M.A. (MC).
Swamidas, P., M.A.
Asst. Prof. (ICB).

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).
Sibaiya, L., D.Sc.

Prof. and Principal

(FR.GR.C.M.).
Ramaswamy, S., B.Sc., Ph.D.
Lond., F.I.P. (FR.GR.C.T.).
Assistant Professors
Subbaraya, T. S., D.Sc. (CC).
Venkataramiya, H. S., M.Sc. (CC).
Iyengar, K. S., M.Sc., LL.B.
(FR.GR.C.M.).
Ramanathan, S., M.A. (ICS).

Sanskrit

Lakshminarasimhiya, M., M.A.
Prof. (MC).
Iyengar, V. T. T., M.A.
Asst. Prof. (MC).

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)
Prof. (MC) and in charge
of Depts. of Urdu,
Persian, and Arabic.

Engineering

Engineering, Civil

Gopalakrishnan, C., B.Sc., B.E.
Dean, Fac. of Engin. and
Technol., and Prof.
(EC).
Venkatachala Murthy, H., B.Sc.,
B.E. Asst. Prof. (EC).

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).

Engineering, Mechanical

Narayana Iyengar, B. R., B.Sc.,
B.E., S.M. (Mech.)
Asst. Prof. (EC).
Gopalakrishna, B. P., B.Sc., B.E.
Asst. Prof. (EC).

Medicine

Appajee, Y., M.Sc. Lond., B.A.,
M.B., B.S.
Dean, Fac. of Med., Prof.
and Principal (Med.C.).
Captain, K. S., M.D., B.S. Lond.,
L.M. Dub.
Principal (Med.S.).

Reddy, B. R. R. (Surg.)
Pt.-time Prof
Authikeshavalu, M., M.S., M.B.
B.S., F.R.C.S.Can.
Pt.-time Prof. (Med.C.)
Ramakrishna Rao, B. K., B.Sc.
M.B., B.S.
(Med.) 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.
(Ophthalmol.) Pt.-time
Prof. (Med.C.).

D'Souza, D. C., M.B., B.S., M.S.
(Path.), D.B. Manc. (Forensic
Med.) Pt.-time Prof. (Med.C.).
..... (Pharmacol.) Prof.
Raghunatha Rao, G. S., B.Sc.,
M.B., B.S., D.Phil. (Pharma-
col.) (Med.C.).
Govinda Setty, S. V., B.Sc., M.B.,
B.S. (Clin. Med.) (Med. C.).
Hiriyannaiya, S., B.A., M.B., B.S.
(Physiol.) (Med.C.).
Lingaraju, B. N., M.B., B.S.,
D.H.H., M.P.H. (Hyg.)
(Med. C.).

Assistant Professors

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.
(Hyg.) (Med.C.).
Vasudeva Rao, A., M.B., B.S.
(Pathol.) (Med.C.).
..... (Anatomy).
Dayakara, M., M.B., B.S. (Anat.)
Actg. (Med.C.).
Heblikar, K. G., M.B., B.S.
(Med.C.).
Iyengar, N. L. K., B.Sc., M.B.,
B.S. (Biochem.) (Med.C.).

Krishnamacharlu, N. C. A., B.Sc.,
M.B., B.S. (Surg.)

Pt.-time (Med.C.).

..... (Ophthalmol.) (Med.C.).

Lecturers—Anæsth. 1, Anat. 6,

Dental Surg. 2, Hyg. 2, In-

fect. Dis. 2, Mental Dis. 2,

Midwif. 2, Otorhinolaryn. 2,

Pathol. 3, Physiol. 6, Tuberc.

2, Vaccin. 2, Venereal 1, X-ray

and Radium Therapy 1, Oph-

thalmol. 2, Pharmacol. 2,

Surg. 3, Forensic Med. 1, Med.

Chem. 1, Non-Med. Chem. 2.

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.*

MYSORE, *National Institute of Engineering.*

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.*

* (CC) etc. : symbols for reference to the Colleges in Teaching Stuff list, *supra*.

BANGALORE, *Mount Carmel College.*

BANGALORE, *St. Joseph's College.*

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 Jan. 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—9 at Bangalore and 4 at Mysore. A separate Teachers' College has been established in Mysore.

The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES. Univ., 54,501 vols. ; Oriental, 18,710 vols. and 11,039 MSS. ; Colleges, each Constituent and Intermediate Coll. has its own Library.

FACULTIES AND DEANS. *Arts*, Prof. S. V. Ranganna ; *Science*, Prof. L. Narayana Rao ; *Medicine*, Prof. Y. Appajee ; *Engin. and Technol.*, Prof. C. Gopalakrishnan ; *Law*, M. Narayana Rao.

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 $3\frac{1}{2}$ yrs. after admission. L.M.P. Diploma course open to candidates for the Mysore S.S.L.C. examns. who have been declared eligible for college courses of study, or those who have passed any other examn. accepted by the Univ. Council as equivalent thereto.

DEGREE COURSES. 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) ; $5\frac{1}{2}$ 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 Interim. Examn. B.Sc. Agriculture—3 yrs. after Interim. Examn. B.Sc. Textiles—3 yrs. after Interim. 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 expenses 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' Asscn., 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. 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 1949-50

HONORARY DEGREES. *LL.D.*—H.E. Sri C. Rajagopalacharya, Gov.-Gen. of India. *D.Litt.*—Maulana Abul Kalam Azad, Educn. Minister, Govt. of India.

STUDENTS. Degree Colls., 6224 ; Inter. Colls., 5473 ; Professional Colls., 3370. Included in the total of 15,067 are 110 postgraduate students.

DEGREES. Agric., 25 ; Arts, 298 ; Comm., 96 Educn., 72 ; Engin., 120 ; Med., 32 ; Sci., 500 ; Textile Technol., 23.

NAGPUR UNIVERSITY †

Founded 1923

Postal Address : Nagpur, Madhya Pradesh.

CHANCELLOR—H.E. THE GOVERNOR OF MADHYA PRADESH.

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.

TEACHING STAFF

Agricultural Chemistry

Misra, R. N., M.Sc. Alld. (A).

Ballal, D. K., M.Sc. (A).

Date, Dr. W. B. (A).

Agriculture

Asthana, R. P., M.Sc., Ph.D.,
D.I.C. (A).*

Dhannalal, M.Sc. (Agr.) (A).

Dakshindas, D. G., B.Sc. (Agr.)
(A).

Sinnarkar, N. P., B.Sc. (Agr.) (A).

Sahasrabudhe, K. R., M.Sc. (A).

Jyotishi, R. P. (A).

Patil, S. T., M.Sc. (Agr.) (A).

Joglekar, N. M., M.A. Econ. (A).

Athawale, C. R. (A).

Ghosh, R. K. (A).

Iyer, K. S. S., B.E. Mys. (A).

Rasal, V. B., B.Sc. (Agr.) (A).

Rawat, R. R. (A).

Jain, A. C. (A).

Misra, S. K. (A).

Shrivastava, R. C. (A).

Gupta, Dr. R. L. (A).

Kharche, S. T., B.Sc. (Agr.)
(GSc).

Rahudkar, W. B., B.Sc. (Agr.)
(GSc).

Chafekar, R. V. (GSc).

Arabic and Persian

Rafiuddin, S., M.A., B.Th. Alig.
(NM).

Ahmad, T. (NM).

Sharma, A. C. (NM).

Shamsad, Kumari Kaniz (W).

Siddiqui, H. R., M.A. (VM).

Biochemistry

Nath, M. C., D.Sc.

Chakravarti, C. H.

Botany and Plant Pathology

Bhatt, R. S., M.Sc., Ph.D. (A).

Vaidya, S. B., B.Ag. (A).

Pimplikar, E. D., B.Ag. (A).

Shukla, Dr. V. B. (Sc).

Mirashi, M. V., M.Sc. (Sc).

Hajarnavis, Smt. L. (Sc).

Verma, J. K. (Sc).

Chitaley, Smt. S. (Sc).

Trivedi, Smt. T. (Sc).

Nirula, R. L., B.Sc., Ph.D. Lond.,
D.I.C. (VM).

Varadpande, K. V., M.Sc. (VM).

Dalal, S. B., M.Sc. (VM).

Kajale, Dr. L. B. (GSc).

Munshi, K. M., M.Sc. (GSc).

Deshpande, P. K. (GSc).

* (A), (GSc) etc. : symbols for reference to the Colleges, v. p. 1176.

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

Chemistry

Krishnamurti, 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.	(Sc).
Karbelkar, N. V., M.Sc.	(Sc).
Asolkar, G. V., M.Sc.	(Sc).
Joshi, K. M., B.Sc.	(Sc).
Dewagan, A. S.	(Sc).
Mahalaha, H. L., M.Sc.	(Sc).
Talat, E. R., M.Sc.	(Sc).
Soman, S. V., M.Sc.	(Sc).
Kane, Y. D.	(Sc).
Kale, V. D., B.Sc. Alld.	(H).
Kalmalkar, B. S., M.Sc.	(H).
Joshi, V. W., M.Sc.	(H).
Mehta, R. S.	(H).
Naik, M. V., B.Sc.	(H).
Shukla, B. S.	(H).
Deshpande, G. M.	(C).
Varhadpande, B. N.	(C).
Tikhile, R. G.	(C).
Dube, Y. M.	(C).
Gokhale, L. K., M.Sc.	(VM).
Deoras, B. R.	(VM).
Dahake, T. L., M.Sc.	(VM).
Parnandiwar, M. D., M.Sc.	(VM).
Paradkar, M. K., M.Sc.	(VM).
Khandekar, P. S., M.Sc.	(VM).
Nigam, K. C.	(VM).
Kulkarni, D. B.	(VM).
Namjoshi, S. Y., M.Sc.	(GSc).
Tare, V. E., M.Sc.	(GSc).
Wyawahare, V. Y., M.Sc.	(GSc).

Commerce

Tokhi, M. R., M.A. Econ., B.Com., LL.B. Luck.	(CN).
Jain, V. S., M.Com.	(CN).
Kasture, G. K., M.Com.	(CN).
Garge, B. N.	(CN).
Charde, S. G.	(CN).
Aserkar, S. V.	(CN).
Chanserkar, M. A.	(CN).
Varshneya, J. S.	(CN).

Agarwal, S. N., M.A. Alld., M.A. (Econ.) Calc., F.R.E.S. (CW).	
Shah, M. M., M.A., Ph.D. Bom.	(CW).
Patwardhan, P. J., B.Com. Bom.	(CW).
Chandurkar, V. U., M.A., B.Com.	(CW).
Shrinarayan	(CW).
George, S. K.	(CW).
Hatekar, D. J., M.A.	(CW).
Bokre, M. G., M.Com.	(CW).
Vora, R. D., M.Com.	(CW).
Vanmali, B. D.	(CW).
Bang, T. K., M.A., LL.B.	(CW).
Agarwal, Harishankar	(CW).
Deshmukh, N. C., M.Com.	(Sh).
Khanolkar, A. L., M.Com.	(Sh).
Jain, R. K.	(Sh).
Lanjewar, M. M., M.Com.	(Sh).
Joshi, R. M., M.A., LL.B.	(Sh).
Rama Rao, B.	(Sh).
Kale, W. S., M.Com.	(Sh).
Khare, H. K., M.Com.	(Sh).
Raman, K. N.	(Sh).
Sharma, Y. C.	(Sh).
Dhotey, M. G.	(Sh).
Tatte, R. G.	(Sh).

Economics

Banker, D. K., M.A.	(NM).
Bal, S. D., M.A., LL.B.	(NM).
Gore, S. D.	(NM).
Varma, K. C.	(NM).
Chaube, K. P., M.A.	(NM).
Gimi, J. F., M.A.	(H).
Chandurkar, M. N., M.A.	(H).
Singh, V. D., M.A.	(H).
Munje, B. H., M.A.	(C).
Dhabadgaon, D. B., M.A.	(C).
Despande	(C).
Ayengar, Kumari S.	(W).
Joshi, Kumari S.	(W).
Deshpande, S. A., M.A.	(N).
Pimperkar, G. P., M.A.	(VM).
Lothe, A. N., M.A.	(VM).
Jagirdar, P. J., M.A.	(Sh).
Kharche, R. N., M.A.	(Sh).
Page, R. K., M.A., LL.B.	(SA).
Choudhari, M. R.	(R).

- Chorghade, V. K., M.A., M.A. (Econ.), B.T. (CN).
 Shah, M. M., M.A. (Econ.), Ph.D. Bom. (CW).
 Hatekar, D. J. (CW).
 Vora, R. D. (CW).
 Bang, T. K. (CW).
 Harishankar, A.
 Joshi, R. M. (Sh).
Engineering (E)
 Chatterjee, C.
 Buldeo, R. G., B.Sc. (Eng.).
 Dwarkanath, V. R., B.Sc., B.E.
 Rao, K. K.
 De, K. C.
 Mitra, S. K.
 Tamaskar, D. G., B.Sc. (Eng.).
 Bhattacharya, R. L.
 Pandit, G. S.
 Tilloo, K. N.
 Ghosh, A., B.Sc. (Eng.) Ban., B.Sc.
 Joshi, M. G., B.Sc. (Eng.).
 Khare, D. C., B.Sc., B.Sc. (Tech.).
 Kulkarni, H. S., B.Sc., B.Sc. (Tech.).
 Shukla, T. N., M.Sc., B.T.
 Ratnam, P. V.
 Moharir, S. K., B.Sc.
 Joshi Rao, G. K., B.A., B.T.
 Deshpande, G. K.
 Dehadrai, V. B.
 Thombre, K. K.
 Dave, M. K.
 Waze, B. D.
 Nipani, G. P.
 Roy, B. B.
 Chakraborty, N.
 Pralhad, S.
English
 Mitra, M. N., M.A. Dacca (NM).
 Guha, R. C., M.A. Dacca (NM).
 Deshpande, Shrimati K., B.A. Lond. (NM).
 Thanekar, P. N., M.A., LL.B. (NM).
 Hookens, W. E., M.A. (NM).
 Ghoshal, N. N., M.A. (NM).
 Ahuja, Shrimati P. (NM).
 Vaidya, K. M., M.A. (Sc).
 Pandit, V. N., M.A. (Sc).
 Purohit, K. J., M.A. (Sc).
 Adhikari, Shrimati M (Sc).
 Shivaraman, Kumari V. P., M.A. (Sc).
 Parulkar, K. K., M.A. (Sc).
 Joseph, W. N., M.A. (H).
 Kate, L. M., M.A. (H).
 Thomas, C. T. (H).
 David, A. (H).
 Chatterjee, Kumari G. L. (H).
 Viridi, D. S., M.A. (C).
 Roy, R. N., M.A. (C).
 Das Gupta, H., M.A. (C).
 Sen, Kumari A., M.A. (C).
 Dabir, W. M., M.A. (C).
 Vaidya, M. S., M.A. (C).
 Saldanaha, Kumari M. A., M.A. Madr. (W).
 Madura, Kumari S., B.A., B.T. (W).
 Sen, Kumari S. (Sen.), M.A. (N).
 Sen, Kumari Supria (Jr.), B.A. (N).
 Sengupta, A. K., M.A. (CN).
 Ram, B. (CN).
 Agarwal, Shriman Naryan (CW).
 George, S. K. (CW).
 Greene, W. (CW).
 Maolankar, R. B., M.A., LL.B. (VM).
 Shrivastava, P. N., M.A., LL.B. (VM).
 Pande, R. P., M.A. Alig. (VM).
 Wanmali, V. R. (VM).
 Khera, T. R., M.A. (VM).
 Shende, D. K., M.A. (VM).
 Verma, N. S. (VM).
 Eashwaran, E. (VM).
 Rama Rao, B. (Sh).
 Raman, K. N. (Sh).
 Subba Rao, V. (Sh).
 Soman, R. V. (SA).
 Srinivasan, M. R., M.A. Madr. (SA).
 Chatterjee, T. K. (GSc).
 Vaidya, M. S., M.A. (R).
Geography
 Mukerjee, S., M.A. (NM).
 Tamaskar, B. G., M.A. (NM).

Bidwai, B. K., M.A. (NM).
Varma, K. N. (NM).

Geology

Sripada Rao, K., M.Sc., F.G.S. Reader.
Pande, P. C., M.Sc. Lectr.
Shirodkar, S. N., M.Sc. Lectr.
Kulkarni, P. H. Lectr.

Hindi

Tiwari, S. P., LL.B. Agra, M.A. (NM).
Borgaonkar, Shrimati S. (NM).
Shrivastava, V. P., M.A. (H).
Gupta, G. N., M.A. (C).
Potadar, Kumari T., M.A. (W).

History

Sinha, H. N., M.A. Alld., Ph.D. Lond. (NM).
Sinha, R. M., M.A., LL.B. (NM).
Gore, S. D. (NM).
Buradkar, M. P., M.A. (NM).
Budholia, K. K., M.A. (NM).
Sharma, Kumari K. (H).
Pahade, J. S., M.A., B.T. (C).
Telang, P. S., M.A. (VM).

Home Science

Karunakaran, Kumari V., B.Sc. (W).
Deshpande, Kumari M. (W).

Law

Saranjame, R. B. R. D., B.A., LL.B. (Sh).
Sagne, M. D. (Sh).
Shidore, D. V., M.A., LL.B. (Sh).
Deshpande, G. T., M.A., LL.B. (Sh).
Chaubal, V. B., B.A., LL.B. (Sh).
Sarfuddin, M., B.A., LL.B. (Sh).
Agrawal, N. S., B.A., LL.B. (Sh).
Bobde, G. C., B.A., LL.B. (Sh).
Sinha, D. R., B.A., LL.B. (Sh).

Local Self-Government

Sharma, M. P., M.A., D.Litt.
Hd. of Dept.

Part-time Lecturers
Subrahmaniyam, Y. K., M.B., B.S., D.P.H.
Singh, V., B.Sc. (Eng.).
Bhodesgaonkar, V. K., B.E.
Mishra, P. N., B.Com., LL.B.
Sinha, R. M., M.A., LL.B.
Awasthi, A., M.A.
Sumbha, C. M., M.A., LL.B.

Marathi

Kolte, V. B., M.A., LL.B. (NM).
Deshmukh, M. G., M.A., Ph.D., LL.B. (NM).
Pendse, S. D., M.A., M.O.L., Ph.D. (H).
Deshpande, A. N., M.A. (H).
Sawalapurkar, P. K., B.A. Bom. (C).
Kulkarni, S. M., M.A. (C).
Pandaripande, S. L., M.A. (C).
Marathe, Kumari K., M.A. (W).
Pathak, Y. M., M.A., LL.B. (N).
Natu, Kumari M. G., M.A. (VM).
Pandit. B. S., M.A. (VM).
Vyawahare, M. L., M.A. (Sh).
Kelkar, N. R., M.A. Bom., B.T. (SA).
Oke, M. T. (GSc).
Mohagaonkar, V. P., M.A., LL.B. (R).

Mathematics

Shrikhande, S. S. (Sc).
Date, Kumari A. S., B.A. (Sc).
Mishra, S. D., B.Sc. (Sc).
Jain, L. C. (Sc).
Rajgopalan, A., M.Sc. (Sc).
Patwardhan, G. K., M.Sc. (Sc).
Chandy, P. J., M.A. Madr. (H).
Kane, P. W., M.Sc. (H).
Pathak, D. N. (H).
Mutatkar, V. L., M.A., B.Sc. (C).
Daftari, D. K. (C).
Phansalkar, J. R. (VM).
Kshirsagar, N. S., B.Sc. (VM).
Pandit, P. B., M.Sc. (VM).
Deshpande, V. T., M.Sc. (VM).
Paradkar, B. K., M.Sc. (VM).
Mahajan, V. T., M.Sc., LL.B. (GSc).
Modak, A. S., M.Sc. (GSc).

Music

Ayalwar, G. L. (W).

Philosophy

Ramnathan, P. S., M.A. Madr. (NM).

Pathak, S. N., M.A., LL.B. (NM).

Sathe, A. B., M.A., B.T. (NM).

Moses, D. G., M.A. Madr. and Col. (H).

Padhye, P. D. (H).

Deshpande, B. R., M.A., LL.B. (C).

Sawangikar, B. K. (C).

Shridevi, Kumari S., M.A. (W).

Gantam, Kumari P., M.A. (W).

Londhe, D. G., M.A. Bom., Ph.D. (N).

Leipzig (N).

Deshmukh, C. D., M.A., Ph.D. (VM).

Lond. (VM).

Deshpande, D. Y. (VM).

Prasad, J., M.A. Alld., Ph.D. (Sh).

Camb. (Sh).

Buit, Kumari S. S. (Sh).

Murkute, R. B., M.A., LL.B. (SA).

Gadre, G. D. (R).

Physics

Thatte, V. N., D.Sc. (Sc).

Sen, B. R., M.Sc., Ph.D. Lond., D.I.C. (Sc).

Shahane, S. M. (Sc).

Nandanpawar, L. S., M.Sc. (Sc).

Bapat, R. N., M.Sc. (Sc).

Sethi, P. C., M.Sc. (Sc).

Ayachit, V. G., M.Sc. (Sc).

Khandekar, P. V., M.Sc. (Sc).

Bhidey, M. R., M.Sc. (Sc).

Sharma, R. P., M.Sc. (Sc).

Bhide, V. G. (Sc).

Datt, V. (Sc).

Das, J. N. (Sc).

John, P. T. (H).

Misra, G. D. (H).

Harris, A. (H).

Gupta, C. H. (H).

Tatke, P. A. (H).

Bhingare, G. J. (C).

Pendse, R. N. (C).

Godbole, D. M., M.Sc. (C).

Badriprasad (C).

Dabadghao, V. M., M.Sc. (VM).

Chinchalkar, S. W., D.Sc. (VM).

Kher, V. G., M.Sc. (VM).

Nafde, R. L. (VM).

Chakradeo, A. C., M.Sc. (VM).

Pande, S. S., M.Sc. (VM).

Apte, G. G., M.Sc. (VM).

Kelkar, M. G., M.Sc. (VM).

Nair, G. (GSc).

Deshmukh, D. J. (GSc).

Political Science

Puntambekar, S. V., M.A. Oxon. Prof.

Sen, A., M.A., B.L. Calc. (C).

Sinha, H. N., M.A. Alld., Ph.D. (NM).

Lond. (NM).

Buradkar, M. P., M.A. (NM).

Sinha, R. M., M.A., LL.B. (NM).

Avasthi, A. (NM).

Kulkarni, G. M. (H).

Rudra, Kumari S. (H).

Tijare, R. A. (C).

Sumbha, G. M., M.A., LL.B. (C).

Bhuskute, Kumari S., M.A. (W).

Shastri, Kumari T. (W).

Jagirdar, P. J. (Sh).

Kashikar, S. G., M.A. (Sh).

Joglekar, K. S., M.A. (Sh).

Deshpande, D. T. (R).

Sanskrit, Pali, and Prakrit

Jain, H. L., M.A., LL.B. Alld., D.Litt. (NM).

Chaturvedi, S. P., M.A. Alld. (NM).

(NM).

Somalwar, S. G., M.A. Alld. (NM).

Kulkarni, L. R. (Honorary) (NM).

Karambelkar, V. W., M.A. (NM).

Vaidya, M. G. (H).

Varadpande, D. V., M.A. (C).

Kelkar, Kumari I., M.A. (W).

Warnekar, S. B. (W).

Ashtikar, B. R. (VM).

Peshkar, K. V. (VM).

Deshpande, G. T., M.A. (Sh).

Joshi, G. D., M.A., LL.B. (SA).

Urdu

Ahmad, T., M.A. (NM).

Sharma, A. C., M.A. (NM).
 Quyumuddin, K. (C).
 Hasan Abidi, S. M. A. H. (VM).
 Shamsad, Kumari K. (W).

Zoology

Karamsingh (Sc).
 Gopala Krishna, A., B.Sc. Mys. (Sc).

Owers, N., M.Sc. (Sc).
 Sharma, D. R. (Sc).
 Singh, T. S. B. (Sc).
 Deshpande, K. S., M.Sc. (Sc).
 Saxena, K. N. (Sc).
 Indurkar, A. K. (VM).
 Das, E. N., M.Sc. (VM).
 Motghare, D. S., M.Sc. (VM).
 Ramaswamy, K. R., M.Sc. (GSc).

Medicine*Anatomy*

Sahasrabudhe, Dr. N. S.
 Robert, Dr. S. L.
 Singh, Dr. K. B.
 Rao, Dr. Y. G.
 Kolte, Dr. D. T.
 Dey, Dr. T. N.
 Pradhan, Dr. R. K.
 Dutta, Dr. P. K.
 Koranne, Dr. S. P.
 Shenolikar, Dr. B. K.

Medicine

Khosla, Dr. H. L.
 Berry, Dr. J. N.
 Mishra, Dr. M. P.
 Dasgupta, Dr. A.
 Banerjee, Dr. R. N.

Medicine, Forensic

Rosario, Dr. E. F.
 Choube, Dr. R. N.

Medicine, Preventive and Social

Subramanian, Dr. Y.

Ramadwar, Dr. D. K.

Midwifery and Gynæcology

Paranjothy, Dr. D.
 Narulkar, Dr. K.
 Anjaneyulu, Dr. R.
 Sarojini, Dr. A.

Ophthalmology

Prem Chandra, Dr.
 Kesavachar, Dr. K. R.

Pathology

Sharma, Dr. G. L.
 Aikat, Dr. B. K.
 Shrivastava, Dr. J. B.
 Shukla, Dr. R. N.
 Ramrao, Dr. K.
 Tamaskar, Dr. P. V.
 Dighe, Dr. R. C.
 Sharma, Dr. K. D.

Pharmacology

Sinha, K. N., M.B., B.S.,
 F.R.F.P.S.Glas.
 Rajapurkar, Dr. M. V.
 Tiwari, Dr. N. M.

Physiology

Narendra Singh, Dr.
 Brahmachari, Dr. H. D.
 Sen, Dr. S. C.
 Majumdar, Dr. S. S.
 Karkun, Dr. H. N.
 Vaishwanar, Dr. P. S.
 Thombre, Dr. S. B.

Psychiatry

Sen Gupta, Dr. A. K.

Surgery

Nigam, Dr. R.
 Balkrishnan, Dr. C.
 Chatterjee, Dr. R. N.
 Shukla, Dr. M. L.

UNIVERSITY COLLEGES

LAW COLLEGE, NAGPUR. Principal—Y. S. Tambe, B.A., LL.B. Lectrs.—
 P. Lobo, B.A., LL.B.; V. T. Kedar, B.A., LL.B.; R. W. Fulay; G. B.
 Badkas; A. R. Choubey; R. M. Hazarnavis.

UNIVERSITY TRAINING COLLEGE. Principal—M. Varma, M.A., M.Ed. Lectrs.—S. M. Tamhane, M.A., B.T.; R. V. Dakshindas, B.Sc., B.T., LL.B.; M. G. Karkare, M.A., B.T.; P. N. Agnihotri, M.A., L.T.; G. A. Puranik, B.A.; R. S. Muley, M.A., B.T.; Mrs. Y. Joshi, M.A., B.T.; Miss A. Kashyap, M.A., B.T.; Phys. Training Instr., G. N. Patil.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY. Staff—M. S. Telang, M.Sc. Bom.; U. R. Warhadpande, B.Sc. (Tech.); P. S. Mene, B.Sc., Ph.D. Lond., D.I.C.; V. V. Sardesai, B.E. (Mech. and Elect.) Bom.; S. N. Behere, M.Sc., B.T.; C. V. N. Rao, B.Sc., M.Sc. (Tech.); G. Narsimhan, B.Sc. (Tech.); T. N. Mehta; Dr. T. C. Wasson.

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

SITABAI ARTS COLLEGE, AKOLA (SA).*
 SHREE SHIVAJI COLLEGE, AMRAOTI (Sh).
 VIDARBHA MAHAVIDYALAYA, AMRAOTI (VM).
 RAJASTHAN ARYAN COLLEGE, BASIM (R).
 G.S. COLLEGE OF SCIENCE, KHAMGAON (GSc).
 CENTRAL COLLEGE FOR WOMEN, NAGPUR (W).
 COLLEGE OF AGRICULTURE, NAGPUR (A).
 COLLEGE OF SCIENCE, NAGPUR (Sc).
 GOVERNMENT ENGINEERING SCHOOL, NAGPUR (E).
 G.S. COLLEGE OF ECONOMICS AND COMMERCE, NAGPUR (CN).
 HISLOP COLLEGE, NAGPUR (H).
 MEDICAL COLLEGE, NAGPUR (M).
 NAGPUR MAHAVIDYALAYA, NAGPUR (NM).
 NATIONAL COLLEGE, NAGPUR (N).
 S.B. CITY COLLEGE, NAGPUR (C).
 G.S. COLLEGE OF COMMERCE, WARDHA (CW).

ADMINISTRATIVE AND OTHER STAFF

M. P. Major, Officer-in-Charge of Physical Education; L. R. Lakhkar, M.B., B.S., Univ. Medical Officer; G. S. Talajia, B.E., Univ. Engineer; S. K. Mishra, M.Sc. (Agr.), Offg. Supt., Univ. Hostels; K. K. Shrivastava, M.Sc., Officer in charge of Printing.

GENERAL INFORMATION

The University was established in 1923. The first three colleges in the list on pp. 1175-1176 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 Matricn. Examn., but admits students who have passed (a) the Final examn. of the Central Provinces Bd. of High School Educn. or Bd. of Sec. Educn., Madhya Pradesh, or an examn. recognized (with the sanction of the State Govt.) as equivalent thereto, or (b) the Matricn. Examn. of an Indian Univ.

* (SA), (Sh), etc.: symbols for reference to the Colleges in Teaching Staff list, *supra*.

FACULTIES AND DEANS. Arts, Dr. H. N. Sinha ; Science, Dr. K. Krishnamurti ; Law, The Hon. Justice M. Hidayatullah ; Education, Dr. V. S. Jha ; Agriculture, S. S. Pande ; Medicine, Dr. K. N. Sinha.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY. The bldgs. of the Inst. were completed in 1942 and the Inst. began functioning in Aug. of that yr. It provides a 2-yrs.' course for B.Sc. (Tech.) in Chem., Engin. and in Oil Technol. H. G. Kayser is Director of the Inst. For further development, construction of new bldgs. consisting of Pilot Plant bldg., a boiler house, chemical stores, lab. blocks, a workshop and 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.

MEDIUM OF INSTRUCTION. English is being replaced by Hindi and Marathi as the medium of instruction in courses in Arts and Sci. by progressive stages from the Examns. of 1951. In special cases, English is also permitted.

DEGREES. *Arts*—B.A., 2 yrs. after Inter. Examn. ; B.A. (Hons.) 3 yrs.', M.A. 2 yrs.' study after B.A. ; Ph.D., open to M.A.s of 3 yrs.' standing by thesis ; D. Litt., open to Ph.D. of 3 yrs.' standing, for original contribution to advancement of 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 Sci. *Law*—LL.B., 2 yrs. after approved Bachelor's degree ; LL.M., 2 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 Academic Council) by examination and thesis ; Ph.D., open to M.Ed.s and M.A.s and M.Sc.s (with B.T. specially permitted) by 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 Sci. Higher degrees are in every case open to approved graduates of other Univs.

DIPLOMAS. Teaching (2 yrs.) ; Engin. (3 yrs.) ; Co-operation (1 yr. post-graduate), Local Self-Govt. (1 yr.).

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 50,500 vols.

PUBLICATIONS. *Calendar* ; *Annual Report* ; *Examn. papers* ; *Prospectus*, etc. A *Journal* of research work done by the teachers of the Univ. is published annually.

THE YEAR 1949-50

BENEFACTIONS. Indian Pharmacists' Asscn., Bombay, recurring donation of Rs. 900 p.m. for 5 yrs. to institute a chair in Ayurvedic Res. Diamond Jubilee Celebration Cttee. of Justices Niyogi and Puranik, Nagpur, Rs. 6000, for creation of Endowment Fund for award of Scholp. to be called "The Niyogi and Puranik Diamond Jubilee (1946) Scholarship," to best student at the Inter. Examn. in Sci. The Principal, Govindram Sekseriya Coll. of

Commerce, Wardha, Rs. 3,000, for creation of Endowment Fund for award of a Gold Medal to best student at the Bachelor of Commerce Examn.

NEW DEPARTMENT. Dept. of Local Self-Govt., which provides a one-yr. Dipl. course and two yrs.' M.A. course.

On the introduction of Hindi and Marathi as media of instruction for Inter. courses in Arts and Sci. from academic year 1949-50 and for the courses for the B.A. and B.Sc. from academic year 1951-52, the Univ. established the Dept. of Text-Book Printing and Publication, for printing and publication of text-books in Hindi and Marathi.

HONORARY DEGREES. *LL.D.*: Hon. Pandit Jawaharlal Nehru, Prime Minister, Govt. of India.

STUDENTS. Total 7216, including 960 women and 1006 postgraduates.

DEGREES. Ph.D., 2; B.A., 662; B.A. (Hons.), 12; M.A., 74; LL.B., 125; B.Sc. (Pass), 106; B.Sc. (Hons.), 4; M.Sc., 20; B.T., 54; B.Sc. (Agr.), 43; B.Sc. (Tech.), 14; B.Com., 119; M.Sc. (for Hons. graduates), 1; M.Com., 19.

OSMANIA UNIVERSITY *

Founded 1919

Postal Address : Hyderabad, Deccan.

Telegrams : University, Hyderabad, Deccan.

PATRON—HIS EXALTED HIGHNESS THE NIZAM, G.C.S.I., G.B.E.

CHANCELLOR—SHRI M. K. VELLODI, Chief Minister.

VICE-CHANCELLOR—NAWAB ALI YAVAR JUNG, B.A. Oxon.

REGISTRAR—S. P. SAHGAL, M.B., B.S. Bom.

TEACHING STAFF

Arabic

Kutbuddin, Q., B.A.

Khan, A. M., Ph.D. Camb., M.A.

Fazl, S. A., M.A.

Botany

Salam, A., Ph.D. Belf., M.Sc.

Khan, F., M.Sc.

Faruqui, A. J., M.Sc.

Singh, T. R., M.Sc.

Waheed, A., M.Sc.

Jofar, M., M.Sc.

Saxena, M. R., Ph.D. Lond., M.Sc.

Ramachar, P., M.Sc.

Tilak, V. D., M.Sc.

Chemical Technology

Kulkarni, B. S., Ph.D. Bom.

Ali, A., M.Sc. Ill.

Nizamuddin, H., M.Sc.

Qaiyum, A., M.Sc.

Chari, K. S., B.Sc. Madr., Ph.D. Manc.

Zaidi, H. R., M.Sc., Ph.D.

Kantham, L., M.Sc.

Vaidya, L. S., M.Sc.

Rangrez, K., M.Sc. (Tech.) Manc.

Reddy, C., M.Ch.B. Brooklyn, Ph.D. Ohio, M.Sc.

Chemistry

Hussain, S., M.Sc. Alig., Ph.D. Lond.

Principal, College of Science.

Taher, N. A., Ph.D. Lond., M.Sc.

Rahman, K., M.Sc.

Sharfuddin, M.Sc. Dacca.

Rao, N., M.Sc.

Rahman, A., M.Sc.

Ananthan, B. N., M.Sc.

Venkobachari, M.Sc.

Hanumanth Rao, D., M.S. Mass., M.Sc.

Habeebullah, K., M.Sc.

Srinivosan, V. R., M.Sc. Madr., Ph.D. Leeds.

Shahabuddin, S. Y. Syed, M.Sc. Mys.

Reporter, Miss Rashida, Ph.D. Lond., M.Sc.

Acharya, S. S., M.Sc., M.S. Pitt.

Afzal, M. N., M.Sc.

Baig, M. V. A., M.Sc.

Commerce

Khan, I. H., B.Com. Lond.

Rao, B. P., B.Com. And., M.Com., LL.B. Luck.

Bhargava, R. S., M.Com. Luck.

Economics

Qader, A., M.A. Madr., B.Sc. (Econ.) Lond.

Husain, A., M.A., LL.B. Luck., L.T. Alld.

Hasan, F., M.A.

Ali, N., M.A.

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

Education

- Khan, M. A. A., M.A. Delhi, M.Ed.
Dip.Ed Leeds Principal.
Ahmed, G., M.A., LL.B. Alig.,
Ed.B. Glas.
Zainulabedin, M.A., B.T. Alig.
Khan, S. M. Q., M.A., M.Ed.
Khan, I. A., M.A., M.Ed.
Prasad, B., M.A., M.Ed.
Husain, S. F., B.A.
Chari, V., M.A. Lond., B.A.,
M.Ed.
Begum, Z., M.Ed. Leeds, B.A.
Begum, M., M.A., M.Ed.

English (Arts College)

- Doraiswami, M. S., M.A., L.T.
Madr., B.A. Oxon. Principal.
Acharya, K. N., M.A. Mys.
Sakharan, K. R. C., M.A., M.Lit.
Madr.
Jembunatham, S., M.A. Rangoon.
Joshi, B. N., M.A. Bom.
Edward, O. E., M.A.
Samuel, M. S., M.A. Bom.
Sirajuddin, S., M.A.

English (Science College)

- Omar, M. B., M.A.
Ratnam, A. P. R., M.A. Madr.
Purshottam Rao, K., M.A.
Ayengar, Y. R., M.A. Madr.

Geography

- Ahmed, S., B.A., B.T. Alig., M.A.
Edin.
Bajjnathchaturvedi, M.A. Calc.

Geology

- Ahmeduddin, M., B.A., B.Sc.
Manc., F.G.S., F.L.S.

Hindi

- Vidyalankar, Pandit V.
Pande, R. N., M.A. Ban.
Khandelwal, R., M.A. Luck.

History

- Khan, Y. H., D.Litt. Paris.
Muneeruddin, K., M.A.
Sajjanlal, K. A., M.A. Bom.
Khalidi, A. N., D.Litt. Cairo, M.A.

Kanarese

- Bhimsen Rao, D. K., M.A. Mys.
Patwari, R. R., M.A. Mys.
Ramaswamy, B., M.A.

Marathi

- Kulkarni, S. R., M.A.
Bhusari, R. M., M.A. Nag., M.A.
Calc., LL.B.
Nanda Purker, N. G., M.A. Alig.
and Nag.

Mathematics

- Venkatachari, V. P., M.A., Ph.D.
Lond.
Mohiuddin, K., M.A. Madr., B.T.
Alig.
Ahsan, M., M.Sc. Alig.
Rao, R., M.A.
Hasan, Z., M.A., B.E.
Jawalkar, N. R., M.A.
Patwari, V. N., M.A. Madr., B.A.
Bom.
Dwarka, D. V., M.A.

Persian

- Nizamuddin, M., Ph.D. Camb.
Kalimullah, Q., Ph.D. Lond., M.A.,
LL.B.
Farooqui, L. A., M.A., LL.B.

Philosophy

- Valiuddin, M., M.A., Ph.D. Lond.
Lal, S. M., M.A. Alig.
Salahuddin, M., M.A. Dacca.
Vahiuddin, S., Ph.D. Marburg.

Physics

- Bhagavantam, S., D.Sc.
Varadaiah, V., M.Sc. And.
Iyengar, S., M.Sc.
Jaya Rao, A. M., M.Sc.
Deshpande, V., M.Sc.
Puranik, P. G., M.Sc.
Rahman, A., B.A. Camb.
Venkateshwara Rao, A., M.Sc.
Ramavataram, K., M.Sc. And.
Krishna Rao, K. V., M.Sc. And.
Krishna Rao, P. S. R., M.Sc.
Rajput.
Sunder Rao, R. V. G., M.Sc. And.
Rang Rao, B. V., M.Sc. Calc.

Politics

Siddiqui, A. M., M.A., LL.B.
 Hassan, R., M.A.
 Khan, Z., M.A. Luck.
 Hashmi, S. H., M.A.

Religion and Culture

Ahmed, Z.
 Ahmed, F.
 Qadri, L. H., M.A.
 Yusufuddin, M., M.A., Ph.D.

Sanskrit

Sharma, A., M.A. Alig., Ph.D.
 Munich.
 Rao, K., M.A. (Sanskrit) Calc.,
 M.A. (Marathi) Nag.

Sociology

Hassan, J., Ph.D. Heid.
 Dube, S. C., M.A., Ph.D.
 Siddiqui, M., M.A.

Telugu

Laxmiranjanam, M.A. Madr.
 Venkataraghaviah, M.O.L. Madr.
 Venkatavadani, D., M.A. And.

Urdu

Sarwari, A. Q., M.A.
 Mohammed, S., M.A.
 Qateel, A. H., M.A.

Zoology

Singh, R. S. N., M.Sc. Alig., Ph.D.
 Lond.
 Khan, O., Ph.D. Lond., M.Sc.
 Jaiswal, G. P., M.Sc.
 Mohsin, S. M., M.Sc.
 Hakimuddin, M., M.Sc.
 Shareef, A., M.Sc.
 Ali, S. M., M.Sc.
 Salim, J. B., M.Sc.
 Rao, J., M.Sc.

COLLEGES

MEDICAL COLLEGE. Principal—Syed Abdur Rahman, M.D., D.T.M. & H. Edin. *Anatomy*—M. Husain, B.Sc., M.B., B.S. Luck.; P. V. Ranga Reddy; K. R. Rao, M.B., B.S.; G. H. Rao, M.B., B.S.; P. Reddy, M.B., B.S.; Y. A. Mo.-Husain, M.B., B.S. Panj.; Miss Y. Jaya Bai, M.B., B.S.; S. Jain, M.B., B.S. *Medicine*—M. S. Nawaz, M.B., B.S. Panj.; H. K. Arab, M.B., B.S. *Midwifery*—E. S. Reporter, M.B., B.S. *Ophthalmology*—A. W. Khan, M.B., B.S. *Pathology*—N. A. Siddiqui, M.B., B.S. Luck.; Y. Rao; M. S. A. Beg, M.B., B.S.; R. T. Qureshi, M.B., B.S.; N. M. Sathe, M.B., B.S.; S. Omar, M.B., B.S. *Pharmacology*—M. Y. Ansari, M.B., B.S., Ph.D. Edin.; A. Talib, M.B., B.S.; V. Rao, M.B., B.S. *Physiology*—S. A. Rahman, M.D., D.T.M. & H. Edin.; R. N. Abhyankar, M.B., B.S. Bom.; M. A. Zaidi, M.B., B.S.; G. Dastageer, M.B., B.S.; G. Mohiuddin, M.Sc. Alig.; M. H. A. Beg, M.B., B.S.; T. Ali, M.B., B.S.; M. R. Deshpande, M.Sc. *Surgery*—K. R. Pai, F.R.C.S.; A. Salam, M.B., B.S. Also 18 Recognized Clinical Teachers and pt.-time Lectrs.

ENGINEERING COLLEGE. Principal—Ziauddin Ansari, B.Sc., M.A. *Civil Engineering*—M. Athar, B.Sc. Durh., C.E. Madr.; M. Hofeezullah, B.Sc. Alig., B.Sc. (Eng.); M. A. Rasheed, B.E.; S. Ismail, B.E.; M. Fakhruddin, B.E.; S. T. Husain, B.E.; P. S. Rao, B.E.; S. H. A. Qadri, B.E.; S. Budkar, B.E. *Electrical Engineering*—V. M. Gadgil, B.Sc. Lond. *Mechanical Engineering*—A. Ali, B.Sc. Madr. and Lond.; K. Ramanujacharya, B.Sc.; A. H. Habeebullah, B.S.M.E. Utah, B.Sc. *Overseer Class*—S. Qadri, B.E.; M. M. Khan, C.E. Madr.

AGRICULTURAL COLLEGE. Principal—Hashim Ameer Ali, B.Ag. Bom. Ph.D. Corn. *Agricultural Chemistry*—V. Rao, Ph.D. Wisc. *Agricultural Engineering*—T. Sathya Narayan Rao, B.Sc.Ag. Bom. *Agronomy*—B. Husain, B.Sc. Edin.; R. Surya Narayan Rao, B.Sc.Ag. Madr. *Animal Husbandry*—B. T. Karnani, Ph.D. Corn. *Farm*—S. Khan, B.Sc.Ag. Nagpur, B.Sc. *Plant Breeding and Entomol.*—H. A. Razvi, B.Ag. Poona, Ph.D. Wales; V. Ramana Rao, M.Sc.; H. Ali, M.Sc. Minn., Ph.D. Kansas.

VETERINARY COLLEGE. Dean of Veterinary Science—Dr. M. Habeeb Khan. *Anatomy*—C. V. Kanan, B.Sc. Madr., B.V.Sc. Bom. *Animal Husbandry*—K. S. Nair, D.T.V.M. Edin.; V. R. Jatkar, Dip. in V.Sc. Bom. *Medicine*—..... *Pathol. and Bacteriol.*—V. Ramachandra Rao; V. R. Paragaonkar. *Pharmacology*—T. Ahmed. *Physiology*—A. Husain; V. R. Sadekar, B.Sc. *Surgery*—A. A. Nazeeruddin.

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The University was established in 1918. The University Charter was revised in 1947 and 1950.

The University comprises 10 Facs., namely, Arts, Science, Religion and Culture, Commerce, Medicine, Engineering, Agriculture, Vet. Science, Education, and Law. Besides the University Colls., there are 2 Degree Colls. (including one Women's Coll.), 8 Intermediate Colls., and 4 Affiliated (2 degree and 2 Intermediate) Colls. Besides these, there are 2 Evening Colls. (one Degree and one Intermediate) for those in employment. Hindustani, in both the Devanagari and Persian scripts, is the medium of instruction in Facs. of Arts and Science, and English in all Professional courses. In Arts and Science English is recognized as one of the media, and in 2 Degree Colls. and 2 Inter. Colls. instruction is given entirely in English. Compulsory Theology and Ethics have been abolished and these have been replaced by a Regional or Allied Classical Lang. and General Science for Arts students and Hist. 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. The other bodies of the Univ. are the Finance Cttee., the Academic Council, the Senate, the Facs. and the Boards of Studies.

The BUDGET for the year 1950-51 is O.S.Rs. 68,63,194 lakhs. (O.S.Rs. 116-10-8 are equal to I.C.Rs. 100.)

LIBRARY. Total volumes, 111,079; English, 30,798; Oriental Languages, 15,745; Local Languages, 14,554; Gifts, 14,951; Salar Jung Gift Collection, 30,483; MSS., 3304; Palm Leaf MSS., 1244.

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FEES. Registration—Rs. 5. 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.

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PUBLICATIONS. *Calendar*; *Annual Administration Report*; 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.

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<i>Pharmaceutics</i>	Desai, M. H., B.Sc. Bom., Ph.D., D.I.C. Lond.	
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FEROZEPUR, *Dev Samaj College for Women*. (Education—B.T.) Principal—P. V. Kanal, M.A.

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JULLUNDUR, *Law College*. (Law—LL.B.) Principal—C. L. Anand, M.A. LL.B.

LUDHIANA, *Govt. Agriculture College*. (Agriculture—F.E.A., B.Sc., M.Sc.) Principal—Dalip Singh, M.Sc., Ph.D.

REWARI, *Ahir College*. (Commerce—B.Com.) Principal—M. L. Khosla, M.A.

ROHTAK, *All India Jat Heroes' Memorial College*. (Education—B.T.) Principal—S. N. Sanyal, M.A.

ROHTAK, *Vaish College*. (Commerce—B.Com.) Principal—B. L. Bansal, M.Com.

ROORKEE (U.P.), *Panjab Engineering College*. (Engineering—B.Sc. (Eng.), Civil, Mechanical, and Electrical.) Principal—S. R. Mehra.

SIMLA, *Govt. Training College for Women*. (Education—B.T.) Principal—S. Y. Harvey, M.A. Edin.

ORIENTAL COLLEGES

FEROZEPUR, *Dev Samaj College for Women*. (Bhusan and Prabhakar.) Principal—P. V. Kanal, M.A.

KAPURTHALA, *Randhir College*. (Vidhwan, Budhiman, Prajna, Visharada, and Shastri.) Principal—Hardit Singh Dhillon, M.A., Ph.D.

KARNAL, *Dyal Singh College*. (Prabhakar and Gyani.) Offg. Principal—R. K. Sud, M.A., LL.B.

GENERAL INFORMATION

Following the partition of the Panjab, the University was established in Oct. 1947, under Ordinance No. VII, promulgated by H.E. the Governor of the Panjab. This Ordinance was subsequently replaced by the Panjab University Act No. VII of 1947, with effect from Dec. 1, 1947. At present

its jurisdiction extends over the Panjab, Patiala and East Panjab States Union and Himachal Pradesh.

The Univ. is a teaching, affiliating, and examining body and is open to all irrespective of colour, creed, class, or sex.

CONSTITUTION. The Univ. consists of the Chancellor, the Vice-Chancellor, the Senate, the Syndicate. The Governor of the Punjab is the *ex officio* Chancellor of the Univ. The Vice-Chancellor is one of the Fellows of the University, nominated by the Chancellor. The Vice-Chancellor holds his office for a period of two yrs. but is eligible for reappointment. The Senate have the entire management of, and superintendence over, the affairs and property of the Univ. in accordance with the Statutes, Rules, and Regulations. The Executive Government of the Univ. is vested in the Syndicate, which consists of : (a) the Vice-Chancellor as Chairman ; (b) the Director of Public Instruction, Panjab ; (c) fifteen *ex officio* or ordinary Fellows elected by the Facs. The Registrar is the Chief Executive Officer of the Senate and the Syndicate.

The **LANGUAGE OF INSTRUCTION** is English, except in Classical and Modern Indian Language classes, where the medium of instruction is the lang. concerned, or an allied lang.

FACULTIES AND DEANS. *Arts*, J. Singh ; *Science*, 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. D. Singh ; *Medicine*, ; Dean of *University Instruction*, A. Kumar.

ADMISSION. The minimum qualifn. necessary for admission to the Univ. is the passing of the matricn. examn. or an examn. recognized as equivalent. The following have been so recognized : (1) Matricn. and New Matricn. examn. of Hong Kong Univ. ; (2) Sr. Secondary School Certif. Examn. of Ministry of Educn., N. Ireland ; (3) Matricn. Examn. of New Zealand Univ. ; (4) European School Final Examn. (qualifying to enter a coll. in Burma) of Rangoon Univ. ; (5) Matricn. Examn. of Univ. of Sydney.

TEACHING DEPARTMENTS. *Physics, Chemistry, Zoology, Economics, English, History*, at present in the Government College, Hoshiarpur. *Technology*, at present attached to Delhi Polytechnic. *Botany, Panjabi, Pharmaceutical Chem. and Pharmacognosy*, at present at Khalsa College, Amritsar. *Pharmaceuticals*, 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. *Journalism*, 4 Joffre Sq., Queensway, New Delhi. *Law*, Law College, Jullundur City.

DEGREES. B.A., B.Sc., 4 yrs. after Matric. ; B.Sc.Ag., 4 yrs. after Matric. ; B.Com., 3 yrs. after Inter. ; B.Sc. (Engin.), 4 yrs. after Inter. ; LL.B., 3 yrs. after graduation ; M.B., B.S., 5 yrs. after Pre-Med. Examn.

HIGHER DEGREES. M.A. in English, Maths., Hist., Pol. Sci., Econ., Sanskrit, Hindi, Philos., Psychol., Geog. M.Sc. in Phys., Chem., Bot., Zool., Tech. Chem. and Agric. Also M.Com., LL.M., Ph.D., M.S., M.D. and LL.D.

DIPLOMAS. Dipl. in Journalism, Dipl. in Tuberculosis Disease (D.T.D.), Dipl. in Ophthalmic Med. and Surg. (D.O.M.S.).

LIBRARIES. The Panjab Univ. Library (29,259 vols.) is located at the United States Services Club, Simla, and each affiliated coll. has its own library.

SCHOLARSHIPS AVAILABLE TO THE GRADUATES OF THE UNIV. (a) One Scholp. of Rs. 30 p.m. for best student in the B.A. and B.Sc. Examn. (b) One

Scholg. of Rs. 25 p.m. for each subject for best standing in the combined result of Hons. Papers and Pass Papers, except Maths., for which 2 Scholgs. are awarded. (c) 2 Scholgs. of Rs. 25 p.m. on results of Chem. Hons. School—one for M.Sc. (Research) and one for M.Sc. (Tech.). (d) One Scholg. of Rs. 25 p.m. on the results of each of the Bot., Zool., and Phys. Hons. Schools Examns. (e) One Scholg. of Rs. 20 p.m. to the best student in B.Com. Examn. Pt. I. (f) One Scholg. of Rs. 25 p.m. to the best student in the Bachelor of Pharmacy Examn. Pt. I.

ONE TEACHING HOSPITAL.

STUDENTS' RESIDENCES. Every affiliated coll. has a hostel attached. No student is admitted until the question of his residence is settled. Every student of a college not living with his parents or guardians must reside during the teaching period at an approved hostel or lodge.

STUDENT HEALTH. Each affiliated coll. has a Medical Officer to look after the health of students.

SPORT. B. L. Gupta, B.A., D.P.E., is Asst. Dir. of Physical Training and is in charge of the physical welfare of students. In addition, each affiliated college has a Physical Director who conducts sports and other physical activities among the students of the coll.

PUBLICATIONS. *University Calendar* (Vol. I), Rs. 2; *Matricn. Syllabus*, As. 8; *Inter. Syllabus*, Rs. 1-4; *B.A. Syllabus*, Rs. 1-4; *M.A. Syllabuses* (per set), As. 8; *Syllabuses* for all other professional Examns. conducted by the Univ. (per set, As. 10). The University also publishes *Arts and Science Journals* from time to time.

A UNIVERSITY PRESS has recently been set up.

THE YEAR 1949-50

DISPLACED PERSONS. At the request of the Ministry of Educn., Govt. of India, a camp coll. was established at Delhi to help the refugee students in that area. Classes are held in the afternoon, and admission is restricted to employed persons only.

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. It is hoped to construct a Univ. town near the proposed Capital of the Panjab.

NATIONAL CADET CORPS. A number of Battalions of the National Cadet Corps have been allotted to 23 colls. for men. This Corps has taken the place of the Univ. Officers' Training Corps. Members of the N.C.C. may offer Military Sci. as additional optional paper (in place of additional optional vernacular) for the Inter. and Degree Examns. The third Panjab Girls' Troop of the National Cadet Corps has been raised in the Govt. Coll. for Women, Ludhiana.

HONORARY DEGREES. *LL.D.*—Hon. Sardar Vallabhbhai Patel, Dep. P.M. of India; Hon. Justice M. C. Mahajan, Judge, Supreme Court of India; H.E. Shri C. M. Trevedi, Governor of the Panjab. *D.O.L.*—Bhai Vir Singh.

BENEFACTIONS. Rs. 2500 by Pt. Hem Raj Memorial Trust, Ambala Cantt, for award of silver medals; Rs. 1500 by R. S. Ram Jawaya Kapur, Delhi, for award of silver medal; Rs. 1000 have been donated by Shri Dwarka Parshad, Jullundur City, for award of silver medal; Rs. 1500 by S. Surjit Singh Mahitha.

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. 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 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 setter for the M.A. Examn. were revised. (vii) Panjabi Examns. in Persian Script and Oriental Titles' Examns. in Arabic have been discontinued. (viii) The system of biennial 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. (A decision in (viii) and (ix) awaits Government sanction.)

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	75	21,999
Women	19	1,795
Total	94	23,794

DEGREES. B.Sc. Agric., 61; M.Sc. Agric., 3; B.A., 1985; M.A., 123; B.A. Hons., 121; Ph.D., 1; B.Com., 5; B.T., 174; B.Sc. (Civil), 14; B.Sc. (Mech.), 6; B.Sc. (Elect.), 6; LL.B., 65; M.B., B.S., 107; M.S., 1; M.D., 1; B. Pharmacy, 6; B.Sc., 357; B.Sc. Hons., 132; B.V.Sc., 18.

PATNA UNIVERSITY*

Founded 1917

Postal Address : Patna 5.

Telephone (Registrar) : Patna 322 ; (Office) : Patna 105.

CHANCELLOR—H.E. THE GOVERNOR OF BIHAR.

VICE-CHANCELLOR—K. N. BAHL, D.Phil. Oxon., D.Sc. Oxon. and Panj., F.N.I.

REGISTRAR—JAGATNANDAN SAHAY, M.A., T.D. Lond.

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.

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

Menon, V. K. N., M.A. Oxon. Prof.

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. Geog.—M. P. Karan, M.A. *Hindi*—S. Ray, M.A. *Hist. and Pol. Sc.*—N. Kishore, M.A. *Phil.*—K. Sahay, M.A. *Urdu and Persian*—R. P. Lal, M.A. *Chem.*—H. L. Das Gupta, M.Sc. 32 other Lectrs.

AURANGABAD (GAYA), *S.S. College*. B.A. Principal—B. N. Madhava, M.A. Ban. 13 other Lectrs.

BANKIPUR (PATNA), *Bihar College of Engineering*. B.Sc. (Eng.). Principal—Bhagwat Prasad, M.Sc., B.L. Calc., B.Sc. (Tech.) Manc. *Civil Engin.*—M. Sadique, B.Sc. Calc., B.Sc. (Eng.). *Mech. Engin.*—N. N. Ghosh Dastidar, B.Sc. (Tech.) Manc. *Maths.*—S. C. Lal, M.Sc., B.L. 23 other Profs. and Lectrs.

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

BANKIPUR (PATNA), Bihar National College. B.A., B.Sc. Principal, and Prof. of English—S. M. Moinul Haq, 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. 70 other Profs., Lectrs., and Demrs.

BANKIPUR (PATNA), Law College. B.L. Principal—B. K. Sinha, B.A., B.L. Vice-Principal—S. Ainul Varis, M.A. Camb. 14 other Lectrs.

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), 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. *Hindi*—D. B. Sastri, M.A. *Urdu*—H. S. Ahmad, M.A., B.L. *Geog.*—S. A. Majid, M.Sc., Ph.D. *Psychol.*—M. Z. Abdin, B.A. Lond. *Persian*—Iqbal Hosain, M.A., Ph.D., B.L. 50 other Lectrs.

BANKIPUR (PATNA), Patna Women's College. B.A. Principal—Rev. Mother M. Theodosia. Profs. : *Econ.*—Rev. Sister M. Florence. *Geog.*—Sister Honorine. *Maths.*—Miss A. Mitra. *Philos.*—Sister Vera. *History*—Rev. Sister M. Scholastica. *Hindi*—Mrs. J. Verma, M.A. 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*—H. Prasad, M.B. Calc., D.P.H. Calc., D.T.M. & H. Lond., D.T.M. Liv. *Medicine*—S. K. Ghosh Dastidar, M.B., D.T.M. Calc. *Surgery*—U. P. Sinha. *Pharmacol.*—B. N. Prasad, M.Sc., M.B. Calc., Ph.D. Edin., D.T.M. Calc. *Pathol.*—G. Prasad, B.Sc., M.D. *Ophthalmol.*—D. Ram, B.Sc., M.D. Calc., D.L.O., D.O.M.S. Lond. 58 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. *Chem.*—M. Q. Doja, B.Sc., B.A. Camb.; S. K. Guha, M.Sc. Dacca. *Physics*—M. M. Sen Gupta, M.Sc. Calc., Ph.D. Edin. *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. *Maths.*—B. N. Prasad, D.Sc. Paris, Ph.D. Liv. 45 other Profs., Lectrs., and Demrs.

BEGUSARAI, G.D. College. B.A. Principal—G. D. Chakravarti, M.A. *Philos.*—G. P. Singh, M.A. 19 other Lectrs.

BHAGALPUR, Marwari College. Principal—B. N. Mukherjee, M.A. Calc. *Commerce*—S. P. Srivastava, M.A. Alld. 16 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. *Econ.*—A. K. Prasad. 51 other Profs., Lectrs., and Demrs.

BIHAR (PATNA), Veterinary College. B.Sc. (Vet. Sc.). Principal—H. R. Kapur. *Hyg.*—A. C. Chaudhary, B.Sc., Ph.D. Edin. *Surg.*—S. M. Ishaque.

Pathol. and Bact.—P. B. Kuppaswamy, B.A., B.V.S. 19 other Profs., Lectrs., and Demrs.

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. *Sansk.*—B. Prasad, M.A. *Maths.*—U. A. Goswamy, M.A. *Com.*—H. K. Narayan, M.Com. Alld. 35 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. *Sansk.*—H. Goswami, M.A. *Calc.* *Hist.*—S. N. Misra, M.A. Ban. *Maths.*—P. K. Chowdhary, M.Sc. *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. 41 other Profs. and Lectrs.

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HAZARIBAGH, *St. Columba's College*. B.A., B.Sc. 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. Sarkar, M.A. *History*—P. C. Horo, M.A. *Maths.*—R. N. Mukherji, M.Sc.; B. Prasad, M.A. *Pers.*—M. Muslim, M.A., M.O.L. *Philos.*—K. C. Varughese, M.A. *Calc.*, B.D. Serampore. *Physics*—A. A. K. Mundal. *Sansk. and Hindi.*—P. P. Singh Sharma, M.A., B.L. 13 other Profs. and Lectrs.

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MADHUBANI, *R.K. College*. B.A. Principal—A. K. Datta, M.A., B.L. 17 other Profs. and Lectrs.

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MUZAFFARPUR, *R.D. Singh College*. B.A. Principal—H. Hukku, Ph.D. Com.—K. N. Prasad, M.Com. 17 other Profs. and Lectrs.

MUZAFFARPUR, *S.K.J. Law College*. B.L. Principal—K. Narain, M.A., B.L. Vice-Principal—N. P. Sinha, B.A., B.L.

PATNA, *Training College*. M.Ed. Principal—A. A. Kazimi, M.A. Camb., B.Sc., B.T. Profs.: N. C. Chatterji, M.A. Calc., Dip.Ed. R. Prasad, M.Sc., M.Ed. S. Sahaya, M.A., M.Ed. Mrs. V. Mulay, M.Ed. Leeds, M.A. 9 other Profs. and Lectrs.

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. *Hist.*—G. Nath, M.A. *Eng.*—A. M. Banerjee, M.A. *Hindi*—V. Srivastava, M.A. *Phil.*—A. Akhtar, M.A., B.L., Dip.-in-Ed. *Geog.*—R. P. Sinha, M.A. 23 other Profs. and Lectrs.

RANCHI, *St. Xavier's College*. B.A. Principal—Rev. A. Schokaert, Ph.D. Vice-Principal—R. P. V. Wynsbergh, Ph.D. *Hindi*—R. C. Bulcke, D.Phil. Alld. 29 other Profs. and Lectrs.

SABOUR, *Bihar Agricultural College*. Principal—S. Anwarullah, Ph.D. *Agr. Bot.*—R. H. Richharia, M.Sc., Ph.D. Camb. *Agr. Eng.*—T. G. Jacob, B.Sc. (Eng.) Lond. *Mycol.*—I. N. Misra, Ph.D. 28 other Lectrs. and Demrs.

SIWAN, *D.A.V. College*. B.A. Principal—B. B. Misra, M.A. Ban., Ph.D. Lond. Prof.: *Engl.*—A. Ghosh, M.A. 11 other Lectrs.

GENERAL INFORMATION

Founded Oct. 1, 1917. Most of the teaching is conducted in the "admitted" Colleges, v. *supra*.

LIBRARY. 47,656 vols.

FACULTIES AND DEANS. Arts, G. Sinha; Science, Dr. P. B. Ganguly; Law, B. K. Sinha; Education, A. A. Kazimi; Engineering, B. Prasad; Medicine, Dr. B. Narayana; Commerce, B. R. Mishra; Agriculture, Dr. R. H. Richharia; Veterinary Science, H. R. Kapur.

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.).

The usual LANGUAGE OF INSTRUCTION is Hindustani up to Bachelor's degree stage and English at the postgraduate stage.

RECOGNITION of exams. is accorded by Oxon., Camb., Lond., Dub., Edin.

RESEARCH SCHOLARSHIPS. Fifteen, five in Science, five in Arts, two in Medicine, two in Engineering, and one available in Science, Arts, Medicine, or 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 1949-50

STUDENTS. Full-time: 26,164.

DEGREES. M.A., 274; M.Sc., 49; B.A., 1486; B.Sc., 166; B.Com., 352; B.L., 331; B.Sc. (Eng.), 50; M.B., B.S., 140; B.Sc. (Agr.), 30.

UNIVERSITY OF POONA

Founded 1948

Postal Address : Ganeshkhind, Poona, 7.

Telegrams : Unipuna.

Telephone : 3408, 3038.

CHANCELLOR—H.E. RAJA SIR MAHARAJ SINGH, M.A. Oxon.

VICE-CHANCELLOR—Rt. Hon. M. R. JAYAKAR, P.C., M.A. Bom., D.C.L. Oxon., LL.D. Alld.

REGISTRAR—M. A. MOGHE, M.A. Alld., M.Sc. Bom., Ph.D. Lond., F.N.I.

DEPUTY REGISTRAR—G. P. BHONSALE, B.A. Bom., B.Sc. (Econ.) Lond.

ASSISTANT REGISTRAR—S. G. NAWARE, B.A. Bom.

TEACHING STAFF

[Teachers appointed by the Univ., who are also *ex officio* Hds. of the respective Univ. Depts.]

Chemistry

Kulkarni-Jatkar, S. K., M.Sc.,
Ph.D. Bom. Univ. Prof.

Experimental Psychology

Kothurkar, V. K., B.A. Camb.
Univ. Reader.

Geography

Gananathan, V. S., M.A. Madr.
and Syracuse Univ. Reader.

Marathi

Tulpule, S. G., M.A., Ph.D. Bom.,
Univ. Prof.

Mathematics

Banerjee, D. P., M.A., D.Sc. Dacca,
F.S.S. Univ. Prof.

Physics

Dhavale, D. G., M.Sc. Univ. Prof.

Sanskrit

Dandekar, R. N., M.A. Bom.,
Ph.D. Berl. Univ. Prof.

Zoology

Karve, J. N., M.Sc. Bom.
Univ. Reader.

AFFILIATED AND CONSTITUENT DEGREE COLLEGES

AHMEDNAGAR, *Ahmednagar College* (1947). Inter. Arts and Sci., B.A. (General and Hons.).

AMALNER, *Pratap College* (1945). B.A. (General and Hons.) and B.Sc.

JALGAON, *Mooljee Jaitha College* (1945). B.A. (General and Hons.) and B.Sc.

KAGAL, G. K. *Gokhale College* (1950). Inter. Arts.

KOLHAPUR, *Rajaram College* (1880). B.A. (General and Hons.), B.Sc.

KOLHAPUR, *S.M.T. Training College* (1934). B.T.

KOLHAPUR, *Shahaji Law College* (1933). LL.B.

MULUND, *Narayanrao Topiwalla College* (1947). B.A. (General and Hons.) 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., Elect., Metall. and Telecommun.).

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., B.Sc.

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., T.D.

SANGLI, *New Engineering College* (1947). B.E. (Civil).

SANGLI, *Willington 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.

CONSTITUENT RECOGNIZED INSTITUTIONS

(For Postgraduate Research)

POONA, *Bhandarkar Oriental Research Institute* (1917).

POONA, *Deccan College Postgraduate and Research Institute* (1934).

POONA, *Gokhale Institute of Politics and Economics* (1930).

POONA, *Maharashtra Association for the Cultivation of Science* (1947).

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 occupied the old Government House, at Kirkee, which was provided by the Bombay Govt. The new Univ. is closely associated with

the life and thought of the people of the region, which has a long and distinguished intellectual tradition. Though situated in Poona, the Univ.'s activities are spread over the whole area inhabited by the Marathi-speaking people. It is intended, as the Report of the Committee which framed its scheme observed, that the "Univ. will keep in view the special needs, interests and traditions of Maharashtra and its people without losing sight of its essential character as a University, *i.e.* a seat of universal learning which recognizes no frontiers except those of the human mind itself."

The Univ. of Poona, as envisaged by the Jayakar Committee and constituted by the Legislature, is neither a purely affiliating nor a purely unitary and teaching Univ. It combines the features of both these types. It aims at creating for the Poona area a central teaching organization beyond the intermediate stage of instruction, and the whole of the postgraduate teaching and research work in the entire 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.'s library, laboratories, and full-time teaching staff will be mainly used for postgraduate teaching and research in selected subjects. For the present, the Univ. has decided to appoint seven Profs. and four Readers as its own teachers in the different subjects.

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.

The usual LANGUAGE OF INSTRUCTION is English, except in Mod. Indian Lang. classes, where the lang. concerned is used.

FACULTIES AND DEANS. Arts, Prof. M. G. Bhate; Mental, Moral, and Social Science, Prof. D. D. Vadekar; Science, Prof. G. L. Chandratreya; Prof. R. B. Phadke; Medicine, Dr. B. M. Desai; Engineering, ; Agriculture, Dr. L. S. S. Kumar.

DEGREES. B.A.; M.A.; B.Sc.; M.Sc.; B.Com.; M.Com.; M.Ed.; B.E.; B.T.; T.D.; LL.B.; LL.M.; B.Sc. (Agr.); M.B., B.S.; M.D.; M.S.; Ph.D.; D.Sc.; D.Litt.

EXTERNAL DEGREES. From 1950-51 the Univ. has instituted two External Degrees: B.A. (External) and M.A. (External). Gainfully employed persons, and married women, residing within the Univ. area, are eligible to appear for these examns. externally, *i.e.* without keeping terms at any of the Affiliated Colls. The duration of the Degree Course is 6 yrs. from the Entrance Examn. as compared with the normal duration of 4 yrs. for regular internal students. A candidate must appear for and pass the Inter. Arts Examn. after 3 yrs. and is then due to appear for the B.A. (External) Examn. at the end of another 3 yrs. He qualifies for the Master's Degree after a further period of 3 yrs. For any of these 3 examns., students have to register by paying Rs. 10 as the Registration Fee in the yr. previous to yr. of examn.

UNIVERSITY DEPTS. Chem., Phys., Maths., Zool., Exper. Psychol., Marathi, Sanskrit, Politics, Geog., all of which (except Chem.) are situated on the Univ. Estate at Ganeshkhind. The Chem. Dept. is located at the Ranade Industrial and Economic Institute, Deccan Gymkhana, Poona 4.

ADMISSION. The Univ. admits students who have passed the Matricn. or Entrance Examn. of any other statutory Univ. in the State of Bombay. The Univ. does not hold an Entrance Examn. of its own.

POSTGRADUATE RESEARCH. While the 9 Univ. Depts. specified above are mainly meant for Postgraduate study and res., the four Constituent Recognized Institutions (v. *supra*) also do Postgraduate res. through their staff as well as through Postgraduate students registered with the Univ. and working in those Institutions. The subjects of res. at the institutions are as follows : Bhandarkar Oriental Res. Inst.—Anc. Sanskrit and Prakrit Lit., Mahabharat Epic, and Anc. Indian Culture. Gokhale Inst. of Politics—Econ., Pol. and Stat. Deccan Coll. Postgraduate and Res. Inst.—Sansk., Compilation of Sansk. Dictionary, Sociol., Anthropol., Arabic, Maratha Hist., Anc. Indian Hist. and Culture. Maharashtra Asscn. for Cultivation of Sci.—Bot., Zool., Microbiol. and Biochem.

FEES. Fees charged up to first graduation are about Rs. 100 per term per student (extra lab. fees for Sci. students). Postgraduate students : Rs. 125 per term for Arts students and Rs. 150 per term for Sci. students. Besides these tuition fees, students have to pay about Rs. 25 to Rs. 30 per yr. to the coll. authorities for gymkhana, library, and other facilities.

EXTRA-MURAL WORK. The Bd. of Extra-mural Studies was set up in 1950. Lectures on topics of general interest are frequently arranged under the Bd.'s auspices, and Profs. of the Constituent and Affiliated Colls. and other experts are invited to deliver lectures which are open to the general public.

SUMMER SCHOOL. In 1951 a Summer School was organized in the Univ. Chem. Dept. in which teachers in the Constituent and Affiliated Colls. and Postgraduate students participated.

LIBRARIES, ETC. Univ. Library, 25,000 vols. In addition, there are libraries at each of the Constituent and Affiliated Colls. and Recognized Institutions. The principal Meteorological Station and Observatory of India is located at Poona, and the India Met. Inst. attached thereto is a recognized place of Postgraduate res. of the Univ.

UNIVERSITY PRESS. The Univ. maintains a small Press.

PUBLICATIONS. *Handbook* (4 Pts.); *Annual Report*.

THE YEAR 1949-50

The Univ. established itself in the Govt. House Estate at Ganeshkhind and decided to create 11 Depts. (9 of which were actually created, v. *supra*). The Univ. authorities revised the structure of the B.A. and M.A. Courses. Under the old Reglns., a candidate could obtain a B.A. Hons. degree with a minimum of 35 per cent. ; in the new structure, he can qualify only with a minimum of 45 per cent. In the M.A. course "History" has been reorganized and is now called "Social Sciences." It is divided into 10 different Groups of 5 Social Sciences. Students can offer any two of the 5 Groups or one of the 5 Groups and the corresponding Group for advanced study.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. L. Renou, 3 lectures on "Sanskrit Studies in the West," "Recent Indological Studies in France,"

and "Comparative Linguistics." Dr. F. E. Zeuner, Ancient History. P. Koinange, "Indo-African Relations in E. Africa." Sir C. V. Raman, "Theory of Indian Musical Instruments." Dr. W. D. West, "Atomic Physics."

STUDENTS. Total: about 20,000, of whom about 350 were postgraduate students.

DEGREES. B.Sc. (Agric.), 16; B.A., 213; M.A., 18; B.E., nil; LL.B., 42; LL.M., 1; M.B., B.S., 1; B.Com., 38; M.Com., nil; B.T., 17; M.Ed., 6; B.Sc., 99; M.Sc., 5.

UNIVERSITY OF RAJPUTANA *

Founded 1947

Postal Address : Sawai Mansingh Highway, Jaipur.

Telegraphic Address : University, Jaipur.

Telephone : 135.

VISITOR—RAJENDRA PRASAD, President of India, M.A., M.L., LL.D.

PATRON—Maj.-Gen. H.H. MAHARAJADHIRAJA MAHARANA SHRI SIR
BHUPAL SINGHJI BAHADUR, G.C.S.I., K.C.I.E., Maharana of
Udaipur and Maharaj Pramukh of Rajasthan.

CHANCELLOR—Lieut.-Gen. H.H. RAJ RAJENDRA SHRI MAHARAJA-
DHIRAJA SAWAI SIR MAN SINGHJI BAHADUR, G.C.S.I., G.C.I.E.,
Maharaja of Jaipur and Raj Pramukh of Rajasthan.

VICE-CHANCELLOR—Lieut.-Col. G. S. MAHAJANI, M.A., Ph.D. Camb.

REGISTRAR—M. M. VARMA, M.A.

HON. LIBRARIAN—M. V. MATHUR, M.A., B.Com. Alld., M.P.A. Harv.

UNIVERSITY TEACHING STAFF

Economics

Mukerji, R. K., M.A., Ph.D. Prof.

Mathur, M. V., M.A., B.Com. Alld.,

M.P.A. Harv. Reader.

Gupta, D. L., M.A., B.Com., Ph.D.

Lond. Lectr.

Geology

Rode, K. P., M.Sc., Ph.D. Zür.

Reader.

Philosophy

Raju, P. T., M.A., Ph.D. Prof.

Singh, R. P., M.A., D.Litt. Reader.

AFFILIATED INSTITUTIONS

(I.A., I.Sc., I.Com., B.A., M.A., B.Sc., M.Sc., B.Com., M.Com., etc. = affiliated up to the Intermediate, degree, postgraduate, etc., standard.)

(A) The number of collegiate institutions affiliated to the University is 40, as listed below :

ALWAR, *Raj Rishi College*. B.A., B.Sc., B.Com., I.A., I.Sc., and I.Com.
Principal—B. B. Goyal, M.A., LL.B.

BANSWARA, *Govt. Inter. College*. I.A. Principal—R. S. Gupta, M.A.

BHARATPUR, *M.S.J. College*. B.A., B.Com., I.A., and I.Com. Principal—
P. L. Mathur, M.A.

BHILWARA, *Maharana Inter. College*. I.A. and I.Com.

BIKANER, *B.J.S.R. Jain Inter. College*. I.A. and I.Com. Principal—S. K. Sarkar, M.A.

BIKANER, *Dungar College*. B.A., B.Sc., M.A., M.Sc., LL.B., I.A., and I.Sc.
Principal—M. N. Tolani, M.A.

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

BIKANER, *Maharani Sudershan Inter. College for Women*. I.A. Principal—Mrs. S. Agarwal, M.A.

BIKANER, *Teachers' Training College*. T.T.C. Principal—S. N. Sriwastava.

BRIJNAGAR, *Shri Rajendra Inter. College*. I.A. and I.Sc. Principal—S. D. Jagdhary, M.A.

BUNDI, *Hadendra Inter. College*. I.A. and I.Com. Principal—P. C. Das, M.A., B.L. (Calc.), Ph.D. (Edin.).

CHIRAWA, *Inter. College*. I.A. and I.Com. Principal—A. B. Saksena, M.A.

CHURU, *Lohia College*. I.A., B.Com., and I.Com. Principal—S. D. Pande, M.A., B.Com.

DAUSA, *Gout. Inter. College*. I.A. and I.Com.

FALNA, *S.P.U. Inter. College*. I.A. and I.Com.

FATEHPUR, *Seth G. R. Chamaria Inter. College*. I.A. and I.Com. Principal—P. L. Gupta.

JAIPUR, *Law College*. LL.B. Principal—K. S. Hajela, M.A., M.Sc., LL.M.

JAIPUR, *Maharaja's College*. B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Sc., and I.Com. Principal—M. L. Sharma, M.A., D.Litt.

JAIPUR, *Maharani's College*. B.A. and I.A. Principal—Mrs. S. Bhartiya, M.A.

JAIPUR, *Sawai Mansingh Medical College*. M.B., B.S. Principal—S. K. Menon, F.R.C.S.

JAIPUR, *S.S.G. Pareek Vidyalaya*. I.A., I.Sc., and I.Com. Principal—G. L. Purohit, M.A.

JOBNER, *S.K.N. Agricultural College*. B.Sc. (Ag.), I.A., Inter. Agric. Principal—A. Rathore.

JODHPUR, *Jaswant College*. B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., LL.B., I.A., I.Sc., and I.Com. Principal—S. D. Arora, M.Sc., Ph.D.

JODHPUR, *M.B.M. Engineering College*. B.E. (Civil).

JODHPUR, *Rajmahal Girls' Inter. College*. I.A. Principal—Mrs. K. Patwardhan, M.A.

JODHPUR, *Shri Maharaja Kumar Inter. College*. I.A. and I.Com. Principal—R. V. Kumbhare, M.A.

KISHANGARH, *Darbar Inter. College*. I.A.

KOTAH, *Herbert College*. B.A., B.Sc., B.Com., M.A., LL.B., I.A., I.Sc., and I.Com. Principal—K. L. Varma, M.A.

KOTAH, *Shri Maharani's Inter. College*. I.A. Principal—Miss R. P. Shastri, M.A., B.T.

MUKUNDGARH, *Sharda Sadan*. I.A. and I.Com. Principal—R. S. Bhatnagar, M.A.

NAWALGARH, *S.G.B. Podar College*. B.Com., M.Com., I.A., and I.Com. Principal—R. R. Gupta, M.A., B.Com.

PILANI, *Birla Balika Vidyapith*. I.A.

PILANI, *Birla College*. B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Sc., I.Com., I.Pharm., and B.Pharm. Principal—M. L. Schroff, A.B.

PILANI, *Birla Engineering College*. B.E. (Mechanical and Electrical). Principal—V. Lakshminarayanan, B.E.

SAMBHARLAKE, *Darbar Inter. College*. I.A. and I.Com.

SARDARSHAH, *Govt. Inter. College.* I.A. and I.Sc.

SIKAR, *Shri Kalyan Inter. College.* I.A. Principal—G. N. Singhal, M.A., T.D.

SRI GANGANAGAR, *Govt. Inter. College.* I.A.

UDAIPUR, *Maharana Bhupal College.* B.A., B.Sc., B.Com., M.A., M.Sc., LL.B., I.A., I.Sc., and I.Com. Principal—S. S. Saxena, M.A., M.Com.

UDAIPUR, *Rajasthan Mahila Vidyalaya.* I.A. Principal—Miss P. B. Menon, M.A., B.Sc., B.T.

UDAIPUR, *Vidya Bhawan G.R. Teachers' College.* B.Ed. Principal—K. L. Shrimali, M.A., Ph.D., B.T.

(B) The number of High Schools recognized by the University is 209 ; of these, 13 are Girls' High Schools.

GENERAL INFORMATION

The idea of a University at Jaipur—whether only for Jaipur State, or for the whole of Rajputana and Central India—can be traced to the twenties of this century. It was, however, on Jan. 8, 1947, that the Act for a federal University for Rajputana was promulgated by the States that had decided upon this joint action. In July of that year the Univ. began to function.

The jurisdiction of the Univ. extends over the ring-shaped region comprising the whole of Rajputana minus the centrally administered "island" of Ajmer-Merwara at the centre. The area consists of the former seven political units : (1) Bikaner, (2) Jaipur, (3) Jaisalmer, (4) Jodhpur, (5) Matsya Union (consisting of the former 4 states of Alwar, Bharatpur, Dholpur, and Karauli), (6) Rajasthan Union (consisting of the former ten states of Banswara, Bundi, Dungarpur, Jhalawar, Kishangarh, Kotah, Pratapgarh, Shahpura, Tonk, and Udaipur) and (7) Sirohi. The seven units were later integrated into a single political unit of Rajasthan (March 30, 1949) and the University Act was, in consequence, amended.

The Univ. controls the High School Examn. as well as Univ. education, and the Bd. of High School Education is one of the "Authorities" of the Univ. With the Senate at the base and the Syndicate as the apex, there are two bodies between them—the Academic Council to deal with collegiate questions and the Bd. of High School Educn. to look after the schools. This system of four "Authorities" forms a strong, stable structure for the Univ. The usual languages of instruction are English and Hindi.

FACULTIES AND DEANS. Arts, P. T. Raju ; Science, M. L. Schroff ; Commerce, S. S. Saxena ; Law, K. S. Hajela ; Engineering, V. Lakshminarayanan ; Medicine, Dr. S. K. Menon ; Education, Dr. K. L. Shrimali.

DEGREES. B.A., B.Sc., B.Com., B.E. (Electrical and Mechanical and Civil), B.Sc. (Ag.), B.Ed., M.B., B.S., B.Pharm., 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.

B.A., B.Sc. : candidates who have passed the Inter. Examn. of a recognized Bd. or Univ. and have attended a regular course of study in an affiliated coll. for 2 academical yrs. are admitted to the examn. M.A., M.Sc., and M.Com. : 2 yrs.' course in an affiliated coll. 2 examns.—Previous and Final. B.Com. : 3 yrs. Examn. at end of third yr., provided that candidates who have passed certain examns. are exempted from taking the first-yr. B.Com. course. LL.B. : Graduates in either Arts, Sci., Comm. who complete a regular course of study in an affiliated coll. are eligible for admission to the Previous Examn. and after 1 further yr. to the Final Examn. B.Sc. (Ag.) : Admission allowed to those

who have passed the Univ. Inter. Examn. in Agric. or any other examn. recognized as equivalent, and have attended a regular course of study in an affiliated coll. for 2 academical yrs. *M.B., B.S.* : 5 yrs.' course after Inter. Sci. (Biol.). *B.Pharm.* : 3 yrs.' course after Inter. Pharm. but degree awarded on production of satisfactory evidence of having undergone practical training in a recognized institution, hospital, etc., for not less than 90 days on certification by the Principal of the Coll. concerned. *B.E.* : 3 yrs.' course after Inter. Sci. (Phys., Chem., and Maths.) but degree awarded on producing evidence to the satisfaction of the Syndicate that the candidate concerned has undergone practical training for a period of 12 mos. (280 working days minimum) in a workshop or factory approved by the Principal of the Engineering Coll. concerned. *B.Ed.* : Candidates must have passed the Bachelor's or Master's degree of the Univ. or of some other recognized Univ. and have completed a regular course of study for 1 yr. in a coll. affiliated for the purpose. *Ph.D.* : Open to Masters in Arts, Sci., or Comm. after res. work of at least 2 yrs. and on submission of a thesis.

CERTIFICATES. High School, Inter. (Arts, Science, Commerce, and Agriculture), Teachers' Training Certificate and I.Pharm.

SCHOLARSHIPS AND MEDALS. The following scholarships, besides six Research Scholarships of Rs. 125 p.m. each for two yrs., have been instituted by the Univ., each tenable for 24 mos. : 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 Sci. and 2 for Comm., and 1 to a woman candidate who stands first among the women candidates), awarded on the results of the Inter. Examn. 1 scholp. of Rs. 25 p.m., awarded on the result of Inter. in Agric. examn. 5 scholps. (2 for Arts, 2 for Sci., and 1 for Comm.) of Rs. 40 p.m. each, awarded on the results of the Degree Examns. 5 scholps. of Rs. 25 each, tenable for one yr., awarded on the results of First M.B., B.S., Second M.B., B.S., Final M.B., B.S. Part I examn. to Medical students. 2 scholps. of Rs. 25 each, tenable for one yr., awarded on the results of F.E. and S.E. examns. to Engin. students. 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. Another gold medal, called the A. P. Cox Gold Medal, is also awarded annually to the best athlete of the Univ. for the yr. There are also three other gold medals, called (1) Seth Sagarmal Khetan Memorial Gold Medal, which is awarded annually to a candidate securing the highest number of marks in Hindi at the M.A. examn., (2) Seth Radha Krishna Khetan Gold Medal, awarded annually to a candidate securing the highest number of marks in Hindi at the B.A. examn., and (3) Mahadevi Khetan Memorial Gold Medal, awarded annually to a woman candidate securing the highest number of marks in Hindi at the B.A. examn. among the women candidates.

NATIONAL CADET CORPS TRAINING. Three Battalions—one at Jaipur, another at Udaipur, and the third at Jodhpur, each under a separate Commandant. A Sr. Division Advisory Cttee. has been formed for 2 yrs. from Jan. 1, 1950. The Univ. grants a sum of Rs. 5000 every yr. towards the amenities of N.C.C. Units.

PUBLICATIONS. *Handbooks* (Pts. I and II), *University Studies and Extension Lectures*, *Text-books and Syllabuses*, *Ordinances and Regulations*; *List of institutions.*

THE YEAR 1949-50

EXAMINATIONS. The number of candidates registered for the Inter., Degree, and Postgraduate examns. held in March-April 1950 was 5439. Of these, 1596 appeared at the Inter., 514 for the Inter. Commerce, 6 for the Inter. Agric., 20 for the Teachers' Training Certif., 654 for the B.A., 206 for the B.Sc., 311 for the B.Com., 383 for the M.A., 72 for the M.Sc., 91 for the M.Com., 801 for the LL.B., and 297 for the B.E. examns., 50 for the B.Ed. examn. and 101 for the first and second M.B., B.S. examns. The total number of students who appeared as regular students from affiliated Colls. was 4150, the remaining 952 appearing as private or non-collegiate (including 247 women) candidates. At the High School Examns., out of the 7341 candidates registered 7073 appeared for the examn. and 3897 passed.

TEACHING AND RESEARCH. There are now 3 teaching Depts. in the Univ.—Economics, Philosophy, and Geology. The Dept. of Econ. is located at Jaipur and the Depts. of Philos. and Geol. are located at Jodhpur and Udaipur respectively. Both res. work and postgraduate teaching (M.A. or M.Sc.) are carried on in these depts.

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. R. Krishnan, P. Koinange (S. Africa), J. R. Hicks and Mrs. Hicks (Oxford), Dr. Kaizer (America) and Dr. M. 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. spoke on the life and works of Goethe.

STUDENTS. Number enrolled as members of Univ., 3040. Number of students (by faculty) in the Affiliated Colls., 1215 in Arts, 480 in Sci., 687 in Law, 606 in Comm., 436 in Engin., and 199 in Med. The total number of students increased from 6860 (in 1949) to 7531 (in 1950), including 3888 candidates in the Inter. classes.

DEGREES. B.A., 506; M.A., 95; B.Sc., 97; M.Sc., 14; B.Com., 197; M.Com., 12; LL.B., 294; Ph.D., 1.

UNIVERSITY OF ROORKEE *

Founded in 1847 as Thomason College ; inaugurated
as a University in 1949.

Postal Address : University of Roorkee, Roorkee, U.P.

Telegrams : Tomcol, Roorkee

Telephone : Roorkee 5.

CHANCELLOR—H.E. Sir H. P. MODY, K.B.E., M.A., LL.D. Ban.

VICE-CHANCELLOR—C. A. HART, T.D., D.Sc. (Eng.), Ph.D., F.R.I.C.S.

REGISTRAR—N. C. PAL, M.A., B.L.

TEACHING STAFF

Civil Engineering

..... Prof.
Singh, S. R.
Krishna, J. Reader.
(Survey and Drawing)
Reader.

Lecturers
Shahani, P. B.
Advani, R. M.
Chitale, H. D.
Singh, B.

Electrical Engineering

Ahmas, Dr. Z. U. Reader.
Roy, S. N. Lectr.
Jethi, J. L. Lectr.

Mathematics, Pure and Applied

Prasad, Dr. C. Reader.
Agarwal, Dr. B. K.
(Physics) Lectr.

Mittal, K. (Maths.) Lectr.

Mechanical Engineering

Moudgill, J. N. Reader.
Lecturers
Prasad, J.
Dingwani, B. S.
Chaudhry, A. K.
Kapoor, P. N.

Overseer School

Agarwal, L. S. Temp. Chief Instr.
Goyal, S. C. (Civil Engin.) Lectr.
Jain, O. P. (Civil Engin.) Lectr.
Jain, B. K. Sr. Instr.
Instructors (Draughtsmen Class)
Nandan, R.
Garg, L. S.
Gupta, C. L.
Jain, B. P.

ADMINISTRATIVE AND OTHER STAFF

Controller of Examns., K. K. Sukhia. Supt. of Workshop, A. P. Ghosh.
Supt. of Univ. Estate, T. Chand. Personal Asst. to Vice-Chancellor, S. Swaroop.
O.C. (N.C.C.), Capt. N. Kumar. Univ. Medical Officer, P. N. Bose.

GENERAL INFORMATION

Established in 1847, the Thomason College of Engineering became the University of Roorkee by the University Act of 1946 (U.P. Act No. IX of

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

1948) as amended by Act No. XII of 1949. The Univ. was constituted to provide for the teaching of all branches of Engineering at Roorkee in a unitary, teaching, and residential University.

DEGREE COURSES in Civil, Electr., and Mech. Engin. for Bachelor of Engineering degree (3 yrs.); B.E. (Hons.) (4 yrs.).

CERTIFICATE. Overseer and Draughtsman courses (2 yrs.) for certif. Age limit for overseer examn. : 16 to 21.

ADMISSION. Admission to first yr. of Engin. course may be obtained only through annual competitive examn. (June). Age limits, 17 to 21 yrs. Admission fee, Rs. 20. Students cannot be admitted direct to second or third yr. classes. Qualifns. for admission : Pass in the Inter. Examn. (with Phys., Chem., and Maths.) of the U.P. Bd. of High School and Inter. Educn. or of any other Bd. or Univ. in the Indian Union recognized by the Govt. ; Cambridge Higher Sch. Certif. with Physics, Chem., and Maths. ; Pre-Engin. Examn. of Delhi Polytechnic ; B.Sc. Examn. of Delhi Univ. with English, Maths. and Phys. or Chem., provided that Chem. or Phys. were taken in the Higher Sec. Examn. of the Delhi Bd. ; B.A. (Hons.) Maths. of Delhi Univ., provided Science subjects were taken in the Higher Sec. Examn. ; Inter. Sci. Certif. (with Phys., Chem., and Maths.) of the East Panjab Univ. in lieu of Social Service ; Overseer certif. examn. of Thomason Coll. or of the Univ. of Roorkee ; High Sch. Examn. of the U.P. Bd. of Educn. plus 2 yrs.' engin. training in an approved engin. inst., or 2 yrs.' approved practical engin. experience.

TUITION FEE for engin. course, Rs. 24 p.m. ; for certif. courses, Rs. 6 p.m.

SCHOLARSHIPS. 33 scholps. of Rs. 50 each (15 for Civil, 9 for Electr., and 9 for Mech. Engin. students) awarded by Univ. In addition, 3 scholps. of Rs. 50 each are awarded to scheduled caste students who qualify in the entrance examn. 28 scholps. of Rs. 25 each are granted to Overseer class students. 4 additional scholps. of Rs. 25 each are awarded to scheduled caste students.

DEGREES awarded, 1951: B.E., 64. CERTIFICATES: Overseer, 79; Draughtsman, 10.

UNIVERSITY OF SAUGAR

Founded 1946

Postal Address : Sagar, Madhya Pradesh.

Telegrams : University, Sagar.

Telephone : Sagar 5.

CHANCELLOR—The Hon. Pandit RAVI SHANKER SHUKLA, B.A., LL.D.
Ban., Chief Minister, Madhya Pradesh, Nagpur.

PRO-CHANCELLOR—THE EDUCATION MINISTER, Madhya Pradesh, Nagpur.

VICE-CHANCELLOR—RAM PRASAD TRIPATHI, M.A., D.Sc. Lond.

TREASURER—Pandit A. M. MISRA.

REGISTRAR—ISHWAR CHANDRA, M.A. Panj.

DEANS—*Arts*—M. L. MISRA, D.Sc. Alld.; *Education*—L. P. D'SOUZA,
M.A., T.D. Lond.; *Law*—B. L. SETH, B.Sc., LL.B.; *Science*—
D. R. BHAWALKAR, M.Sc., Ph.D. Lond.

PROCTOR—R. N. PANDEY, M.A.

WARDENS—R. S. SHUKLA, M.A., D.Litt. Alld.; S. C. SINGH, M.A.,
Ph.D.; Mrs. V. BHAWALKAR, M.A.

TEACHING STAFF

Botany

Misra, R., M.Sc., Ph.D. Leeds
Reader.

Lecturers

Saksena, S. B., M.Sc.
Bhargava, H. R., M.Sc.
Mall, L. P., M.Sc. Luck.
Rao, Y. S., M.Sc. Ban.
Deshikachary, T. V., M.Sc., Ph.D.
Madr.

Chemistry

Bhattacharya, A. K., M.Sc., D.Sc.
Alld. Reader.

Lecturers

Perti, O. N., M.Sc., D.Phil. Alld.
Banerji, S. N., M.Sc., D.Phil. Alld.
Nigam, S. S., M.Sc. Alld.
Mahajani, A. V., M.Sc. Alld.
Lall, S. S., M.Sc. Alld.
Amirchand, M.Sc., Ph.D. Leigh.
Shrivastava, H. N., B.Sc. Nag.

Rao, G. S., M.Sc.

Chauhan, C. S., B.Sc.

Commerce

Lecturers

Misra, J. N., M.Sc. Lond.
Roy, R. P., M.Com. Alld.
Pandey, V. P., M.Com., LL.B.
Saxena, R. B., M.Com. Agra.

Economics

Lecturers

Nigam, S. B. L., M.A., M.Com.
Agra, Ph.D. Lond.
Shete, M. K., M.A. Nag.
Nakhare, M. G., M.A. Nag.

English

Swaminathan, S. R., B.A. Madr.
Reader.

Lecturers

Datta, A., M.A., Ph.D. Luck.

Sastri, P. S., M.A., M.Lit., Ph.D.

Nag.

Mukerji, A., M.A., D.Phil. Alld.

Mallikarjunan, S., B.A. Madr.

Bajpai, M. K., M.A. Alld.

Geology

Chiplonkar, G. W., M.Sc., D.Sc.

Ban.

Reader.

Dehadrai, P. V., M.Sc. Ban.

Lectr.

Padmanabhan, S., M.A., M.Sc.

Miss.

Lectr.

Dass, K. N., M.Sc.

Hindi

Bajpai, N. D., M.A. Ban. Reader.

Shukla, R. S., M.A., D.Litt. Alld.

Reader.

Lecturers

Pandey, R. N., M.A. Alld.

Bhatnagar, R. R., M.A., D.Phil.

Alld.

Pathak, K. K., M.A., LL.B. Nag.

Singh, R. L., M.A., B.T. Ban.

History

Lecturers

Gupta, H. L., M.A., D.Phil. Alld.

Mehrotra, S. R., M.A. Alld.

Law

Honorary Lecturers

Shrivastava, G. S., M.A., LL.B.

Dubey, A. L., B.A., LL.B.

Saraf, B. L., B.A., LL.B.

Kakkar, K. P., B.A., LL.B.

Marathi

Adoni, D. L., M.A. Nag. Lectr.

Mathematics

Misra, M. L., M.A., D.Sc. Alld.

Reader.

Lecturers

Saksena, K. M., M.A.

Singh, B. D., M.A. Ban.

Shukla, U. C., M.Sc. Alld.

Persian

Pathak, B. L., M.A., M.O.L.

Hon. Lectr.

Philosophy

Das, R., M.A., Ph.D. Reader.

Roy, S. S., M.A. Alld. Lectr.

Awasthi, C. S., M.A. Ban. Lectr.

Physics

Bhawalkar, D. R., M.Sc., Ph.D.

Lond.

Reader.

Lecturers

Ranade, J. D., M.Sc., Ph.D. Lond.

Pandeya, D. C., M.Sc. Luck.

Shrivastava, R. K., M.Sc. Nag.

Vedam, K., M.Sc.

Jatar, D. P., M.Sc.

Fatehally, R., M.Sc.

Tiwari, I. D., M.Sc. Alld.

Political Science

Lecturers

Singh, S. C., M.A., Ph.D. Luck.

Argal, R., M.A., Ph.D. Nag.

Shrivastava, R. P., M.A., LL.B.

Chandra, Munishwar, M.A. Luck.

Temp. Lectr.

Sanskrit

Apte, V. M., M.A., Ph.D. Camb.

Reader.

Upadhyaya, R., M.A., D.Phil.

Alld.

Lectr.

Bhawalkar, Mrs. V., M.A.

Temp. Lectr.

Urdu

Pathak, B. L., M.A., M.O.L.

Hon. Lectr.

Zoology

Misra, P. L., M.Sc., Ph.D. Luck.

Reader.

Lecturers

Misra, S. D., M.Sc., Ph.D. Luck.

Harswarup, M.Sc. Agra.

Bhargava, H. R., M.Sc. Alld.

Saini, R. S., M.Sc. Agra.

Shrivastava, R. K., M.Sc.

ADMINISTRATIVE OFFICERS AND OTHER STAFF

Deputy Registrar, P. Bajpai, M.A., LL.B. ; Assistant Registrar (Accounts), B. P. Misra, B.A. ; Librarian, B. L. Pathak, M.A., M.O.L. ; Chairman, Board of Physical Welfare, A. L. Pande, M.A., B.T. ; Chairman, Delegacy, A. K. Bhattacharya, D.Sc. Alld.

AFFILIATED COLLEGES

BILASPUR, *Law College*. Principal—U. S. Bisen, B.A., LL.B.

BILASPUR, *S.B.R. Arts College*. Principal—A. L. Pande, M.A., B.T.

JABALPUR, *D.N. Jain College*. Principal—B. S. Audholia, M.A., B.Com.

JABALPUR, *Government Engineering College*. Principal—S. P. Chakravarti, M.Sc., M.Sc. (Eng.) Lond., D.I.C.

JABALPUR, *G.S. College of Commerce and Economics*. Principal—P. L. Baldua, M.A., B.Com.

JABALPUR, *Hithkarini Law College*. Principal—K. C. Jain, B.A., LL.B.

JABALPUR, *Hithkarini Mahavidyalaya*. Principal—P. M. Paranjpe, M.A.

JABALPUR, *Mahakoshal Mahavidyalaya*. Principal—N. G. Shabde, D.Sc. Nag. and Edin.

JABALPUR, *Prantiya Shikshan Mahavidyalaya*. Principal—L. P. D'Souza, M.A., T.D. Lond.

JABALPUR, *St. Aloysius College*. Principal—Rev. H. van Engelen.

JABALPUR, *Training Institute for Women*. Principal—Z. Soule, M.A., M.Ed.

JABALPUR, *Veterinary College, Madhya Pradesh*. Principal—H. N. C. Iyengar.

KHANDWA, *Diploma Institute for Men*. Principal—W. P. Patil, M.Sc., B.T.

KHANDWA, *Shree Nilkantheshwar College*. Principal—A. C. Bose, M.A., Ph.D. Dub.

RAIPUR, *Chhattisgarh College*. Principal—M. A. Kelkar, M.A., L.T.

RAIPUR, *College of Science*. Principal—U. D. Mukerji, M.Sc.

RAIPUR, *Law College*. Principal—J. Yoganandam, M.A., LL.B.

GENERAL INFORMATION

The University was founded by Sir Hari Singh Gour, who gifted Rs. 20 lacs and appealed to both Central and Provincial Govts. to make suitable donations. The Govt. of Madhya Pradesh donated Rs. 10 lacs towards the Univ. Endowment Fund and made a further grant of Rs. 15 lacs towards bldgs. and equipment. They are also making a grant of Rs. 4 lacs a yr. towards the maintenance of the Univ. The Govt. of Madhya Pradesh have transferred to the Univ. 2050 acres of land, free of cost, at a site selected by the Univ. for the founding of the Univ. town. The permanent bldgs. of the Univ. are being constructed on the new site, which is on a plateau commanding extensive and beautiful views and more than 2000 ft. above sea level. At least Rs. 1 crore will be necessary for the completion of the bldg. programme.

The Founder of the Univ. intended that it should be particularly concerned with Polytechnics. Accordingly, a scientific and technological faculty has grown up requiring expensive equipment and labs. and laying special emphasis

on Sci., Phys., Technol., Engin., and Agric., along with a study of Arts and Social Sciences.

The Univ. is a teaching and residential as well as an affiliating Univ. and has on its register about 5000 students, of whom over 1000 are in residence in the Teaching Depts. at Sagar. Most of the members of the Teaching Staff live in the Univ. bldgs., and thus participate in the wider life of the Univ. A Course in General Knowledge is compulsory for all undergraduate students.

DEGREES. B.A., B.Sc., B.Com., LL.B., M.A., M.Sc., LL.M., M.Com., B.T., M.Ed., B.E., B.E. (Hons.), B.V.Sc., Ph.D.

ADMISSION. Students who have passed the High Sch. Certif. Examn. of Madhya Pradesh or other equivalent examn. may be admitted to the 1st-yr. course (Inter. 1st yr.). Students who have passed the Univ. Inter. Certif. Examn., or any other examn. recognized as equivalent, may be admitted to the third-yr. class, *i.e.* 1st yr. of the Bachelor Degree Course. Non-members of the Univ. are not admitted to regular classes.

Graduates of the Univ. and of other recognized Univs. may be admitted to the postgraduate degree course.

FEES for tuition per session : I.A., Rs. 117 ; I.Sc., B.A., B.Sc., Rs. 135 ; M.A., M.Sc., Rs. 162 ; I.Com., Rs. 126 ; B.Com., Rs. 144 ; M.Com., Rs. 171 ; LL.B. Previous, Rs. 108 ; LL.B. Final, Rs. 126 ; Soaps and Cosmetics Dipl. Course, Rs. 72.

LANGUAGES OF INSTRUCTION. Hindi and English in Inter. classes. English in undergraduate and postgraduate classes.

LIBRARY. Approx. 13,800 vols.

N.C.C. Regular Univ. National Cadet Corps maintained by the Ministry of Defence, Govt. of India.

RESIDENCE AND HEALTH. Accommod. is provided for 500 students in the Halls of Residence. The Bd. of Physical Welfare is responsible for the physical welfare of the students.

STUDENTS' UNIONS. Univ. of Saugar Union ; Delegacy Students' Union ; and Hostel Students' Union.

PUBLICATIONS. *Calendar* ; *Prospectuses*, *Annual Reports* ; *University Journal*.

THE YEAR 1949-50

The late Sir Hari Singh Gour, Founder of the Univ., left four-fifths of his entire estate (about a crore of rupees) to the Univ.

UNIVERSITY OF TRAVANCORE *

TRIVANDRUM

Founded 1937

CHANCELLOR—HIS HIGHNESS SIR BALA RAMA VARMA, G.C.S.I., G.C.I.E., D.Litt.

VICE-CHANCELLOR—Sir A. RAMASWAMI MUDALIAR, D.C.L.

PRO-VICE-CHANCELLOR—P. R. PARAMESWARA PANIKKAR, M.A.

DEANS—*Arts*—A. SIVARAMASUBRAMONIA AIYER, M.A., Ph.D. ; *Science*—C. S. VENKATESWARAN, M.A., D.Sc., F.I.P. ; *Oriental Studies and Fine Arts*—K. GOVINDA PILLAI, Malloor, B.A., B.L. ; *Law*—C. KUNHI RAMAN ; *Education*—V. SUNDARARAJ NAIDU, M.A. B.L. ; *Technology*—M. V. KESAVA RAO, B.Sc., Ph.D. ; *Commerce*—A. GOPALA MENON, M.A., B.Com. ; *Ayurveda*—M. N. KESAVA PILLAI ; *Medicine*—J. THALIAT, M.B., B.S., F.R.C.S.

REGISTRAR—.....

OFFICER-IN-CHARGE, UNIVERSITY LIBRARY—A. SIVARAMASUBRAMONIA AIYAR, M.A., Ph.D.

TEACHING STAFF

HEADS OF DEPARTMENTS OF STUDY IN THE UNIVERSITY

<i>Botany</i>		<i>European Languages</i>	
Abraham, A., M.Sc., M.A., Ph.D.		Tamby, T. P., B.A.	Lectr.
<i>Chemistry</i>	Prof.	<i>Fine Arts</i>	
Narayanan Poti, A., M.A., Ph.D.			
<i>Commerce</i>	Prof.	<i>Hindi</i>	
.....		Bhaskaran Nair, K., B.O.L.	Lectr.
<i>Economics</i>		<i>History</i>	
Pillai, V. R., B.A., M.Sc.	Prof.	Pillai, K. P., B.A.	Prof.
<i>Education</i>		<i>Islamic Studies</i>	
Mani, K. M., M.A. Camb., B.A., L.T.	Prof.		
<i>Engineering</i>		<i>Law</i>	
.....		Narayanan, K., B.A., B.L.	Prof.
<i>English</i>		<i>Malayalam</i>	
Sivaramasubramonia Aiyer, A., M.A., Ph.D.	Prof.	Goda Varma, K., M.A., Ph.D.	Prof.

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

<i>Marine Biology and Fisheries</i>	<i>Sciences, Applied, Research in</i>
.....	
<i>Mathematics</i>	<i>Statistics</i>
.....	Sivaraman Nair, U., M.A., Ph.D.
<i>Oriental Studies, Research in</i>	<i>Tamil</i>
.....	
<i>Philosophy</i>	<i>Textile Technology</i>
Sundararaj Naidu, V., M.A., B.L.	Gopalan Nair, M. P., T.T.W.F.M.
<i>Physics</i>	Saxony, Spin.Tech. Bohemia.
Venkateswaran, C. S., M.A., D.Sc., F.I.P. Prof.	<i>Zoology</i>
<i>Sanskrit</i> [Prof.	Bhaskaran Nair, K., D.Sc. Prof.
Ramaswami Sastri, V. A., M.A.	

ADMINISTRATIVE AND OTHER STAFF

Dir. of Research, P. V. Nair, B.A., M.Sc., D.Phil., F.C.S. Dir. of Physical Educn., P. I. Alexander, M.A., M.P.E. Sec., Students' Advisory Bureau, E. P. Narayana Pillai, M.A. Oxon. Sec., Students' Employment Bureau, E. P. Narayana Pillai, M.A. Oxon. Warden, Univ. Hostel, S. Sivarama Pillai, M.A. Warden, Coll. Hostel for Women, Miss D. P. Muthunayagam, M.A.

COLLEGES MAINTAINED BY THE UNIVERSITY

TRIVANDRUM, *H.H. the Maharaja's University College*. Provides Hons. courses in Hist., Econ., English, Sanskrit, Malayalam, Maths., Pol., Philos., and Pass courses in Hist., Psychol., Philos., Pol., Malayalam, Econ., Tamil, Sanskrit, Hindi, Islamic Culture, Maths., Physics, Chem., Bot., and Zool., and Postgraduate courses in Maths., Physics, Chem., Statistics, Bot., Zool., Philos., and Econ. Principal—C. S. Venkateswaran, M.A., D.Sc., F.I.P. 100 other teachers.

TRIVANDRUM, *H.H. the Maharaja's College for Women*. Provides pass courses in Hist., Indian Music, and Econ. Principal—Anna Nidiri, M.A. 38 other teachers.

TRIVANDRUM, *H.H. the Maharaja's Sanskrit College*. An Oriental College providing instruction for the Sanskrit Entrance, Mahopadhyaya and post-Mahopadhyaya courses. Principal—N. Gopala Pillai, M.A. 15 other teachers.

TRIVANDRUM, *University Intermediate College*. A second grade college. Principal—S. Sivarama Pillai, M.A. 46 other teachers.

Professional Colleges

ERNAKULAM, *H.H. the Maharaja's Law College*. B.L. course. Principal—K. Narayanan, B.A., B.L. 4 other teachers.

TRIVANDRUM, *H.H. the Maharaja's Training College*. B.T. course. Principal—K. M. Mani, M.A. Camb., B.A., L.T. 11 other teachers.

TRIVANDRUM, *College of Engineering*. Degree, Dipl., and Certif. courses in Civil, Mech., and Electr. Engin. Principal—M. V. Kesava Rao, B.Sc., Ph.D. 49 other teachers.

TRIVANDRUM, *Institute of Textile Technology*. Dipl. and Certif. courses in Textile Manufacture and Textile Chem. Principal—M. P. Gopalan Nair, T.T.W.F.M. Saxony, Spin. Tech. Bohemia. 15 other teachers.

TRICHUR, *Maharaja's Technological Institute*. Dipl. and Certif. courses in Civil, Mech., and Electr. Engin. Lecturer-in-charge—K. C. Chacko, M.A., B.E. 27 other teachers.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

First Grade Colleges

ALLEPPEY, *Sanatana Dharma College*. Provides pass courses in Maths., Bot., Zool., and Econ. and B.Com. course. Principal—V. Ramanathan, M.A., L.T. 49 other teachers.

ALWAYE, *Union Christian College*. Provides pass courses in Maths., Phys., Philos., Hist., and Econ. Principal—C. P. Mathew, M.A. 35 other teachers.

CHANGANACHERRY, *St. Berchman's College*. Provides pass courses in Maths., Phys., Bot., Zool., and Econ. Principal—Rev. Fr. Thomas William, M.A., L.T. 76 other teachers.

CHITTUR, *Government College*. Provides pass courses in Philos., Econ., Malayalam, Tamil, and Maths. and B.Com. course. Principal—G. F. Papali, M.A., Ph.D. Lond. 29 other teachers.

ERNAKULAM, *Maharaja's College*. Provides pass courses in Maths., Hist., Econ., Malayalam, Phys., Chem., Zool., Bot. and Comm., and Hons. and Postgraduate courses in Chem. and Phys. Principal—T. C. Sankara Menon, M.A. Camb. 76 other teachers.

KOTTAYAM, *C.M.S. College*. Provides pass courses in Hist. and Maths. Principal—P. C. Joseph, M.A. 38 other teachers.

NAGERCOIL, *Scott Christian College*. Provides pass courses in Hist. and Maths. Principal—G. H. Marsden, M.A. 31 other teachers.

QUILON, *Sree Narayana College*. Provides pass courses in Maths., Phys., Chem., Zool., Bot., Econ., and Hist. Principal—A. Rama Iyer, M.A. 75 other teachers.

TRIVANDRUM, *Mahatma Gandhi College*. Provides pass courses in Econ., Maths., and Phys. Principal—V. Narayana Pillai, M.A., B.L. 44 other teachers.

TRIVANDRUM, *Mar Ivanios College*. Provides pass course in Econ. Principal—N. A. Thomas, B.A., B.T., Ph.D. 38 other teachers.

Second Grade Colleges

CHANGANACHERRY, *N.S.S. Hindu College*. Principal—G. Thomas, M.A. 35 other teachers.

PALAI, *St. Thomas College*. Principal—P. J. Thomas, M.A., Ph.D., D.D. 27 other teachers.

PANDALAM, *N.S.S. College*. Principal—P. R. Subbarama Iyer, M.A. 16 other teachers.

Professional College

TRICHUR, *Government Training College*. B.T. course. Principal—K. J. Augustine, M.A., L.T. 9 other teachers.

GENERAL INFORMATION

The University of Travancore was established under an Act promulgated by H.H. the Maharaja of Travancore on Nov. 1, 1937. The chief aims of the Univ. are to effect a reorganization of the system of educn. in the State with a view to the gradual development of Technical and Technological educn., to make greater and more systematic provision for the furtherance of original research in the various branches of Applied Sci., and to provide for the conservation and promotion of Kerala Art and Culture.

The Senate, consisting of between 80 and 90 members, is the legislative body of the Univ. and has general control over the affairs, concerns, and properties of the Univ. subject to the ultimate control of the Govt. In addition to the *ex officio* members—the Vice-Chancellor, Dir. of Public Instruction, Deans of Facs., and Principals of Colls.—the Senate includes also representatives of registered graduates and of the Legislature and a certain number of members nominated by the Chancellor. The Senate is to be reconstituted every 3 yrs. The Syndicate, consisting of 12 members, forms the executive body of the Univ. and the admin. 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 Univ. are the Facs. and the Bds. of Studies. At present there are 9 Facs.—Arts, Sci., Oriental Studies and Fine Arts, Law, Educn., Technol., Comm., Ayurveda, and Med. There are also 23 Bds. of Studies.

ADMISSION. Admission to the Inter. course in Arts and Sci. is open to holders of the following: the English Sch. Leaving Certifs. or Sec. Sch. Leaving Certifs. issued by Dir. of Public Instruction, Travancore-Cochin; who have been declared eligible for admission to a course of study in the Univ.; completed Sec. Sch. Leaving Certifs. issued under the authority of the Govts. of Madras and Hyderabad, and declared eligible by Madras Univ. for admission to a Univ. course of study; Sr. Sch. Certif. (English) of the Ceylon Educn. Dept., provided that the holder has passed the examn. obtaining a full pass with credit in not less than four subjects; Higher Sec. Certif. with a first or second class, issued by the Bd. of Sec. Educn., Hyderabad-Deccan; London Matricn. Examn. Certif.; Matricn. Certif. of a recognized Indian Univ.; Indian Army Spec. Certif. of Educn. or Higher Educn. Test Certif. of the Royal Indian Navy, or the Matricn. Test Certif. of the Royal Indian Air Force; Oxford and Cambridge School Certifs. satisfying the following conditions: (i) Pass in the certificate examn. in Groups I, II, and III satisfying the requirements in a total of 5 subjects, obtaining credit in not less than 4 subjects, of which at least 3 should be from the following: English; a language other than English; Hist.; Geog.; Phys.; Chem.; Bot.; Biol.; General Sci.; Phys. with Chem.; Maths.; (ii) the pass in 5 subjects and the 4 credits should be obtained at one sitting.

DEGREES AND DEGREE COURSES. B.A. and B.Sc. (ord.), 2 yrs. after Inter. or 3 yrs. after Univ. Previous; B.A. and B.Sc. (Hons.), 3 yrs. after Inter. or Univ. Previous; B.Sc. (Eng.), 5 yrs. after Inter. or Univ. Previous. Candidates for the M.A. and M.Sc. must undergo prescribed courses of study for 2 yrs. after first degree. The M.Sc. is also awarded to graduates of recognized Univs. on the result of res. work over 3 yrs.; non-graduates 4 yrs. The Ph.D. is awarded to Masters of Arts or Science by examn. after 3 yrs.' res. and to M.Sc.s by res. after 2 yrs.' res. The D.Sc. and D.Litt. are awarded to Ph.D.s after 2 yrs.' res. The B.L. is awarded after 2 yrs. and the B.T. after 1 yr. of postgraduate study.

DIPLOMAS. Dipl. in Textile Manufacture and Textile Chem., each 3 yrs.

Dipls. in Civil, Mech., and Electr. Engin., each 4 yrs. Dipl. in Shorthand and Typewriting, 2 yrs.

ORIENTAL STUDIES. The following titles are awarded :—Mahopadhyaya (Sanskrit) ; Sahityavisarada (Malayalam) ; Vidvan (Tamil) ; Vidvan (Hindi).

RESEARCH. To provide increased facilities for research in appl. sci. a Central Res. Inst., consisting of the Water Analysis Section of the Water Works Dept. and the Res. Sections of the Dept. of Agric. and Fisheries, the Dept. of Industries, and the Dept. of Marine Biol. and Fisheries, was started under the auspices of the Univ. in 1939. Programmes of Res. were also started under Univ. Teachers in Univ. College in the depts. of Maths., Phys., Chem., Bot. and Zool. A Council of Research was also constituted. A Div. of Mineral Survey and Res. has been organized. The University has instituted 20 res. scholps., each of Rs. 60 p.m. There are several scholps. and fellowships paid from private endowments. The Res. students work under the guidance of officers in the Inst. or in the Coll. under the Univ.

Schemes of Res. 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 Inst. starts a commercial undertaking or encourages private agencies to do so in collaboration with the Univ.

The usual LANGUAGE OF INSTRUCTION AND EXAMINATION is English.

LIBRARIES. Univ. Library, 37,841 vols. Univ. Oriental MSS. Library, over 33,300 MSS. and 3000 printed books.

LABORATORIES. Phys., Chem., Bot. and Zool.

PUBLICATIONS. *Calendar* (2 Pts. Pt. I : Calendar, Act, Statutes, Ordinances, etc. ; Pt. II : Syllabuses, Text-books. Pt. I, published once in 3 yrs., Pt. II annually) ; *Administration Report* (annual) ; *Journal of Indian History* (3 issues p.a.) ; *Sanskrit Journal* (quarterly).

DEPARTMENT OF PUBLICATIONS. This dept. prepares new books of lit. and scientific interest in Tamil and Malayalam.

RESIDENCE. Students not living with their parents or guardians must live in approved hostels or lodgings. The Univ. maintains the following : Univ. Hostel, Trivandrum (accomm. for 277 students) ; Coll. Hostel for Women, Trivandrum (70) ; Hostel Extension for Women, Trivandrum (157) ; Uniy. Students' Hall, Trivandrum (45) ; Engin. Coll. Hostel, Trivandrum (17) ; Law Coll. Hostel, Ernakulam (60). In addition, other hostels are recognized by the Univ.

N.C.C. The 1st Travancore Battalion, a Sr. Div. of the National Cadet Corps, has been inaugurated in the Univ. to provide for Military training of Univ. students. The authorized strength of the Battalion is 10 N.C.C. Officers and 315 Cadets.

MEDICAL INSPECTION AND PHYSICAL EDUCATION. Provision has been made for inspection by qualified Medical Officers of students in the Jr. Inter. and Jr. B.A. and B.Sc. classes. Physical Educn. is compulsory for the Inter. Course and the colls. have on their staffs qualified Physical Instrs. Athletics in different forms have been provided for in all colleges. Univ. Tennis Stadium, also Stadium for field sports. Instruction in Yogic Physical Culture.

STUDENTS' UNION. The Travancore University Union.

THE YEAR 1949-50

BENEFACTION. Rs. 9,88,402.

ACADEMIC DEVELOPMENTS. The report of the Special Cttee. appd. by Govt. to enquire into the position of Sanskrit educn. in the State and formulate proposals for the reorgan. of Sanskr. studies was sent to the Univ., and the Syndicate expressed itself in favour of the academic proposals contained therein. Govt. approved the main academic recommendations of the Cttee. in the form proposed by the Syndicate and requested the Univ. to work out the details of the scheme. As a first step the Senate instituted a 2-yr. Entrance Course in Sanskrit to prepare holders of the Sastri Certif. for admission to Inter. Class and a 2-yr. Course for holders of the Mahopadhyaya title to enable them to take the Degree examn. in Sanskrit. The Entrance Class was started in the Sanskrit Coll.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. V. Ganapathy Iyer (Annamalai), "Theories of Integration." Prof. M. H. Stone (Chicago), "Mathematical Research Activities in U.S.A.," "Theory of Integration." Sri Nag Bhushana (Sri Krishnarajendra Silver Jubilee Technological Inst., Bangalore), "Growth of Textile Industry," "Textile Fibre and Textile Testing." Dr. S. Meenakshisundaram (Andhra), "Linear Operators and Eigen Function expansions." Prof. H. Wold (Uppsala), "Analysis of Demand Curve."

RETIREMENT. Sir H. C. Papworth, Vice-Chancellor.

RESIGNATION. Her Highness Maharani Setu Parvati Bayi of Travancore resigned the office of Pro-Chancellor of the Univ.

HONORARY DEGREE. *D.Litt.*—H. C. Papworth, former Vice-Chancellor.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	24	9,947
Women	3	2,408
Total	27	12,355

Included in the above are 563 postgraduate students and 4657 first-year admissions.

DEGREES. B.A. (Pass), 294 ; B.A. (Hons.), 13 ; M.A., 9 ; B.T., 90 ; B.L., 79 ; M.L., 1 ; B.Sc. (Pass), 360 ; B.Sc. (Hons.), 8 ; M.Sc., 14 ; B.Sc. (Engin.), 11.

UTKAL UNIVERSITY *

Founded 1943

Postal Address : Cuttack 3, Orissa.

Telegrams : University, Cuttack.

Telephone : (Registrar) 193 Cuttack.

CHANCELLOR—H.E. M. ASAF ALI, Governor of Orissa.

PRO-CHANCELLOR—Hon. H. K. MAHTAB, LL.D., Minister of Industry and Commerce, Government of India.

VICE-CHANCELLOR—PARSURAM MISRA, M.Sc. Cal., Ph.D. Leeds.

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* (1944). (Telephone: Balasore 18.) B.A., I.Sc. Principal and Admin. Officer, P. S. Sundaram, B.A. Oxon. Teaching Staff—*Bot.*, S. N. Mitra, M.Sc.; *Chem.*, A. S. Mitra, M.Sc.; *Econ.*, J. K. Misra, M.A.; *English*, P. S. Sundaram, B.A. Oxon.; *Hist.*, M. N. Das, M.A.; *Maths.*, B. Ray, M.A.; *Philos.*, H. L. Debnath, M.A.; *Phys.*, A. Bir, M.Sc.; *Sanskrit and Oriya*, S. Hota; *Zool.*, U. C. Panda, M.Sc. 13 other Lectrs.

BARIPADA (Mayurbhanj), *Maharaja Purna Chandra College* (1948). B.A., I.Sc. Principal and Admin. Officer, G. Singh, M.A. Camb. Teaching Staff—*Bot.*, L. M. Sarkar, M.Sc.; *Chem.*, T. M. Patnaik, M.Sc.; *Econ.*, J. N. Dhar, M.A.; *English*, D. C. Kuanar, M.A.; *Hist.*, G. Singh, M.A. Camb.; *Maths.*, R. D. Bhargab, M.A.; *Phys.*, K. S. R. Murty, M.Sc.; *Sanskrit and Oriya*, R. N. Mahapatra, M.A.; *Zool.*, P. K. Das, M.Sc. 9 other Lectrs.

BERHAMPUR (GANJAM), *Khallikote College* (1878). B.A., B.Sc. Principal and Admin. Officer, N. Padhi, M.A., L.T. Teaching Staff—*Chem.*, K. Venkataswara Rao, M.A.; *Econ.*, N. Padhi, M.A., L.T.; *English*, D. R. Panigrahi, M.A., B.Ed.; *Hist.*, K. Sambasiva, M.A.; *Maths.*, K. N. Sundaresan, B.A. And.; *Philos.*, C. Sitaramaiah, B.A. And.; *Phys.*, K. V. Iyer, B.A. Madr.; *Sanskrit and Oriya*, C. M. Das, M.A.; *Telugu*, P. A. Sastry. 12 other Lectrs.

BHADRAK (BALASORE), *Bhadrak College*. (1948.) B.A. Principal and Admin. Officer, G. Dharma Rao, M.A., L.T. Teaching Staff—*Econ.*, P. K. Ghose, M.A.; *English*, G. Dharma Rao, M.A., L.T.; *Hist.*, S. K. Ray Choudhury, M.A.; *Logic*, A. K. Nandi, M.A.; *Maths.*, D. Mallick, M.Sc.; *Sanskrit*, P. N. Banerjee, M.A.; *Oriya*, G. B. Mohanty, M.A.; *Urdu*, Khalliduin Ahmed Khan. 2 other Lectrs.

BOLANGIR (BOLANGIR PATNA), *Rajendra College* (1943). I.Com., B.A. Principal and Admin. Officer, D. Misra, M.A. Col., Ph.D. Teaching Staff—*Comm.*, S. N. Jena, M.Com.; *Econ.*, R. C. Mohanty, M.A.; *English*, T. C. Nandi, M.A.; *Hist.*, B. Patel, M.A.; *Maths.*, M. K. Madikhaya, M.Sc.;

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

Oriya, B. Raut, M.A. ; *Philos.*, D. Misra, M.A. Col., Ph.D. ; *Sanskrit*, Pt. S. Das Sharma. 5 other Lectrs.

CUTTACK, *Christ College* (1944). (Telephone: Cuttack 213.) B.A. Principal and Admin. Officer, B. Mohanty, M.A., B.L. Teaching Staff—*Econ.*, V. Subhramanyan, M.A. ; *English*, B. Mohanty, M.A., B.L. ; *Hist.*, G. H. Samantaray, M.A. ; *Maths.*, M. N. Ray, M.A. ; *Oriya*, S. Das, M.A., Dip. in Edn. ; *Philos.*, S. R. Mukherjee, M.A. ; *Sanskrit*, Pt. B. Acharya. 4 other Lectrs.

CUTTACK, *Madhusudan Law College of the Utkal University* (transferred to Univ. by Govt. in 1949). LL.B. Prof. of Law, K. Satyanarayan Murthy, B.A., M.L. 6 pt.-time Lectrs.

CUTTACK, *Radhanath Training College* (1923). (Telephone: Cuttack 275.) Dip. in Edn. Principal and Admin. Officer, B. Rath, M.A. Lond. 2 other Lectrs.

CUTTACK, *Ravenshaw College* (1868). (Telephone: Cuttack 56.) M.A., M.Sc. Principal and Admin. Officer, G. B. Banerjee, M.Sc., Ph.D. Lond. Teaching Staff—*Bengali*, V. N. Mukherjee, M.A. ; *Bot.*, B. Samantaray, B.L., M.Sc., Ph.D. Lond., D.I.C. ; *Chem.*, B. Prasad, D.Sc. Lond. ; *Econ.*, S. Misra, M.A., Ph.D. Lond. ; *Educn.*, G. K. Mohanty, M.A., Dip.-in-Edn. Brist. ; *English*, G. S. Ray, M.A., B.L. ; *Geog.*, M. M. Hasan, M.A., M.Ed. ; *Hist.*, G. S. Das, B.A. Lond. ; *Maths.*, R. N. Mohanty, M.Sc., Ph.D. ; *Oriya and Sanskrit*, K. K. Kar, M.A., D.Litt. ; *Philos.*, D. N. Dutta, M.A. ; *Phys.*, A. K. Dutta, M.Sc., D.Sc. Dacca ; *Urdu and Persian*, A. Ali, M.A., Dip.-in-Edn. ; *Zool.*, R. N. Mukherjee, M.Sc., Ph.D. 66 other Profs. and Lectrs.

CUTTACK, *Sailabala Women's College* (1915). (Telephone: Cuttack 264.) B.A. Lady Principal and Admin. Officer, Mrs. I. L. Sinha, M.A. Lond. Teaching Staff—*Dom. Sci.*, Miss P. Behera, M.A., Dip. H.S. ; *Econ.*, K. B. Saha, M.A., Ph.D. ; *English*, Mrs. Prabhat Nalinee Das, M.A. ; *Hist.*, Mrs. I. L. Sinha, M.A. Lond. ; *Maths.*, Miss Rama De, M.A. ; *Oriya*, Miss Santilata Behera, M.A. ; *Philos.*, Miss Mukul Raichaudhury, M.A. ; *Sanskrit*, Miss Sovra Ray, M.A. 6 other Lectrs.

CUTTACK, *Sri Ramchandra Bhanj Medical College* (1949). (Telephone: Cuttack 239.) M.B., B.S. Principal and Admin. Officer, Lt.-Col. P. Papatla, B.A., M.B., B.S., D.O.M.S., D.L.O., D.P.H., F.R.C.S.Ed. Teaching Staff—*Anat.*, R. K. Mohanty, M.B., B.S., B.Sc. Tor. ; *Biochem.*, K. Subrahmanya, M.Sc. ; *Med.*, Lt.-Col. K. N. Pisharoty, M.B., B.S., D.T.M. Cal., M.D. Madr. ; *Obstet. and Gynaecol.*, Miss J. Dei, M.B., B.S. ; *Pathol.*, B. Pattanaik, B.Sc., M.B. Cal., D.P.H. Cal. ; *Physiol.*, S. M. Banerjee, M.Sc., M.D. Cal. ; *Surg.*, G. S. Das Mahapatra, F.R.C.S.Ed. ; *Clin. Surg.*, K. N. Misra, B.Sc., M.B., D.T.M. 26 other Profs. and Asst. Profs. and Lectrs.

CUTTACK, *Stewart Science College* (1944). (Telephone: Cuttack 268.) I.Sc. Principal and Admin. Officer, Rev. H. T. Bamfield, B.Sc., Dip.-Ed. Birm. Teaching Staff—*Chem.*, S. K. Mukherjee, M.Sc., B.L. ; *English*, A. K. Banerjee, M.A. ; *Maths.*, S. M. Das, M.Sc. ; *Phys.*, K. N. Ghosal, M.Sc. 4 other Lectrs.

JAJPUR (CUTTACK), *Narsingha Choudhury College* (1946). I.A. Principal and Admin. Officer, K. B. Pattanaik, M.A., B.L. Teaching Staff—*English*, K. B. Pattanaik, M.A., B.L. ; *Econ.*, B. C. Guha, M.A. ; *Logic*, N. C. Goswami, M.A. ; *Maths.*, Miss Prativa Rath, M.A. ; *Oriya and Sanskrit*, J. Rath, B.O.L.

JEYPORE (KORAPUT), *Vikram Deb College* (1947). I.A., I.Sc. Principal and Admin. Officer, R. K. Misra, M.Sc. Teaching Staff—*Bot.*, K. L. Parthasarathi,

M.Sc. ; *Chem.*, R. K. Misra, M.Sc. ; *Econ.*, K. P. Nigam, M.A. ; *English*, D. K. Guha, M.A. ; *Oriya and Sanskrit*, L. Misra, B.O.L. ; *Maths.*, M. Suryanarayan, M.A., Dip.Ed. ; *Logic*, S. K. Nanda, M.Sc. ; *Phys.*, T. Rath, M.Sc. ; *Zool.*, K. I. Varghese, M.Sc.

PARLAKIMEDI (GANJAM), *Sri Krishna Chandra Gajapati College* (1886). B.A. and I.Sc. Principal and Admin. Officer, J. Mohanty, M.A. Teaching Staff—*Agric.*, B. Kamaraju, B.A., B.Sc. (Agric.), B.Ed. ; *Bot.*, C. N. B. Sankar, M.A. ; *Chem.*, C. S. Murty, M.Sc., B.Ed. ; *Econ.*, S. B. Ramaya, M.A. ; *English*, T. Krishna Murty, M.A. ; *Hist.*, J. Mohanty, M.A. ; *Maths.*, P. V. L. Narasing Rao, M.A., L.T. ; *Oriya*, K. C. Misra, M.A. ; *Logic*, R. N. Bhattacharya, M.A. ; *Telugu*, A. Narasinga Rao, M.A. ; *Zool.*, N. K. Mohapatra, M.Sc. ; *Phys.*, H. K. Patnaik, B.A., B.Ed. 8 other Lectrs.

PURI, *Samanta Chandra Sekhar College* (1944). B.A., I.Sc. Principal and Admin. Officer, B. C. Das, B.A. Lond. Teaching Staff—*Chem.*, A. C. Banerjee, M.Sc. ; *Econ.*, M. Mohapatra, M.A. ; *English*, T. E. Jayaraman, M.A. ; *Hist.*, R. K. Das, M.A. ; *Maths.*, B. C. Das, B.A. Lond. ; *Oriya*, R. K. Ray, M.A., D.Ed. ; *Philos.*, S. K. Chattapadhaya, M.A. ; *Phys.*, M. Misra, M.Sc. 21 Asst. Profs. and Lectrs.

SAMBALPUR, *Gangadhar Meher College* (1944). (Telephone : Sambalpur 13.) B.A., B.Com., I.Sc. Principal and Admin. Officer, M. Mansinha, M.A., Ph.D. Durh. Teaching Staff—*Bot.*, S. Nayak, M.Sc. ; *Chem.*, S. N. Nayak, M.Sc. ; *Comm.*, P. C. Ray, M.A. (Com.) ; *Econ.*, B. Misra, M.A. ; *English*, K. P. A. Pillai, M.A. ; *Maths.*, S. P. Misra, M.Sc. ; *Oriya and Sanskrit*, S. Das, M.A. ; *Phys.*, R. C. Rajguru, M.Sc. ; *Zool.*, M. A. John, M.Sc. 14 Asst. Profs. and Lectrs.

GENERAL INFORMATION

After the separation of Orissa from Bihar and the creation of a new Province of Orissa in April 1936, a strong desire was expressed among the leaders of the Province to establish a separate University in Orissa. In 1942 a Committee was formed under the presidentship of Pandit Godavarish Misra, M.A., B.T., 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 Nov. 23, 1943, and from that date Utkal University came into being under the Utkal University Act, 1943 (Orissa Act XIII of 1943).

Utkal University is at present a Univ. with which there are affiliated 16 colls., of which 11 are First Grade Colleges, 3 Second Grade Colleges, 1 Medical College and 1 Training College. The one Law College, which prepares for the LL.B., is a University College. 170 High Schools recognized by the Director of Public Instruction, Orissa, are permitted to present candidates for the Matricn. examn. of the Univ.

The Univ. has no bldg. 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, 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. move to the new capital of Orissa at Bhubaneswar.

The Univ. authorities are : the *Senate*, the supreme governing body of the Univ. ; the *Syndicate*, the Univ. executive body ; the *Academic Council*, which deals with academic matters only ; the *Faculties* ; and the *Matriculation Bd.*

FACULTIES AND DEANS. Arts, A. B. Mohanty ; Science, Dr. B. Prasad ; Education, M. C. Pradhan ; Law, Hon. Mr. Justice B. Jaganadha Das ; Medicine, Lt.-Col. B. N. Hajra ; Commerce, Dr. K. B. Saha.

ADMISSION to Univ. Inter. courses is by Matriculation examn. of the Univ., or by one of the following examns. recognized as equivalent thereto : Matricn. Examn., or equivalent, of any Univ. in India constituted by an Act of Provincial or Central Legislature ; S.S.L.C. Examn. conducted by Madras S.S.L.C. Bd. ; Examn. for Indian Army Spec. Certif. of Educn. ; Indian Air Force Matricn. Test ; Higher Educn. Test of Royal Indian Navy ; Sr. Sch. Certif. Examn. of Govt. of Ceylon ; Sr. Cambridge Sch. Certif. Examn. ; High Sch. Examn. of Bd. of Sec. Educn., Madhya Bharat, Gwalior ; S.S.L.C. Examn. of Sec. Educn. Bd., Mysore ; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Rajputana ; Bombay Sec. Sch. Certif. Examn. of Sec. Sch. Certif. Examn. Bd. of Govt. of Bombay ; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Uttara Pradesh, Allahabad ; Vidya Vinodini Examn. with advanced English and Maths. of Prayag Mahila Vidyapitha, Allahabad.

LIBRARY. 6650 vols., 1250 periodicals, 1100 calendars, prospectuses, etc., of other Univs., 636 Palm-Leaf MSS.

DEGREES. 2 yrs.—B.A. (Pass), B.A. (Hons.), B.Sc. (Pass), B.Sc. (Hons.), B.Com. B.O.L. : no teaching provision made ; examn. open to eligible private candidates who are teachers. 5 yrs.—M.B., B.S. 2 yrs. postgraduate—LL.B., M.A., M.Sc. LL.M.—for private candidates only. Ph.D., D.Litt.—by thesis only.

DIPLOMAS. Dipl. in Education (1 yr.) ; Dipl. in Mod. European Langs. (French and German) (2 yrs.).

COLLEGE FEES. Per month : Inter. (Arts), Rs. 6 ; Inter. (Sci.), Inter. (Comm.), B.A. (Pass), B.A. (Hons.), Rs. 7 ; B.Sc. (Pass), B.Sc. (Hons.), B.Com., Rs. 8 ; M.A., M.Sc., M.B., B.S., LL.M., Rs. 10.

The usual LANGUAGE OF INSTRUCTION in Univ. courses is English.

VACATION COURSES. A Summer Vacation Course is under consideration.

SCHOLARSHIPS. *Lewis Scholp.* of Rs. 350 p.a., tenable for 2 yrs. in Ravenshaw Coll., is awarded to a graduate of the Univ. for postgraduate study in any Sci. subject. *Jagannath Scholps.*—2 Scholps. of Rs. 10 each p.m. are awarded for 2 yrs. in Ravenshaw Coll. to the best I.A. or I.Sc. passed Oriya student reading B.A. or B.Sc. but not holding any other Scholp. *Utkal Co-operative Cloth and Yarn Syndicate Scholps.*—2 scholps. of Rs. 25 each p.m., tenable for 2 yrs. in Ravenshaw Coll., are awarded, one to a student who is a permanent resident in Orissa and secures the highest marks at the B.A. Examn., and another to a student who is a permanent resident in Orissa and secures the highest marks at the B.Sc. Examn. There are certain other conditions. *Philip Memorial Scholp.*—Value Rs. 8 p.m., tenable for 2 yrs. in a coll. affiliated to the Univ. Awarded to a regular student who, having passed the Annual I.Sc. Examn., is admitted to the 3rd-yr. B.Sc. Class and can satisfy certain other conditions. *Endowment for Foreign Studies.* Rs. 12,000 have been donated as a Fund for giving interest-free loans to young men and women who wish to go abroad for higher studies.

UNIVERSITY PRESS. In 1949 the Maharaja of Mayurbhanj gifted the entire Mayurbhanj State Press and Press bldg. to the Univ. The Press is managed by a Cttee. constituted by the Syndicate and is now located at Cuttack.

RESIDENCE. There are 25 hostels, providing accomm. for 1859 men and 84 women. Fees vary according to hostel.

ATHLETIC FACILITIES. Inter-Collegiate games and sports are organized by a Cttee. apptd. by the Syndicate.

STUDENTS' INFORMATION BUREAU. Sec., S. Misra, M.A., Ph.D. Lond., Reader in Econ., Ravenshaw Coll.

N.C.C. 1st Orissa Battalion, National Cadet Corps, has 1 Sr. Div. for Colls. in Cuttack, and 9 Jr. Divs. for other Univ. Colls.

PUBLICATIONS. Examn. *Syllabuses* ; *Annual Reports*.

THE YEAR 1949-50

BENEFACTIONS. Foundation Fund, Rs. 3086-4-0 ; Endowment Fund, Rs. 50,282-6-0.

CHANGES IN REGULATIONS. English and Oriya prescribed as medium for papers in non-language subjects at Matricn. Examn. from 1952 ; candidates for Ph.D. allowed to do independent res. ; introduction of Geog. as Sci. subject at Inter. and degree stages ; Lab. Assts. in postgraduate colls. allowed to appear for M.Sc. Examn. as private candidates.

HONORARY DEGREES. *LL.D.*—Hon. Jawaharlal Nehru, Prime Minister of India ; Hon. Sardar Ballabhai Patel, Dep. Prime Minister of India ; Flt.-Lt. His Highness the Maharaja Sir P. C. Bhanj Deo, Pro-Chancellor. *D.Litt.*—Hon. Maulana Abul Kalam Azad, Minister of Education, Govt. of India ; Sahitya Samarat Kalaprapurna Maharaja Dr. Sree Sree Vikram Deb Verma, Maharaja of Jeypore. *D.Sc.*—Sir A. L. Mudaliar, Vice-Chancellor, Madras Univ. ; Pranakrishna Parija, Pro-Vice-Chancellor, Banaras Hindu University (*ex-Vice-Chancellor*, Utkal Univ.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	368	5597
Women	4	394
Total	372	5991

Included in the above are 126 postgraduate students and 2149 first-year admissions.

DEGREES. B.A. (Pass), 273 ; B.A. (Hons.), 104 ; B.O.L., 1 ; M.A., 18 ; B.Com., 19 ; LL.B., 79 ; M.B., B.S., 36 ; B.Sc. (Pass), 68 ; B.Sc. (Hons.), 46 ; M.Sc., 3.

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Pillai, S. C., Ph.D. Madr.

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The objects of the Institute are (i) to provide for advanced instruction and conduct original investigations in all branches of knowledge which are likely to promote the material and industrial welfare of India, (ii) to establish and maintain Chairs and Lectureships in Science, Arts, and Technol., (iii) to provide

suitable libraries, labs., and equipment, (iv) to co-operate as far as possible with such recognized institutions as exist or may be founded in future for cognate objects in India, and (v) to do all such things as are incidental, necessary, or conducive to the attainment of all or any of these objects.

LIBRARY. 43,523 vols.

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 res. elsewhere before or after the period spent at the Inst. *Fellowships* may be awarded to Associates who, having spent 5 yrs. in actual practice, produce satisfactory evidence of original and valuable res. 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. 252 Associateships, 7 Fellowships, 6 Hon. Fellowships, and 705 Certificates/Diplomas have been granted.

FEES. Rs. 144 per session for students admitted to Dipl. course. No fee is charged for students engaged in res. work.

The usual **LANGUAGE OF INSTRUCTION** is English.

RESIDENCE. Students must reside in the Hostel, which accommodates about 270 students and is attached to the Inst. Separate accomm. is provided for women students. A room rent of Rs. 12-8-0 p.m. per person for single rooms and Rs. 10 p.m. per person for double rooms is charged.*

INSTRUCTION IN FOREIGN LANGUAGES, ETC. Classes in French and German are held to assist students to acquire a working knowledge of these langs. and especially to enable them to read the technical lit. available in the library. Instruction in Economics and Social Sciences is also provided to help students to appreciate the modern trends in industrial econ.

The **BUREAU OF INDUSTRIAL AND STATISTICAL INFORMATION** which is attached to the Library collects and disseminates information of an industrial and statistical character to research workers of Insts. and industrial establishments in India.

RECREATION. A Gymkhana provides recreation and social amenities for students and staff. Attached thereto are the Ranade Reading Room and Library, a Gymnasium, and a Rifle Club. The Gymkhana also conducts musical and rhetoric socs. and publishes a *Magazine* twice a yr. There are also the Staff Common Room and the Tata Memorial Sports Club for the Inst. staff.

N.C.C. There is an Electrical and Mechanical Engineers Wing of the National Cadet Corps.

PUBLICATIONS. *Electrotechnics* (Electr. Engin. Soc.); *The Mechanical Engineer* (Mech. Engin. Soc.).

THE YEAR 1949-50

Students, full-time : 281, all graduates. Aeronautical Eng., 16 ; Biochem., 20 ; Chem. Technol. and Chem. Engin., 28 ; Electrical Communication Eng., 47 ; General Chem., 36 ; Internal Combustion Eng., 7 ; Metall., 26 ; Organ. Chem., 26 ; Phys., 11 ; Power Engin. and Electr. Technol., 64.

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and Hd. of Dept.

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Karunaratne, W. A. E., O.B.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. Reader.
Lecturers
Attygalle, Mrs. D., M.B., B.S. (on
leave).
Gunasekera, N. D., M.B., Ch.M.
Edin.
Tennakoon, G. E., L.M.S. (on
leave).
Chapman, T. E. D., M.B., B.S.
Yoganathan, Mrs. M., M.B., B.S.
Edirisinghe, F. V., M.B., B.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., L.M.S.
(on leave) Lectr.
Pinto, C. F. X. (Pharmacy)
Visiting Lectr.
Bibile, S. W., M.B., B.S. (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. (on leave) Lectr.
Jayasekera, H. T. W., M.B., B.S.
Demr.
Jansz, H. D. W., L.M.S. Lectr.
Arumugam, K., M.B., B.S. Demr.

Demel, Mrs. B. V., M.B., B.S.
Temp. Lectr.
Wijbsundera, S., B.Sc. Lond. and
Ceyl. (on leave) Asst. Lectr.

Public Health

Abhayaratne, O. E. R., Dr.P.H.
Harv., D.P.H. Edin., L.M.S.
Prof. and Hd. of Dept.

Surgery

Paul, M., M.S. Lond., F.R.C.S.
Prof. and Hd. of Dept.
Jayasuriya, J. H. F., L.M.S.,
F.R.C.S. (Systematic Lec-
tures, Tutorials, Ward Classes)
Visiting Lectr.
Rajasingham, A. S., L.M.S.,
F.R.C.S. (Ward Classes and
Tutorials) Visiting Lectr.
Sinnnetamby, G. S., L.M.S.,
F.R.C.S. (Ward Classes)
Visiting Lectr.
Anthonis, P. R., L.M.S., F.R.C.S.
(Ward Classes) Visiting Lectr.
Peiris, M. V. P., M.B., B.S. Lond.,
L.M.S., 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-Thera-
peutics) Visiting Lectr.
de Silva, L. M., D.T.M. & H., D.A.
(Anæsthetics) Visiting Lectr.
Lucas, A., D.T.M. & H., L.M.S.
(Anæsthetics) Visiting Lectr.
Balendra, W., L.D.S., L.M.S.
(Dental S.) Visiting Lectr.
Gunewardena, H. C. P., L.M.S.,
F.R.C.S. (Venereal Dis. and
Otol., Laryngol., Rhinol.)
Visiting Lectr.
Dadabhoy, J., D.O.M.S. Lond.,
L.M.S. (Ophthalmol.)
Visiting Lectr.
Bartholomeusz, L. N., L.M.S.,
F.R.C.S. (Clin. Instr., Sys-
tematic Lectures, Pre-Clin.
Classes, Ward Classes)
Visiting Lectr.

Austin, L. D. C., L.M.S., F.R.C.S. (Clin. Instr., Tu- torials, Pre-Clin. Classes) Visiting Lectr.	Gunawardine, D. F. de S., L.M.S., F.R.C.S. Eng. and Ed. (Clin. Instr., Ward Classes) Visiting Lectr.
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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.

The LANGUAGE OF INSTRUCTION in all Facs. is English, but courses in Sinhalese and in Tamil are given in those languages.

LIBRARIES. The main Library contains 80,000 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. G. P. Malalasekera; Arts, Prof. J. L. C. Rodrigo; 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. & H., 6 mos.

CERTIFICATES. Ceylon History, 1 yr.

FEES. There are no tuition, examination, or degree fees for citizens of Ceylon who are not repeating courses or examns. For others, the tuition fees

are: Arts, Rs. 150; Science, Rs. 225; Medicine, Rs. 525. Every student pays a registration fee of Rs. 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: Dr. M. B. Ariyapala), Rs. 197 per term; University Christian Hostel (Warden: Prof. C. J. Eliezer), Rs. 197 per term; Aquinas Hall (Catholic) (Warden: Rev. Father S. I. Pinto), Rs. 197 per term; Grasmere Hall (Warden: Prof. P. K. Chanmugam), Rs. 210 per term. For women: University Women's Hostel (Warden: Miss K. Mathiāparanam), Rs. 197 per term.

THE YEAR 1949-50

BENEFACTIONS. Mrs. E. A. Coorey, Rs. 30,000 for scholps. Children and grandchildren of Sir Christoffel and Lady Obeyesekere, Rs. 12,000 for scholps. Ceylon Turf Club, Rs. 15,000 for Fac. of Agric., bringing total to Rs. 76,000. Students of Prof. Leigh Smith, Rs. 6000 (and portrait) for prize.

NEW BUILDINGS. 2 Halls of Residence completed in Peradeniya. Arts Bldg. and 3 Halls of Residence nearing completion.

NEW DEPARTMENTS AND POSTS. Univ. agreed to take over from Govt. responsibility for Engin. degree teaching at Ceylon Technical Coll. in anticipation of erection of new bldgs. for a Fac. of Engin. in Peradeniya. Dept. of Electr. and Mech. Engin. created accordingly. Sinhalese Etymological Dictionary separated from Dept. of Sinhalese and converted into a new Dept. under a full-time Editor. Lectureship in Mahayana Buddhism created. Readerships in Hist., Law, and Pathol. Lectureships in Geog., Maths., Classics, Sinhalese, Tamil, Agric., Zool., Anat., Pharm., Pathol., and Physiol.

PRINCIPAL CHANGES IN ACTS AND REGULATIONS. Fees (for non-Ceylonese and repeated courses) revised. Fac. of Engin. and degrees in Engin. established. Pt.-time Dipl. Courses in Sinhalese and Tamil converted into full-time Certif. Courses. Admission rules to Med. Fac. modified to conform with changes in England.

ADULT EDUCATION WORK. Conference of teachers organized in Colombo and out-stations.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Sir Alexander Carr-Saunders (London School of Economics); Prof. E. H. Soward (British Columbia).

VISITS BY TEACHERS TO OTHER UNIVERSITIES. Vice-Chancellor as Visiting Professor at Australian National Univ., March-May 1950.

RESIGNATIONS. Prof. B. B. Das Gupta (apptd. to Central Bank of Ceylon); Dr. A. Imam (apptd. to Pakistan Foreign Service); Dr. P. H. Diananda (apptd. to Univ. of Malaya).

DEATHS. Dr. R. Marrs (first Principal of Ceylon Univ. Coll.); Sir Francis Soertsz (Prof. of Law).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	1655
Women	—	381
Total	—	2036

Included in the above are 30 postgraduate students and 419 first-year admissions.

DEGREES. B.Sc. Agr., 14 ; B.A., 172 ; M.A., 3 ; Ph.D., 1 ; LL.B., 4 ; M.B., B.S., 56 ; B.Sc., 52.

PAKISTAN

UNIVERSITY OF DACCA (p. 1241)
UNIVERSITY OF THE PANJAB (p. 1249)
UNIVERSITY OF PESHAWAR (p. 1257)
UNIVERSITY OF SIND (p. 1259)

THE UNIVERSITIES OF PAKISTAN

PAKISTAN came into existence on Aug. 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 five 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

* It is hoped to provide, in the next edition of the *Yearbook*, a full entry for the new University established at Karachi in 1950.

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. The Secretary of the Bd. is the Registrar, University of Peshawar, Peshawar University P.O., N.W.F.P., West 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 as 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.

EDUCATION DEPARTMENT, OFFICE OF THE HIGH COMMISSIONER FOR PAKISTAN, 39 Lowndes Square, London, S.W.1. Educational Attaché: A. F. M. K. Rahman, B.A., Ph.D. Lond.; Sr. Education Officer: S. B. Zaman, B.A.; Education Officers: L. Aird, B.A., G. M. Mumtaz, P. Rieger, B.Sc. Welfare Officer, Z. Hosain.

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

[Information compiled as at Aug. 1951;
Staff list revised in Jan. 1952.]

UNIVERSITY OF DACCA *

Founded 1921

Postal Address : Ramna, Dacca, East Bengal.

Telephone : (Registrar) 114 (Dac.).

VISITOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF EAST BENGAL.

VICE-CHANCELLOR—Lieut.-Col. S. M. HOSSAIN, M.A., LL.D., D.Phil.
Oxon.

TREASURER—SULTAN UDDIN AHMAD, M.A., B.L.

DEANS—*Arts*—I. H. ZUBERI, M.A. Oxon., Ph.D. Edin., F.R.S.L.;
Science—S. M. MITRA, D.Sc.; *Law*—GEORGE DAHM, LL.D. Heidel.;
Medicine—Col. M. K. AFRIDI, M.D., Ch.B. St. And., D.T.M. & H.
Lond.; *Engineering*—T. H. MATTHEWMAN, M.Eng. Liv.; *Agriculture*
—F. AHMAD, M.A.

REGISTRAR—A. HADY TALUKDAR, M.A. Lond. and Dacca.

PROVOSTS—Salimullah Muslim Hall—M. O. GHANI, M.Sc., Ph.D.;
Dacca and Jagannath Hall—P. C. CHAKRABARTY, M.A., Ph.D.
Lond.; Fazlul Huq Muslim Hall—M. N. HUDA, M.A., Ph.D. Corn.

INSPECTOR OF COLLEGES—A. RAHIM, M.A. Cal., B.T. Dac., Dip. in
Edn. Leeds and Berl.

CONTROLLER OF EXAMINATIONS—A. RUB CHOUDHURY, M.A.

LIBRARIAN—FAZAL ELAHI, M.A., Dip.Lib. Lond., F.L.A.

TEACHING STAFF

Arabic and Islamic Studies

Haque, S., M.A., Ph.D. Lond.

..... Prof.
Reader.

Lecturers

Aziz, A., M.A.

Subhan, A., M.A., B.Litt. Oxon.

Rahim, S. A., M.A., B.L., B.T.

Ishaque, M., M.A., Ph.D.

Rahman, K. M. A., M.A., B.T.

Hasan, S., M.A. (on leave).

Mohiyyuddin, A. H. M.

Temp. Lectr.

Sadeque, S. F., M.A., Ph.D.

Temp. Lectr.

Hossain, S. U. M. V. Maulana.

Bengali and Sanskrit

..... Prof.
Basu, G. C., M.A.

Temp. Reader and Hd.
of Dept.

Shahidullah, M., M.A., B.L., D.Lit.
Paris Supern. Teacher.

Lecturers

Hai, M. A., M.A. (on leave).

Muhammad, K. D., M.A.

Temp. Lectr.

Pal, H. N., M.A.

Ali Ahsan, S. A. H., M.A.

Banerjee, S. C., M.A.

Pt.-time Lectr.

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

Chakraborty, A. C., M.A. (Sansk.)
Pt.-time Lectr.

1 Res. Asst.

Biology

Majumdar, G. P., M.Sc., Ph.D.
Leeds (Bot.) Prof.

Ahmad, M., M.Sc., Ph.D. Camb.
Reader.

Lecturers

Yousefzai, H. K., M.Sc., D.Phil.
(on leave).

Islam, A. S., M.Sc.

Badiuzzaman, M.Sc. (on leave).

Huq, A., M.Sc. (on leave).

Ahmad, K. A., M.Sc.

Shafiq, S. A., M.Sc. (on leave).

Ali, S. B., M.Sc., Dipl. in Syst. Bot.
and Taxon.

Khan, M. S., M.Sc.

Serajuddin, M., M.Sc.

Kamal, M., M.Sc.

Khan, S. A., M.Sc.

1 Res. Asst., 1 Lab. Asst.

Chemistry

Zernike, J., D.Sc. Amst. Prof.
Readers

Khandkar, M. H., Ph.D. Lond.,
M.Sc.

Ahmad, K., Ph.D. Wisc., M.Sc.

Ahmad, M., Ph.D. Penn., M.Sc.

Rahman, M. B., Ph.D., M.Sc.

Lecturers

Sarma, J. C., M.Sc.

Banerjee, P. C., M.Sc., Ph.D.

De, S. C., D.Sc.

Bhuyan, A. M., M.Sc.

Bhuyan, A. S. M. N. H., M.Sc. (on
leave).

Rahman, A., M.Sc. Temp. Lectr.

Huq, A. K. M. S., M.Sc.

Ghosh, A. R., M.Sc.

Latif, K. A., M.Sc. (on leave).

Ahsan, A. M., M.Sc.

Nowab, A., M.Sc.

Hyder, S. Z., M.Sc.

Rahman, H., M.Sc.

1 Lab. Asst.

Commerce

..... Prof.
Hossain, A. F. A., M.Sc. Lond.
Reader and Actg. Hd. of
Dept.

Lecturers

Safiullah, M., M.A. (on leave).

Hasnat, A., M.A. Temp. Lectr.

Siddiqui, M. R., M.A. (on leave).

Ahmed, S., M.A. Temp. Lectr.

Khan, M. A., M.A., M.Com.

Khan, M., M.A.

Hossain, H., M.A.

Khandkan, R. H., M.A.

Part-time Lecturers

Roy, A. C.

Mostafa, A. T. M., M.A.

Rahman, H., M.A.

Banerjee, K. P., M.A.

Economics

..... Prof.
Ayyar, S. V., M.A.
Temp. Reader and Hd. of
Dept.

Hossain, A. F. A., M.Sc. Lond.

Reader.

Huda, M. N., M.A., Ph.D. Corn.
Reader.

Lecturers

Huq, M., M.A. (on leave).

Rahman, A., M.A. Temp. Lectr.

Haque, T., M.A., M.Sc. Lond.

Mahmud, A. N. M., M.A.

Hussain, M., M.A. (on leave).

Khondkar, M. A. H., M.A.

Temp. Lectr.

Karim, E., M.A.

Ahmed, R., M.A. Pt.-time Lectr.

Uzain, M., M.A.

Hossain, M., M.A.

Muhinddin, M., M.A.

English

Zuberi, I. H., M.A. Oxon., Ph.D.
Edin., F.R.S.L. Prof.

Turner, J. S., M.A. Oxon. Reader.

Lecturers

Thakurta, J. G., M.A.

Ashraf, A. N. M. A., M.A. (on leave).

Gomes, R. A., M.A.

Hossain, S. S. (on leave).

Choudhury, A. N. M. M.

Temp. Lectr.

Chakraborty, A. B., M.A.

Khan, S. M., M.A.

Huq, A. K. A., M.A.

Noman, M., M.A.

Geography

Ahmad, N., M.A. (on leave)

Reader.

Rizvi, A. I. H., M.A. Lectr.

Patel, A. M., M.A. Lond. Lectr.

Geology

Ghani, M. O., M.Sc., Ph.D.

Reader in charge of Dept.

Latif, M. A., M.Sc. Lectr.

Hasan, S. M., M.Sc. Lectr.

History

Halim, A., M.A., Ph.D. Prof.

Readers

Chakrabarty, P. C., M.A., Ph.D. Lond.

Dani, A. H., M.A.

Lecturers

Sayed, A. F. M., M.A.

Bhattacharjee, S. C., M.A.

Kabir, M., M.A.

Rahim, A., M.A. Temp. Lectr.

Rahman, W., M.A.

Karim, A., M.A.

International Relations

Allsof, Miss M., B.Com., M.Sc. Lond. Reader.

Lecturers

Aziz, M. A., M.A.

Ahmed, M., M.A.

Choudhury, G. W., M.A.

Liu, Y. H. (Chinese).

Islamic History and Culture

Prof.

Habibullah, A. B. M., M.A., Ph.D. Lond.

Reader and Hd. of Dept.

Lecturers

Khan, A. M., M.A.

Imamuddin, S. M., M.A.

Islam, S., M.A.

Rahman, S., M.A. Pt.-time Lectr.

Law

Dahm, G., LL.D. Heidel. Sr. Prof.

Siddiqui, N. U. A., M.A., B.C.L.

Oxon., LL.D. Glas. Prof.

Reader.

Lecturers

Momen, M. N., B.L.

Sarkar, U. C., M.L.

Part-time Lecturers

Baquer, A. K. M., B.A. Cal., M.A.

Alig., LL.B. Lond.

Siddiky, B. A., LL.B.

De, B. K., M.A., B.L. Cal.

Munim, F. K. M. A., M.A., LL.B.

Mathematics

Pinl, M., Dr.Phil. Vienna, Dr. rer. nat. Prague Prof.

Huq, S. M. A., M.Sc., Ph.D. Lond.

Reader.

Lecturers

Jabbar, A., M.Sc. Pt.-time Lectr.

Khalifa, A. R., M.Sc.

Dutta, H. N., M.Sc.

Supern. Lectr.

Sardar, R. A., M.Sc.

Huq, M. S., M.Sc.

Persian and Urdu

Shadani, W. H. A., M.A., Ph.D.

Lond. Prof.

Furuqi, T., M.A. Reader.

Lecturers

Fauq, M. H. Q., M.A.

Temp. Lectr.

Azad, S. M. Z. H., B.A.

Huda, M. Z., M.A.

Chaudhury, F. A., M.A.

Siddiqui, A. A., M.A., Ph.D.

Subzwari, S. S., M.A.

Ahmad, M., M.A.

Qadri, Z. M. Y. A., M.A.

Naqvi, S. M., M.A.

Zafary, S. A., M.A.
 Hasan, S. N., M.A.
 Ishaq, M., M.A.

Philosophy

Jilani, G., M.A., Ph.D. Lond.
 Prof.

Lecturers

Bhattacharyya, B. N., M.A., Ph.D.
 Zaidi, S. M. H., M.A.

Temp. Lectr.

Ahmad, K., M.A.
 Khanom, Mrs. H. Pt.-time Lectr.

Physics

..... Prof.

Readers

Chaudhury, A. M., M.Sc., Ph.D.,
 F.R.Met.S.

Mitra, S. M., D.Sc.
 Actg. Hd. of Dept.

Ali, I., M.Sc. N.Y.

Lecturers

Mukherjee, S. S., M.Sc.
 Mukherjee, S. K., M.Sc.
 Biswas, S. C., M.Sc.
 Karim, M., M.Sc., Ph.D. Alig.
 Sirkar, M. R., M.Sc.
 Qasim, M. A., M.Sc.
 Choudhury, K. D., M.Sc.
 Erteza, A., M.Sc. (on leave).
 Emran, M. Temp. Lectr.
 Siddiqui, A. K. M., M.Sc.

Physiology

Lecturers

Mitra, S. K., B.Sc., M.B. Cal.,
 D.T.M. & H., D.P.H. Lond.

Jabbar, A., M.Sc.
 Chakravorty, N. C., M.B.

Political Science

Newman, K. J., LL.D., D.Phil.
 Oxon. Prof.

Lecturers

Razzaq, A., M.A.
 Rahman, M., M.A.
 Hakim, M.-ul, M.A.
 Pt.-time Lectr.

Karim, N., M.A.
 Choudhury, M. A., M.A.
 Miah, N. M., M.A.
 Maquesned Ali, S. M., M.A.
 Greenhill, Mrs. G., B.A. Lond.
 Pt.-time Lectr.

Soil Science

Ghani, M. O., M.Sc., Ph.D. Lond.
 Prof.

..... Agric. Chemist.

Lecturers

Zoha, S. M. S., M.Sc. Alig., M.Sc.
 (Tech.) Manc.
 Karim, A., M.Sc., Ph.D. Adel.
 Huq, A. K. F., M.Sc.
 Karim, A. Q. M. B., M.Sc., Ph.D.
 Lond.
 Hasan, N. A.
 2 Demrs.

Statistics

Hussain, Q. M., M.A. Cal., Ph.D.
 Reader.

Lecturers

Maswood Ali, M., M.Sc.
 Maniruzzaman, A. N. M., M.Sc.
 Atiqullah, M., M.A.
 Obaidullah, M., M.Sc.

ADMINISTRATIVE AND OTHER STAFF

Medical Officer, S. K. Mitra, M.B. ; Asst. Medical Officer, Capt. S. Ahmad, M.B. ; Asst. Registrar, K. C. Chowdhury, B.A. ; Asst. Controller of Examns., ; Sec. to Vice-Chancellor, A. N. M. Ali Hasan, Ph.D. Lond. ; Chief Accountant, K. C. Karmakar, B.A. ; Physical Dir., Capt. M. Rahman, B.A. ; Physical Instrs. : M. Ahmed, B.A., M. B. Hossain Khan. Steward, M. Dabiruddin Meah.

CONSTITUENT COLLEGES

- DACCA, *Ahsanullah Engineering College*, Ramna. B.E.
 DACCA, *Dacca Medical College*, Ramna. M.B., B.S.
 DACCA, *East Bengal Agricultural Institute*, Tejgaon. B.Ag.
 DACCA, *Teachers Training College*, Armanitola. B.T.
 MYMENSINGH, *Primary Teachers Training College*. B.T.

AFFILIATED COLLEGES

[I.A., I.Sc., I.Com., I.I.S., B.A., B.Sc., B.Com., etc. = affiliated up to Intermediate Arts, Science, Commerce, Islamic Studies, Bachelor's degree in Arts, Science, Commerce, etc., standard.]

- BAKARGANJ (CHAKHAR), *Fazlul Huq College*. B.A., I.A., I.Sc.
 BARISAL, *Brajamohan College*. B.A., B.Sc., I.A., I.Sc.
 BARISAL, *Latif Islamic Intermediate College*. I.A., I.Sc.
 BOGRA, *Azizul Huq College*. B.A., I.A., I.Sc.
 CHITTAGONG, *Chittagong College*. B.A., B.Sc., I.A., I.Sc.
 CHITTAGONG, *Chittagong Islamic Intermediate College*. I.A., I.Sc.
 CHITTAGONG, *Government College of Commerce*. B.Com., I.Com.
 CHITTAGONG (KANUNGO PARA), *Sir Asutosh College*. B.A., I.A., I.Sc.
 CHITTAGONG (NAZIRHAT), *Nazirhat College*. I.A.
 DACCA, *Dacca College*. B.A., I.A., I.Sc., I.Com.
 DACCA, *Dacca Islamic Intermediate College*. I.A., I.I.S.
 DACCA, *Eden College*. B.A., I.A.
 DACCA, *Imperial Salimullah Intermediate College*. I.A., I.Com.
 DACCA, *Jagannath College*. B.A., B.Com., I.A., I.Sc., I.Com.
 DACCA, *Quaid-E-Azam College*. I.A., I.Com.
 DACCA, *St. Gregory's College*. I.A., I.Com.
 DACCA (MANIKGANJ), *Devendra College*. B.A., I.A.
 DACCA (MUNSHIGANJ), *Haraganga College*. B.A., B.Com., I.A., I.Sc.
 DACCA (NARAYANGANJ), *Seth Tolaram Girls' College*. I.A., I.Com.
 DACCA (TEJGAON), *Holy Cross College*. I.A.
 DINAJPUR, *Surendranath College*. B.A., I.A., I.Sc.
 FARIDPUR, *Rajendra College*. B.A., I.A., I.Sc.
 FARIDPUR (MADARIPUR), *Sir Nazimuddin College*. I.A.
 FARIDPUR (RAMDIA), *Sri Krishna College*. I.A., I.Sc.
 JESSORE, *Jessore Michael Madhusudan College*. B.A., I.A.
 JESSORE (MAGURA), *Shaheed Suhrawardy Islamic Intermediate College*. I.A.
 JESSORE (NARAIL), *Victoria College*. I.A., I.Sc.
 KHULNA, *Rajendra Kumar Girls' College*. I.A.
 KHULNA (BAGERHAT), *Praphulla Chandra College*. B.A., I.A., I.Sc.
 KHULNA (DAULATPUR), *Braja Lal Hindu Academy*. B.A., B.Sc., I.A., I.Sc.
 KHULNA (SATKHIRA), *Satkhira College*. B.A., I.A., I.Sc.
 KUSHTIA, *Kushtia College*. B.A., I.A., I.Sc., I.Com.
 MYMENSINGH, *Annanda Mohan College*. B.A., B.Sc., I.A., I.Sc.
 MYMENSINGH, *Bhuapur College*. I.A.

- MYMENSINGH, *Dhanbari College*. I.A.
 MYMENSINGH, *Nasirabad Islamic Intermediate College*. I.A.
 MYMENSINGH (BHAIRAB), *Haji Asmat College*. I.A.
 MYMENSINGH (GAFFURGAON), *Gaffurgaon College*. I.A.
 MYMENSINGH (JAMALPUR), *Asheq Mahmud College*. B.A., I.A., I.Com.
 MYMENSINGH (KARATIA), *Saadat College*. B.A., I.A., I.Sc.
 MYMENSINGH (KISHOREGANJ), *Gurudayal College*. B.A., I.A., I.Sc.
 MYMENSINGH (TANGAIL), *Kumudini College*. B.A., I.A.
 NOAKHALI, *Chaumohini College*. B.A., I.A.
 NOAKHALI, *Feni College*. B.A., I.A., I.Sc.
 PABNA, *Edward College*. B.A., B.Sc., I.A., I.Sc.
 RAJSHAHI, *Rajshahi College*. B.A., B.Sc., I.A., I.Sc., I.Com.
 RAJSHAHI (MANAKASHA), *Fazlul Huq Adina College*. I.A.
 RAJSHAHI (NAOGONG), *Basiruddin Memorial Co-operative Islamic College*. I.A.
 RANGPUR, *Gaibandha College*. I.A.
 RANGPUR (ALAMNAGAR), *Carmichael College*. B.A., B.Sc., I.A., I.Sc.
 SERAJGANJ, *Islamic Intermediate College*. I.A., I.I.S.
 SERAJGANJ, *Serajganj College*. B.A., I.A.
 SYLHET, *Madan Mohan College*. B.A., I.A.
 SYLHET, *Murarichand College*. B.A., B.Sc., I.A., I.Sc., I.Com.
 SYLHET, *Women's College*. B.A., I.A.
 SYLHET (HABIGANJ), *Brindaban College*. B.A., I.A.
 SYLHET (SUNAMGANJ), *Sunamganj College*. I.A., I.Sc.
 TIPPERAH, *Brahmanbaria College*. I.A., I.Com.
 TIPPERAH, *Chandpur College*. I.A.
 TIPPERAH, *Comilla Victoria College*. B.A., B.Sc., I.A., I.Sc.
 TIPPERAH, *Srikail College*. B.A., I.A., I.Sc.
 TIPPERAH (PASCHIMGAON), *Nawab Faizunessa Islamic Intermediate College*. I.A. and I.I.S.

GENERAL INFORMATION

The University was established in 1921 under the Govt. of India Act XVIII of 1920, which was based on the recommendations of the Calcutta Univ. Commission presided over by Sir Michael Sadler, and provides for the constitution of Facs. of Arts, Sci., Law, Agric., Med., and Engin. It was established as a unitary, teaching, and residential Univ. with a constitution similar in many respects to that of modern English Univs. Following the creation in 1947 of the province of East Bengal as part of Pakistan, the East Bengal Educational Ordinance, 1947, was promulgated, by which the Univ., without prejudice to its original character as a teaching and residential Univ., is entrusted with sole authority to recognize and affiliate all educnl. institutions in E. Bengal above Matricn. and High Madrassa standard. Accordingly, in 1947, the Univ. affiliated 55 first and second grade Colls. spread over the whole of E. Bengal, as well as several other institutions. The number has since increased to 62 and is still increasing. It is proposed to set up two more Univs. in E. Bengal, one at Rajshahi and one at Chittagong, which will take over the affiliation and

control of all Colls. in East Bengal. The Univ. of Dacca will then revert to its original character as a unitary, teaching, and residential Univ.

The Univ. area covers about a square mile of fine parkland, including over 100 acres of playing fields, and lies about 1 mile N.W. of the centre of Dacca City.

The authorities of the Univ. include the Court, the Executive Council, the Academic Council and the Faculties.

RESIDENCE. Students reading in the Univ. itself must live either in one of the Halls of Residence or under specially approved conditions. Halls for Muslims: Salimullah Muslim Hall (accomm. for 400 students), Fazlul Huq Muslim Hall (250); for non-Muslims, Dacca Hall (160), Jagannath Hall (partially in use by Govt.; students transferred to Dacca Hall). Women Students' Residence (25). Addl. temp. Residence (500). Iqbal Hall, a new student residence, will be opened shortly.

Some Univ. teachers live in houses within the Univ. area.

The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES, ETC. Univ. Library: over 103,315 vols. and about 27,000 Sanskrit, Bengali, Arabic, Urdu, and Punthi MSS. Reading Room. Separate Sci. Library. Each Hall of Residence has a library.

LABORATORIES. Physical; Chem.; Psychol.; Biol.; Soil Sci.

FACULTIES. Arts, Science, Law, Agric., Med., Engin. For Deans, v. *supra*.

ADMISSION. Minimum standard required for entry to degree courses is that of the Univ. Inter. examn. or equivalent.

DEGREES. B.A. or B.Sc. ord., 2 yrs., with Hons., 3 yrs.; M.A., M.Sc., 2 yrs., or for Dacca Hons. B.A. or B.Sc., 1 yr.; B.T., 1 yr.; M.T., 3 yrs.; B.Com., 2 yrs.; LL.B., 3 yrs. (all M.A. and Dacca Hons., B.A., 2 yrs.); LL.M., 3 yrs. Ph.D., D.Litt., D.Sc., LL.D. open to graduates of 3 yrs.' standing, but graduates of other Univs. must pursue res. in this Univ. for 2 yrs.

SCHOLARSHIPS FOR 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 examn. fees, of which one is for depressed classes and one for women students, 3 of Rs. 30 each p.m. for scheduled caste (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). Res. studentships: 10 of Rs. 100 each p.m. In addition, a large number of stipends are annually awarded by the Govt. The Educational Directorate of the Govt. of East Bengal awards a number of scholps. from Rs. 10 p.m. to Rs. 25 p.m. plus free tuition, on the results of the Univ. Inter. examns., tenable at any affiliated Coll. or this Univ.

PHYSICAL EDUCATION. After examn. by the med. officer, each student must undergo regular courses of phys. educn. in the well-equipped gymnasium. Coaching is also given in various sports. Staff: Dir. of Phys. Educn., 2 Phys. instrs.

STUDENT HEALTH SERVICE. Each student admitted to the Univ. for the first time is medically examined. All students receive free medical attention. Resident students also receive medical care in the Halls. There is one Medical Officer and one Asst. Medical Officer.

The STUDENTS' INFORMATION BUREAU assists students to secure admission to foreign Univs. and other insts. The Bureau Library contains up-to-date calendars, handbooks, pamphlets, and prospectuses of foreign educational and technical insts. for reference by students.

FEES. Tuition, per session : Adib, Adib-i-Kamil, Rs. 84 ; B.A. (Pass) and B.Com., Rs. 120 ; B.A. Hons., B.Sc. (Pass), and LL.B., Rs. 120 ; M.A., B.Sc. Hons., and M.Com., Rs. 144 ; M.Sc., Rs. 180. Registration, Rs. 4 ; Admission, Rs. 8 ; Athletic, Rs. 5 ; Students' Union, Rs. 3-8 ; Registration Fee for Res. students, Rs. 10 ; Enrolment of Registered Graduates, Rs. 5 ; Enrolment of Registered Graduates for Life, Rs. 25. Hostels : Seat-rent varies from Rs. 2 to Rs. 4 p.m., including cost of light, water, medical attendance, medicine, and servants. Cost of food about Rs. 30 p.m.

UNIV. OFFICERS' TRAINING CORPS. Strength is one battalion, commanded by Capt. T. Haque, M.A., Lectr. in Econ. (on study leave). Actg. C.O., Capt. M. Rahman, B.A., Univ. Physical Dir. Adjutant, R. M. Mustafa Khan.

TUTORIAL CLASSES are organized in all Depts. and all Univ. teachers participate under the control of the Hds. of Depts. and Provosts.

PUBLICATIONS. *Prospectus* (Dec.) ; *Annual Report* (Nov.) ; *Bulletins* ; *Calendar* ; *Dacca University Studies* (twice p.a.).

UNIVERSITY PRESS. In addition to the ordinary printing work of the Univ., the Press undertakes, under the direction of the Bulletin Committee, the publication of theses and other original work of the teaching staff and research students.

THE YEAR 1949-50

NEW DEPARTMENTS, ETC. New Dept. of Statistics. New Courses : Post-graduate Course in Soil Sci. ; B.A. Hons. in Urdu.

VISITS TO OTHER UNIVERSITIES. The Vice-Chancellor, the representative of Pakistan on the Executive Council of the Association of Universities of the British Commonwealth, represented the Dominion at the Conference of Executive Hds. of Commonwealth Univs. held at Wairakei, New Zealand. He also visited Univs. and Univ. Colls. in Australia and New Zealand.

RESIGNATIONS. 17 teachers and some members of the clerical staff (mostly Hindus) resigned and left the Univ. as a result of the communal disturbances in both Bengals.

DEATH. S. M. Qayyum Ha'srat Nomani (Persian and Urdu).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	25,268
Women	—	485
Total	—	25,753

Reading in Univ. : 2204 M., 53 W. ; in Constituent Colls., 1033 M., 28 W. ; in Affiliated Colls., 22,031 M., 404 W.

DEGREES. B.Sc. (Ag.), 34 ; B.A. (Hons.), 60 ; B.A. (Pass), 528 ; B.Com., 116 ; B.T., 74 ; M.A., 120 ; B.Sc. (Eng.), Pt. I, 28 ; LL.B. (Final), 27 ; M.B., B.S., 8 ; B.Sc. (Hons.), 15 ; B.Sc. (Pass), 136 ; M.Sc., 34 ; Ph.D., 2 ; D.Sc., 1.

DIPLOMAS AND CERTIFICATES. Book-keeping and Accountancy, 5 ; Engin. Dipl. (Final), 29 ; Sub-Overseer, 17 ; Survey Final, 13 ; Veterinary Examns., 43.

THE UNIVERSITY OF THE PANJAB*

LAHORE

Founded 1882

Postal Address : Lahore, Pakistan.

Cables : University Lahore.

Telephone : (Registrar) 3747.

PATRON—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF THE PUNJAB.

VICE-CHANCELLOR—The Hon. Mr. Justice S. A. RAHMAN, M.A., LL.D.

DEAN OF UNIVERSITY INSTRUCTION—BASHIR AHMAD, M.Sc., Ph.D.
Lond.

REGISTRAR—M. BASHIR, B.Sc. Edin.

TEACHING STAFF

[(U.)=maintained entirely by the Univ.; (G.C.)=Government College;
(F.C.C.)=Forman Christian College; (I.C.)=Islamia College; (D.S.C.)=
Dyal Singh College; (T.I.C.)=Talim ul Islam College; (L.W.C.)=Lahore
College for Women; (Eng. C.)=Punjab College of Engineering and Tech-
nology.]

Arabic

Koreshi, B. A., M.A. Berl., Ph.D.
Hon. Hd. of Dept.

Lecturers

Al-Arabi, M. (U.).
Khan, R. (U.).
Qayyum, A., M.A. (G.C.).

Arts and Crafts

Ahmad, Mrs. A. M. Hd. of Dept.
Afzal, Mrs. A., B.A., D.F.A.
Lectr. (U.).
Malik, Mrs. Z., B.A., D.F.A.
Lectr. (U.).
Feroz-ud-Din, R., B.A., D.F.A.
Demr.

Astronomy

Zia-ud-Din, M.A., Ph.D. Wales,
F.S.S.

Curator and Hd. of Dept.

Anwer, M., M.Sc. Lectr. (U.).

Botany

Lodhi, S. A., M.Sc. Corn.
Sr. Lectr. and Hd. of
Dept.

Lecturers

Hamid, A., M.Sc. (U.).
Salim, M., M.Sc. (U.).
Ikran-ul-Hassan, M.Sc. (U.).
Ahmad, Z., M.Sc. (U.).
Qureshi, A. A., M.Sc., Ph.D. (G.C.).
Ahmad, S., M.Sc., Ph.D. (G.C.).
Muhammad Aslam, M., M.Sc.
(G.C.).

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

Chemical Technology

Ahmad, N., D.Sc. Munich
 Dir. of Inst.
 Salah-ud-Din, K., M.Sc.
 Sr. Lectr. (U.).

Lecturers

Qureshi, A. K., M.Sc. (U.).
 Riaz Ali, S., M.Sc. (U.).
 Rashid, A. A., M.Sc. (U.).
 Zafrullah, M., M.Sc. (U.).

Chemistry

Ahmad, B., M.Sc., Ph.D. Lond.
 Dir. of Dept.
 ud-Din, B., M.Sc., Ph.D. (Gen.
 and Analyt. C.) Reader.

Senior Lecturers

Kamal, A., M.Sc., Ph.D. (U.).
 Chughatai, I-u-D., M.Sc., Ph.D. (U.).
 Chughtai, S-u-D., M.Sc., Ph.D. (U.).

Lecturers

Warsi, Y-u-D., M.Sc. (U.).
 Khan, M. A., M.Sc. (U.).
 Zahid, M. S., M.Sc. (U.).
 Kazmi, H. A., M.Sc. (U.).

Economics

Akhtar, S. M., M.A., Ph.D. (Econ.)
 Reader and Hd. of Dept.
 Aurakzai, A. A. K., M.A.
 Lectr. (U.).

Munir Hussain, S., M.A.
 Lectr. (U.).
 Thompson, C., M.A., Ph.D.
 Prof. (F.C.C.).
 Rashid, M., M.A. Lectr. (G.C.).
 Anwar, S. M., M.A. Lectr. (G.C.).

French

.....
 Lucena, J. S. Temp.

Geography

Ahmad, K. S-u-D., M.A., Ph.D.
 Lond.
 Reader and Hd. of Dept.
 (U.).

Lecturers

Kureshi, K. U., M.A. (U.).
 Omar, A. T., M.A. (U.).
 Khan, F-u-R., M.A. (U.).
 Haye, A., M.A. (I.C.).
 Ahmad Shaikh, A. (G.C.).
 Khan, F. U. (G.C.).
 Kureshi, Miss M. (L.W.C.).

Geology

Saeeduddin Ahmad, K., M.A.,
 Ph.D. Lond. Hd. of Dept.
 Israrullah, M.Sc. Alig. Sr. Lectr.

German

..... Lectr. (U.).

History

Hussain, D., M.A. Camb.
 Hon. Hd. of Dept.

Lecturers

Islam, R., M.A., Ph.D. Alig. (U.).
 Wilson, R., M.A. (F.C.C.).
 Khan, N., M.A. Lond. (G.C.).
 Ali, S., M.A. (Hist.), M.A. (Pol. Sc.)
 (G.C.).
 Qadir, A. b. A., M.A. (T.I.C.).
 Zaidi, Z. H., M.A., LL.B. Alig.
 (F.C.C.).

Islamiyyat

Siddiqui, A-u-D., M.A.
 Hd. of Dept.

Journalism

Qayyum, A., M.A. Hd. of Dept.
 Ahmad Khan, M. Lectr. (U.).
 Lewis, S. R. Lectr. (U.).

Mathematics

Abdussalam, M., M.A. Camb.
 Hd. of Dept.

Lecturers

Nasir, A. R., M.A. (Eng. C.).
 Chawla, L. M., M.A. (G.C.).
 Qureshi, T. A., M.A. (G.C.).
 Roomani, F. D. A., M.A. (D.S.C.).
 Yasin, M., M.A. (G.C.).
 Nasir-ud-Din, M.A. (I.C.).
 Safdar, M., M.A. (T.I.C.).

Maqbool, M., M.A. (T.I.C.).
Iqbal, M. A. (F.C.C.).

Persian

Baqir, M., M.A., Ph.D. Lond.
Reader and Hd. of Dept.
Abdullah, S. M., M.A., M.O.L.,
D.Litt. Reader (U.).

Lecturers

Abid Ali Abid, S., M.A., LL.B.
(D.S.C.).
Tabussum, G. M., M.A., B.T.
(G.C.).
Salik, I.-u.-D., M.A., M.O.L.
(I.C.).

Pharmacy

Hanna, N. R., D. ès. Sc. Paris
Hd. of Dept. (U.).
Salahuddin, M.Sc. Lectr. (U.).

Physical Training

Khan, T. A., B.A. Dir.
Dar, A. M. Asst. Dir.
Birlas, Mrs. A. A. B., B.A., D.P.E.
Lond. Directress.

Physics

Majid, M. A., M.Sc. Alig., Ph.D.
Lond. Hd. of Dept.
Pal, A. B., M.Sc., Ph.D.
Reader (U.).
Chowdhry, A. G., M.S.
Sr. Lectr. (U.).

Lecturers

Hasan, A.-u.-D., M.Sc. (U.).
Beg, A. H., M.Sc. (I.C.).
Benade, J. M., M.A. Princet.
(F.C.C.).
Martin, J. (F.C.C.).

Political Science

Friters, G. M., D. ès. Sc. Pol.
Geneva (Pol. Sci. and Inter-
natnl. Affairs)
Prof., Hd. of Dept. (U.).
Ahmad, M. A., M.A., LL.B., Ph.D.
Alig. Sr. Lectr.

Lecturers

Ahmad, J.-ul-D., B.A. Delhi, M.A.
(U.).
Hamid, A., M.A. (G.C.).
Ullah, I., M.A., Ph.D. (G.C.).

Spanish

Lucena, J. S.
Reader and Hd. of Dept.

Statistics

Ahmad, Z.-u.-D., M.A., Ph.D.
Wales, F.S.S.
Reader and Hd. of Dept.
Muhammad, A., M.A.
Lectr. (F.C.C.).

Urdu

Abdullah, S. M., M.A., M.O.L.,
D.Litt.
Reader and Hd. of Dept.
Siddiqi, A. L., M.A., Ph.D.

Sr. Lectr. (U.).
Brelvi, E., M.A., Ph.D.

Sr. Lectr. (U.).
Azim, V., M.A. Lectr. (U.).
Ansari, M. A., M.A. Lectr. (U.).

Zoology

Bhatty, H. K., M.Sc., Ph.D. Camb.
Reader and Hd. of Dept.
Sharif, M., D.Sc. Panj., Ph.D.
Camb. Prof. (G.C.).

Senior Lecturers

Ahmad, M., M.Sc. Alig., Ph.D.
Chic. (U.).
Sarwar, S., M.Sc. (G.C.).
Ahmad, S., M.Sc. (G.C.).
Lecturers
Bakr, A., M.Sc. (U.).
Ahsan-ul-Islam, M.Sc. (U.).

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ADMINISTRATIVE AND OTHER STAFF

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UNIVERSITY COLLEGES

LAHORE, *Hailey College of Commerce*. Principal—Shaikh Atta Ullah. Courses up to M.Com.

LAHORE, *Law College*. Principal—A. Q. Malik, B.A. Courses up to I.L.M.

LAHORE, *Oriental College*. Principal and Prof. in *Arabic*—B. A. Qureshi. M.A. courses in Arabic, M.O.L. in all subjects, Proficiency and High Proficiency Classes in Arabic, Persian, and Urdu, res. facilities for Ph.D.

TEACHING COLLEGES IN LAHORE AFFILIATED TO THE UNIVERSITY, MAINTAINED BY THE GOVERNMENT OF THE PANJAB

Dentistry

LAHORE, *de Montmorency College of Dentistry (Govt.)*. B.D.S. Principal—Abdul Haq, M.B., B.S., B.D.S.

Engineering

LAHORE, *Punjab College of Engineering and Technology*. B.Sc. Eng. (Civil, Mech., and Elect.). Principal—D. A. Howell.

Medicine and Surgery

LAHORE, *K.E. Medical College*. M.Sc.—Physiol., M.B., B.S., M.D., M.S., D.L.O. Principal—Lt.-Col. Ellahi Bakhsh, M.B., M.Ch., F.R.C.S.Ed.

LAHORE, *Fatimah Jinnah Medical College for Women*. 2nd Prof. M.B., B.S. Principal—Dr. Shujaat Ali, M.D.

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—Saeeda Begum, M.A., B.T.

Veterinary Science

LAHORE, *Punjab Veterinary College*. B.V.Sc. Principal—Dr. S. D. Ahmad.

TECHNICAL COLLEGE OUTSIDE LAHORE AFFILIATED TO THE UNIVERSITY

LYALLPUR, *Agricultural College (Govt.)*. B.Sc. in Agric. ; Agric., Bot., Chem., Zool., and Entomol. for M.Sc. in Agric.

AFFILIATED COLLEGES RECOGNIZED IN DEGREE OR DIPLOMA COURSES

B.A., M.A., etc.—A., As., B., Ch., E., Ec., F., Geog., G., H., Hi., Isl., M., Mil., Min., P., Pb., Ph., Pol. Sc., Ps., Psych., S., Tech. Ch., Th., U., Z. = Affiliated

up to B.A., M.A., etc., in Arabic, Astronomy, Botany, Chemistry, English, Economics, French, Geography, Geology, History, Hindi, Islamiyyat, Maths., Military Science, Mineral., Persian, Punjabi, Philos., Pol. Science, Physics, Psychol., Sanskrit, Technical Chemistry, Theology, Urdu, and Zoology.

Arts and Science

BAHAWALPUR, *Sadiq Egerton College*. M.A., M., E. ; B.A., A., E., M. (A and B courses), P., Th., Ec., U., Hi., A., P., U., Isl. Principal—E. Dickenson.

CAMPBELLPUR, *Government College*. B.A.—E., H., Ph., Ec., M. (A and B Courses), A., P., S., U., Hi., Pb., Geog., Ch., Isl. Principal—A. Hamid, M.A.

CHAKWAL, *Government College*. B.A.—E., Hi., Ec., Ph., G., Pol. Sc., M. (A and B Courses), A., Isl., P., U., Ph., Ch. Principal—Ata Mohy-ud-Din., Ph.D.

D. G. KHAN, *Government College*. B.A.—E., Ec., Ph., Geog., H., Pol. Sc., M. (A and B Courses), S., A., P., U., Hi., Isl. Principal—Kh. G. Abbas, M.A.

GUJRANWALA, *Islamia College*. B.A.—E., Ec., Geog., H., Hi., M., P., Ph., U. Principal—M. A. Hassan.

GUJRAT, *Girls' College*. B.A.—E., Ec., A., U., H., Ph., P. Principal—Mrs. S. Saleem.

GUJRAT, *Zanindra College*. B.A. and B.Sc.—E., P., S., A., M., Ec., Ph., Pol. Sc., H., U., Pb., Hi., Ps., Ch., Isl. Principal—S. M. Afzal, M.Sc.

JHANG, *Government College*. B.A.—E., H., Ec., Ph., Geog., Pol. Sc., M., Hi., U., Isl. Principal—Nazir Ahmad, M.Sc., Ph.D. Lond.

LAHORE, *Dyal Singh College*. M.A.—Ec., H., M., P., Ph., Pol. Sc., Ec., S., U. ; B.A. and B.Sc.—E., S., P., M., H., Ec., Ph., As., Pol. Sc., U., Hi., Ph., Ps., A. Principal—A. A. Abid, M.A., LL.B.

LAHORE, *Forman Christian College*. M.A., M.Sc.—E., Ec., H., M., Pol. Sc., Psych., Ch., U. ; 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—R. M. Ewing, M.A. Princet.

LAHORE, *Government College*. M.A., 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., Isl., Pb., F., Pol. Sc., Geog., U., Hi., Ps., Ch., B., Z. Principal—Siraj-ud-Din, M.A., B.Litt. Oxon.

LAHORE, *Islamia College*. M.A., Ec., H., M., P., Ph., Pol. Sc., U., A. ; B.A. and B.Sc.—E., A., P., H., Ph., M., Ec., As., Pol. Sc., Geog., U., Ps., Ch., Isl., Offg. Principal—Ghulam Hussain, M.A.

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., A., F. Principal—Mrs. Mangat Rai, M.A. Harv.

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., Ec. Principal—Mrs. Lall, M.A.

LAHORE, *M.A.O. College*. B.A.—A., E., Ec., H., M. (A and B Courses), P., Pol. Sc., S., U., H., Ph. Principal—Dilawar Hussain, M.A.

LAHORE, *Talim-ul-Islam College*. B.A., A., E., H., M. (A and B Courses), P., Pol. Sc., S., U., Ph., Ec., Chem., Ps. Principal—M. N. Ahmad, M.A.

LYALLPUR, *Government College*. B.A., B.Sc.—A., Ch., E., Ec., H., Hi., M. (A and B Courses), Mil., P., Pb., Ph., Pol. Sc., Ps., S., U. Principal—Taj Muhammad Khayal, M.A.

LYALLPUR, *Government College for Women*. B.A.—E., H., Pol. Sc., M. (A and B Courses), Isl., B., Geog., S., P., Ec., U., Hi., Pb. Principal—K. Banerjee.

LYALLPUR, *Islamia College*. B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., S., U. Principal—A. J. Mohammad Khyal, M.A.

MIANWALI, *Government College*. B.A.—E., H., Ec., Ph., Geog., Pol. Sc., M., Isl., A., P., U., Ps., Ch. Principal—M. A. Bari.

MONTGOMERY, *Government College*. B.A.—E., M., H., Ec., Ph., Geog., Pol. Sc., U., S., A., P., Hi., Pb., Isl. Principal—F. N. Khan, M.Sc.

MULTAN, *Emerson College*. B.A.—E., Ec., H., Hi., M. (A and B Courses), Pb., Ph., U., Geog., Pol. Sc., P., A., S., Ps., Isl. Principal—Syet Saadet Ali Shah, M.A.

MULTAN, *Government College for Women*. B.A.—A., E., Ec., Geog., H., M., P., Pb., Pol. Sc., U., Ph., S., Hi., Isl. Principal—Miss D. Phillips, M.A., B.T.

QUETTA, *Government College*. B.A.—E., Ph., H., Pol. Sc., Ec., A., P., U., M., Geog., U. Principal—K. M. Sarwar.

RAWALPINDI, *Gordon College*. M.A.—E.; B.A., B.Sc.—A., E., Ec., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., F. Principal—Rev. J. B. Cummings.

RAWALPINDI, *Government College*. B.A., B.Sc.—E., M., H., Ec., Pol. Sc., Geog., Ps., A., P., Ch., U., Isl. Principal—Ghulam Ahmad, M.Sc.

RAWALPINDI, *Government College for Women*. B.A., E., H., Ec., Phil., Geog., Pol. Sc., M. (A and B Courses), A., P., U., Isl. Principal—Mrs. K. Siddiqi, M.A., D.T. (Phil.).

SARGODHA, *de Montmorency College*. B.A.—A., E., Ec., H., Hi., M., P., Ph., S., U., Geog., Pol. Sc., Isl., Pb. Principal—Abid Ahmad Ali, D.Phil. Oxon., M.A.

SIALKOT, *Murray College*. M.A.—E.; B.A.—A., E., H., M. (A and B Courses), P., Ph., Pol. Sc., U., S., Pb., Ec., Ps., Ch. Principal—C. W. Tressler, M.A.

GENERAL INFORMATION

Established in 1882, the University is the oldest in Pakistan and was the fourth to be established in the Indo-Pakistan sub-continent. Until 1919 the Univ. confined its activities mainly to examns., the control of affiliated institutions, and the provision of instruction in its Oriental and Law Colls. It has since 1919 undertaken the maintenance of Univ. teaching Depts. for post-graduate instruction and res. and co-ordination of advanced teaching. Hons. Schs. exist in Bot., Zool., Chem., Chem. Technol., Phys., and postgraduate teaching is provided in Econ., Arabic, Sansk., Stats., Persian, Maths., Hist., Polit. Sci., Geog., Bot., Zool., Phys., Chem., Chem. Technol., Urdu, Islamiyyat, and Astron. Besides the Univ. Profs. and Readers and Lectrs., Sr. Teachers of the local Colls. are associated with Univ. teaching. There are Hons. Papers in the subjects, English, Maths., Econ., Philos., Hist., Sansk., Arabic, Persian, Geog., Zool., Psychol., Stats., Astron., Urdu, and Islamiyyat. The Univ. also maintains Colleges of Commerce, Law, and Oriental Studies, and holds classes in Stats., Journalism, German, French, and Russian. A dipl. in Librarianship and a postgraduate Dipl. in Internat. Affairs have been instituted.

English is the usual language of instruction and examn., but Urdu is being introduced as the compulsory medium of instruction and examn. in many subjects at various stages of the Univ. curricula.

CONSTITUTION. The Univ. is governed by an autonomous body, the Senate and its executive, the Syndicate. The Senate consists of the Chancellor, Vice-Chancellor, *ex officio* Fellows, and ordinary Fellows. The Syndicate is elected in Nov. each yr. by the various Facs. The Vice-Chancellor acts as Chairman and the Dir. of Public Instruction, Punjab, attends the Syndicate as an *ex officio* member.

LIBRARY, 155,000 vols., including MSS.; Hon. Librarian, S. M. Abdullah, M.A., M.O.L., D.Litt.; also Departmental and Seminar Libraries.

MUSEUMS AND LABORATORIES. The Univ. maintains a well-equipped Inst. of Chem. and Lab. of Chem. Technol., apart from the Kayshap Res. Inst. in Bot. and Phys. There are Bot. and Zool. Labs. also in Govt. Coll., which the Univ. shares. The depts. of Bot. and Zool. have museums.

FACULTIES AND DEANS. *Oriental*, Maulvi M. Shafi; *Law*, Chief Justice M. A. Rashid; *Arts*, Khalifa Shauj-ud-Din; *Medicine*, Lt.-Col. S. M. K. Mallick, Dir. of Health Services, Punjab; *Science*, B. Ahmad; *Agriculture*, K. A. Rehman, Dir. of Agric., Punjab; *Commerce*, A. Waheed; *Engineering*, M. A. Khan, Chief Engineer, Punjab; *Dentistry*, M. A. Haq; *Vet. Science*, S. M. A. Shah; *Education*, The Dir. Publ. Instr., Punjab.

ADMISSION. Students must have passed the Univ. Matricn. Examn. The Univ. *Calendar*, vol. I, lists the examns. of other Univs., etc., recognized as equivalent to the corresponding examns. of the Univ. The London, Cambridge, Oxford, Northern Universities, Hong-Kong General Sch. Certif. examns. are generally recognized as equivalent to the Panjab Univ. Matricn. Examn.; provided the subjects taken by the candidate satisfy the requirements of Panjab Matricn. examns. of other approved Univs. are recognized by the Syndicate and Academic Council.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc. Engg., M.Sc. Tech.; B.Sc. Agri., M.Sc. (Agri.); LL.B., LL.M., LL.D.; M.B., B.S., M.D., M.Sc. (Medical), M.Sc. (Anatomy), D.L.O., B.Pharm., B.D.S., M.D.S., B.V.Sc.; B.T.; (in Oriental Learning) B.O.L., M.O.L., Ph.D., D.O.L., Dom. Sci.

DIPLOMAS. Dom. Sci., Fine Arts, Journalism, Stats., Public Health, Medical Radiol. and Electrol., Tuberculous, Librarianship, Commercial Arts, Internat. Affairs, Langs. (Russian, German, French, Spanish). **CERTIFICATES,** Librarianship, Comm., Stats. In Fac. of Oriental Learning a 2-yr. course from Matricn. leads to an Intern. examn., and further courses of 2 yrs., 1 yr., and 2 years to the B.O.L., M.O.L., and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency and Hons. in Arabic, Sanskrit, Persian, Urdu, Hindi, Panjabi, and Pashto: Hons. admit to the Oriental titles: Maulvi Fazil (Arabic), Shastri (Sanskrit), Munshi Fazil (Persian).

The UNIVERSITY FOREIGN INFORMATION BUREAU advises and helps students who go abroad for advanced studies. Sec., Kazi Saeed ud-Din Ahmad, M.A., Ph.D. Lond.

RESIDENCE. Undergraduates in Lahore Colls., unless living with their guardians, are ordinarily required to reside in Coll. hostels or in hostels recognized by the Univ.

GRANTS TO COLLEGES. Grants are given by the Univ. to Mofussil Colls. for prosecution of research, and to Colls. affiliated to M.A. standard, for library books required by M.A. students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the Univ. at Lahore and Mofussil Colls.

ENDOWMENTS AND SCHOLARSHIPS. 70 Endowment Funds for award of prizes, medals, and scholps. to students. In addition, there are numerous Univ. scholps. ; 80 for Matricn. examn. ; 40 for Inter. examn. ; and 23 scholps. in various subjects tenable for 2 to 4 yrs.—Indo-Oriental Studies, Hist., Sanskrit, Pali or Prakrit, Arabic, Panjabi, Sci., Physics, and Maths. A postgraduate State scholp. is open to graduates of the Univ. between 21 and 25 yrs. for study in a recognized Univ. in the United Kingdom. 3 studentships (Rs. 100 each) in Oriental, Arts, and Sci. Facs., open to Muslim students from foreign countries. A number of depts. also have postgraduate res. scholps.

PUBLICATIONS. *Calendar* (2 vols.), Rs. 6 (annual) ; *Gazette*, Rs. 4 (monthly).

THE YEAR 1949-50

A Univ. Commission was appointed in 1950 to survey the working of the Univ. of the Panjab, its constitution, rules and regulations, with a view to suggesting such changes as might appear to be necessary for the better control, teaching, and admin. of the Univ.

NEW DEPARTMENTS, ETC. Islamiyyat, Urdu, Geol. Work has begun on an Encyclopædia of Islam.

PRINCIPAL CHANGES IN REGULATIONS. Increasing use of Urdu in examns. A 4-yr. instead of a 3-yr. course for B.Com. examn. has been instituted.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. V. M. Hancher, State Univ., Iowa ; Dr. Darden, Kansas ; Dr. C. S. Johnson, Fisk Univ. ; Dr. A. H. Compton, Washington, participated in the Educnl. Conf. held by Univ. in Dec. 1949. Teachers from other Univs. were also present at the First Pakistan Statistical Conf. in the Univ. (Feb. 1950) and the First All-Pakistan Political Sci. Conf. (March 1950).

RETIREMENT. M. A. Shustri, Principal, Oriental Coll.

DEATHS. S. A. Qadir, Hon. Fellow of the Univ. ; S. U. Tajwar, Fellow of the Univ. ; M. D. Taseer, Fellow of the Univ.

HONORARY DEGREES. *LL.D.*—Hon. G. Mohammad, Pakistan Minister of Finance ; Dr. F. C. 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 ; *LL.D.*—H.M. Md. Reza Shah Pehlvi, the Shashinsha of Iran. *D.O.L.* (posthumously)—Shaikh-ul-Islam Allama Shabir Ahmad Usmani.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3350	7719
Women	506	629
Total	3856	8348

DEGREES. B.Sc., 343 ; M.Sc., 41 ; B.A., 929 ; B.A. Hons., 39 ; M.A., 117 ; Ph.D., 6 ; B.Com., 79 ; B.D.S., 6 ; B.T., 97 ; LL.B., 102 ; M.B., B.S., 99 ; B.V.Sc., 27.

UNIVERSITY OF PESHAWAR *

Established 1950

Postal Address: Peshawar University P.O., N.W.F.P., West Pakistan.

Telephone (Registrar); Peshawar 173.

CHANCELLOR—The Hon. KHAN ABDUL QAYYUM KHAN, B.Sc., Chief Minister, N.W.F. Province.

VICE-CHANCELLOR—M. TIMUR, M.A.

REGISTRAR—SH. MINHAJUDDIN, M.Sc.

DEAN OF UNIVERSITY INSTRUCTION—M. TIMUR, M.A.

DIRECTOR OF RESEARCH—R. D. SIDDIQI, M.A. Camb., Ph.D. Leipzig, D.Sc.

HEADS OF DEPARTMENTS

Economics

Mukhtar, A., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

Law

Waliullah, M., B.A., LL.B.
Prof. and Hd. of Dept.

Education

Alawi, A. H., M.A., B.T.
Hd. of Dept.

✓ *Mathematics and Physics*
Siddiqi, R. D., M.A. Camb., Ph.D.
Leipzig, D.Sc.
Prof. and Dir. of Res.

English

Brooks, B. G., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

ADMINISTRATIVE STAFF

Dep. Registrar, A. Hashim, M.A. Lond. Asst. Registrar, A. Hassan, M.A. Cairo. Asst. Registrar (Accts.), M. S. Burg. Librarian, M. A. Subuh.

AFFILIATED COLLEGES

ABBOTTABAD, *Govt. College*. B.A.—Eng., Pers., Arab., Urdu, Econ., Hist., Pol. Sc., Maths. Principal—Mohd Jan, M.Sc., Ph.D. B.T.

D. I. KHAN, *Govt. College*. B.A.—Eng., Maths., Hist., Pers., Pol. Sc., Urdu. Principal—F. M. Khan, M.Sc., LL.B. B.T.

PESHAWAR, *Convent College for Women*. B.A.—Eng., Hist., Econ., Pol. Sc., Pers., French. Principal—Rev. Mother Agnes, M.A.

PESHAWAR, *Edwardes College*. B.A.—Eng., Hist., Maths., Econ., Phil., Pers., Arab., Urdu, and Pol. Sc. Principal—Rev. R. H. Noble, M.A. Camb.

PESHAWAR, *Frontier College for Women*. B.A.—Eng., Hist., Phil., Econ., Maths., Geog., Pers., Urdu, Arab. Principal—Mrs. Brotherton, M.A. Edin.

PESHAWAR, *Government Islamia College*. B.A. and B.Sc.—Phys., Chem., Maths., Bot., Zool., Agr., Hist., Eng., Arab., Pers., Urdu, Econ., Geog., Pol. Sc., Phil. and Islamiat. Principal—A. C. T. Brotherton, M.A. Edin.

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

GENERAL INFORMATION

The foundation-stone of the Univ. was laid in Oct. 1950 by the late Hon. Dr. Liaquat Ali Khan, Prime Minister of Pakistan. The existing colls. in the North-West Frontier Province are affiliated to it up to B.A. and B.Sc. standards. Postgraduate teaching is done under the direct control of the Univ., in some cases with the co-operation of the Peshawar colls. The Univ. plans to open postgraduate teaching depts., during the next 5 yrs., in Engin., Agric., Phys., Chem., Bot., Zool., Arabic, Persian, Hist., and Philos.

CONSTITUTION. The Univ. is governed by a private body, the Senate and its executive, the Syndicate. The Senate consists of the Chancellor, the Vice-Chancellor, *ex officio* Fellows, and ordinary Fellows. The Syndicate is elected in Nov. each yr. from among the members of the Senate by the Chancellor, the Vice-Chancellor, and various Facs. The Vice-Chancellor acts as Chairman.

FACULTIES AND DEANS. Islamiat, M. Nurul Haq ; Oriental, Dr. K. Sakhaullah ; Arts, Dr. A. Mukhtar ; Science, Dr. R. D. Siddiqi ; Law, Hon. K. B. Mohd Ibrahim Khan ; Engin. and Technol., ; Educn., Dir. of Public Instruction, N.W.F.P. ; Agric., M. Mushtaq Ahmad.

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

UNIVERSITY OF SIND *

Founded 1947

Postal Address : Hyderabad, Sind, W. Pakistan.

CHANCELLOR—H.E. THE GOVERNOR OF SIND.

PRO-CHANCELLOR—HON. THE CHIEF MINISTER OF SIND.

VICE-CHANCELLOR—ALLAMA I. I. KAZI.

REGISTRAR—AGHA TAJ MOHAMMAD, B.A. Bom., B.T. Alig.

DEPUTY REGISTRAR—MOHAMMAD HUSAIN, M.A.

SUPERINTENDENT (ACCOUNTS)—RAZA MOHAMMAD BHUTTO.

SUPERINTENDENT (GENERAL AND ACADEMIC)—S. G. H. KAZMI.

LIBRARIAN—A. MOID, B.A. Alig., Dip.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. Mohammad Shah.

HYDERABAD, *Muslim Girls Arts College.* B.A.

HYDERABAD, *Sind Govt. College.* M.A.

SHIKARPUR, *C. and S. Govt. College.* M.A.

Science

Dean—M. B. Bithawalla, D.Sc., B.A.

HYDERABAD, *Sind Govt. College.* B.Sc.

SHIKARPUR, *C. and S. Govt. College.* Intermediate.

Medicine

Dean—Lt.-Col. A. K. M. Khan, F.R.C.S.

HYDERABAD, *Sind Medical College.*

Law

Dean—Hon. Justice H. B. Tayabji.

HYDERABAD, *Sind Law College.* LL.B.

Technology

Dean—A. M. Shaikh, Ph.D.

SAKRAND, *King George V. Institute of Agriculture.* M.Sc.Agric.

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

Religious Studies

Dean—Syed Haji Ali Akbar Shah.

Facilities exist in all the Arts and Science Colleges. A dept. of Religion is being established under direct University control.

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, prophesied the coming of the time when the province would need a separate University to serve its distinctive cultural needs. Sind, though long connected administratively with Bombay, 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 Govt. of India appointed a cttee. 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 cttee., 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 Govt. of Sind appointed the Sind University Committee with comprehensive terms of reference to go into the entire problem of a separate Univ. The Report of the Cttee., issued in 1941, covered the entire field of organizational and academic issues involved. But action on the Report was delayed by several causes, till a regular Bill for the creation of a separate Univ. for Sind was introduced in the local legislature in 1945, and passed finally into an Act in 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.

As a separate Karachi University for the Karachi Federal Area was established as from session 1951-52, the headquarters of the University of Sind were moved from Karachi to Hyderabad in May 1951. This change has affected the number of colleges affiliated to the Univ. and has also slightly affected the number of examns.

The University is, for the present, an affiliating, examining, and teaching Univ. Most of the teaching work is carried on by the affiliated colls., but schemes for taking over all postgraduate teaching and research under the direct control of the Univ. are under consideration. A start has been made by establishing the depts. of Sindhology, Educn., and Religion. The dept. of Sindhology is designed to organize extensive res. work in the hist., lit., lang., folklore, economic conditions, and material resources of the Province of Sind. The Prof. of Educn. is N. B. K. Baloch, B.A. Bom., M.A., LL.B. Alig., M.A., Ed.D. Col. M.Ed. courses have begun.

A Univ. township scheme has been prepared and is under consideration by the Provincial and Central Govts. The scheme envisages the establishment of the following institutions under direct Univ. control: Educn. Dept. with Model Primary Sch. and Model Collegiate Sec. Sch.; Arts Coll.; Commerce Coll.; Law Coll.; Sci. Coll.; Engin. Coll.; Technical Inst.

A FOREIGN UNIVERSITIES' BUREAU OF INFORMATION has been set up 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.) ; M.A. ; M.Ed. ; Ph.D. *Science*—B.Sc. (Pass and Hons.) ; M.Sc. *Law*—I.L.B. *Technology*—B.Sc. (Agri.) ; M.Sc. (Agri.).

RECOGNITION OF EXAMINATIONS OF OTHER UNIVERSITIES. Examns. of all statutory Univs. in India and Pakistan are recognized for the purpose of admission.

UNIVERSITY SESSION. The academic yr. 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 March 10.

TERM FEES. M.Ed. course, Rs. 175.

RECREATION. The University Board of Sports organizes the Univ.'s sports activities. Individual Colls. also provide facilities for indoor and outdoor games.

THE YEAR 1949-50

HONORARY DEGREE. *LL.D.*—Hon. Liaquat Ali Khan, Prime Minister of Pakistan.

THE COLONIES

UNIVERSITY OF HONG KONG (p. 1269)

UNIVERSITY OF MALAYA (p. 1275)

ROYAL UNIVERSITY OF MALTA (p. 1280)

UNIVERSITY COLLEGE OF THE GOLD COAST (p. 1284)

UNIVERSITY COLLEGE, IBADAN (p. 1288)

MAKERERE COLLEGE, THE UNIVERSITY COLLEGE OF
EAST AFRICA (p. 1293)

UNIVERSITY COLLEGE OF THE WEST INDIES (p. 1297)

IMPERIAL COLLEGE OF TROPICAL AGRICULTURE (p.
1301)

COLLEGE OF AGRICULTURE, MAURITIUS (p. 1305)

UNIVERSITY INSTITUTIONS IN THE COLONIES

THE provision of facilities for higher education within the Colonies has a long history; Codrington College, Barbados, founded in 1710, and Fourah Bay College, Sierra Leone, founded in 1827, have since 1875 been affiliated with the University of Durham (*see* p. 110). The present phase of exceptionally rapid development, however, dates from the end of the 1939-45 war. In June 1945 reports were published of the Commission on Higher Education in the Colonies under the chairmanship of Mr. Justice Asquith, of its West Indies Committee under the chairmanship of Sir James Irvine, and of the Commission on Higher Education in West Africa under the chairmanship of Colonel Walter Elliot (Cmd. 6647, Cmd. 6654, Cmd. 6655, H.M. Stationery Office). These reports recommended that additional University institutions should be created within the Colonies, formulated the principles on which they should be developed, proposed the establishment of an Inter-University Council through which the Universities of the United Kingdom could assist, and provided detailed plans for new University colleges in the West Indies and West Africa. After the liberation of Malaya, a commission under the chairmanship of Sir Alexander Carr-Saunders (Report, Col. 229, H.M. Stationery Office) visited the area and recommended that a University of Malaya should be established by the amalgamation of the King Edward VII College of Medicine (founded 1904) and Raffles College (founded 1928).

In this post-war development, the two existing Universities of Malta (founded 1769) and Hong Kong (founded 1911) have been strengthened, a new University of Malaya founded, three new University Colleges created, the University College of the West Indies, the University College of the Gold Coast, and University College, Ibadan, Nigeria, and Makerere College (founded 1922) raised to the status of the University College of East Africa.

All the Colonial Universities and University Colleges are autonomous corporations, established by local ordinances or, for the University College of the West Indies, by Royal Charter. With minor variations, their constitutions provide for a *Council*, with a majority of lay members and some academic representatives, and a *Senate* or *Academic Board*, wholly academic in membership.

The institutions have relatively small endowments, the largest being £1 million for the University of Hong Kong in 1951 from Japanese assets available under the peace treaty and nearly £1 million for the Faculty of Agriculture at University College, Ibadan, from the Nigerian Cocoa Marketing Board. They receive most of their recurrent income from the local governments in the form of block grants, not internally earmarked. Local governments have given generous sites for the new Colleges, for instance areas of five square miles each for the University College of the Gold Coast and University College, Ibadan, and over one

square mile in Jamaica for the University College of the West Indies. In addition to substantial capital gifts for buildings and equipment from local governments and private sources, His Majesty's Government in the United Kingdom has contributed £6 million for capital purposes from funds available under the Colonial Development and Welfare Act, 1945.

The three Universities award their own degrees. The four University Colleges provide courses leading to the degree examinations of the University of London, with which they are in special relationship ; by this arrangement the academic boards of the Colleges work out with the University special syllabuses adapted to local conditions, and members of the College staffs assist in the examining of their own students. In addition to courses leading to University of London degree examinations, the University Colleges provide, in some subjects, courses leading to their own diplomas and certificates.

The academic year is from Oct. to June, except at Makerere, where it is from March to Dec. The institutions, except Malta, are either wholly or for the majority of students residential. The language of instruction is English.

All have Faculties of Arts and Natural Science ; all, except the Gold Coast, Medicine. Social Sciences are taught at Hong Kong, Malaya, Gold Coast, and Makerere ; Veterinary Science at Makerere ; Engineering and Architecture at Malta and Hong Kong ; Dentistry at Malaya ; Theology at Malta and Gold Coast ; Law at Malta ; Education at Hong Kong, Malaya, West Indies, Gold Coast, and Makerere. West Indies, Gold Coast, and Ibadan have departments of Extra-mural Studies.

All are active centres of research as well as of teaching. At three of the colleges, West Indies, Ibadan, and Makerere, regional Institutes of Social and Economic Research have been established with grants under the Colonial Development and Welfare Act.

In addition to the three Universities and four University Colleges, there are in the Colonies several other institutions of research and higher education, including two specialized agricultural colleges, the Imperial College of Tropical Agriculture, Trinidad, and the College of Agriculture, Mauritius.

THE INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION 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 Alexander Carr-Saunders, M.A., LL.D., D.Litt., F.B.A. Vice-Chairman: Sir Raymond Priestley, M.C., M.A., D.Sc., LL.D., D.Litt.

Representative Members: *Aberdeen*: T. M. Taylor, C.B.E., K.C., M.A., LL.D.; *Belfast*: Prof. F. H. Newark, M.A., B.C.L.; *Birmingham*: Sir Raymond Priestley, M.C., M.A., D.Sc., LL.D., D.Litt.; *Bristol*: Sir Philip Morris, C.B.E., M.A., LL.D.; *Cambridge*: W. W. Grave, M.A., Ph.D.; *Durham*: Sir James 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*: L. T. Ride, C.B.E., B.Ch., M.A., D.M., LL.D.; *Leeds*: C. R. Morris, M.A., LL.D.; *Liverpool*: Prof. J. G. Wright, M.V.Sc., F.R.C.V.S.; *London*: Sir Alexander Carr-Saunders, M.A., LL.D., D.Litt., F.B.A.; *Malaya*: Sir G. V. Allen, C.B.E., M.D., B.Ch., B.A.O., D.T.M.; *Malta*: J. A. Manch , B.Sc., M.D.; *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. H. G. Sanders, M.A., Ph.D.; *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., D.Litt.

Co-opted Members: Prof. T. H. Davey, O.B.E., M.D., D.P.H.; Dame Lillian Penson, D.B.E., LL.D., D.Litt., Ph.D.; Miss Margery Perham, C.B.E., M.A.; Sir Arthur Trueman, K.B.E., D.Sc., F.R.S.; Sir Ivor Jennings, K.C., Litt.D., LL.D.

Ex officio Member: Sir Christopher Cox, K.C.M.G., Educational Adviser to the Secretary of State for the Colonies.

Secretary: Walter Adams, C.M.G., O.B.E., B.A.

Library Adviser: R. Offor, B.A., Ph.D.

Among the duties of the Council is the organization of periodical visits by its members or other academic specialists to the Colonial institutions of higher education. The Council has undertaken recruitment of staff for the Universities and Colleges in the Colonies and advised the Colleges on such questions as constitutions, conditions of service for staff, building programmes, academic development, recognition of diplomas, scholarship policy, and library services. The Council reviews the academic aspects of applications submitted to the Colonial University Grants Advisory Committee, on which it is represented by two of its members.

THE COLONIAL UNIVERSITY GRANTS ADVISORY COMMITTEE. The Committee was appointed in 1946 by the Secretary of State for the Colonies with the following terms of reference :

" The function of the Committee will be to advise the Secretary of State for the Colonies on all matters which he may refer to it, relating to the expenditure of United Kingdom funds for the development of higher education in the Colonies. It is expected that in advising on these matters, the Committee will take into account the funds available for Colonial higher education from sources other than the United Kingdom Government. On the academic aspects of the proposals which are referred to it, the Committee will be guided by the opinion of the Inter-University Council for Higher Education in the Colonies."

The members are : Sir Hector Hetherington, K.B.E., M.A., LL.D., D.Litt. (Chairman) ; Keith Murray, B.Litt., M.A., Ph.D. ; Sir Walter Moberly, G.B.E., K.C.B., D.S.O. ; Sir John Huggins, K.C.M.G. ; Dame Lillian Penson, D.B.E., LL.D., D.Litt., Ph.D. ; D. J. Sloss, C.B.E., LL.D. ; Sir Arthur Trueman, K.B.E., D.Sc., F.R.S. ; Sir Alexander Carr-Saunders, M.A., LL.D., D.Litt., F.B.A. ; C. R. Morris, M.A., LL.D. ; Sir Christopher Cox, K.C.M.G. ; H. T. Bourdillon ; Secretary : Walter Adams, C.M.G., O.B.E., B.A.

UNIVERSITY OF HONG KONG*

Founded 1911

Telegraphic Address : University, Hong Kong.

Telephone : 28054, 28055, 28056.

PATRON—H.M. THE KING.

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BURSARS—Messrs. PEAT, MARWICK, MITCHELL & Co.

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TEACHING STAFF

Anatomy

Banfill, S. M., M.B.E., B.A.
Bishop's, M.D. McG. Prof.
Lee, R. H. S., D.L.O., M.B., B.S.
Pt.-time Lectr.
Lee, Marjorie M. C., M.D. West
China Union Demr.
Chow, P. P. H., M.B., B.S. Demr.
Anderton, Mrs. Esther, M.B., B.S.
Calc. Pt.-time Demr.
Cheng, S. Y., M.B., B.S.
Pt.-time Demr.

Architecture

Brown, R. G., M.A. Edin.,
F.R.I.A.S. Prof.
Young, C., B.Arch., B.A. Wu-
chang, M.A. Mich. Lectr.
Braga, H., B.Sc. (Eng.) (Building
Constn.) Pt.-time Lectr.
Li, S. (Painting) Pt.-time Lectr.

Biology

Barker, D., M.A., D.Phil. Oxon.
(Zool.) Prof.
Yung, C. T., B.Sc. Tsinghua, Ph.D.
Chic. (Bot.) Sr. Lectr.
Johnston, Mrs. Eiluned, B.Sc.
Lond. (Zool.) Lectr.

Chiu, Miss B. T., B.Sc. Lond
(Bot.) Lectr.
Chen, Miss Spring, B.Sc., Ph.D.
Lond. Asst. Lectr.
Ng, C. S., B.Sc. Soochow Demr.
Engel, Mrs. Joyce, B.Sc. Lond.
Demr.
Tao, Mabel, B.Sc. Chekiang Demr.

Chemistry

Driver, J. E., M.A. Camb., Ph.D.,
M.Sc. Lond., F.R.I.C. Prof.
..... (Phys. C.) Sr. Lectr.
Collins, Mrs. Dorothy A., M.Sc.
Liv. Lectr.
Arthur, H. R., B.Sc. Melb. (Org. C.)
Lectr.
Leary, R. H., B.Sc. W.Aust.
Asst. Lectr.
Hui, Miss W. H., B.A. Demr.
Chug, Mrs. Ada, B.A. Demr.
Yu, P. C., B.A. Demr.

Chinese

..... Prof.
Ho, K. C., L. ès Sc. Nat. Brussels
Lectr.
Wong, S. L., B.A. Lingnan (Can-
tonese) Lectr.

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

Chan, K. P., O.B.E., B.A.
Asst. Lectr.

Civil Engineering

Billig, K., Dipl.Ing., Dr.Ing.
Vienna Prof.

Wu, K. C., M.Sc. (Eng.) Lond.,
B.Sc. (Eng.), D.I.C. Lectr.

..... Lectr.

Li, F. K., M.Sc., Ph.D. M.I.T.
Pt.-time Lectr.

Lee, M. C., D.Sc. (Eng.) Mich.
Pt.-time Lectr.

King, S. Y., Ph.D. Lond., D.I.C.,
B.Sc. (Eng.) (Electr. and
Mech.) Asst. Lectr.

Hui, C. Y., B.Sc. (Eng.) Demr.

Leung, K. W., B.Sc. (Eng.) Demr.

Weller, F. C. Workshop Instr.

Economics and Political Science

Kirby, E. S., B.Sc. (Econ.), Ph.D.
Lond. Prof.

..... Lectr.

Mansfield, Rev. Fr. M., M.A.
N.U.I. Asst. Lectr.

Liao, J. W. K., B.A. Nanking,
M.A., Ph.D. Chic. (Sociol.)
Lectr.

She, Louise, B.A. Yenching, M.A.
Mich. (Soc. Study)

Lectr and Supervisor.

Education

Priestley, K. E., M.A. Oxon.,
Dip.Ed. Prof.

..... Lectr.

English

..... Prof.

Birch, B. G., M.A. Brist. Reader.

Green, A. W. T., M.A. Oxon. (Lin-
guistics) Sr. Lectr.

Oblitas, R., M.A. Camb., Cert.Ed.
Lectr.

Mather, Mary, M.A. Camb.
Asst. Lectr.

French

..... Sr. Lectr.

Geography and Geology

Davis, S. G., Ph.D., M.Sc. Lond.,
F.G.S. Reader.

Stephens, E. A., B.Sc. Sheff.
(Geol.) Lectr.

History

..... Prof.

Endacott, G. B., M.A., B.Litt.
Oxon., B.A. Lond. Lectr.

Mathematics

Wong, Y. C., Ph.D., D.Sc. Lond.
Prof.

..... (Appl. M.) Sr. Lectr.

..... Lectr.

Hui, C. S., M.Sc. Harv., B.Sc.
(Eng.), D.I.C. Tutor.

Medicine

McFadzean, A. J. S., M.B., Ch.B.
Glas. Prof.

Chang, S., M.D. Peking Union
Med. Coll. Sr. Lectr.

..... (Pæd.) Sr. Lectr.

Lee, H. L., D.C.H., M.B., B.S.
(Pæd.) Hon. Lectr.

Part-time Lecturers

Mitchell, Major P. C., M.C., M.B.,
Ch.B. Aberd. (Dermatol.).

Yap, P. M., M.A., M.B., B.Ch.
Camb., D.P.M. (Mental Dis.).

Hsu, C. F., M.D. Peking (Pæd.).

Young, K. T., M.B., B.S. (In-
fectious Dis.).

Assistant Lecturers

Choa, G., M.B., B.S.

Heath, Cherry, M.B., B.S. Lond.
(Pharmacol. and Thera-
peutics).

Wong, C. C., M.B., B.S.

Obstetrics and Gynaecology

King, G., F.R.C.S., F.R.C.O.G.

..... Prof.

Chun, Daphne W. C., F.R.C.S.Ed.,
M.B., B.S. Sr. Lectr.

Wong, Mrs. Ada S. H., M.B., B.S.
Lectr.

Pan, Sylvia, M.D. West China
Union Demr.

Pang, Lilian, B.S., M.D. Women's
Christian Med. Coll. (Gynæcol.
Pathol.) Demr.

Pathology

Hou, P. C., M.D. Peking Prof.
Skinsnes, O. K., M.D., Ph.D. Chic.
Lectr.

Duck, E. F., M.B., B.S. Lond.,
D.P.H., D.T.M. & H. (Bac-
teriol.) Pt.-time Lectr.

Pang, T. C., M.B., B.S. (Med.
Jurispr.) Pt.-time Lectr.

Hwang, C. T., M.D. Lingnan
(Bacteriol.) Asst. Lectr.

Demonstrators

Teoh, T. B., M.B., B.S.

Yong, Y. L., M.B., B.S.

Cheung, Miss P. C., M.D. Lingnan.

Fong, C. P., M.B., B.S.

Lin, C. C., M.D. Lingnan
Hon. Demr.

Philosophy

..... Reader.
..... Lectr.

Physics

Davies, D. F., M.A. Oxon. Prof.
..... Sr. Lectr.

..... Lectr.

Hui, P. M., Ph.D. Lond., B.A.
Asst. Lectr.

Un Po, B.Sc. (Eng.) Asst. Lectr.

Demonstrators

Ling, Miss C. P., B.Sc. Chiao Tung.

Wang, T. S., B.Sc. (Eng.).

Ip, H. H., B.Sc. (Eng.).

Physiology

Ride, L. T., C.B.E., M.A., D.M.,
B.Ch. Oxon., LL.D. Tor. Prof.

Gould, D. W., D.T.M. & H. Lectr.
Driver, Mrs. Audrey F. M., M.A.
Camb. Asst. Lectr.

Liang, C. C., B.Sc. Tsinghua
Demr.

Social Medicine

Sze, T. S., Dr.P.H. Johns H.,
D.T.M. & H., D.P.H., M.B.,
B.S. Prof.

Surgery

Stock, F. E., M.B., B.S. Lond.,
F.R.C.S., D.T.M. & H. Edin.
Prof.

Hodgson, A. R., M.B., Ch.B.,
F.R.C.S.Ed. (Orthop. S.)
Sr. Lectr.

..... (Anæsthetics) Sr. Lectr.
Spence, Lt.-Col. J., M.B., B.S.
Syd., F.R.C.S. (Orthop. S.)
Hon. Lectr.

Hui, K. K. L., M.B., B.S. Lectr.

Part-time Lecturers

Lu, K. C., M.B., B.S.

Cook, J., F.R.C.S.Ed., F.A.C.S.,
D.P.H.

McCall, T. H., M.B., B.S. Lond.,
D.A. (Anæsthetics).

Singh, M., D.O.M.S. Lond., M.B.,
B.S. (Ophthalmol.).

Laing, D., F.R.C.S.Ed., M.B., B.S.
(Oto-rhino-laryngol.).

Ho, H. C., D.M.R.D., M.B., B.S.
(Radiol.).

Cheung, K. L., M.B., B.S. (Ven-
ereal Dis.).

ADMINISTRATIVE AND OTHER STAFF

Actg. Librarian, Fung Ping Shan Library : K. P. Chan, O.B.E., B.A. ;
Accountant : M. K. Cheng ; Insp. of Works : M. Antonoff ; Controller of
Gds. : C. W. Pan, B.Sc. (Hort.) Nanking ; Medical Officer for Student Health :
C. P. Fong, M.B., B.S.

WARDENS OF HALLS OF RESIDENCE. (*Men*) : G. B. Endacott, M.A.,
B.Litt. Oxon. (May Hall) ; S. G. Davis, Ph.D., M.Sc. Lond., F.G.S. (Eliot
Hall) ; R. Oblitas, M.A. Camb. (Lugard Hall) ; Rev. S. Withers Green, B.A.
Lond., B.D. Oxon. (Morrison Hall) ; Rev. Fr. F. Cronin, B.A. N.U.I. (Ricci
Hall) ; Rev. G. She, M.A. Oxon. (St. John's Hall). (*Women*) : Mrs. Mary King,

M.B., Ch.B. St. And., D.T.M. & H. (Lady Ho Tung Hall) ; Mrs. Ada Chung, B.A. (St. Stephen's Hall).

GENERAL INFORMATION

In 1887 Sir Patrick Manson, G.C.M.G., started the Hong Kong College of Medicine for the Chinese in the Alice Memorial Hospl. opened the same yr. on a London Missionary Soc. foundation. As students of nationality other than Chinese began to join the Coll., the words "for the Chinese" were struck out of the title in 1907, and the institution was incorporated as "The Hong Kong College of Medicine."

The College offered to amalgamate in a University, and in March 1911 the Univ. of Hong Kong was incorporated by a local Ordinance, embodying the principle of religious and racial neutrality. In connexion with the foundation H.M. Govt. guaranteed funds for the foundation of "King Edward VII Scholarships," awarded on entrance examn. results. The Univ. was opened in March 1912, in a bldg. donated by Sir Hormusjee Mody, with Facs. of Med. and Engin. A Fac. of Arts was organized in the following yr., a Fac. of Science in 1939, and Fac. of Archit. in 1951.

CONSTITUTION. The supreme governing body of the Univ. is the Court, with the Governor of Hong Kong as Chancellor and Chairman. The executive body is the Council, composed of the Vice-Chancellor, the Treasurer, certain Govt. officials and Chinese members of the Legislative Council, the Deans of the Facs., 2 representatives of the commercial community and 2 additional members approved by the Chancellor. The Senate, which deals with academic matters, is composed of the Vice-Chancellor, the Dir. of Education, and the Profs. and Readers.

FACULTIES AND DEANS. Arts, B. G. Birch ; Science, Prof. J. E. Driver ; Med., Prof. S. M. Banfill ; Engin., Prof. Y. C. Wong ; Archit., Prof. R. G. Brown.

ADMISSION. Qualifications: attainment of age 16 ; medical examn. of fitness ; success in the Univ. of Hong Kong Matricn. Examn. (passes in English, a second Lang., Elementary Maths., and 2 other subjects), or exemption from it.

DEGREE COURSES. Pass B.A., B.Sc.—3 yrs. ; pass B.Sc. (Eng.)—4 yrs. M.B., B.S.—6 yrs. Hons. B.A., B.Sc.—4 yrs. Pass or Hons. B.Arch.—5 yrs. The minimum attendance at lectures and lab. classes prescribed is 75 per cent. The minimum residence in the Univ. for graduation is 3 yrs., except where individual exemption is given.

Students in Arts courses are selected after the First-yr. Examn. to read for Hons. B.A. ; students in Sci. courses are required to graduate with a pass B.Sc. degree before they may be permitted to read during 1 further yr. for an Hons. B.Sc.

HIGHER DEGREES. M.A., M.Sc.—conferred on graduates of the Univ. or of approved Univs. after advanced work extending over at least 2 yrs. M.Sc. (Eng.)—conferred on graduates of the Univ. only, similarly after 2 yrs. M.D., M.S.—conferred on graduates of the Univ. of 5 yrs.' standing, or in special cases of 3 yrs.' standing. M.Arch.—conferred on Hons. graduates of the Univ. or of approved Univs. after 1 yr.'s advanced work. D.Sc.—conferred on graduates of the Univ. of at least 5 yrs.' standing on evidence of publication of authoritative contributions to learning.

DIPLOMAS. Dipl. in Educn.—1 yr. ; Dipl. in Social Study—2 yrs. ; candidates must be graduates of the Univ. or approved Univs.

CERTIFICATE. Certif. in Social Study—2 yrs. ; candidates must be matriculated students of the Univ.

FEES (\$16=£1). Matricn., \$50 ; Registration, \$10 ; Caution, \$100 ; *Composition* (including Tuition, Lab. or Workshop, Examn., and Student Health) : B.A. (Pass) (3 yrs.), \$3150 ; B.A. (Hons.) (4 yrs.), \$4200 ; B.Sc. (Pass) (3 yrs.), \$3750 ; B.Sc. (Hons.) (4 yrs.), \$5000 ; M.B., B.S. (6 yrs.), \$7500 ; B.Sc. (Eng.) (4 yrs.), \$4600 ; B.Arch. (5 yrs.), \$5750 ; Higher Degree Examns : M.A., M.Sc., M.Sc. (Eng.), M.Arch., \$400 ; D.Sc., M.D., M.S., \$600. Graduation : B.A., B.Sc., M.B., B.S., B.Sc. (Eng.) B.Arch., \$50 ; M.A., M.Sc., D.Sc., M.D., M.S., M.Sc. (Eng.), M.Arch, \$200.

LANGUAGE OF INSTRUCTION : English.

EXTERNAL STUDENTS. Students who are not registered Matriculated Students may read in courses other than those offered in the Fac. of Medicine provided they have attained Matricn. Examns standard in English and in the subject of the course in which they apply to read, but may not take any examns.

VACATION COURSES. Refresher Courses are offered from time to time for approved graduates, in professional subjects.

FELLOWSHIPS. 2 Research Fellowships in the Dept. of Medical Research.

GRADUATES' ASSOCIATIONS. Hong Kong Univ. Alumni Assocn. of Hong Kong ; Hong Kong Univ. Soc. of Shanghai ; Hong Kong Univ. Canton Alumni Assocn. ; Pan-Malayan Hong Kong Univ. Alumni Assocn. (branch Assocns. of S. Malaya, Central Malaya, Perak, and North Malaya) ; Hong Kong Univ. Alumni Assocn. in the U.K.

LIBRARIES. Univ. Library : 58,000 vols. and subscribes to over 200 journals. Special collections include the Hankow Collection which provides invaluable source material on the relations between China and the West during the Ch'ing dynasty ; and the Morrison collection of 1300 vols. of which about 100 are of considerable antiquarian value in the fields of oriental and biblical lit. Fung Ping Shan Library : a Chinese library of about 55,000 Chinese vols. and some 2300 Japanese sinological vols.

BRITISH INSTITUTE OF FAR EASTERN STUDIES. The newly founded Inst. at present provides facilities for the study of the Mandarin and Cantonese langs. to Colonial Administrative Service officers and lang. officers of the Army and Air Force ; on expansion and fulfilment it will provide also for research in various fields of Far Eastern Study.

HALLS OF RESIDENCE. For Men : May Hall (accomm. for 90), Eliot Hall (88), Lugard Hall (75)—fees, \$180 a month ; Morrison Hall (54), conducted by London Missionary Soc.—fees, \$200 a month ; Ricci Hall (58), conducted by Jesuit Fathers—fees, \$200 a month ; St. John's Hall (48), conducted by Church Missionary Soc.—fees, \$211 a month. For Women : Lady Ho Tung Hall (accomm. for 85)—fees, \$220 a month ; St. Stephen's Hall (15), conducted by Church Missionary Soc.—fees, \$220 a month.

The UNIVERSITY PRESS is managed by a Publications Bd. apptd. jointly by Council and Senate.

PUBLICATIONS. *Calendar ; Handbook of the Matriculation Examination ; Annual Report ; The Union Magazine* (students).

STUDENT HEALTH SERVICE. Directed by a cttee. composed of the Prof. of Med. as Chairman, the Deans, the Wardens, the Medical Officer for Student Health, and the Pres. of the Students' Union, the health service provides for

initial examn. on admission, required vaccinations and inoculations, and professional services up to specialist level.

STUDENT ATHLETICS. Cricket, football, hockey, swimming, tennis, basketball, badminton, etc.

STUDENTS' UNION. The Union was established in Oct. 1912. Membership is obligatory. It is controlled and directed by a Council, the Pres. and Hon. Sec. of which, and also 4 independent members, are elected by the undergraduates. The Union possesses a Jordan Memorial Library.

THE YEAR 1949-50

BENEFACTIONS. \$10,000 from Leung Yew, member of Court, for replacement of Univ. Mace lost during Japanese occupation of the Colony.

NEW BUILDINGS. Duncan Sloss Sch. of Engin. and Archit.

NEW POSTS. *Chairs:* Hist. (*vice* Readership), Zool. (*vice* Readership in Biol.), Soc. Med., Archit. *Readerships:* Philos., Geog., Stats. *Sr. Lectureships:* French, Linguistics, Appl. Maths., Phys., Physical Chem., Org. Chem., Bot., Med., Pædiatrics, Orthop. Surg., Obstet. and Gynæcol., Anaesthetics, Bacteriol. *Lectureships:* Geog., Geol., Economics and Pol. Sci. (2), Sociol., Portuguese, Cantonese, Educn. (2), Statistical Maths., Zool., Pharmacol. and Therapeutics, Civil Engin. (2), Archit., Lectureship and Supervisorship in Social Study. *Asst. Lectureships:* Hist., Philos., Maths., Phys., Chem., Med. Directorship of Physical Training.

NEW DEPARTMENTS. Mod. Langs., Social Study, Philos., Geog. and Geol., Soc. Med., Med. Research, Archit.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. W. Simon (London); Prof. G. Haloun (Cambridge); Prof. E. D. Edwards (London), Prof. R. E. Turner (Yale); Prof. J. N. Wright (St. Andrews); Prof. T. E. Jessop (Hull); Dr. I. A. Richards (Cambridge); F. J. Daniells (London).

RETIREMENTS. Prof. Ma Kiam (Chinese); Mrs. Marie E. M. Ring (Librarian); Mrs. Jeanne E. Faïd (Maths.); F. Weller (Workshop Instr.).

RESIGNATION. Dr. J. C. Tsao (Psychol.), on appt. to staff of Academia Sinica.

DEATHS. Prof. J. K. Rideout (Chinese); Ho Kam Tong (life-member of Court).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	450
Women	7	179
Total	9	629

Included in the above are 1 postgraduate student, 149 first-year, 25 second-year, 10 third-year, and 5 fourth-year admissions.

DEGREES. B.A., 37 war-time, 1 of 1941, 9 of 1950 (total 47); B.Sc. (Eng.), 26 war-time, 1 of 1941, 7 of 1950 (total 34); M.B., B.S., 15 war-time, 14 of 1949, 12 of 1950 (total 41); M.S., 1; B.Sc., 1 war-time, 2 of 1950 (total 3).

UNIVERSITY OF MALAYA *

Founded 1949

Postal Address : Singapore 10.

Cables : Univmalaya, Singapore.

Telephone : Singapore 5373.

CHANCELLOR—The Rt. Hon. MALCOLM MACDONALD, P.C., M.A., LL.D.

PRO-CHANCELLORS—DATO ONN BIN JA'AFAR ; Sir HAN HOE LIM, C.B.E., M.B., Ch.B.

VICE-CHANCELLOR—Sir 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.

TEMPORARY LIBRARIAN—Mrs. T. KENNARD, M.A. Oxon.

DEAN, FACULTY OF MEDICINE—DESMOND W. G. FARIS, C.B.E., M.B. B.S., D.P.H.

TEACHING STAFF

Anæsthetics, v. infra

Anatomy, v. infra

Bacteriology, v. infra

Biochemistry, v. infra

Botany

Holttum, R. E., M.A., D.Sc. Camb.

Prof.

Carrick, J., B.Sc. Glas. Lectr.

Enoch, I. C., B.Sc. Wales
Asst. Lectr.

Chemistry

Robinson, R. A., Ph.D. Birm.,

D.Sc. Birm. and N.Z., F.R.I.C.

Prof.

Leong, P. C., Ph.D. Camb.,

Dip.Sc. Sr. Lectr.

Green, R. W., M.Sc. Lectr.

Huang, R. L., B.Sc. Hong Kong,

D.Phil. Oxon. Lectr.

Svasti, M. C. S., Ing.T.I.C.M.
Brussels Asst. Lectr.

Dentistry, v. infra

Dermatology, v. infra

Economics

Silcock, T. H., M.A., D.Phil. Oxon.

Prof.

Lim, T. B., M.A. Camb., Dip.Arts

Lectr.

You, P. S., B.Sc. (Econ.), Ph.D.

Lond. Lectr.

Sherwood, P. W., B.Com. Lond.

Lectr.

Lim, C. S., B.Sc. (Econ.), M.A.

Northwestern Asst. Lectr.

Education

Mason, F., M.A. Camb. Prof.

Stewart, W. D. S., M.A., LL.B.,

Ed.B. Glas. Lectr.

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

Kaye, B. L. B., B.Sc. (Econ.),
Ph.D. Lond. Lectr.

English

Morrell, R. C. R., M.A. Camb. Prof.

Evans, E. C., B.A. Wales and
Oxon. Lectr.

Anderson, P. J. M., M.A. Oxon.
and Col. Lectr.

Assistant Lecturers

Painter, A. B., B.A. Camb.

Barker, M. B., M.A. Lond. and
Edin.

Copley, J., M.A., Dip.Ed. Leeds.

Geography

Dobby, E. H. G., B.A., Ph.D.
Lond. Prof.

..... Lectr.

Ho, R., M.A. Lond., Dip.Arts
Lectr.

Dix, E. S., B.S. Penn., M.A. Clark
Visiting 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., M.A. Camb.
Lectr.

Sadka, E., B.A. Oxon.
Asst. Lectr.

Mathematics

Oppenheim, A., B.A. Oxon, Ph.D.
Chic. (Maths.)

Hd. of Dept., Prof.

Cooke, J. C., M.A., Dip.Ed. Oxon.
(Appl. M.) Prof.

Lecturers

Diananda, P. H., B.Sc. Lond.,
B.A., Ph.D. Camb.

Guy, R. K., M.A. Camb., Dip.E.
Birm.

Menon, K. M. R., B.A., B.L. Madr.

Medical Jurisprudence, v. infra

Medicine, v. infra

Medicine, Clinical, v. infra

*Midwifery and Gynæcology, v.
infra*

Ophthalmology, v. infra

Oto-Rhino-Laryngology, v. infra

Pædiatrics, v. infra

Parasitology, v. infra

Pathology, v. infra

Pharmaceutics

Caldwell, A. F., B.Pharm. Lond.

Sr. Lectr.

Elliott, T. H., B.Sc. S.A. Lectr.

Hanam, J., Dip.Pharm.

Asst. Lectr.

Physics

Alexander, N. S., M.Sc. N.Z., Ph.D.
Camb. Prof.

Webb, C. G., B.Sc. Lond.

Sr. Lectr.

Hon, Y. S., B.Sc. Lond., M.Sc.

Lectr.

Hoisington, R. W. R., B.Sc.

Asst. Lectr.

Physiology, v. infra

Psychological Medicine, v. infra

Radiology, v. infra

*Social Medicine and Public
Health, v. infra*

Surgery, v. infra

Venereal Diseases, v. infra

Zoology

Purchon, R. D., B.Sc., Ph.D. Brist.
Prof.

Chuang, S. H., M.Sc. Brist. Lectr.

Johnson, D. S., M.A. Lond. Lectr.

Dentistry

Tickle, R. J. S., D.D.S. Tor., M.Sc.
(D. Surg.) Prof.

..... (Conservative D.) Prof.
Lecturers

Oehlers, F. A. C., L.D.S. (D.
Pathol.).

Cole, G. F. R., B.D.Sc. Melb.,
D.D.S. Tor. (D. Surg.).

Jansen, J. A., L.D.S. (Prosthetic
D.).

Part-time Lecturers

Lim, E. B., L.D.S. (Spec. D. Anat.).

Vellamy, K., L.M.S. (Surg.).

Medicine

Anæsthetics

Morrison, E., M.B., Ch.B. Dub.,
D.A. Pt.-time Lectr.

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.

Chang, Mrs. K. A., M.B., Ch.B.
N.Z., D.O.M.S. Asst. Lectr.

Bacteriology

..... Prof.
Lim, K. A., B.Sc., M.B., Ch.B.
Edin. Lectr.

Biochemistry

Lugg, J. W. H., D.Sc. W.Aust.,
Ph.D. Lond., D.I.C., F.R.I.C.
Prof.

Oliveiro, C. J., L.M.S. Sr. Lectr.

Dermatology

..... Pt.-time Lectr.

Medical Jurisprudence

Da Silva, L. S., Dip.Bact. Manc.,
L.M.S. Pt.-time Lectr.

Medicine

Ransome, G. A., F.R.C.P. Prof.
Danaraj, T. J., M.D., L.M.S.
Tutor.

Medicine, Clinical

Monteiro, E. S., M.D., D.C.H.
Lond., L.M.S., F.R.F.P.S.
Glas. Prof.

Loke, T. P., M.B., B.S. Lond.,
D.T.M. & H. Eng.
Lectr. and Chief Asst.

Khoo, O. T., L.M.S.

Midwifery and Gynæcology

Sheares, B. H., L.M.S. Prof.

Oon, C. S., L.M.S. Tutor.

Ophthalmology

Williamson, A. D., M.B., Ch.B.
Glas., D.O.M.S. Lond.,
F.R.C.S.Ed. Pt.-time Lectr.

Oto-Rhino-Laryngology

Au, K. H., L.M.S. Pt.-time Lectr.

Pædiatrics

Haridas, G., M.D., L.M.S.
Pt.-time Lectr.

Parasitology

Sandosham, A. A., Ph.D. Lond.,
L.M.S. Prof.

Pathology

..... Prof.
Subrahmanyam, C., L.M.S.
Actg. Hd. of Dept., Sr.
Lectr.
Balasingham, T., L.M.S. Sr. Lectr.
Shanmugaratnam, K., L.M.S.
Pt.-time Lectr.

Physiology

Glaser, E. M., M.D. Bratislava,
Ph.D. Jena Prof.
Lin, R. C. Y., B.Sc. Peking, Ph.D.
Camb. Lectr.
Wadsworth, G. R., M.B., Ch.B.
Liv. Lectr.
Lee, T. S., Dip.Sc. Lectr.
Toh, C. C., Dip.Sc. Asst. Lectr.

Psychological Medicine

Browne, J., M.D., Ch.B., B.A.O.
Belf. 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.
Belf., B.Sc., D.P.H. Prof.

Nicholas, W. A., M.P.H. Johns H., L.M.S. Sr. Lectr.	Falconer, C. D., M.B., Ch.B. Edin., F.R.C.S Ed. Lectr. and Chief.
Millis, Jean, M.Sc. Melb. Lectr.	Khong, B. T., L.M.S. Tutor.
Danaraj, Mrs. W., L.M.S. Lectr.	Cohen, Y., L.M.S. Tutor.

Surgery

Mekie, D. E. C., M.B., Ch.B. Edin.,
F.R.C.S.Ed. Prof.

Venereal Diseases

Ram, L. M., M.B., B.S. Panj.,
D.P.H. Lond. Pt.-time Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars : H. D. Lewis, Dip.Arts ; Foo Yeow Yoke, Dip.Arts ;
Asst. Bursar : Lim Chee Poe ; Supervisor of Hostels : ;
Supervisor of Works : Mr. Menon.

GENERAL INFORMATION

The University was established by Ordinances of the Government of the Federation of Malaya and of the Colony of Singapore in April 1949, and Foundation Day was Oct. 8, 1949. It was formed by the fusion of the two existing Colls. in Singapore, The King Edward VII College of Medicine and Raffles College, and teaching began as a full Univ. in Session 1949-50.

The bldgs. of the 2 former Colls. are being used 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 H.M. Govt. as a contribution towards the capital cost, and a public appeal was launched in April 1949. The Appeal Fund now stands at approx. £466,000. The Univ. is thus physically separated into 2 pts., the former Raffles Coll. containing the Admin. Offices and the Facs. of Arts and Sci., and the former Coll. of Med. containing the Fac. of Med.

LIBRARY. The Library is housed in 2 divisions. Medical books are located in the former Coll. of Med. bldgs. and books relating to Arts and Science Facs. are housed in the former Raffles College buildings. The library is being built up rapidly and proposals are now under consideration for a new library bldg. Microfilm equipment has already been installed.

FACULTIES AND DEANS. Arts, Prof. T. H. Silcock (Econ.) ; Science, Prof. R. A. Robinson (Chem.) ; 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 Philosophy 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 2 yrs.' practical work. Education (1 yr.), open to graduates. Regns. are being drafted for Dipls. in Public Health and Social Training.

FEES. Tuition, including Students' Union : for B.A. and B.Sc. courses, approx. £52 : 10s. p.a. ; M.B., B.S., and B.D.S., £63 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 : Dr. G. R. Wadsworth) ; Patterson Road Hostel (Warden :). For Women : Mount Rosie Hostel (Matron : Mrs. Khew) ; Holne Chase Hostel (Matron : Mrs. Brown). Fees in all hostels, £78 : 15s. (for 30 weeks).

PUBLICATIONS. *Calendar* (Sept.), 7s. ; *Annual Report*, 2s. 4d.

THE YEAR 1949-50

BENEFACTIONS. Appeal Fund, £466,000 ; includes approx. £54,000 for a Dept. of Engineering, and £29,167 for a Chinese Section of the Library. A large gift of books was received from Rotary Clubs throughout the U.K. under a scheme sponsored by Rotary International.

CHANGES IN REGULATIONS. A number of changes were made in the Regns. governing courses of study ; and Regns. were introduced to cover the new Diploma course in Education.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Walter Adams and Dr. Mouat Jones (Inter-University Council) ; L. Barnes (Oxford) ; Prof. R. Bradlaw (Royal College of Surgeons) ; Sir Alexander M. Carr-Saunders (London School of Economics and Political Science) ; Sir H. W. Florey (Oxford) ; Prof. S. Foorsman (Swedish National Institute of Public Health) ; Dr. W. L. Holland (Institute of Pacific Relations) ; Dr. Syed M. Hossain (Dacca) ; Dr. F. Cyril James (McGill) ; Prof. T. E. Jessup (Univ. Coll. of Hull) ; Prof. J. McKinnell (Natal) ; Prof. B. G. Magraith (Liverpool) ; Prof. J. N. Wright (St. Andrews).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. G. V. Allen (Vice-Chancellor) to Univs. in New Zealand and Australia ; Prof. E. H. G. Dobby (Geog.) to Yale.

RESIGNATIONS. Prof. E. K. Tratman (Dental Surg.), on appt. to Chair of Dental Surg. in Univ. Coll., London ; Prof. G. G. Hough (English), on appt. to special Lectureship in Johns Hopkins Univ. ; Dr. J. W. Black, on expiry of temp. appt. as Lectr. in Physiol. ; C. D. Cowan (Hist.) ; Dr. Lai Kuen Yee (Physiol.) ; Lim Chin Kuan (Chem.).

HONORARY DEGREES. *D.Litt.*—Dato Sir Roland Braddell, Sir Alexander M. Carr-Saunders, Sir Raymond Priestley ; *D.Sc.*—M. Jamieson ; *M.D.*—Prof. E. K. Tratman.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	531
Women	—	114
Total	—	645

Included in the above are 3 postgraduate students and 195 first-year admissions.

DEGREES. B.A. Pass, 26 ; B.A. Honours, 7 ; B.D.S., 6 ; M.B., B.S., 14 ; M.D., 1 ; B.Sc. Pass, 11 ; B.Sc. Honours, 5 ; M.Sc., 2.

THE ROYAL UNIVERSITY OF MALTA*

Founded 1769

Postal Address : St. Paul Street, Valletta.

Telephone : Central 4201, Valletta 3217.

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—E. SERRACINO INGLOTT.

FINANCE OFFICER—G. SOLER.

TEACHING STAFF

Anatomy and Histology

Briffa, J., B.Sc., M.D. Prof.

Biology

..... Prof.

Chemistry

Farrugia, P., B.Sc., M.D. Prof.

Engineering and Architecture

Colombo, J., B.Sc., B.E. & A.
(Archit.) Prof.

Terreni, Lt.-Col. J., O.B.E., B.E.
& A. (Munic. Engin.) Prof.

Galea, V. R., M.A. Oxon., B.Sc.,
B.E. & A. (Civil Engin.) Prof.

English 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. (Canon L.)

Lectr.

Cremona, F., LL.D.

(Comml. L.) Prof.

Busuttill, E., B.A. Oxon and Malta,
B.Litt. Oxon., LL.D. (Inter-
nat. 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.

Harding, H., B.A., LL.D. (Hist. of
Legisln. in England and Malta)

Lectr.

Ganado, J. M., B.A., Ph.D. Lond.,
LL.D. (Roman L.) Lectr.

Xuereb, J. H., LL.D. (Science of
Law) Prof.

Maltese and Oriental Languages

Aquilina, J., Ph.D. Lond., B.A.,
LL.D. Prof.

Mathematics, Pure and Applied

Borg-Costanzi, E. J., B.A. Oxon.,
B.Sc., B.E. and A. Prof.

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

*Medicine and Surgery, v. infra**Philosophy*

Sapiano, Very Rev. J., Ph.D.,
S.Th.D., H.E.L. Rome Prof.

Physics

Zahra-Neumann, C., B.Sc., M.D.,
D.C.H. Prof.

Physiology and Biochemistry

Ganado, W., B.Sc. Lond. and
Malta, M.D. Prof.

Theology

Zarb, Very Rev. Fr. S. M., O.B.E.,
S.Th.M., S.Script.D. 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.

.....

(Patrology and Liturgy) Prof.
Tabone, Very Rev. Fr. P.
(Canon Law) 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.

Medicine

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

Anæsthetics

Podestà, C. H., B.Sc., M.D., D.A.
Lectr.

Bacteriology and Parasitology

Agius, E., B.Sc., M.D., D.P.H.
Liv., D.Bact. Lectr.

Diseases of the Ear, Nose, and Throat

Vella, S. L., B.Sc., M.D., F.L.S.
Lectr.

Forensic M. and Toxicology

Galea, J., M.B.E., M.D., D.P.H.
Lectr.

Materia Med., Pharmacol. and Therap.

Zammit-Maempel, J. V., M.D.
Prof.

Medicine

Debono, J. E., B.Sc., M.D.,
F.R.C.P. Prof.

Mental Diseases

Vassallo, V., M.D. Naples, D.P.M.
Prof.

Midwifery and Gynæcology

Stilon Depiro, V., M.D. Prof.

Ophthalmology

Damato, F. J., M.D., D.O. Oxon.,
F.R.C.S., D.O.M.S. Lectr.

Orthopædics

..... Lectr.

Pathology

..... Prof.

Social and Preventive Medicine

Coleiro, C., B.Sc., M.D., D.P.H.,
D.T.M. Liv. Prof.

Surgery

Craig, A. J., B.Sc., M.D., F.R.C.S.
Prof.

Venereology and Dermatology

Briffa, R., M.D. Lectr.

GENERAL INFORMATION

Founded in 1769 by Grandmaster Fra Emmanuel Pinto de Fonceca 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.

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 1949-50

NEW BUILDINGS. Reconstruction of Chemical and Hygiene labs., damaged by enemy action, in progress.

HONORARY DEGREE. LL.D.—His Grace Mgr. Sir Michael Gonzi, Metropolitan Archbishop of Malta.

MALTA

1283

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	38	218
Women	10	12
Total	48	230

DEGREES, ETC. B.Sc., 23 ; B.A., 5 ; B.E. and A., 8 ; Lic.D., 7 ; M.D., 39 ; LL.D., 16 ; D.D., 1.

UNIVERSITY COLLEGE OF THE GOLD COAST*

Founded 1948

Postal Address : Achimota, Gold Coast.

Cables : Univcoll., Achimota.

Telephone : Achimota Exchange.

(London Office : 29 Tavistock Square, W.C.1. *Telephone* : Euston 2119.

Cables : Goldvercol, London).

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.B.E., M.A. Oxon.

BURSAR—W. D. RUSSELL.

LIBRARIAN—A. ELISE WALKER, F.L.A.

DEAN—Rev. J. N. DUCKWORTH, M.A. Camb.

TEACHING STAFF

Agriculture

Phillips, J. F. V., D.Sc. Edin. Prof.

Archæology

Lawrence, A. W., M.A. Camb.

Prof.

Davies, O., M.A. Oxon., D.Litt.

Dub.

Reader.

Collings, H. D., B.A. Camb.

Curator.

Botany

Boughey, A. S., B.Sc.Lond., Ph.D.

Edin.

Prof.

Lecturers

Adams, C. D., B.Sc. Lond.

Lerner, Mrs. Natalie H., M.Sc.

Cape T., Ph.D. Camb.

Lawson, G. W., B.Sc. Lond.

Oduro, R. Y., B.A. Camb.

Morton, J. K., B.Sc. Durh.

Booth, Mrs. Cynthia P., B.A.

Camb.

Chemistry

Graham, J., B.Sc., Ph.D. Lond.

Prof.

Lecturers

Torto, F. G. T. O'B., B.Sc., Ph.D.

Lond.

Higman, B., B.Sc., M.A. Oxon.

Friediger, A., B.Sc., Mag.Scient.

Copenhagen.

Hulme, R., B.Sc., M.A. Oxon.

Classics

Kidd, D. A., M.A. Aberd., B.A.

Camb.

Prof.

Howorth, R. H., M.A. Camb.

Reader.

Astley, Sir Francis, B.A. Oxon.

Lectr.

Loader, W. R., M.A. Camb. (Anc.

Hist.)

Sr. Lectr.

Appiah, L. H. O., M.A. Oxon.

Lectr.

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

Economics

Williams, J. W., M.Com. N.Z. Prof.
 Birmingham, W. B., B.Sc. (Econ.)
 Lond. Sr. Lectr.

Lecturers

Niculescu, B. M., M.A. Camb.,
 B.Sc. (Econ.) Lond.
 Bevin, H. J., B.Sc. (Econ.) Lond.
 Jackson, Rowena M., B.Com.
 Birm.
 Price, J. H., M.A. Oxon.

English

Walton, G., M.A., M.Litt. Camb.
 Sr. Lectr.
 Milne, E. M. M., D.F.C., M.A.
 Aberd., B.A. Camb. Lectr.
 Lerner, L. D., M.A. Cape T., B.A.
 Camb. Lectr.
 Andrews, H. J., B.A. Oxon.
 Res. Fellow.
 Stock, T. A., B.A. Oxon. Lectr.

French

Lawrenson, T. E., M.A. Manc.
 Sr. Lectr.
 Winterbottom, J. A., B.A. Lond.
 Lectr.

Geography

Varley, W. J., M.A. Wales, Dr.Phil.
 Copenhagen Prof.
Lecturers
 Hilton, T. E., M.A. Manc.
 Hubbard, J. H., B.A. Oxon.
 Boateng, E. A., B.A. Oxon.
 Clayton, R. W., B.A. Sheff.

Geology

McCallien, W. J., D.Sc. Glas. Prof.
 Brückner, W. D., Dr.Phil. Basle
 Lectr.
 Anderson, M. M., B.Sc. Wales
 Lectr.

History

Lecturers
 Hamilton, Mrs. Bernice M., B.A.,
 Ph.D. Lond.
 Fage, J. D., M.A., Ph.D. Camb.
 Metcalfe, G. E., B.A. Oxon.

Lander, J. R., M.A., M.Litt. Camb.

Mathematics

Blaney, J. H., M.Sc., Ph.D. Lond.
 Prof.
 Campbell, M. O'N., B.A. Camb.
 Lectr.
 Clarke, L. E., M.A. Camb. Lectr.

Philosophy

Taylor, D., M.A. W.Aust., B.A.
 Oxon. Prof.
 Grant, L. B., M.A. Melb. Lectr.
 Buck, R. C., B.Phil. Oxon. Lectr.

Phonetics

Lecturers
 Strevens, P. D., B.A. Lond.
 McCallien, Mrs. Catherine, M.A.
 Glas.
 Spicer, A., B.A. Lond.

Physics

Huntley, H. E., B.Sc. Brist., Ph.D.
 Rand. Prof.

Lecturers

Ward, L., M.Sc. Sheff.
 Koster, Rev. J. R., M.Sc. De Paul.
 Burns, D. M., B.Sc. St. And.
 Ward, A. H., B.Sc., Ph.D. Birm.

Sociology

Busia, K. A., B.A. Lond., M.A.,
 D.Phil. Oxon. Sr. Lectr.
 Tait, D., B.A. Lond. Lectr.
 Kurankyi-Taylor, E. E., M.A.,
 B.C.L. Durh., LL.B. Manc.
 (Legal Studies) Lectr.

Theology

Hickinbotham, Rev. J. P., M.A.
 Oxon. Prof.
Senior Lecturers
 Baeta, Rev. C. G., C.B.E., B.A.
 Lond.
 Williamson, Rev. S. G., M.A.
 Birm.

Zoology

Edwards, E. E., M.Sc. Lond.,
 D.Sc. Wales Prof.

Senior Lecturers		Graft-Johnson, J. C. de, B.Com., M.A., Ph.D. Edin.
Bassindale, R., M.Sc. Sheff. (Ma- rine)		Resident Tutor.
(Seconded from Univ. of Bristol.)	Tordoff, W., B.A. Camb.	Resident Tutor.
Tazelaar, Mary A., M.Sc. Lond.	Jones-Quartey, K. A. B., M.A. Col.	Editor.
Lecturers	Davison, R. B., B.Sc. (Econ.) Lond.	Resident Tutor.
Stride, G. O., B.Sc. Brist.		
Belfield, W., B.Sc. Manc.		
Booth, A. H., B.A. Camb.		
Extra-mural Studies		Institute of Education
Kimble, D., B.A. Reading.	Lewis, L. J., B.Sc. Wales.	Dir.
(Seconded from Univ. of Oxford, Delegacy of Extra-mural Studies)	Lecturers	
Dir.	Grieve, D. W., M.A. Oxon. (Method of Teaching Langs.).	
Bown, Lalage, B.A. Oxon.	Treleaven, Mrs. Hilda, M.A. Liv. (Method of Teaching Geog.).	
Resident Tutor.	Taylor, A., M.A. N.Z. (Educnl. Psychol.).	
Austin, D. G., B.A. Lond.		
Resident Tutor.		

ADMINISTRATIVE AND OTHER STAFF

Medical Officer, J. M. Wilson, M.D., D.T.M. & H. Asst. Bursar, S. Grey. Asst. Registrars, C. W. C. Beasley; A. Wainwright, B.Com. Liv.; A. M. Reeder, B.A. Oxon.; J. H. Tomson, B.A. Wales. Dep. Librarian, Marjorie E. Heron, B.A. Lond., F.L.A. Library Cataloguers: Olive Carpenter, B.A. Lond.; W. M. Martin. Accountant, F. G. Vanderweele. Supervisor of Works, J. F. G. Smalridge. Manciple, G. A. Deegan. Bookshop Manager, R. E. Brammah. Sec. to Inst. of Education, Rosemary M. Cave.

LONDON OFFICE. Mrs. Sheila W. Leach, B.A. Lond., Asst. Registrar.

GENERAL INFORMATION

This is a non-govt. institution incorporated by the University College of the Gold Coast Ordinance, 1948. Nominations to the College Council are made by the Governor in Council, the Territorial Councils of Chiefs, and the Academic Bd. The Coll. 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 Coll., which is housed meanwhile in a part of Achimota Sch. bldgs. An initial grant of £896,000 was made by the Gold Coast Cocoa Marketing Bd. and a further million pounds has been guaranteed by the Govt. Annual revenue is voted quinquennially by the Legislative Assembly.

Messrs. Harrison, Barnes & Hubbard have been appointed Architects to the Coll.

ADMISSION. Entrance is by annual competitive examn. Candidates must be exempt from Matricn. (approximate standard Sch. Certif. with 6 credits).

DEGREE COURSES are provided for Hons., Spec. and General London Degrees in Arts, Sci., Div., and Econ. Graduate students and full-time teaching officers of the Coll. may register for the Ph.D. degree of London.

FEES. Inclusive fee for tuition and residence, £100 p.a.

The **LANGUAGE OF INSTRUCTION** is English. Non-members of the Coll. not admitted to classes. All students required to reside full-time.

The **INSTITUTE OF EDUCATION** gives internal courses for postgraduate Dipl. and non-graduate Associate Certif. (for experienced teachers only).

TERMS. Michaelmas: Oct. to Dec. Lent: Jan. to March. Trinity: April to June.

THE YEAR 1949-50

The first Intermediate examinations in Arts and Science were held under the Special Relationship. Passes: Arts 13, Science 15.

BENEFACTIONS. One million pounds from Gold Coast Cocoa Marketing Bd. for the development of Agric. and associated Sciences.

RETIREMENT. Miss V. J. Foote (on completion of contract).

RESIGNATION. W. W. Sawyer (on appt. to Canterbury Coll., Univ. of New Zealand).

STUDENTS. Men 109, women 3, including 45 first-year admissions.

UNIVERSITY COLLEGE, IBADAN*

NIGERIA

Founded 1948

Postal Address : Ibadan, Nigeria.

Cables : University, Ibadan.

Telephone : Ibadan 210.

CHAIRMAN OF PROVISIONAL COUNCIL—Sir SYDNEY PHILLIPSON, C.M.G.,
M.A. Manc.

PRINCIPAL—K. MELLANBY, O.B.E., Ph.D. Lond., Sc.D. Camb.

REGISTRAR—W. A. HUSBAND, B.Com. Durh.

ASST. REGISTRAR (Academic)—.....

ASST. REGISTRAR (Finance)—H. PRESTON.

WARDEN—K. S. LAMBERT, F.L.A.

LIBRARIAN—W. J. HARRIS, B.A. Oxon.

TEACHING STAFF

Agriculture, v. infra

Biology

Elgood, J. H., M.A. Camb.
Sr. Lectr.

Botany

Sansome, F. W., Ph.D. Edin.,
F.L.S. Prof.

Savory, H. J., B.Sc. Brist.
Sr. Lectr.

Njoku, E., B.A. Lond., M.Sc.
Manc., F.L.S. Lectr.

..... Lectr.

Chemistry

McIlroy, R. J., M.Sc. N.Z., Ph.D.
Birm., F.R.I.C. Prof.

Lecturers

England, B. D., M.Sc. N.Z., Ph.D.
Lond.

Hirst, J., Ph.D. Lond.

Foley, A. J., B.A., B.Sc. N.U.I.

Baker, A. F., M.Sc. N.Z.

Classics

Cadle, E. A., M.A. Camb.

Sr. Lectr.
McKay, K. L., B.A. Syd. and
Camb. Lectr.

Assistant Lecturers

Hands, A. R., B.A. Oxon. (Anc.
H.).

Bradshaw, A. T. von S., B.A. Dub.

English

Christophersen, P. H., Ph.D.
Camb., Dr.Phil. Copenhagen
Prof.

Robinson, E. H., M.A. Camb.

Lectr.
Stein, Rachel, B.A. Wales, B.Litt.
Oxon. Lectr.

Green, Joyce M., B.A. Brist. Lectr.

Brosnahan, L. F., M.A. N.Z. Lectr.

Parsons, Leila, M.A. Lond.

Asst. Lectr.

Geography

Garnier, B. J., M.A. Camb. Prof.

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

Pugh, J. C., M.A. Camb. Lectr.
 Prothero, R. M., M.A. Wales Lectr.
 Mitchel, N. C., M.A. Belf. Lectr.
 Pugh, Margaret, M.A. Camb. Lectr.
 Temp. Asst. Lectr.

History

Potter, C. J., M.A. Camb. Sr. Lectr.
 Lectr.
 Copeland, Jean L., M.A. Lond. Lectr.
 McPherson, Jean M., B.A. Lond. Asst. Lectr.

Mathematics

Atkinson, F. V., M.A., D.Phil. Oxon. Prof.
 Braithwaite, G., M.A. Camb. Sr. Lectr.

Lecturers

Jaeger, A., Dr.rer.nat. Göttingen.
 Obi, C., M.Sc. Lond., Ph.D. Camb.
 Denniston, R. H. F., M.A. N.Z., Ph.D. Camb.

Assistant Lecturers

Fuller, T., B.A. Oxon.
 Weale, T. G., M.Sc. Lond.

*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., Ph.D. Lond., F.L.S. Lectr.

Physics

..... Prof.
Lecturers
 Wright, R. W. H., Ph.D. Lond.
 Bastin, E. W., M.Sc. Lond.
 Brown, R. A., B.Sc. Lond. Asst. 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., Ph.D. Lond. Prof.
 Elgood, J. H., M.A. Camb. Sr. Lectr.
 Webb, Gwenlilian C., B.Sc. Lond. Lectr.
 Harris, V. A. P., B.Sc. Lond. Asst. Lectr.

Agriculture

..... Prof.
Lecturers
 Sawyer, J. C., B.Sc. Reading (Agric. Bot.).
 Hill, D. H., D.V.M. Tor. (Animal Husbandry).
 Nye, P. H., M.A., B.Sc. Oxon. (Soil Sci.).
 Ebes, K., Dr.Ir. Wageningen (Trop. Agric.).
 Caswell, J. H., B.Sc. Lond. (Agric. Entomol.).
 Jackson, R. M., B.Sc. Lond. (Plant Pathol.).
 (Agric. Econ.).

*Medicine**Anæsthetics*

..... Lectr.

Anatomy

Smith, A. Prof.
 Sr. Lectr.
 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. Lectr.

Obstetrics and Gynaecology

Walker, A. H. C. Prof.
..... Sr. Lectr.
Medine, S. M., M.D., C.M. McG.
Lectr.

Pathology

Silvera, W. D., M.B., Ch.B.,
F.R.C.P.Ed. Sr. Lectr.
Edozien, J. C., B.Sc. Lond. (Clin.
Biochem.) Lectr.
..... (Bacteriol.) Lectr.

Pharmacology

Broadbent, J. L., M.D. Leeds
Lectr.

Physiology

Parsons, T. R., B.Sc. Lond., M.A.
Camb. Prof.
Nicol, D. S. H., M.A., M.B., B.Ch.
Camb. Lectr.
Dosekun, F. O., B.A. Dub., B.Sc.
Lond., F.L.S. Lectr.

Preventive and Social Medicine

Ajose, O. A., M.D. Glas., D.P.H.
Prof.

Radiology

..... Lectr.

Surgery

Joly, Beatrice M., M.D. Lond.,
F.R.C.S.Ed. Prof.
Konstam, P. G., M.D. Frankfort,
F.R.C.S.Ed. Sr. Lectr.
Thomas, H. O., M.B., Ch.B. Birm.,
F.R.C.S. Lectr.

Extra-mural Studies

Gardiner, R. K. A., B.A. Camb.,
B.Sc. (Econ.) Lond. Dir.
..... Visual Aids Organizer.

Tutors

Beier, H. U., B.A. Lond.
Bradfield, J. E. D., B.Sc. (Econ.)
Lond.
Reid, D. I., B.A. Camb.
Williams, R. D., B.A. Camb.

*W. African Institute of Social and
Economic Research*

Whyte, W. H., M.A. Leeds Dir.
Research Fellows
Dike, K. O., M.A. Aberd., Ph.D.
Lond.
Lloyd, P. C., B.A. Oxon.
Martin, Anne, B.A. Oxon.
Rowan, D. C., B.Sc. (Econ.) Lond.
Williams, P. M., B.A. Lond.

ADMINISTRATIVE AND OTHER STAFF

Domestic Bursar : T. A. Adelaja ; Maintenance Officer : H. W. Thwaites ;
Electrical Engineer : C. C. Cheffins ; Motor Transport Officer : N. G. Brebner ;
Setting-out Engineer : V. S. C. Price ; Dep. Librarian : E. Jessie Carnell,
F.L.A. ; Chief Cataloguer : Doris K. Forsythe, B.A. Belf., F.L.A. ; Reference
Librarian : Margaret Hall, M.A. N.Z. ; Principal's Sec. : N. Joyce Chamber-
layne, B.A. Oxon. ; London Representative : Fiona T. Handley, B.A. Lond. ;
Chief Clerks : V. E. Orija (Admin.), M.A. Ogunleye (Acad.), E. Aniteye
(Finance) ; Sec. to West African Inst. of Social and Econ. Research : D. N.
Leich, M.A. Camb.

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 Jan. 1948, and in Sept. 1948 the Provisional Council was incorporated by Government Ordinance. A grant has been made under the Colonial Develop-

ment 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 has been launched.

LANGUAGE OF INSTRUCTION: English.

ADMISSION. Students are required to pass the College Entrance Examn., for which they are ordinarily eligible only if they have passed the Cambridge School Certif. and have attained a standard equivalent to that required for exemption from London Matricn. under the Regns. in force before April 1951.

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.

VACATION COURSES, involving residence in the Coll., are conducted during the Long Vacation by the Extra-mural Dept.

The **APPOINTMENTS BOARD** (Sec., K. S. Lambert, F.L.A.) makes arrangements for sending students overseas for supplementary courses.

LIBRARY. Over 60,000 vols. in Arts, Sciences, Med. and Agric.; subscribes to 8000 current journals. Special collections include W. African Hist. and Ethnol., Trop. Agric. and Trop. Med. The Library is legal depository for all Nigerian publications.

A new **TEACHING HOSPITAL** is under construction; at present medical teaching is carried out in one Govt. and one Native Admin. Hospl.

The **WEST AFRICAN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH** is associated with the Univ. Coll.

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 **STUDENT HEALTH SERVICE** is under the supervision of the Prof. of Med.

The **UNION** controls all student athletic and other extra-curricular activities. Student officers are elected terminally.

PUBLICATIONS. *Calendar* (annual, 3s. 6d.); *Annual Report*; *Library Record* (monthly); *University Herald* (student; terminal).

THE YEAR 1949-50

NEW BUILDINGS. The main pt. of the Coll. is still housed in temp. bldgs., but work on the permanent site began, and some of the labs. for pre-clin. teaching and for Agric. were completed.

NEW DEPARTMENT. Religious Studies.

EXTRA-MURAL WORK. 59 classes were started in many different areas in Nigeria. Residential Courses were held in the Coll. on "Local Govt." and "Adult Education."

STUDENTS. Total : 298, including 10 women, all full-time undergraduates.

MAKERERE COLLEGE THE UNIVERSITY COLLEGE OF EAST AFRICA*

Postal Address : P.O. Box 262, Kampala, Uganda.

Telegraphic Address : Makcol, Kampala.

Telephone : Kampala 2471.

VISITOR—H.E. Sir JOHN HATHORN HALL, G.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—BERNARD DE BUNSEN, M.A. Oxon.

VICE-PRINCIPAL—F. L. GEE, M.A. Oxon.

REGISTRAR—Lt.-Col. A. SCRAGG, M.C.

LIBRARIAN—JULIE E. I. LARTER, B.A. Lond., F.L.A.

TEACHING STAFF

Agriculture

Wilson, F. B., M.B.E., M.A. Camb.,
Dip.Agric. Camb., A.I.C.T.A.
Prof., Dean Fac. of Agric.

Pt.-time Lecturers†

Mills, W. R., B.Sc., Dip.Agric.Sc.
Camb. (Agric. Chem.).

Micheltmore, A. P. G., M.A.,
F.R.E.S. (Entomol.).

Downie, D. L., B.Sc. Edin. (Plant
Breeding and Experimental
Method).

Sangster, R. G., B.Sc. Aberd.
(For.).

Watson, J. M., M.A. Camb., Dip.
Agric. Camb., A.I.C.T.A.
(Practical Training).

Art School

Trowell, Mrs. K. Margaret, M.B.E.
Sr. Lectr., Hd. of Sch.

Maloba, G. P. Asst. Lectr.

Ntiro, S. J. Art Asst.

Wandera, P.

Craft Instr.

Biology

Beadle, L. C., M.A. Camb.

Prof., Dean Fac. of Sci.

Calder, E. A., B.Sc. Leeds Lectr.

Milburn, T. R., B.Sc. Durh.

Asst. Lectr.

Buxton, A. P., B.A. Camb.

Asst. Lectr.

Chemistry

Tenniswood, C. R. S., M.Sc. Durh.,

F.R.I.C. Prof.

Naylor, R. F., Ph.D., B.Sc. Lond.,

D.I.C., F.R.I.C. Lectr.

Peal, W. J., B.Sc. Lond.

Asst. Lectr.

Education

Lucas, E. A., M.A. Camb. Prof.

Gale, H. P., B.A. Lond. Sr. Lectr.

Graham, Miss P. M. Margaret,
M.A. Oxon., M.Ed. Lond.

Pt.-time Sr. Lectr.

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

† Seconded by Govt. Agric. Dept.

Bolland, R. W., B.Sc., Ph.D. Lond.,
F.R.I.C. Lectr.
McAdam, Mrs. Hrothgarde L. M.,
M.A. Camb. Lectr.

Makumbi, T., B.A. Camb.
Headmaster, Demonstration Sch.

English

Warner, A. J., M.A. Camb. Prof.
Greenslade, B. D., B.A. Lond. Lectr.

Macpherson, A. G., M.A. Oxon.
Pt.-time Lectr.

Macpherson, Mrs. Margaret, M.A.
Oxon. Lectr.

Wilshire, A. D., B.A. Lond.
Asst. Lectr.

Geography

Baker, S. J. K., M.A. Liv.
Prof., Dean Fac. of Arts.

Ford, V. C. R., M.A. Lond., A.K.C.
Lectr.

Carney, Rev. Father G., M.A.
Camb. Pt.-time Lectr.

History

Ingham, K., M.C., M.A., D.Phil.
Oxon. Lectr.

Low, D. A., B.A. Oxon.
Asst. Lectr.

Mathematics

Hudd, Mrs. Mildred E. M., B.Sc.
Wales Lectr.

Khabaza, I. M., B.A. Nott.
Asst. Lectr.

Physics

Gee, F. L., M.A. Oxon. Reader.
Assistant Lecturers

Beadle, Mrs. Lesley, B.Sc. Lond.

Thomson, D. M., B.A. Camb.

Harrison, L. E., M.A. Camb.

Social Studies

Powesland, P. G., B.A. Brist.
(Econ.) Lectr.

Goldthorpe, J. E., M.A. Camb.,
B.Sc. (Econ.) Lond. (Sociol.)
Lectr.

Engholm, G. F., B.Sc. Lond.
(Publ. Admin.) Asst. Lectr.

Medical School

Anæsthetics

Hudd, H. R., B.Sc., M.B., B.Ch.,
D.A. Pt.-time.*

Anatomy

Galloway, A., M.B.E., M.A., M.B.,
Ch.B. Aberd., D.Sc. Rand.,
F.R.S.S.A.

Prof., Dean Fac. of Med.

Dental Surgery

Asplet, P. R. Pt.-time.

Gynæcology and Obstetrics

Rendle-Short, Coralie, M.B., Ch.M.
Brist.

Holmes, G., M.B., B.S. Pt.-time.*

Medicine

Williams, A. W., M.D., D.T.M. &
H., M.A.

*Pt.-time **

Trowell, H. C., M.D., B.S., F.R.C.P.

Campbell-Young, G. C., D.P.M.

Muwazi, E. M. K., Dip. Med.

Ophthalmology

Boaze, A. J., D.O.M.S. Pt.-time.*

Pathology

Davies, J. N. P., M.D.

*Pt.-time **

Raper, A. B., B.Sc., M.D., Ch.B.

Elmes, B. G. T., M.D., F.R.C.P.
Ed.

Musoke, L., Dip. Med.

Graduate Demr.

Pharmacy

Musson, E. Pt.-time.*

Physiology

Holmes, E. G., M.A., M.D. Camb.
Prof.

Stanier, Margaret W., M.A. Oxon.
Lectr.

* Seconded by Govt. Medical Service.

Surgery

Croot, H. J., M.B., B.S., F.R.C.S.
 Pt.-time *
 McAdam, I. W. J., M.B., Ch.B.,
 F.R.C.S.
 Burkitt, D. P., M.D., Ch.B.,
 F.R.C.S.
 Mowat, A., M.B., Ch.B., F.R.C.S.,
 D.T.M. & H.

Veterinary School

(P.O. Kabete, Kenya. Telephone :
 Kabete 238)

Polding, J. B., Ph.D., B.Sc. (Clin.
 Vet. Sci.)
 Prof., Dean of Fac.

Odede, F. W. (Vet. Anat.)

Asst. Lectr.

Pt.-time †

Animal Management

Thorold, P. W.

Biochemistry

Burdin, M. L.

Histology

Plowright, W.

Nutrition

French, M. H.

Physiology

Fienes, R. N.

Fitzpatrick, M. J.

ADMINISTRATIVE AND OTHER STAFF

Bursar, J. E. Burrough. Academic Assistant Registrar, P. F. Vowles, M.A. Dean of the College, A. G. Macpherson, M.A. Wardens: Men Students, Rev. F. B. Welbourn, M.A. Camb., E. A. Calder, B.Sc.; Women Students, P. Margaret M. Graham, M.A., M.Ed. Assistant Librarians, Johanna Bouman, B.A. Stell, Dip.Lib. Cape T., F.S.A.L.A., E. J. Belton, B.A. Oxon. Chaplains, Rev. Father G. Carney, M.A. Camb. (Catholic), Rev. F. B. Welbourn, M.A. Camb. (other branches of the Church).

GENERAL INFORMATION

Makerere College was founded in 1922 as a Technical Sch. under the Educn. Dept. of Uganda Admin. It rapidly broadened its educational aims and raised its standard of work, for even in quite early yrs. its potentialities as a centre for advanced educn. were not ignored. Following the De la Ware Report in 1937, which pointed to the future of the Coll. as a centre of higher studies in E. Africa, under the inspiration of Sir Philip Mitchell the Coll. was presented with land and an endowment and a nucleus of its bldgs. Work on the present admin. block was inaugurated by H.R.H. the Duke of Gloucester, and the block with its twin chapels was completed in 1941. Support and benefactors from African and European sources have consolidated the inter-territorial status of Makerere. On the recommendation of the Asquith Commission in 1945 it was definitely decided that the Coll. should become the centre of Univ. studies in E. Africa. A Scheme of Special Relationship with the Univ. of London was entered into at the end of 1949, whereupon the Coll. assumed its present title. Courses leading to the General Degrees of the Univ. of London in Arts and Sci. started at the beginning of 1950.

The govt. and admin. of the Coll. follow the provisions of the Makerere College Act, 1949, and so far as these are applicable, the established practices and conventions of English Civic Univs.

* Seconded by Govt. Medical Service.

† Seconded by Govt. Veterinary Service.

The policy of the Coll. is that it shall be open to all students, regardless of race, colour, and religion, who have the academic qualificns. nec. for admission. Entries are accepted from any of the E. African Territories, *i.e.* Kenya, Uganda, Tanganyika, and Zanzibar. Entries from N. Rhodesia and Nyasaland, as well as from the southern part of the Anglo-Egyptian Sudan, are also considered.

On admission to the Coll., students reside in one or other of the Halls of Residence: Mitchell Hall (accomm. 214 men students) or Northcote Hall (180 men students). There is one hostel for women students, which will accomm. approx. 12, and a new hostel is to be built for women which will accomm. 50 students. It is planned to build another Hall, similar to Northcote Hall, to accomm. a further 180 men students. At the Med. Sch., the bldgs. of which were formally opened in May 1951 by the Rt. Hon. the Secretary of State for the Colonies, there is accomm. for med. students in the clin. yrs. of their course. At Kabete, Kenya, there is accomm. for Vet. Sci. students.

A large building programme, financed by a grant of £1,100,000 from the Colonial Development and Welfare Act, is at present under way, consisting of a new Arts Block, Phys. Lab., Chem. Lab., Staff Houses, and the Halls of Residence mentioned above. When completed (it is hoped by 1955) the number of students accommodated will be 630, including 50 women.

LANGUAGE OF INSTRUCTION: English.

LIBRARIES. Main library, approx. 20,000 vols.; sub-library at Med. Sch., approx. 6000 vols.

There are 2 Chapels (the Chapel of St. Augustine for Catholics, and the Chapel of St. Francis for members of other branches of the Church) and a Mosque.

STUDENT ATHLETIC FACILITIES. The Coll. has its own playing fields, and there are facilities for athletics, football, hockey, cricket, tennis, boxing, and swimming.

A CADET CORPS has been in existence for some yrs.

ALUMNI SOCIETY. Makerere College Union Society. Further information from Sec., c/o The Dean, Makerere Coll.

The EAST AFRICAN INSTITUTE OF SOCIAL RESEARCH is administered by the Coll.; Dir., Dr. A. E. Richards. Its main function is field res. in Uganda, Kenya, Tanganyika, and Zanzibar, covering anthropological studies in particular tribes, or urban surveys and comparative studies of particular aspects of problems of interest to all E. African Territories in the field of sociol., econ., psychol., public admin. and law, and linguistic res.

The PHYSIOLOGICAL AND BIOCHEMICAL RESEARCH SCHEME—Dir., Prof. E. G. Holmes—was established in 1947 under the auspices of the Colonial Med. Res. Cttee. It gives res. facilities to staff of dept. of Physiol., and to certain visiting res. workers (at present 3, from the Med. Res. Council). The res. undertaken deals chiefly with nutrition and kindred subjects.

THE YEAR 1950

STUDENTS. Men, 229; Women, 13. Total, 242.

UNIVERSITY COLLEGE OF THE WEST INDIES*

Founded 1946 ; incorporated by Royal Charter 1949

Postal Address : Mona, St. Andrew, Jamaica, British West Indies.

Cable and Telegraph : University Jamaica.

Telephone : (P.B.X.) 7435.

VISITOR—H.M. THE KING.

CHANCELLOR—H.R.H. THE PRINCESS ALICE, COUNTESS OF ATHLONE,
G.C.V.O., G.B.E.

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, v. Medicine, infra

Botany

Asprey, G. F., M.Sc., Ph.D. Birm.

Prof.

Robertson, Mrs. Edith, B.Sc. Glas.

Lectr.

Robbins, R. G., M.Sc. N.Z.

Asst. Lectr.

Loveless, A. R., M.A., Ph.D. Camb.

Asst. Lectr.

Chemistry

Hassall, C. H., M.Sc. N.Z., Ph.D.

Camb., F.R.I.C. Prof.

Martin, S. L., M.Sc. Lond., D.I.C.,

F.R.I.C. Lectr.

Sharp, Violet, M.A. Camb., M.Sc.

Lond. Lectr.

Heal, H. G., B.Sc., Ph.D. Lectr.

Lippman, A. E., B.Sc. Lond.,

M.Sc. Brooklyn Asst. Lectr.

English

Croston, A. K., M.A. Camb. Prof.

Le Page, R. B., B.A. Oxon. Lectr.

Rooke, Barbara E., M.A. Qu.,

Ph.D. Lond. Lectr.

History

Parry, J. H., Ph.D., M.A. Camb.

Prof.

Cunningham, A. B., B.A. Durh.

Lectr.

Goveia, Elsa V., B.A. Lond.

Asst. Lectr.

Fraser, D. G. L., M.A. Acad.

Asst. Lectr.

Languages, Modern

Sandmann, M., M.A., D.Litt.

Glas., Dr. Phil. Bonn Prof.

Coulthard, G. R., B.A. Oxon.

Lectr.

Mailer, W., M.A. Edin., L. ès L.

Lectr.

Latin

Carrington, A. G., B.A. Lond.

Lectr.

Dorey, T. A., M.A. Oxon.

Asst. Lectr.

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

Mathematics

Robinson, L. R. B., M.A. Lond.
Lectr.

Read, R. C., B.A. Camb.
Asst. Lectr.

*Pathology, v. Medicine, infra**Physics*

Bowen, F. H., M.A. Col., Ph.D.
Lond. Sr. Lectr.

Cade, R., M.Sc. Lond. Lectr.

Mykura, H., B.Sc. Birm.
Asst. Lectr.

*Physiology, v. Medicine, infra**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.

Medicine*Anatomy*

Harper, W. F., M.D., B.Sc., Ph.D.
St. And. Prof.

Esoffery, G. S., M.B., Ch.B.
Aberd. Lectr.

Medicine

Cruickshank, E. K., M.D., M.B.,
Ch.B. Aberd. Prof.

Hugh-Jones, P., M.A., M.D. Camb.
Sr. Lectr.

Pathology

Hill, K. R., M.D., M.B., B.Sc., B.Sc.
Lond. Prof.

Grant, L., M.B., Ch.B. Edin.
Sr. Lectr.

Bras, G., M.D. Batavia Sr. Lectr.

Wise, L., B.Sc., M.B., Ch.B. Manc.
(Chem. Pathol.) Sr. Lectr.

Stafford, J. L., M.B., Ch.B. Birm.
Lectr.

Clearkin, K. P., M.B., B.Ch. Belf.
Lectr.

Physiology

Mackay, I. F. S., M.Sc., Ph.D.
Manc. Prof.

Patrick, S. J., M.A., Ph.D. Tor.
(Biochem.) Sr. Lectr.

Feng, P., M.D. Shanghai, M.S.
Tennessee (Pharmacol.)

Lectr.

Waterlow, J. C., M.D., M.B., Ch.B.
Camb. Res. Fellow.

Surgery

Ovens, G. H. C., O.B.E., M.B., B.S.
Lond., F.R.C.S. Prof.

Extra-mural Studies

Director—P. M. Sherlock, B.A.
Lond. Resident Tutors:—

Leeward Islands—S. Sharp,
B.A. Leeds. *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—..... *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.; K. H. Straw, B.A.

Manc.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar, Jeanne A. Simmons, B.A. Oxon. Bursar, R. A. Swaby,
D.P.A. Lond. Asst. to Registrar (Services), Major K. T. Craig. Asst. Librarian,

Grade I, K. Ingram, B.A. Lond. Asst. Librarians, Grade II, Mercedes Josephs, B.A. Lond.; Elsie Woo-Ming, B.A. Tor.

GENERAL INFORMATION

The Univ. Coll. was incorporated by Royal Charter granted on Jan. 5, 1949. Its establishment was recommended and planned by a Cttee. of the Commission on Higher 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 are still partly in use and provide satisfactory temporary accommodation for undergraduate quarters, library, labs., lecture rooms, and administrative offices.

AN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH is associated with the Univ. Coll. The capital cost and recurrent expenditure for 5 yrs. is covered by a grant from the Colonial Social Science Research Council.

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 began 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.

PUBLICATIONS. *Year Book*; *Caribbean Quarterly*; *Caribbean Affairs* (series of pamphlets).

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. 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 gave £1667 : 10s. for apparatus for scientific research. Barclays Bank Ltd. (Dominion, Colonial, and Overseas) gave £5000 towards the cost of the erection of a bldg. for the Dept. of Education.

SITE AND BUILDINGS. Contractors were apptd. and completed the first Hall of Residence for Undergraduates, called Irvine Hall. The Library, the Science Depts., and the Univ. Coll. Hospl. should be completed by the end of 1951. The construction of houses for the staff 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. began the publication of a periodical, *Caribbean Quarterly*, devoted to broadly educational and intellectual interests; it also published a series of booklets, *Caribbean Affairs*, for study material and general interest.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Registrar visited a number of Univs. in Britain. Prof. Hassall visited Harvard Univ., and Prof. Millott, Wood's Hole Marine Biological Lab.

RESIGNATION. Miss Olive Carpenter, on appt. as Chief Cataloguer in the Library of the Univ. Coll. of the Gold Coast.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	54
Women	—	16
Total	—	70

THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE*

ST. AUGUSTINE, TRINIDAD, B.W.I.

Founded 1921

Cables : Stomata, Port-of-Spain.

Telephone : 94419.

CHAIRMAN OF THE GOVERNING BODY—Sir RAYMOND PRIESTLEY, M.C.,
D.L., M.A. Camb. and Birm., D.Sc. Melb., Hon. D.Sc. N.Z., Hon.
LL.D. St. And., Natal, and Dal., Hon. D.Litt. Malaya.

PRINCIPAL—H. J. PAGE, C.M.G., 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—MABEL 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.

MANAGER, MILNER HOSTEL—C. E. HOWELL.

TEACHING STAFF

Agriculture

Killick, A. B., C.M.G., B.Sc. Lond.,
Dip.Agric. Wye Prof.

Webb, G. H., Dip.Agr.
Harper Adams Lectr.

Mayne, J. E., B.Sc.Agr. Edin.

Lectr.
Campbell, J. S., B.Sc. Hort. Read-
ing, D.T.A. Trin. Lectr.

Howes, J. R., B.Sc. Lond., M.Sc.
McG. Lectr.

Rosher, P. H., B.Sc. Reading
Lectr.

Hudson, F. Farm Manager.

Botany and Plant Pathology

Baker, R. E. D., M.A. Camb.,
A.I.C.T.A. Prof.

Wilson, J., B.Sc. Durh. Lectr.
Hutchinson, P. B., M.Sc. N.Z.

Lectr.
Dale, W. T., B.Sc. Leeds,
A.I.C.T.A. Lectr.

Chemistry and Soil Science

Hardy, F., C.B.E., M.A., Dip.Agr.
Camb. Prof.

ap Griffith, G., B.Sc., Ph.D. Wales,
A.I.C.T.A. Reader.

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

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 Jan. 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 Sept. 1929. An Agricultural Field Office, and a new Chemical Block, in which the Dept. of Sugar Technology is also housed, were completed in Aug. 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 Oct. 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 or acceptable graduate qualifications in Science.

(4) A 1-yr. postgraduate course, leading to a *Diploma* in Tropical Agriculture (D.T.A. Trin.), necessitating not less than 1 yr.'s postgraduate training or experience before entry. This course is open to Colonial Office probationers who have already had a one-year postgraduate course at Cambridge and to students possessing a degree in Agriculture or Natural Science or a Diploma of an approved Agricultural College involving at least a 3-yr. course of study in Agriculture or Horticulture together with at least 1 yr.'s approved postgraduate training, either at Cambridge or elsewhere, or who possess approved equivalent postgraduate experience.

(5) Special courses, particulars of which may be obtained on application to the Registrar.

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 including 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*; *Memoirs and Reports*.

THE YEAR 1949-50

EXTRA-MURAL WORK. Visits of Coll. Officers to neighbouring colonies in the Caribbean area.

NEW BUILDINGS. A comprehensive bldg. scheme completed. This included a new Biol. Bldg. which houses the Depts. of Bot., Plant Pathol., and Entomol.; new Sugar Technol. Labs.; 16 new houses; and a new block providing additional accomm. for 20 students.

DEATHS. Prof. G. W. Robinson, J. Gordon Miller, both Governors of the Coll.

STUDENTS. Full-time, 55; graduates and special course students, 19; preparing for diploma, 36. Included in the above total were 35 first-year admissions.

DIPLOMAS. D.I.C.T.A., 10; D.T.A. Trin., 13.

ASSOCIATESHIPS. 3.

ASSOCIATESHIP (*Honoris Causa*). R. de Verteuil.

COLLEGE OF AGRICULTURE MAURITIUS

Founded 1923

Postal Address : Réduit, Mauritius.

Telegraphic Address : Réduit, Mauritius.

Telephone : Rose-Hill 390.

CHAIRMAN OF ADVISORY BOARD—W. ALLAN, O.B.E., B.Sc. Glas.

ACTING PRINCIPAL—J. R. LAGESSE, B.Sc. Lond.

LECTURERS

Agricultural Meteorology—de Sor-
nay, A., B.Sc. Lond.

Agronomy—Coombes, Capt. A. N.,
B.Sc. Reading ; Julien, J. H.

Animal Husbandry and Vet. Science
—Darné, A. ; Lefébure, Y.

Biology and Entomology—Wil-
liams, J. R., B.Sc. Brist.,
D.I.C., F.R.E.S. ; Mamet, R.

Book-keeping—Dove, L. R.

Botany and Agric. Botany—An-
toine, R., B.Sc. Lond. ; Gué-
randel, P.

Chemistry—Lagesse, J. R., B.Sc.
Lond. ; Belcourt, S.

Mathematics—Latulipe, R., B.Sc.
Lond.

Physics—Latulipe, R., B.Sc. Lond.

*Sugar Technology and Agric. En-
gineering*—de St. Antoine,
J. D. de R., B.S.

Surveying—Belcourt, S.

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 1949-50

STUDENTS. Full-time : 24. Part-time : 5. No women students.

DIPLOMAS in Agric., 7.

CONDOMINIUM

ANGLO-EGYPTIAN SUDAN

UNIVERSITY COLLEGE OF KHARTOUM

Founded 1951

Incorporating GORDON MEMORIAL COLLEGE (founded 1902)
and THE KITCHENER SCHOOL OF MEDICINE (founded 1924)

Postal Address : P.O. Box 321, Khartoum.

Telegraphic Address : Kulliya, Khartoum.

Telephone : 2601, 3111 (P.B.Ex.), Khartoum.

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—I. A. IBRAHIM, M.B.E.

REGISTRAR—G. C. WOOD, M.A. Oxon.

DEANS—*Administration and Law*—J. P. S. DANIELL, M.A. Oxon. ;
Agriculture—B. M. BOYNS, B.Sc., Ph.D. Durh. ; *Arts*—A. B. THEOBALD, B.A., Dip.Ed. Lond. ; *Engineering*—A. W. HENDRY, B.Sc. Eng., Ph.D. Aberd. ; *Science*—H. SANDON, M.A. Camb., Ph.D. Rutgers ; *Veterinary Science*—J. S. GARSIDE, Ph.D. D.V.S.M. Vict.

LIBRARIAN—M. JOLLIFFE, B.A. Lond., F.L.A.

DEPUTY LIBRARIAN—K. O. PARSONS, B.A. Oxon.

STUDENTS' WARDEN—J. M. AHMED.

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Darling, H. S., B.Sc., M.Agric.

Belf.

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Agricultural Chemistry

Boyns, B. M., B.Sc., Ph.D. Durh.

Dean and Prof.

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Read, J. L., B.Sc. Agric. Durh.

Lectr.

Abdel Kerim, M.

Lectr.

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Ph.D. Lond. Reader.

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du Bois, Ruth, B.Sc. Missouri
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Asst. Lectr.

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Asst. Lectr.

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Lectr.

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Ph.D. Lond. Reader.

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Lectr.

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Smith, M. G., M.A. Oxon. Lectr.

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Rutgers Dean and Prof.

Rzoska, J., Ph.D. Poznan
Sr. Lectr.

Girgis, S., B.Sc. Fuad I, M.Sc.
Farouk I Sr. Lectr.

Ghobrial, S. Curator.

Veterinary Science

Anatomy

Mills, H. D. Lectr.

Animal Husbandry

Stephens, L. A., B.V.Sc. Syd.
Lectr.

Pathology and Bacteriology

Garside, J. S., Ph.D., D.V.S.M.
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*Anatomy*Fleming, R. A., O.B.E., M.B., B.S.,
F.R.C.S. Lectr.**Kitchener School of Medicine**Somers, R. B. U., M.D., Ch.B.,
D.T.M. & H. Dean.*Physiology*Townsend-Coles, W. F., M.D.,
D.C.H. Lectr.**ADMINISTRATIVE AND OTHER STAFF**

Asst. Registrar: J. R. D. Sturgis; Hostel Wardens: J. Donaghy, E. P. Lougher, L. S. Cobby; Adviser to Women Students: Mrs. P. J. Royston-Pigott; Staff Clerk: M. A. Khogali; Head Accountant: F. Hassoun.

GENERAL INFORMATION

This is a non-Govt. institution incorporating the Gordon Memorial College and the Kitchener School of Medicine, endowed partly by Sudan Govt. and partly by public subscription, with the balance of its expenditure supplied by an annual grant-in-aid from the Sudan Govt. It is managed by Executive Cttees. (one for each of the two units comprising the Univ. Coll.) in London and by a Council in the Sudan, and advised by an Academic Bd. composed of hds. of Depts. with the Principal as Chairman. Gordon Memorial College was opened by Lord Kitchener as a primary school in 1902, became a secondary school in 1909, and in 1945 a number of Higher Schools in Admin., Agric., Arts, Engin., Sci. and Vet. Sci., which had been formed independently of each other during the years 1938-45, were consolidated into the Coll. In 1947 a School of Design was added, but in 1950 this was transferred to the Khartoum Technical Inst. The Kitchener School of Medicine was opened in 1924 as a memorial to Lord Kitchener. In 1951 the two institutions were brought together under the title of University College of Khartoum.

ADMISSION. The qualificn. for admission is the Cambridge Overseas Sch. Certif. or equivalent. The minimum requirement is a Sch. Certif., with 4 credits, one of them being in English or Arabic. There are, in addition, certain minimum Fac. requirements.

COURSES. The Coll. has been admitted to a special relationship with the Univ. of London. Students who are matriculated proceed first to the inter. and then to the final examn., for an external B.A., B.Sc., B.Sc.Agric., or LL.B. degree of the Univ. Those who do not qualify for the degree courses may take a course leading to a Coll. dipl. The Med., Vet., and Engin. Schools have not yet instituted degree courses, although the Engin. Sch. will start such a course in the near future. Courses are: *Arts*—4 yrs. leading to London ext. Gen. B.A. or to Coll. Dipl. *Sci.*—4 yrs. leading to London ext. Gen. B.Sc. or to Coll. Dipl. *Agric.*—3 yrs. after Sci. inter. (5 yrs. in all) leading to London ext. B.Sc. (Agric.) or to Coll. Dipl. *Engin.*—4 yrs. after Sci. inter. (6 yrs. in all) leading to Coll. Dipl. (or London ext. B.Sc. (Eng.) after 1952). *Vet. Sci.*—4 yrs. after prelim. sci. yr. (5 yrs. in all) leading to Coll. Dipl. *Admin. and Law*—(a) 1-yr. postgraduate course for students taking admin.; (b) 4 yrs. for students taking law leading to London ext. LL.B. or to Coll. Dipl. *Med.*—5 yrs. after prelim. sci. yr. (6 yrs. in all) leading to Dipl. of Kitchener Sch. of Med.

TERMS. First, July 21-Sept. 24; Second, Oct. 6-Dec. 6; Third, Jan. 6-March 8.

FEES. Full fees are £55 p.a. for residents in the Sudan ; £125 p.a. for those coming from elsewhere. There are many bursaries for Sudanese students.

RESIDENCE. There is hostel accomm. for all students and residence is normally obligatory.

The **LANGUAGE OF INSTRUCTION** is English, although the official lang. of the Students' Union is Arabic.

LIBRARY. Newbold Library : at present 25,000 vols. including important Sudan Collection.

VACATION COURSES. Annual study camp at Erkowit (Red Sea Hills), in April ; Annual Winter School at Coll. in Dec.

PUBLICATION. *Calendar* (March, biennial).

THE YEAR 1950

NEW BUILDINGS. Work nearly completed on 2 new hostels for 80 students each, with 2 in each bed-sitting-room and self-contained as to common rooms, dining-rooms, etc. New Chem. Lab. for Sch. of Agric. completed and occupied. Work commenced on new lab. block and lecture theatre for Fac. of Sci. Bldg. begun of new Vet. Sch. near Sch. of Agric. Development of Hydraulics and Heat Engines Lab. contd. in Sch. of Engin.

NEW POSTS. Lectureships added to each of depts. of Chem., Arabic, Maths., Bot., Vet. Sci. and Agric.

OTHER DEVELOPMENTS. Discussions began with Univ. of London on the applicn. to Coll. of the revised minimum entrance requirements, which the Univ. introduced in 1951. The first degrees obtained under the special relationship with London were awarded. 5 students received the B.A. (General) degrees and 2 received the B.Sc. (General). The arrangement of the academic yr. was changed from a 2-term yr. commencing in Feb., to a 3-term yr. beginning in July.

EXTRA-MURAL WORK. The subject of study at Erkowit camp, attended by 37 members, was the economic and social progress of under-developed areas. A Winter School was organized at which the topic " Education in the Modern World " was discussed. 25 students enrolled.

VISITS BY STAFF FROM OTHER UNIVERSITIES. Lord Cromer, Chairman of the Trustees ; Prof. H. H. Bellot (London) ; Prof. T. H. Davey (Liverpool) ; Prof. M. K. Hussein (Ibrahim Pasha Univ., Cairo) ; Prof. N. Faris (American Univ. of Beirut) ; Dr. W. W. Grave (Cambridge) ; Prof. J. G. Wright (Liverpool) and Prof. F. W. Jane (London).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	327
Women	—	5
Total	—	332

Included in the above are 128 first-year students.

DEGREES. B.A. (General), 5 ; B.Sc. (General), 2 ; B.Sc. (Special), 1.

APPENDICES

- I. QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN THE UNIVERSITIES OF THE UNITED KINGDOM (p. 1313)
- II. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE IN THE U.K. (p. 1360)
- III. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE OVERSEAS (p. 1434)
- IV. STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES (p. 1441)
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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. 10-19 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.]

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 entrance examn. in addition to satisfying the Univ. entrance requirements.

Early application is advisable for admission to a University, and frequently there are last dates for receipt of applications for entrance to the different Faculties of a University.

The introduction in England and Wales of the General Certificate of Education and the consequent cessation of the School and Higher School Certificate examns. (except for the 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. London no longer holds a Matricn. Examn. or a special Univ. entrance examn. (private candidates are, however, accepted for the General Certificate examns. held by the Univ.). The Univ. of Wales has also ceased to hold its Matricn. Examn. On the other hand, the 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. 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.

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.

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.

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.

The examns. are conducted by the approved Examining Bodies,* over whom the Minister of Education exercises a co-ordinating authority with the help of the Secondary School Examns. Council, composed of representatives of Univs., local education authorities and teachers' associations, and members nominated by the Minister of Education, with a Chairman appointed by the Minister.

The necessary administrative measures to carry out the new policy were 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 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, discussed their regulations and reviewed their syllabuses. Provision continues to be made for schools to submit their own syllabuses of examn. to Examining Bodies.

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.

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 at 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 Aug. V. also pp. 1351-1358.

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. 1358-1359.

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 qualificns.: ordinarily, certifs. (relating to, for example, Dominion Matricn., or Baccalaureat, examns.), which would entitle to admission to an approved Univ. in the student's own country, together with such further evidence as may be necessary to ensure that no student shall be admitted to a course of study for a degree without a reasonable prospect of his being able to pursue it to graduation (in particular, if the student be one whose mother tongue is not English, evidence that he has a sufficient mastery of this language to enable him to follow courses of instruction conducted in English). When certificates are in a foreign language they should ordinarily be accompanied by a certified English translation. Unless the certificate shows on its face that it would admit the holder to a Univ. in his own country it should be accompanied by a letter to this effect from the Registrar of such a Univ. or by an authenticated declaration by a Government official or the local British Council Representative or by an official of an Embassy, Legation, or Consulate of the country to which the applicant belongs, testifying that the certificate would entitle the holder to enter on a regular course of study in a Univ. in that country. Intending students

should apply for information to the Registrar of the Univ. in which they desire to be matriculated. The regulations are summarized below under each Univ. or group of Univs.

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. 1324-1327). 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. 1319-1321). II. A pass in the Board's examn. for candidates of mature years (p. 1321). III. A pass in the Board's examn. for candidates who have been engaged in industry or commerce (v. p. 1322). IV. One of the qualifications listed under section IV (v. pp. 1322-1323). V. Any qualification which satisfied the Board's requirements in force at the date the qualification was obtained.

I. General Certificate of Education

3. The Board's Univ. entrance requirements will be satisfied by a G.C.E. issued by the Board (or by one of the examining bodies referred to in para. 4) which shows: either (a) A pass in six subjects which include (i) English Lang., (ii) a language other than English, (iii) either Maths. (para. 6) or an approved Science (para. 7), (iv) at least two subjects at the Advanced level; *Provided that* (1) The requirements under (a) may be fulfilled at more than one sitting. (2) The required subjects must be selected from the list given in para. 5, except that one, but only one, of the following may be included among the six required subjects: Handicraft, Domestic Subjects, Geometrical and Machine Drawing, Mechanical Science. (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. 1318). 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 Examns. and the corresponding subjects in the examns. of any of the bodies referred to in para. 4, will be accepted for the purposes of para. 3: 1. General Paper; 2. English Lang.; 3. English Lit.; 4. History; 5. Ancient History and Lit. (may not be counted with History); 6. Geog.; 7. Economics; 8. Scripture Knowledge; 9. Art; 10. History and Appreciation of Art (may not be counted with Art); 11. Music; 12. Greek and Roman Lit. in Translation (may not be counted with Greek and/or Latin); 13. Greek; 14. Latin; 15. French; 16. German; 17. Spanish; 18. Italian; 19. Russian; 20. Welsh; 21. Specially approved langs.; 22. Maths.; 23. Maths. and Theoretical Mechanics (counts as two Advanced subjects but may not be counted with Maths.); 24. Physics; 25. Chem.; 26. Physics-with-Chem. (may not be counted with any of the following: Physics, Chem., General Science); 27. Bot.; 28. Zool.; 29. Biol. (may not be counted with Bot. and/or Zool.); 30. Geol.; 31. General Science I; 32. General Science II (General Science I and/or II may not be counted with any of the following: Physics, Chem., Physics-with-Chem., Bot., Zool., Biol.); 33. Elementary Physiol. (may not be counted with Zool. or Biol.).

6. Either 22. Maths. or 23. Maths. and Theoretical Mechanics will satisfy the requirement of Maths. under para. 3 (a) (iii) and para. 3 (b) (iii).

7. Of the subjects listed in para. 5, Nos. 24 to 33 (both inclusive) are "approved Sciences" for the purposes of para. 3 (a) (iii) and para. 3 (b) (iii).

8. The condition that of the minimum of three subjects required under para. 3 (b) (iv) one must not be "related to" the other two subjects will be interpreted as follows, provided that certain combinations as indicated in para. 5 will not be counted: (a) the General Paper will not be regarded as related to any other subject in the list under para. 5; (b) subjects 2 to 12 will not be regarded as related to subjects 13 to 33; (c) subjects 13 to 21 will not be regarded as related to subjects 2 to 12 and 22 to 33; (d) subjects 22 to 33 will not be regarded as related to subjects 2 to 21.

9. The Board's Univ. entrance requirements will also be satisfied by a General Certificate of Education which satisfies the three following conditions: (a) it is awarded by one (or more) of the bodies referred to in para. 4; (b) it satisfies the general conditions of para. 3; (c) it is certified by the appropriate official as satisfying the Matriculation requirements of a Univ. in Gt. Britain or N. Ireland under that Univ.'s conditions for recognizing the General Certificate of Education.

10. The Board is prepared to consider the exercise of its discretionary powers as regards the acceptability or otherwise of any of its own General Certificates of Education which may not satisfy paras. 5, 6, 7, and 8 but may satisfy para. 9 (b) and (c).

11. *Transitional Provisions.* The institution in 1951 of the examn. for the General Certificate of Education and the consequent withdrawal of the School Certificate and Higher School Certificate Examns. will prevent some candidates who hold School Certificates and/or Higher School Certificates (or Letters of Success) from completing the Board's requirements as set out in the 1949-50 *Yearbook*, pp. 1192-1193. The following provisions are therefore made: (a) A *pass with credit* in a subject of an approved School Certificate examn. or a *pass* in a Subsidiary subject (including "Subsidiary Standard") of an approved Higher School Certificate examn. will be accepted in lieu of a *pass* in the corresponding subject at the Ordinary level in the General Certificate examn. (b) A *pass* in a Principal subject of an approved Higher School Certificate examn. (or a *pass* in a subject of a London Univ. External Intermediate Examn.) will be accepted in lieu of a *pass* in the corresponding subject at the Advanced level in the General Certificate examn. (c) A *pass* in a subject of any of the following examns. before May 1, 1951, will be accepted in lieu of a *pass* in the corresponding subject at the Ordinary level in the General Certificate Examn.: (i) Nos. 1, 2 and 14.* (ii) The Matriculation Examn. of the Univ. of London (a *pass* at a Lower Alternative standard is not acceptable). (iii) The Entrance Examn. of the Univ. of Durham. (iv) The Matriculation Examn. of the Univ. of Wales. (v) No. 11* (a *pass* at the Lower standard is not acceptable). (vi) The Matriculation Examn. of the Univ. of Dublin, Trinity College. (vii) The Matriculation Examn. of the National Univ. of Ireland. (viii) No. 13* (a *pass* in a subject at the Subsidiary standard is not acceptable). (ix) The Intermediate Certificate Examn., Department of Education, Republic of Ireland (only subjects passed at the Honours standard are acceptable). (x) The Forces Preliminary Examn. (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

* V. *supra*, p. 1318.

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 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 19 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) Either (i) 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), or (ii) No. 12, † provided that the candidate passed at not more than two sittings of the examn. in four approved Higher Grade subjects and two approved Lower Grade subjects, and provided that the six subjects include passes in English Language, in a language other than English, and in Maths. (or an approved Science). (e) 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

* Certificates gained after Dec. 1, 1947, must show a pass at one and the same examn. in five subjects at the Higher standard including at least one subject of each of Groups I, II, and III of the Board's School Certificate Examination.

† V. *supra*, p. 1318.

‡ 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.

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 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 Indian and Pakistan students must be received before Jan. 1 in each year, and must be accompanied by detailed references certifying as to character and educational qualifications. All such students, before admission to courses of study in the Univ., shall satisfy the Faculty concerned that they have a knowledge of English sufficient for the purpose of their work. Except by special permission of the Senate, no student who is not normally resident in 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.

* *V. supra*, p.1318.

† 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.

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.

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. Special entry requirements are made as follows :

Arts. B.A. in Special Studies in French, Spanish, or Italian or in the Modern Langs. combination when one or more of these subjects form part of the combination—a qualificn. in Latin equivalent to the Credit standard in the School Certif. Examn. of the Jt. Matricn. Bd.

Science and Technology. Information concerning specified subjects in which qualificns. are required for entry to particular courses is obtainable from the Registrar.

Medicine. M.B., Ch.B.—Chem. at the Ordinary standard in the G.C.E. examn., or at the subsidiary standard in the H.S.C. examn., and Maths. at the Ordinary standard (alternative or ordinary syllabus) in the G.C.E. examn., or at the " Pass " standard in the School Certif. examn.

Dentistry. B.Ch.D.—Maths. at least equivalent to that of " Pass " standard in the School Certif. examn. (For Session 1952-53 and thereafter : Maths., Chem., and Phys. at least at Ordinary standard in the G.C.E. examn.)

Exemptions. In certain circumstances, applicants for admission to courses leading to the degrees of B.A. and B.Sc. in Special or General Studies may be exempted by the Boards of the Faculties concerned from one-year courses and corresponding examns. if they possess qualifications obtained in the 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 in Special Studies to present themselves in any one of the following four schools : Geog., Economics, Social Science, Psychol.

Architecture. All applicants for admission to this School must have passed the Joint Matriculation Board's requirements for entry on a degree course.

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. or L.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. or L.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

* These special regulations are subject to review in the near future.

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* and whose performance in a prescribed combination of subjects is satisfactory.

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 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* (except Archit., Town and Country Planning, Pol. and Mod. Hist., Mod. Hist. with Econ. and Pol., Philos., Psychology, Geog. and Oriental Studies)—Latin (or Greek in case of Hons. Schools of English or German or Maths. in case of Hons. School of Maths.), unless prepared to devote 4 yrs. to the course. Students entering Hons. course in Combined Subjects must satisfy this regn. 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

* 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.

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 equal or 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., Geol., 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, Electrical Engineering and Mining, applicants should 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). Applicants for admission to degrees in Fuel Technology should have obtained passes at Advanced * level in the General Certificate of Education in Maths., Physics, and Chem. (or Principal level in the Higher School Certificate examn.). Applicants for admission to a degree course in Glass Technology who have reached a standard satisfactory to the Faculty in Maths., Physics, and Chem., 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

* Candidates whose passes in the subjects specified do not reach a level satisfactory to the Faculty may be admitted to a preliminary course of 1 yr.

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 **

(a) General Certificate of Education examinations held by Nos. 3, 4, 5, 6, 7, 8, 9, and 10 * provided (v. *supra*, p. 1316, para. 2) 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. 4. Geog. 5. Economics. 6. Music. 7. Art. 8. Religious Knowledge. 9. Greek. 10. Latin. 11. French. 12. German. 13. Any other approved language. Group II: 14. Maths. or Pure Maths. or Pure and Applied Maths. 15. Applied Maths. (May not be taken with Pure and Applied Maths.) 16. Physics. 17. Chem. 18. Physics-with-Chem. (May not be taken with either Physics or Chem.) 19. General Science or Additional General Science. 20. Bot. 21. Zool. 22. Biol. (May not be taken with either Bot. or Zool.) 23. Geol. 24. Geog.

No subject may count at both Ordinary and Advanced levels.

Only one of the subjects, Music, Art, and Religious Knowledge, may count at Advanced level. Religious Knowledge and any subject chosen from the group of subjects under 3 may not both count at Advanced level.

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 16 to 23 inclusive are approved Science subjects for the purposes of Matriculation under Schemes A and B.

(b) Nos. 1 and 2.*

* V. *supra*, p. 1318.

(c) The Attestation of Fitness of the Scottish Universities Entrance Bd. granted on passes in Nos. 11 or 12.*

(d) Nos. 13 and 14,* under certain conditions.

(e) No. 16.*

(f) Graduation in a Univ. in the U.K. or in some other approved Univ.

(g) First and/or Higher School Certificates provided they fulfil the regulations in force before the inception of the General Certificate of Education.

(h) Trained certificated teachers' qualifications, under certain conditions.

(i) Passing Out Examn. of the Royal Naval College, Dartmouth.

(j) Forces Preliminary Examn., subject to interview.

(k) Sufficient qualifications for original research in case of candidate for a research degree.

(l) In exceptional circumstances sufficient education and attainments in the case of candidates over 23 years.

(m) Barristers-at-Law and Solicitors of the Supreme Court.

(n) 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. 102) 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

* V. *supra*, p. 1318.

Secretary. It is advisable to apply more than 12 mos. 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) or (b) in Part I, and Arabic, Chinese, Sanskrit, Persian. or Pali, in lieu of I (a) or (b).

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. 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.

* V. *supra*, p. 1318.

Exemption is granted to a graduate of any Univ. approved for the purpose by the Council of the Senate.

Dominions (except India and Pakistan) and Europe. A certificate qualifying for admission to an approved Univ. in a British Dominion (except India or Pakistan) or a European country may be accepted for complete or partial exemption.

India and Pakistan. A candidate who has attained the 1st class in the Intern. 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 Intern. 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, 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, Manito., 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 and Pakistan—Agra, Aligarh, 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 exams., 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. 100.

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. 1318) 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. Credits in a School Certificate obtained before 1951 may be counted as Ordinary level passes. Higher School Certificate passes, Principal or Subsidiary, obtained before 1951 may be counted as Advanced level passes. Credits in the Cambridge Oversea School Certificate or Subsidiary passes in the Cambridge Oversea Higher School Certificate will be accepted as Ordinary level passes. Principal

passes in the Cambridge Oversea Higher School Certificate will be accepted as Advanced level passes. Until Oct. 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): either Additional Maths. at Ordinary level, or 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. (Elementary Maths. at Advanced 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 qualification to matriculate or by passing an approved examn. in the subjects required for a general qualification to matriculate.

(4) Candidates for the (external) degree of B.Mus. do not matriculate, but must pass or be exempt from an Entrance Examn. conducted by the Univ.

If a candidate holds a 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 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 1952, and until further notice, the normal method of satisfying minimum entrance requirements will be through the General Certificate of Education awarded by one or more of the approved Examining Bodies.* The Certificate must comply with one or other of the two Schemes A and B.

Scheme A. The candidate must have obtained passes (not necessarily on the same occasion) in (a) English Lang., (b) a lang. other than English, (c) either Maths. or an approved science subject, and three other subjects, provided that: (i) at least two of the subjects are passed at the Advanced level; (ii) the subjects are chosen from the approved list.

Scheme B. The candidate must have obtained passes in (a) English Lang., (b) a lang. other than English, (c) either Maths. or an approved

* V. *supra*, p. 1318.

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, A); 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.)

† Cannot be offered after Nov. 1951.

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. The conditions for entry to the Faculty after 1951 are under review.

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.

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.

Special Provisions

(1) Credits obtained in 1949 or 1950 at a School Certificate examn., or Main Subject passes at a Higher School Certificate examn., will be accepted as passes at Ordinary level and Advanced level, respectively. Higher School Certificate Subsidiary subject passes will count as Ordinary level passes.

(2) Candidates who gained a School Certificate in or before 1949 and who passed in three Advanced level subjects in 1951 will satisfy minimum entrance requirements.

(3) 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. 1, 2, 11, 12,* 13, and 14 (v. *supra*, p. 1318); *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

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

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.

(4) 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 three subjects at Advanced level must be passed after attaining the age of 20.

(5) 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 be interviewed by a Board for the purpose of assessing his qualifications in general education and in regard to the degree or diploma for which he proposes to study. The Board may recommend that the candidate be considered to have satisfied minimum entrance requirements or may require him to present himself for examn. in additional subjects if thought desirable.

(6) 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 School Examinations Council, University of London, Senate House, W.C.1.

(7) A person who holds a full practising professional qualification obtained by examn. may apply to the Secretary to the Matriculation and School Examinations Council (address as above) for his qualification to be considered as satisfying minimum entrance requirements.

(8) 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

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

approved for this purpose: In Canada—Acadia, Alta., Bishop's Coll., Br. Columbia, Carleton Coll., 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), Sir G. Williams Coll., Tor., Vict. (Tor.), W. Ontario; Australasia—Adel., Melb., Qld., Syd., Tas., W.A., N.Z.; S. Africa—Cape, Cape Town, Pretoria, Potchefstroom, Natal, Rhodes, S. Afr., Stell., Witw.; India—Agra, Aligarh, Alld., Andhra, Annamalai, Banaras, Baroda, Bom., Calc., Delhi, Gauhati, Jammu and Kashmir, Lucknow, Madr., Mys., Nagpur, Osmania, Patna, East Panjab, Poona, Rajputana, Saugar, Travancore, Utkal; Pakistan—Dacca, Panj., Sind; Ceylon; Hong Kong; Malaya; Malta; certain Univs. in countries outside the British Commonwealth.

NOTTINGHAM

The Univ. conducts a Univ. Entrance and a 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., Logic 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) Maths., Logic 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 para. 2 on p. 1316 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

* 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. 1318.

Higher Standard and provided that Certificates gained after Dec. 1, 1947, show a pass in English Lang. together with a pass in at least one subject from each of Sections II, III, and IV of Appendix A, *infra*. (A pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci. subjects.) (f) No. 13,* provided that 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 Dec. 1, 1947, must include passes in at least one subject from each of Sections II, III, and IV of Appendix A. (h) No. 16.* (i) The Matriculation Certif. of an approved British overseas Univ. (j) A Certificate of having passed at one and the same examn. the Intermediate Examn. in Arts, Science, or Medicine of an approved Univ. in India or Pakistan. (k) The Matriculation Examn. of the Palestine Board of Higher Studies, provided that Certificates gained after Dec. 1, 1947, show that at one and the same examn. the holder reached credit standard in English Syllabus A, and in four other subjects, including at least one subject from each of Sections II, III, and IV of Appendix A. (l) The Secondary Education Certificate, Part II, of the Egyptian Ministry of Education. On Certificates issued on and after June 1938, a pass in Special Part must be shown. (m) The 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 Dec. 1, 1947. (n) An examn. certificate awarded in countries not mentioned in the above provisions, which entitles the holder to enter upon a degree course in a Faculty of a recognized Univ. of the country in which the certificate was issued.

The Senate will consider individually, for the purposes of matriculation, certificates obtained in other examns. of a standard at least equal to those mentioned above.

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.

* V. *supra*, p. 1318.

† O = Ordinary standard.

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.

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 Philosophy, Economics, and Social Science) will be required to have passed at Advanced standard in two subjects within the purview of the Faculty. In addition, candidates for 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 Philosophy, Economics, and Social Science will be required to have passed at Advanced standard in any two subjects except that these two subjects must be Maths. if the degree course includes Maths.

Degree of LL.B. Candidates for admission to the Qualifying 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 Qualifying 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, more than one year before residence is contemplated.

Applicants for admission normally have to pass or be qualified for exemption from (a) Univ. entrance examn., (b) College entrance examn. The Univ. entrance examn. is *Responsions*. The Colleges and Halls and Societies require certain qualifications of character and intellectual attainment in which the passing of *Responsions* or some equivalent examn. is necessarily included.

Responsions comprises: I English Lang.; II (a) Latin, (b) Greek; III (a) Holy Scripture, (b) English Lit., (c) English History, (d) French, (e) German, (f) Italian, (g) Spanish; IV (a) Maths., (b) Natural Science. In order to pass *Responsions*, candidates are required to satisfy the Masters of the Schools in Group I, English Lang., and *either* in at least one subject from each of the Groups II, III, and IV and in five subjects in all (including English Lang.), *or* in both subjects from Group II and in both subjects from Group IV. All candidates must satisfy the Masters of the Schools in two langs. other than English (of which Latin or Greek must be one), and must satisfy them *either* in all five subjects at one examn., *or* in four subjects at one examn. and in the fifth subject at a subsequent examn., *or* in three subjects at one examn. and in two subjects offered together at a subsequent examn.

Candidates must offer four or five subjects, or, if they have previously satisfied the Masters of the Schools in three or four subjects, they must offer the two subjects or single subject required to complete the examn.

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.

Examinations Exempting from Responsions

Great Britain and Ireland, etc. A. Exemption from *Responsions* may be obtained by holders of the status of Bachelor of Arts or by persons accepted for admission as Service Students or Senior Students, or as candidates for the degree of B.C.L. under certain conditions, or as Advanced Students, or as candidates for the Degree of B.Litt. or of B.Phil. or of B.Sc., or who hold a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council, or as Students of Mature Years recommended by the Delegates for Extramural 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. 1318) 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. 1318), 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,

* Latin or Greek must be added to this certificate at Responsions.

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 Dominion 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 ; or

(3) A Ceylon Sr. School Certificate (English) with credits in *inter alia* two of the above-mentioned languages, of which Latin or Greek must be one.

[India—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 Africa, not being of European or American parentage, can apply for permission to offer a substitute for Latin or Greek in Responsions or in certain certificates exempting from Responsions.

Admission to Privileged Standing: "Senior Status"

The following may be admitted to the status and privileges of a Senior Student :

(1) Any person who has obtained a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council,* provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved, or, should the Hebdomadal Council in his case approve, partly at a Univ. so approved and partly at another or other Univs.

(2) Any person who, having been a student at a Univ. in a European country, where there is no degree in any way equivalent to that of Bachelor of Arts but where there are State or Univ. examns. at approximately the same stage as the examns. for the degree of Bachelor of Arts, has passed such State or Univ. examn., such examn. and such Univ. having been approved by the Hebdomadal Council, provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved.

* 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.

(3) Any person who has obtained a degree at another Univ. and has also been selected to come to Oxford by some Body approved, for the purposes of this section, by the Hebdomadal Council.

(4) Any person who, though not eligible under sub-clause (1) or (2) or (3), has satisfied the Hebdomadal Council that he is particularly well qualified to be admitted as a Senior Student.

(5) Any medical student of a Univ. in the British Dominions, except India, Pakistan, and Ceylon, or Colonies or in Gt. Britain and Northern Ireland may be admitted to the status and privileges of a Senior Student; provided that the Univ. shall have been approved by the Hebdomadal Council and that he shall have pursued at that Univ., or, should the Hebdomadal Council in his case so approve, at more than one Univ.; for at least 3 yrs., a course of study leading to a degree in Medicine and shall have passed all examns. incidental to that portion of the course.

A Senior Student: (a) may reckon his 1st term as his 4th; (b) is not required to pass Responsions or any part of the 1st Public Examn.; (c) is entitled to supplicate for the degree of B.A. after having kept statutable residence for 6 terms, and having (i) obtained a place in the Class List of an Honour School of the 2nd Public Examn., or been allowed "aegrotat," or, if disqualified by standing from obtaining Honours, shown such merit as would otherwise have entitled him to a place in the Class List; or (ii) satisfied the Examiners in the 2nd Public Examn. in the Final Honour School of Nat. Sci. in Chem., Pt. I.

No Senior Student will be entitled to supplicate for the degree of B.A. except as above.

Incorporation. Admission of members of the Univs. of Cambridge and Dublin to incorporation. See p. 416.

READING

The University holds no Matriculation Examination.

Matriculation, minimum age 17, is open to:

1. Graduates of Univs. in the United Kingdom or other approved Univs.

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,

* Until further notice, four passes with credit at one examn. and one pass with credit obtained at another examn. may be accepted.

(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, Economics and Social Psychol., Economics and Social Philosophy, Philosophy and German, Music, 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. 1318) 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 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.

* O = Ordinary standard ; A = Advanced standard.

(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. 1318) which is acceptable to any Matriculating Body in England or Wales.

WALES

The Matriculation Examn. will not be held after Jan. 1952 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).

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: (i) 8-12; (ii) 14-28.

The minimum age for matriculation is 17 years.

Note. The certificates of candidates desiring exemption must in

* Subject Nos. 18-29 are approved Science subjects.

† O=Ordinary level; A=Advanced level.

general comply either with the conditions of exemption in force at the time of the award of the certificates or with the present examn. requirements.

For the purposes of a transitional period, a credit' in a subject at an approved School Certificate examn., or a pass in a subject at Subsidiary subject level in an approved Higher School Certificate examn. will be regarded as equivalent to a pass in that subject at Ordinary level in an examn. for a General Certificate of Education, and a pass in any subject at the Principal subject level of an approved Higher School Certificate examn. will be regarded as equivalent to a pass in that subject at Advanced level in an examn. for a General Certificate of Education.

Exempting Examinations

A graduate of an approved Univ. or Coll., or a Barrister-at-Law, or a Solicitor of the Supreme Court of Judicature in England and Wales, or an Advocate or other legal practitioner in Scotland, or a medical practitioner registered in the United Kingdom may qualify for matriculation.

Great Britain and Ireland. General Certificates of Education awarded by Nos. 3-9 (v. *supra*, p. 1318), 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. 1318.

Dominions and Foreign. The matriculation examn. of a Univ. in Canada, Australia, New Zealand, or South Africa, which is listed in the *Commonwealth Universities Yearbook*.

The matriculation examn. of an approved Univ. in Belgium or Holland, the Intermediate examn. in Arts or Science of an approved Univ. of India or Pakistan, or of the Univ. of Malta, Hong Kong, or Ceylon, or the examns. for the French Baccalaureat, or the Iraqi Baccalaureat, 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 are eligible for admission : 1. Graduates of Univs. of the United Kingdom, or of such other Univs. as may be approved by the Senate.

2. Holders of approved Higher School Certifs., provided they also hold approved First School Certifs. under the arrangements which maintained until the introduction of the General Certificate of Education.

3. Holders of approved School Certifs., provided that the certif. shows a pass with credits in five subjects taken at one and the same examn. Of these five, one must be English Lang., and the other four must be separate subjects. The meaning of "separate subject" is that the subject must not either wholly or in part be included in any other subject, *e.g.* General Science will not be allowed with Physics or Chem.

4. Students who satisfy the transitional requirements for 1951-55 as set out by Univ. Examining Bds., such as the Northern Universities Jt. Matriculation Bd.

5. Holders of academic certificates, or such other proof of academic attainment as may be accepted by the Senate as equivalent to 3 and 4.

6. Candidates who have been engaged in Industry or Commerce, provided that they (a) have been so engaged for a period of not less than 3 yrs. and during that time have attended systematic courses of study, *e.g.* Univ. tutorial classes, and have been interviewed by the Admissions Cttee. If approved, they will be allowed to sit for a special entrance examn. This examn. will be designed to test the candidate's capacity to benefit by the courses of study in the Coll. ; (b) submit an applicn. to the Registrar not later than Jan. 31 of the yr. in which they desire to be admitted ; (c) have attained the age of 19 on Oct. 1 of the yr. in which they desire to be admitted.

7. Candidates of mature years, not less than 23 on May 1 of the yr. of proposed entry, may be admitted by the Principal on conditions similar to those detailed in 6, *supra*.

8. Holders of a General Certificate of Education approved as such by the Ministry of Education, according to the scheme approved by other Univs. and Univ. Colls. (*v. supra*, p. 1316).

SCOTTISH UNIVERSITIES

*Summary of Qualifications for Admission to Degree Courses
in Scottish Universities*

No applicant for admission to a degree course in any Scottish Univ. may be accepted unless he holds the Certificate of Attestation, which is issued by the Scottish Univs. Entrance Board to those who have proved their educational fitness in one or other of the following ways :

(1) Applicants who have been admitted to an approved Degree (other than Honorary) of a British or recognized overseas Univ.

(2) Applicants who have obtained passes in the Scottish Leaving Certif. and/or in the Entrance Board's Prelim. Examn. in not more than two sessions of examn. in subjects taken from the following groups : I. English ; 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, Russian, and such other langs. as may from time to time be recognized for the purpose by the Board ; IV. History, Geog., Music, and (Scottish Leaving Certif. only) Applied Sci. The Board requires four passes to be obtained on the Higher standard, or three on the Higher and two on the Lower standard. There must always be a pass on the Higher standard in English and in 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, 3-10 (*v. supra*, p. 1318), showing that passes have been obtained in subjects recognized by the Board that must include the following : (i) English Lang. ; (ii) either Maths. or a recognized Science ; and (iii) a language other than English. The subjects are : Group I, English Lang., English Lit. ; Geog. ; Ancient Hist., Modern Hist. ; Group II, Maths. (Pure) ; Applied Maths. ; Physics ; Chem. ; Bot. ; Zool. ; Geol. ; Group III, Latin ; Greek ; French ; German ; Spanish ; Italian ; Gaelic ; Welsh ; Irish, etc. Group IV, Art and Music.

There must be passes *either* in six such subjects, at least two of them having been awarded at Advanced level, of which one must be a Group II or Group III subject ; *or*, if there are passes in only five such subjects, there must be three passes at Advanced level, one at least from Group II or Group III and the three from not fewer than two of the Groups.

Note 1. Passes at Ordinary standard in the London Matricn. Examn., credits in English School Certificates taken at home or overseas centres, or passes on the Subsidiary standard in Higher School Certificates, will be treated as if they were passes at the Ordinary level, and passes at Main or Principal standard in such certificates 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. 1318) (*a*) issued in 1951 or earlier—will be accepted up to January 31, 1956, if it contains five subjects recognized by the Board, including the three compulsory subjects of the above rule ; and, if all the subjects have been taken at Main standard, 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. (b) Issued in 1952 or later—will be accepted if it contains passes in at least six subjects recognized by the Board including English Lang. ; English Lit. ; a language other than English and a Mathematical or Scientific subject, on condition that three of the passes are at the Advanced level, one of them being either in a lang. other than English or in a Mathematical or Scientific subject, and that all passes have been gained at not more than two separate sessions of examn.

(4) Passes at 50 per cent., or better, shown in a Certif. qualifying the applicant for entry on a degree course in Arts, Pure Sci. or Med. at a recognized Univ. of the Republic of Ireland, Canada, Australasia, or of the Union of South Africa, if they are in subjects recognized by the Board, will count (1) as passes at Ordinary level if the holder completes his qualifications by means of the General Certif. of Educn. examn. (Clause 3 above), or (2) as passes on the Lower standard if he completes by the Entrance Board's Prelim. Examn. (Clause 2 above). Alternatively a certif. signed by the Registrar of a recognized Univ. in these countries stating that the applicant has completed satisfactorily the first two yrs. of a course leading to a Degree in Arts, Pure Sci. or Med., and has duly passed in all the subjects of his course up to that point, will qualify for the Certificate of Attestation.

(5) Evidence of the satisfactory completion of the second yr. of a course leading to a degree in Arts or Pure Sci. or of the pre-medical course, of a Univ. or Coll. in the U.S.A. (other than a Jr. Coll.) appearing in the current list published by the American National Cttee. of Regional Accrediting Agencies, will qualify for the Board's Certificate of Attestation if the applicant's academic record shows Grades averaging not below B. in such of the following subjects as have been included in the first two yrs. of his academic course : English, Foreign Langs., Maths. (Pure and Applied), Sci., Hist., Geog., Art, and Music.

(6) A School Leaving, Matricn., or Univ. Entrance Certif. awarded in any one of the following countries and qualifying unconditionally for entrance on a course leading to a Degree in Arts, Pure Sci. or Med. in a recognized Univ. of that country, is acceptable : (a) if it contains passes of " satisfactory " (or higher) grade in six of the subjects detailed in para. 3 above, and these include (1) the language of the country issuing the Certificate ; (2) a second recognized language ; and (3) either Maths. or a recognized Science ; and (b) if at least two of these passes (which must include English or a subject of Group II or Group III) are graded as " Very Satisfactory " ; and (c) on condition that it is supplemented by (1) a London Univ., or Cambridge Senior, Certificate of Proficiency in English ; or (2) a pass in Special English in the Entrance Board's Preliminary Examination ; provided that exemption from this condition will be granted if the Grade " Very Satisfactory " has been awarded in English (written and oral). A Certif. that fails to satisfy clauses (a) and (b) of this Rule for want of a sixth subject, or in respect of the grade of pass required in one subject only, may be made good by a pass of the requisite standard

in an appropriate subject obtained either (1) in a subsequent session of the original examn., or (2) in the Entrance Board's Preliminary Examn., in which the pass must be on the Higher standard ; or (3) in the English General Certif. of Educn. Examn., in which the pass must be on the Advanced level.

The countries are : Norway, Sweden, Denmark, Iceland, Holland Belgium, France, Luxembourg, Switzerland, Western Germany, and Italy.

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, Russian—A pass in the lang. on the Higher standard in the Leaving Certif., or some equivalent evidence of proficiency.

Second Ordinary, Intermediate Honours, and Honours Classes in English, and 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.—A reading knowledge of German (for those specializing in Language); or of French (for those specializing in Literature or Mediæval Studies).

Honours in Spanish.—A reading knowledge of French.

Sanskrit.—A knowledge of Sanskrit grammar (as in Macdonell's *Sanskrit Grammar for Students*) and ability to read simple texts.

Hebrew.—A knowledge of Hebrew grammar (as in Davidson's *Intro-*

ductory Hebrew Grammar), and ability to read simple prose, such as the Book of Ruth or the narratives of Genesis.

Arabic, Persian, Turkish.—A knowledge of grammar of the lang., and ability to read a simple text.

Music.—A pass in Music in the Leaving Certif., or some equivalent evidence of proficiency. A pass in a qualifying examn. held in March and Sept. consisting of one written paper and an oral and practical test.

Honours in Psychology and Social Anthropology.—A pass in Maths. on the Lower standard in the Leaving Certif., or some equivalent evidence of proficiency.

Maths., 1st Ordinary, and Natural Philos., 1st Ordinary—for students not proposing to go beyond 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 History.—A reading knowledge of French.

Honours in Fine Art.—A reading knowledge of at least one modern foreign European lang. and a pass in an entrance test prescribed by the Edinburgh College of Art.

Honours in Architecture.—A pass in an entrance test prescribed by the Edinburgh College of Art.

Accounting and Business Method.—A pass in an Admission Examn. in Book-keeping or evidence of a sufficient practical training in an office or otherwise.

Science. For admission to degree courses in Pure Science or in Applied Science (except Vet. Science)—passes in Maths., Physics and Chem. on the Higher standard in the Leaving Certif., or some equivalent evidence of proficiency. In certain cases for admission to degree courses in Pure Science the requirement of Higher Physics and Chem. may be relaxed. Besides these general requirements, entrance qualifications as for Arts are required for Maths., Technical Maths., Physics (Nat. Philos.), Chem., Astronomy, Meteorology.

Agriculture. In addition to the above general requirements—

evidence of a complete twelve months' experience, covering the four seasons, on an approved farm.

Law. Civil Law.—A pass in Lower Latin in the Leaving Certif. or some evidence of a sufficient knowledge of the language.

Medicine and Dental Surgery. A student, before commencing the curriculum for graduation, must have the Certif. of Attestation of Fitness.* Prospective students are advised to include elementary Physics and Chem. in their School or Pre-University studies.†

Recognition of Institutions Outside the United Kingdom

Arts. Undergraduates who have attended courses in another Univ. may apply for exemption from one (not the Final) yr. of the course for 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, Gaelic, Welsh, Arabic, Norwegian; Senior Class of Hebrew.
- (b) 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 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 equi-

* 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.

valent : 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, Hebrew, Logic, Moral Philosophy, Political Economy, History, Scottish History, Constitutional History, Mathematics, Natural Philosophy, Geography, Music ; Classes of 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, 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.

(g) Honours Class of Gaelic. Attendance on this class will not qualify for graduation unless, before admission to the class, the student has passed in the degree examination in Latin on at least the Ordinary standard.

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 do not produce evidence of having passed the Leaving Certificate in Higher Chem. or some equivalent qualification may be required by the Professor to pass an examn. during the Martinmas term. 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 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 beginning 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, Agriculture or Applied Science or Technology—Mechanical Drawing ; for Economics—(o) Elementary Economics, and (p) Accounting ; for Faculty of Arts—(q) Music. For Arts or Medicine or Economics one language other than English must be taken ; for Science and Agriculture—French or German ; for Applied Science 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 Law, English, Latin, and History are compulsory. For the Faculty of Applied Science, Physics is compulsory ; for students of Chemical Technology and of Pharmaceutics, Chemistry is compulsory ; for the Faculties of Science and of Agriculture, both Physics and Chem. are compulsory.

A candidate who has passed in at least three subjects, but failed to pass

the examn. as a whole, is allowed to complete his matricn. at the next subsequent examn.

Exempting Examinations

Candidates who have passed any of the following examns. are admitted as matriculated students, provided that if they have not passed in all the subjects required by the Univ. for matriculation in the respective Faculties they shall be required to pass in the additional subjects at one and the same Matricn. Examn.

Great Britain and Ireland—A. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 (v. *supra*, p. 1318), 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 June 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 in 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.

Civil Engineering. Candidates may qualify *either* according to the regulations for the Faculty of Science *or* for the Faculty of Applied Science.

Law. English, Latin, and History are compulsory.

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.

Reference may also be made to the following publications : *Study Abroad*, an International Handbook of Fellowships, Scholarships, and Educational Exchange (UNESCO) ; *Inter-Commonwealth Postgraduate Scholarships in Science* (H.M.S.O. for British Commonwealth of Nations Scientific Liaison Offices, London, 1951); and *The B.M.A. Book of Medical Scholarships* (British Medical Association, London, 1951).

Prospective applicants should note that Ministry of Education State Scholarships (*see* p. 1367) are available in respect of *certain* postgraduate awards at Universities and University Colleges in England and Wales. Candidates must have begun a degree course not before Oct. 1946 and must normally be resident in England or Wales.

The list of awards in this Appendix is arranged in order of subject as follows :

1. General (the subject being optional or there being a large field of choice) (p. 1361).
2. Agriculture, Veterinary Science, etc. (p. 1370).
3. Applied Science and Technology (p. 1373).
4. Arts (General) (p. 1376).
5. Arts (Special Subjects) (p. 1378).

Anthropology (p. 1378).	Geography (p. 1380).
Architecture, Art and Archaeology (p. 1379).	Hebrew (p. 1380).
Classics (p. 1379).	History (p. 1381).
English (p. 1380).	International Relations (p. 1382).
	Law (p. 1382).

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| Librarianships (p. 1384). | Oriental and African Studies (p. 1385). |
| Mathematics (p. 1384). | Philosophy and Psychology (p. 1386). |
| Modern Languages (p. 1384). | |
| Music (p. 1385). | |
6. Dentistry (p. 1386).
 7. Economics and Sociology (p. 1387).
 8. Education (p. 1390).
 9. Engineering (General) (p. 1391).
 10. Engineering (Special Branches) (p. 1392).

Aeronautics (p. 1392).	Mining and Mining Engineering (p. 1394).
Agricultural Engineering (p. 1393).	Naval Architecture and Marine Engineering (p. 1394).
Chemical Engineering, v. 16.	
Civil Engineering (p. 1393).	
Electrical Engineering (p. 1393).	
Mechanical Engineering (p. 1394).	
 11. Fisheries (p. 1395).
 12. Medicine and Surgery (General) (p. 1396).
 13. Medicine and Surgery (Special Subjects) (p. 1403).

Anatomy (p. 1403).	Oto-Rhino-Laryngology (p. 1407).
Bacteriology (p. 1403).	Pædiatrics (p. 1407).
Biochemistry, v. 16.	Pathology (p. 1407).
Cancer (p. 1404).	Physiology (p. 1408).
Cardiology (p. 1405).	Preventive Medicine (p. 1409).
Diseases of Children (p. 1405).	Tropical Medicine and Hygiene (p. 1410).
Neurology and Psychiatry (p. 1405).	Tuberculosis (p. 1410).
Obstetrics and Gynæcology (p. 1406).	Urology (p. 1410).
Ophthalmology (p. 1406).	
Orthopædic Surgery (p. 1407).	
 14. Psychical Research (p. 1411).
 15. Science (General) (p. 1411).
 16. Science (Special Subjects) (p. 1419).

Astronomy (p. 1419).	Mathematics, v. 5.
Biochemistry (p. 1419).	Metallurgy (p. 1425).
Biology (p. 1420).	Nutrition (p. 1426).
Botany (p. 1421).	Pharmacy (p. 1426).
Chemical Engineering (p. 1421).	Physics (p. 1427).
Chemistry (p. 1422).	Physiology (p. 1428).
Colloid Science (p. 1424).	Zoology (p. 1428).
Geology (p. 1424).	
 17. Theology (p. 1429).
 18. Prizes (p. 1429).

I. 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 £350 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, Ceylon, 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) *Ida Smedley MacLean Junior British Scholarship*, £100, offered annually to a British woman graduate not over 25 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) *City of London 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. *Barile Frere Exhibitions*, for study or research in any branch of knowledge relating to any part of the British Empire except the U.K., India, and Pakistan. Tenable normally in Cambridge for 1 yr. but may be prolonged for a 2nd yr. This competition is open to all.

* † ‡ CAMBRIDGE UNIV.: CHRIST'S COLL. *Research Studentship*. Annual value not more than £300, normally tenable for 2 yrs. Successful candidate must read for Cambridge Ph.D. Further particulars from the Master.

* † ‡ 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, Canada, and S. Africa. The student should normally affiliate and read for an Hons. B.A. degree, but in exceptional circumstances he may be permitted to do research instead. The subject may be any in the curriculum of Cambridge Univ. On each occasion the award will be assigned primarily to a particular Univ. or similar institution for purposes of nomination. The *Giblin Studentship* for an Australian and the *Crawford Studentship* for a South African (with preference on this occasion for the Univ. of Cape Town) will be awarded for Oct. 1952. The *Orford Studentship* for a New Zealander and the *Grainger Studentship* for a Canadian will be offered for Oct. 1953. 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 post-graduate 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.

* 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.

(ii) Senior Scholarships, £350 p.a. plus £100 for expenses.

(iii) Scholarships, £300 p.a.

(iv) Special awards, dependent upon the nature of the research, for special research projects.

(v) Grants-in-aid of research.

Application forms supplied by the Secretary, 22 Hanover Street, Edinburgh. Closing date for applications: March 15 in each academic yr. All awards are made for 1 yr. in the first instance.

(The following instn. does not grant scholarships but makes loans.)

* † 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.

* † 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.

* † (i) DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *College Postgraduate Studentships*, £200 p.a., and normally tenable for 2 yrs. at King's Coll. Open to graduates with high qualifications. Applications to Registrar, not later than May 15 in each yr.

* † † (ii) *Kemsley Fellowship*, £400 p.a., tenable for 1 yr. but renewable to a max. of not more than 3 yrs., in any dept. of the Univ. which the Cttee. of Award may from time to time select. Open to graduates of other Univs. for advancement of knowledge of their subject by study in the Univ. of Durham, having regard to the social, economic, and other needs of the 4 northern counties. Particulars from Registrar.

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. 1952, Medicine. Applns. by May 15 to the Secretary of the Univ.

* (ii) *Shaw Macfie Lang Fellowship*, £220 p.a. approx., tenable for 2 yrs. at an approved institution in a subject decided from time to time by the Senate of the Univ. Open to honours graduates of Scottish Univs.

* † † (iii) *Postgraduate Studentships, Research Grants and Fellowships* (financed from general Univ. funds). *Studentships*, up to £250 p.a. for 1 yr., with possibility of extension. Open to graduates of a recognized

Univ. of Class I or II Hons. standing who propose to take Hons. in a second subject or undertake equivalent advanced study in the Univ. of Edinburgh. *Research Grants*, available to graduates of any Univ. carrying out research under the direction of the Hd. of a Dept. of the Univ. of Edinburgh. *Fellowships*, £450 or £650 p.a. for original research, normally at the Univ. of Edinburgh. Open to graduates of any Univ. Further particulars from the Matriculation Office or from the Offices of the Deans of the Facs. of Medicine and Science.

† HUDSON'S BAY COMPANY. *Hudson's Bay Scholarships*. Purpose : to encourage the study of business administration, to contribute to the higher education of business executives, and to strengthen the links between the business communities in Canada and the U.K. Normally, 2 scholarships awarded annually in Canada for study in the U.K. at an appropriate Univ. or other educational institution. Value, £450 p.a. plus transportation expenses between Canada and U.K. Applicants must be Canadian-born subjects ordinarily resident in Canada, and must be between 23 and 30 yrs. of age. Further information from the Secretary, Hudson's Bay Scholarships Trust, Hudson's Bay House, Winnipeg, Manitoba, Canada.

* † † HULL UNIV. COLL. *Research Awards* in Arts (including Economics) 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.

* † † 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 £355-£600.

Further particulars from the Secretary.

* † LEICESTER UNIV. COLL. (i) *Research Scholarships* of £250 p.a. for 2 yrs., tenable in any dept. of the College. Open to graduates of Univs. in British Commonwealth.

(ii) *Postgraduate Studentships* (approved for award of State Scholarships) for 2 yrs., tenable in any dept. of the College. Open to graduates who wish to read for 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 mos. 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 1953. 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 Secretary.

* † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Tutorial Studentships* of £350 p.a. are offered in several Departments, and are renewable annually to a maximum of 4 yrs. Open to graduates of any Univ. who are reading for a higher degree. The holders will be required to assist in their Departments for 6 (in some cases 9) hours per week. Vacancies do not normally recur annually but are advertised in the Public Appointments column of *The Times* about May.

* † ‡ LONDON UNIV.: ROYAL HOLLOWAY COLL. (i) *Jubilee Research Fellowship*, tenable for 2 yrs. Intended to promote research work, preferably in those subjects in which Univ. courses are provided at the Coll. Open to women of any nationality who have already shown ability for research. The Fellowship includes all the privileges of a resident member of the staff, including board and residence in Coll. for about 45 weeks a yr. and a stipend of £250 p.a. paid terminally in advance. Last award 1949. Next award probably 1952.

* † ‡ (ii) *Postgraduate Studentships*. 5 of £60 p.a., 10 of £40 p.a.; normally tenable for 2 sessions. Eligible for supplementation by the Ministry of Education. Awarded annually. £60 Studentships open to women only; holders must be resident. £40 Studentships open to

both men and women; holders may, if women, be resident. Both open to graduates of any Univ. qualified to undertake research work, and to any present students of the Coll. who wish to take up research or advanced study and who are completing their degree course in the year in which they apply.

Further particulars from the Registrar.

* † ‡ LONDON UNIV.: WESTFIELD COLL. (for women). (i) Four resident *Research Studentships* open to women graduates of any Univ. in Arts, and in the case of Mathematics, in either Arts or Science. Value £250, from which is deducted the M.A. or Ph.D. fee and £130 for 3 terms' residence.

(ii) *Postgraduate Studentships* (up to 6), value £40 p.a. and eligible for supplementation by the Ministry of Education. Subject to the same conditions as are given above and open to women of any Univ. who have recently graduated or who are in their final undergraduate year.

Applications (14 sets) for the ensuing academic year should be made in Feb. 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.

* † ‡ (iii) *Old Ashburnian Scholarship* of the value of £100 for 1 yr. Open to women graduates of approved Univs. Scholar required to reside in Ashburne Hall during tenure. Preference to candidates who will read for a higher degree of Manchester or engage in research in the Univ. Last date of applications, July 15. The Scholarship will be offered in 1953.

* MINISTRY OF EDUCATION, Curzon Street, London, W.1. *State Scholarships* are available in respect of certain postgraduate awards at Univs. and Univ. Colls. in England and Wales. Candidates must have begun a degree course not before Oct. 1946, and must normally be resident in England or Wales. Ministry pays approved fees and a sum, subject to financial circumstances of student and parents, to bring resources up to approved standard figure of maintenance for the Univ. concerned. Particulars from Registrars of Univs and Univ. Colls.

* † ‡ NOTTINGHAM UNIV. (i) A limited number of *Postgraduate Studentships* in the Faculties of Arts (including Economics, Law and

Social Studies), Education, Pure Science, Applied Science, Agriculture and Horticulture; tenable for 1 yr. but renewable for a 2nd and 3rd yr., usually at the University, but permission may be granted for some period to be spent elsewhere. Value £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 yr. 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.

† NUFFIELD FOUNDATION, 12-13 Mecklenburgh Sq., London, W.C.1. *Dominion Travelling Fellowships*. For Australia, Canada, New Zealand, and S. Africa, the subjects are Medicine, Natural and Social Sciences, and Humanities. For Ceylon, India, and Pakistan, the subjects vary from year to year. The awards are to enable qualified men and women to obtain in the U.K. such postgraduate training as will assist them to become teachers and research workers in their particular field on return to their own Dominion. Award includes cost of travelling to and from G. Britain. Tenable for 1 yr.

Further particulars from applicant's own Dominion: *Australia*—Maurice Brown, Esq., c/o Australian National Univ., Canberra, A.C.T. *Canada*—G. V. Ferguson, Esq., Montreal *Daily Star*, 241-5 St. James St., Montreal. *Ceylon*—H. J. Balmond, Esq., c/o Univ. of Ceylon, Colombo 3. *India*—K. Vyasulu, Esq., c/o Planning Commission, Govt. House, New Delhi. *New Zealand*—Dr. C. M. Focken, Univ. of Otago, P.O. Box 56, Dunedin. *Pakistan*—M. A. Latif, Esq., Dep. Sec. to Ministry of Educn., Karachi. *S. Africa*—A. E. Makin, Esq., P.O. Box 395, Pretoria.

* † † 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 £600 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.

* † † ROTARY INTERNATIONAL, 35 East Wacker Dr., Chicago, Ill., U.S.A. *Rotary Foundation Fellowships*. Tenable for 1 academic yr. at a Univ. in some country other than applicant's own. No restriction on field of study but preference given to those which will in some way advance international relations. Candidates should be aged 20-28 and must have B.A. or equivalent. Value of award varies according to country of study and covers transportation, tuition fees, maintenance expenses, books, etc. Applications must be sponsored by Rotary Club nearest applicant's home. Enquiries should first be made during summer of previous yr. *Rotary International does not accept applications direct.*

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 reappointment. A candidate must be a graduate of a Univ. in the British Isles, or of some other approved Univ. and a communicant member of the Church of England, preferably a person who is in, or intends to be in, Holy Orders. Further particulars from the Registrar.

* † ‡ SOUTHAMPTON UNIV. COLL. A limited number of awards are made by the Coll. for postgraduate research: (i) *Postgraduate Scholarships* of £100 p.a. (supplemented by the Ministry of Education). (ii) *Grants* not exceeding £260 p.a. These are given in exceptional circumstances only. All awards are tenable for 2 yrs. subject to satisfactory reports and in special cases may be renewed for a third yr.

Applicants must provide the Coll. Research Cttee. with full information as to the nature of the research proposed, and furnish, at the end of the academic yr., a report embodying an account of progress made in the work undertaken. Last day for applications, June 1. Further particulars from Academic Registrar.

2. AGRICULTURE, VETERINARY SCIENCE, ETC.

* † ‡ AGRICULTURAL RESEARCH COUNCIL, Cunard Building, 15 Regent St., 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 £220 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 p.a. 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 applications 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 tech-

niques 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.

Further particulars of the grants, studentships, and fellowships awarded by the Council are contained in the pamphlet *Careers in Agricultural Research*, obtainable from the Secretary of the Council.

* † 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.

EMPIRE COTTON GROWING CORPORATION, 12 Chantrey House, Eccleston Street, London, S.W.1. The Corporation from time to time offer *Postgraduate Studentships* to provide opportunities for advanced study or additional training in research methods in such subjects as plant breeding, entomology, genetics, plant pathology, and soil science. These studentships are normally tenable for either 1 or 2 yrs. at some selected Univ. or scientific institution, and their value is not less than £300 p.a. plus tuition and examn. fees and certain other expenses. Tenure of a studentship is the normal preliminary to appointment to the Corporation's staff abroad.

* † 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 offer 1952. Last date of appln., June 20.

Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships and Research Fellowships*, see under General (pp. 1367-1368).

* 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 qualifica-

tions 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 Hon. Secretary, United Dairies Scholp. Fund.

* WALES, UNIV. OF: BANGOR UNIV. COLL. *John Roberts Jones Scholarship* to pursue a postgraduate course of one or two yrs.' duration in Agricultural subjects. Value £55, renewable for second yr. Open to Science graduates of British Univs. Preference to candidates born in Anglesey or N. Wales.

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 £250-£325 p.a., plus essential fees, for the advancement of scientific knowledge directly related to the production or processing of iron and steel may be awarded to students desirous of studying for a higher degree in Metallurgy, Physics, Chemistry, or Engineering. Open to graduates who are holders of a Science degree or an equivalent qualification in a 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 have good degrees, not necessarily in Science. Study to be undertaken in Textile Chem., Textile Technol., Textile Engin. or Dyeing. Tenable at Leeds or Manchester Univ., or at other Univs. or technical colls. with appropriate facilities, 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) *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 Econ. and Sociol. (p. 1388).

* † ‡ (xi) *Coal Tar Research Association Scholarships*. £325 p.a., tenable for 2 yrs. and renewable. Open to candidates with a good Honours degree in Fuel, Chemistry, Physics, or a subject related to Chemical Technology; in exceptional circumstances the award may be made to a non-graduate. For research in a subject connected with the Coal Tar Industry. Applications to Registrar by June 1.

* † ‡ (xii) *Smith-K.L.G. Research Scholarship* for res. on ceramic materials, particularly refractory oxides, £350 p.a., tenable for two yrs. and renewable. Open to candidates with a good Hons. degree in Fuel, Chemical Engin., Chem., Phys., or a subject related to Ceramic Technol.

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 or Physics as subsidiary, subject, 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. (p. 1389).

* † ‡ (ii) *Wool Research Scholarship*. See Econ. and Sociol. (p. 1389).

* † ‡ 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 (pp. 1367-1368).

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, in April.

SHEFFIELD UNIV. * † ‡ (i) *Coke Research Fellowship*, £350 for 1 yr. with possibility of renewal, tenable in the Department of Fuel Technology in the Univ. for the prosecution of research on a subject connected with the coking industry. Open to graduates of any recognized Univ.

* (ii) *G. C. Carlisle Research Scholarship* in Metallurgy, see under Science (Special), *Metallurgy* (p. 1425).

Further particulars in each case from the Registrar.

* † ‡ TEXTILE MACHINERY MAKERS, LTD., 60 Huddersfield Road, Oldham. The Sir Walter Preston Scholarship and Fellowship Trust :

(i) *Research Fellowships*. Value £300-£350 p.a. for 1 to 3 yrs. Candidates must have obtained Honours degree in Science.

(ii) *Fellowships*. Value £400-£550 p.a. for 1 to 4 yrs. Candidates must have obtained M.Sc. (Tech.) or be a graduate of a Univ. with an appropriate Hons. degree and have some experience in research.

Application to the Secretary at above address.

* † ‡ 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.: DOWNING COLL. *Graham Robertson Research Fellowship*. Normally offered once in 3 yrs., to encourage advanced study and research in the Arts and Humanities, including all or any of the following: Painting, Sculpture, Architecture, Literature, Music, Drama, the Fine Arts (including Hist. of Fine Arts), Æsthetics and allied branches of Philosophy, Archæology. Value about £350 p.a., together with the usual privileges of a College Fellowship. Tenure, 3 yrs. in first instance. Last offer 1950. Further particulars from the Master.

* † † CAMBRIDGE UNIV.: GIRTON COLL. Fellowships from the *Eugénie Strong, Jex-Blake, and Pfeiffer* Foundations. Value at most recent offer, £300 p.a. with free residence, for 3 yrs. Normally tenable at Girton. Open to women graduates of any Univ. Tenure from Oct. 1. Offered from time to time. Further particulars from the College Secretary.

* † † 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 (p. 1364).

* † † HARVARD UNIV. *Frank Knox Memorial Foundation*, see Appendix III (p. 1436).

* † † 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.

* † LEICESTER UNIV. COLL. *Research Scholarships and Postgraduate Studentships*, see under General (p. 1365).

* † † 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. Applications to the Director not later than April 15.

* † † 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. (i) *Postgraduate Studentships and Research Fellowships*, see under General (pp. 1367-1368).

(ii) *Arts Research Scholarship*, £50 p.a. for 1 or 2 yrs. Open to graduates of any approved Univ. Holder must read for a higher degree in one of the depts. of Fac. of Arts. Applicns. to Registrar, not later than July 1.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General (p. 1368).

* † 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 £250 p.a. for 2 yrs. Open to graduates of any Univ. Awarded for Archæological, Ethnological, Sociological, or Linguistic exploration and research in the less-known regions of Asia and Northern Africa. Candidates must submit a detailed project of investigation and satisfactory evidence of their experience of such work and their capacity to undertake the particular research proposed. Applications by Jan. 31 to the Secretary of the Univ.

EMSLIE HORNIMAN ANTHROPOLOGICAL SCHOLARSHIP FUND. *Horniman Anthropological Studentships*. One or more awarded annually. Open to Univ. graduates and others able to show that they are likely to

profit by the study of anthropol. Normally tenable for maximum of 2 yrs. at any recognized Univ. and may include a period of field work. Value according to circumstances of each case. Preference given to those who intend to continue their studies or researches outside Europe. Last date for receipt of applicns., April 1. Further particulars from the Secretary of the Fund, Royal Anthropological Institute, 21 Bedford Square, London, W.C.1.

* † ‡ 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.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts (General)* (p. 1378).

Architecture, Art, and Archæology

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*, *see under Arts (General)* (p. 1377).

* † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Archæology, *see Anthropology* (p. 1378).

* † ‡ LEEDS UNIV. *Harold Tetley Postgraduate Studentship* in the History of Art in Yorkshire, value £200 p.a., tenable for 2 yrs.

* † ‡ LONDON MUSEUM, Kensington Palace, London, W.8. *Leverhulme Research Studentship* for Archæology or History connected with London, offered biennially, value £300 p.a. Open to all graduates without restriction. Next award probably 1953.

For further particulars apply to the Secretary.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize*, *see under Classics* (p. 1380).

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships* in History of Art, etc. *See under Arts (General)* (p. 1377).

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts (General)* (p. 1378).

Classics

CAMBRIDGE UNIV. *Sir Perceval Maitland Lawrence's Bequest*. Grants may be made for the furtherance of classical studies.

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*, *see under Arts (General)* (p. 1377).

* 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* (p. 1366).

* † † LONDON UNIV. : KING'S COLL., Strand, London, W.C.2. *Ronald Burrows Memorial Prize*, value about £30, offered annually to a graduate of a British Univ. or of the Univ. of Athens. Applications to reach the Principal by June 30. The holder to pursue an approved course of advanced study in Ancient, Mediæval, or Modern Greek Language, Literature, or History or in Greek Archæology.

LONDON UNIV. : UNIV. COLL. *Hollier Scholarship* in Greek. Value £55 a yr. for 2 yrs. Scholar must pursue a course of study and research for a higher degree at Univ. Coll. or, in exceptional circumstances, elsewhere. Applicns. to Coll. Registrar on or before May 15. Eligible for supplementation by Ministry of Education in certain circumstances.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts* (General) (p. 1378).

English

* † † CAMBRIDGE UNIV. : DOWNING COLL. *Graham Robertson Research Fellowship, see under Arts* (General) (p. 1377).

* † † 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* (p. 1366).

Geography

* † † DURHAM UNIV. : THE DURHAM COLLS. *Research Fellowship in Pure Science, see under Science* (General) (p. 1413).

* † † LONDON UNIV. : BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship in Geography, see under General* (p. 1366).

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts* (General) (p. 1378).

Hebrew (see also p. 1385)

LONDON UNIV. : UNIV. COLL. *Hollier Scholarship* in Hebrew. Value £55 a yr. for 2 yrs. Scholar must pursue a course of study and research for a higher degree at Univ. Coll. or, in exceptional circumstances, elsewhere. Applicns. to Coll. Registrar on or before May 15. Eligible for supplementation by Ministry of Education in certain circumstances.

History

* † CAMBRIDGE UNIV. *Holland Rose Studentship* in History, £150 p.a. for 1 yr. with possibility of re-election for a 2nd yr., tenable at Cambridge. Open to male graduates of Univs. within the British Commonwealth.

* CAMBRIDGE UNIV.: GIRTON COLL. *Graduate Scholarship* for Historical Research, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of United Kingdom Universities. Offered from time to time.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *See under General.*

* † † LONDON MUSEUM. *Leverhulme Research Studentship*, *see under Art and Archæology* (p. 1379).

* † † LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in History, *see under General* (p. 1366).

* † † 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 (i) before May 30, 1953.

* † † LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize*, *see under Classics* (p. 1380).

* † † LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social and Economic History, *see under Economics and Sociology* (p. 1388).

* † LONDON UNIV.: UNIV. COLL. (i) *Sir William Meyer Studentship* for the study of European Hist. and the Hist. and Geog. of India in alternate yrs., £120 each, normally tenable for 1 yr. Open to graduates of Univs. of the Commonwealth studying for approved higher degrees of the Univ. of London. Applications to the Registrar of the Coll. on or before May 15.

* † † (ii) *Goldsmiths' Company Postgraduate Studentship* in London History. £300 for 1 yr., renewable for 2nd yr.; may be awarded when there is a vacancy. The Student must pursue a course of study and research at Univ. Coll. Open to graduates of British nationality who are resident in the U.K. Applicns. to Coll. Registrar on or before May 15.

* † † LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships*, *see under Arts (General)* (p. 1377).

* † † MANCHESTER UNIV. (i) *Edmund Roscoe Postgraduate Scholarship*, £50 for 1 yr., renewable for a 2nd yr., normally tenable at the

above. Open to persons of British nationality who have studied Hist. in any Univ. or Univ. Coll. Offered alternately with the Pickles post-graduate studentship. Next offer 1952. 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 1953. 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* Econ. and Sociol. (p. 1390).

* † † SHEFFIELD UNIV. *Knoop Research Fellowship* in Economic History, *see under* Economics and Sociology (p. 1390).

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) (p. 1378).

* † † WALES, UNIV. OF: BANGOR UNIV. COLL. *Lloyd George Research Scholarship* for research in the history of Wales. Annual value about £70, renewable for 2nd yr. Preference to graduates of Univ. of Wales.

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. Next offer 1955.

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 1952. Candidates must be under 32 yrs. on Jan. 2, 1952, 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, 1952.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowship in Scots Law*, £250: *Scholarship*, £150. See under General (p. 1364).

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, see under General (p. 1364).

* 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.

Librarianship

LONDON UNIV. : UNIV. COLL. *Librarianship and Archives Exhibitions* (2) of £40 each for 1 yr. ; may be awarded annually to enable a graduate to take a full-time course leading to the Academic Postgraduate Diploma in Librarianship or in Archive Administration. Applications to Coll. Registrar on or before May 15. Eligible for supplementation by Ministry of Education in certain circumstances, if held by a graduate of a British Univ.

Mathematics

* † ABERDEEN UNIV. *Robbie Scholarship* in Mathematics, *see under Science (General)* (p. 1411).

* † † CAMBRIDGE UNIV. : GIRTON COLLEGE. *M.T. Meyer Studentship* for research in Maths., or for a course of advanced study leading up to such research, value £15-£60, tenable for 1 yr. at Girton. 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)* (p. 1413).

* GLASGOW UNIV. *Ferguson Scholarships*, *see under Arts (Special Subjects)*—Classics (p. 1379).

* † † LONDON UNIV. : BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Mathematics, *see under General* (p. 1366).

* † † 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 Mathematical Research. Last date for applns., June 20. Due notice will be given of the next offer.

Further particulars from the Registrar.

ROYAL SOCIETY. *Yarrow Research Professorships*, *see Science (General)* (p. 1417).

* † † TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships*. *See under Applied Science and Technology* (p. 1376).

Modern Languages

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *See under General* (p. 1364).

* 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 (p. 1366).

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize*, *see under* Classics (p. 1380).

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) (p. 1378).

Music

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*, *see under* Arts (General) (p. 1377).

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, *see under* General (p. 1364).

* GLASGOW UNIV. *McCaig Scholarship*, *see under* Arts (Special Subjects)—Modern Languages (p. 1384).

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Traveling Scholarship* in Music, *see* Appendix III (p. 1440).

Oriental and African Studies (see also p. 1380)

* 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-£300 p.a.,

tenable at the Univ. for 3 yrs. Open to graduates of Univs. within the British Commonwealth whose degrees are approved for senior status.

Further particulars from the Registrar.

* † ‡ 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.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts (General)* (p. 1378).

Philosophy and Psychology

* † ‡ CAMBRIDGE UNIV. : DOWNING COLL. *Graham Robertson Research Fellowship*, *see under Arts (General)* (p. 1377).

CAMBRIDGE UNIV. : NEWNHAM COLL. * † ‡ (i) *Sarah Smithson Fellowship* in Psychology or Philosophy (incl. Class. Philos.), £250 p.a. for 3 yrs., tenable at Newnham Coll. Open to graduates of any Univ. Awarded on dissertation or other written work. Applications to the Principal before March 1. Awarded from time to time as funds permit.

* (ii) (a) *Sarah Smithson Studentship* for research in Philosophy, Psychology, or Classical Philosophy, £200 for 1 yr., tenable at Newnham College. Open to past or present students of Girton and Newnham Colleges who have completed a degree course, and to graduates of other Univs. of Gt. Britain and Ireland. (b) *Sarah Smithson Scholarship* : awarded on same conditions as *Studentship* if no suitable candidate for that award. Value is the same as *Studentship*, but holder expected to work for a Tripos Examn. in one of the specified subjects.

* GLASGOW UNIV. *Ferguson Scholarships*, *see under Arts (Special Subjects)*—Classics (p. 1379).

* † ‡ 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* (p. 1366).

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts (General)* (p. 1378).

6. DENTISTRY

* † ‡ DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne. *Parker Brewis Dental Research Scholarship*. Tenable for 1 yr. as from Aug. 1, renewable for 2nd and 3rd yrs. Open to graduates and licentiates in Dental Surg. who undertake to carry out research in dental subjects in the Sutherland Dental Sch. Further particulars from, and applicns. to, Dean of Med., before July 1.

* **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.

7. 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 Registrar and Secretary.

* † ‡ **CAMBRIDGE UNIV.** *Research Studentship* in Economics ; value not less than £150 nor more than £400 p.a. Open to graduates, or persons about to become graduates, of any Univ. other than Cambridge. Awarded from time to time as funds permit.

* † ‡ **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* (p. 1364).

* † ‡ **DURHAM UNIV. : KING'S COLL., Newcastle upon Tyne.** *Kemsley Fellowship.* *See under General* (p. 1364).

HOUBLON-NORMAN FUND. *Fellowships or Grants* are awarded to aid research into the working of financial and business institutions in Gt. Britain and elsewhere and the economic conditions affecting them. Normally awards are confined to British-born subjects usually resident in the U.K. Tenable for 1 yr. but renewable for a 2nd yr. Value varies according to individual circumstances. Further particulars and application forms from the Secretary of the Fund, c/o The Bank of England, London, E.C.2.

* † ‡ **HULL UNIV. COLL.** *Research Awards.* *See under General* (p. 1365).

* † ‡ 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.

* † LEICESTER UNIV. COLL. *Research Scholarships and Post-graduate Studentships*, see under General (p. 1365).

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 any Univ., 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 (p. 1366).

* † ‡ 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 1952. 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 Aug. 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. 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. Next offer 1952. Applns. by June 15.

* † † (v) *Maclaren Cotton Industry Research Scholarship*, £100 for 1 yr. Open to graduates of not more than 3 yrs.' standing, for encouragement of research in a subject bearing upon the cotton industry. Preference to graduates of Manchester. Last date for applns., June 1 in the yr. of award. Next offer 1952.

* † † (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 1952.

Further particulars from the Registrar.

* † † NOTTINGHAM UNIV. *Postgraduate Studentships and Research Fellowships*, see under General (pp. 1367-1368).

NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.1. † (i) *Dominton Travelling Scholarships*. See under General.

* (ii) *Sociological Scholarships and Bursaries*. To enable selected persons who have graduated in other academic subjects, esp. Science and Maths., to receive a training in one of the social sciences. Open to either sex; usual age limits, 22-35. Tenable for 1 yr. Renewable up to maximum

of 3 yrs. Normal value of scholp., £500-£600 p.a. ; of bursary, £350 p.a. Applicns. by May 1. Further particulars from the Secretary at above address.

OXFORD UNIV. : NUFFIELD COLL. *Postgraduate Studentships*. Open to men and women graduates for res. in Social Studies. Awarded in first instance for 1 yr., but may be extended for further yr. Financial assistance may be granted to Students without other resources. Students as a rule are required to work for one of the res. degrees, D.Phil., B.Litt., or B.Sc. ; permission may be given to work for the degree of B.Phil. Residence in Oxford during term is normally required. Studentships are usually taken up in Oct. ; applicns. in May.

* 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. *Knoop Research Fellowships and Studentships* for research in the Univ. in Economics and Economic History. Value : *Fellowships* £425, *Studentships* £300 p.a., tenable for 3 yrs. ; open to graduates of any Univ. Further particulars from the Registrar.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) (p. 1378).

8. 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 4 yrs., 1949-53, 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 (p. 1388).

* † † 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, Curzon Street, London, W.1. A number of special 1-yr. courses planned to provide advanced work in particular fields of education and intended to equip teachers of experience for more responsible posts are provided at certain Univs. and other training institutions. Admission is, in general, limited to Qualified

Teachers of not less than 5 yrs.' teaching service, who are specially selected for their teaching ability and for their capacity to benefit from such a course. A special rate of grant, which is announced in an Administrative Memorandum issued annually by the Ministry, is available for these courses. Teachers should apply to their Local Education Authority for further particulars.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships and Research Fellowships*, see under General (pp. 1367-1368).

9. 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 (p. 1373).

* † 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.

CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship*. See under Science (Special Subjects)—Chemistry (p. 1423).

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) (p. 1412).

* † ‡ 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. Next offer 1952.

Further particulars from the Registrar.

* MINISTRY OF EDUCATION, Curzon Street, London, W.1. *Whitworth Senior Scholarships* (maintained by Sir Joseph Whitworth's Foundation). Two awarded each year, value £325 p.a., tenable for 2 yrs., for a course of further training in industry, or for research work. Open to students under 26 yrs. of age who hold an Engineering degree or recognized diploma of a Univ. or Coll. of Great Britain or Northern Ireland, or a Higher National Diploma or Certificate in Mechanical or Production Engineering, with at least two distinctions, or who are in

the final year of study leading to one of these qualifications. Candidates are required to have been engaged in an engineering works for not less than 24 mos., and must submit a thesis to the Ministry, between March 1 and April 1, on one of a group of subjects. Regulations with syllabus obtainable (3d.) from H.M. Stationery Office, Kingsway, London, W.C.2.

ROYAL SOCIETY. *Yarrow Research Professorships* and *Warren Fellowships*, see Science (General) (p. 1417).

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Traveling Scholarships* in Engineering, etc., see Appendix III (p. 1440).

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Engineering, see under Science (General) (p. 1413).

† UNITED KINGDOM GOVT. *Athlone Fellowships*. 38 awarded annually to enable Canadian Engineering Graduates to take post-graduate training in the U.K. 28 are for graduates immediately after graduation, and 10 for graduates who have already spent some time in industry. Fellowships will cover costs of transport, fees, and maintenance and be tenable normally for a maximum period of 2 yrs. Available for one of the following options: (1) works training in one or more approved industrial organizations; (2) postgraduate studies in a U.K. Univ. or coll. or research establishment; (3) a combination of (1) and (2); (4) research in a U.K. Univ. leading to M.Sc. or Ph.D. Further particulars from, and applicns. to, the Registrar of candidate's own Univ.

* † ‡ 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.

10. ENGINEERING (Special Branches)

Aeronautics

BUSK TRUSTEES. *Bush Studentship* for research in Aeronautics. Value about £300 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.

ROYAL AERONAUTICAL SOCIETY, 4 Hamilton Place, London, W.1. *Royal Aeronautical Society Charter Scholarship*. One or more scholps. may be awarded annually to assist students wishing to undertake advanced work or study in aeronautics. Value up to £300 p.a., tenable for 1 yr. with possibility of renewal for a 2nd yr. Further particulars from the Secretary at above address.

* ROYAL COMMISSION FOR THE EXHIBITION OF 1851. See under Naval Architecture and Marine Engineering (p. 1395).

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Aeronautics, etc. See Appendix III (p. 1440).

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) *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) (p. 1421)

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. Application should reach the Registrar by June 1.

LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY.

* † *Concrete Technology Bursaries*, tenable for 1 yr., renewable for 2nd yr. Value £300. Open to graduates in Engineering of a British Univ. Further particulars from 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.

* INSTITUTION OF ELECTRICAL ENGINEERS, Savoy Place, London, W.C.2. *Research Scholarships*. The following are normally offered for award each yr.: (i) *Ferranti Scholarship*, £250 p.a. for 2 yrs.

(ii) *Oliver Lodge Scholarship*, £420 for 1 yr. but may be extended for 2nd yr.

(iii) *I.M.E.A. Scholarship*, £400 for 1 yr. but may be extended for a further period not exceeding 2 yrs.

(iv) *Swan Memorial Scholarship*, £120 for 1 yr.

(v) *C. P. Sparks War Thanksgiving Fund*, a grant not exceeding £100 for 1 yr.

Further particulars and application forms from the Secretary at the above address. Closing date for receipt of applications is June 1.

* † † LONDON UNIV. : 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. * † (i) *Jas. Watt Fellowship* in Mech. Engin., £450, tenable for 1 yr. in the Dept. of Mech. Engin., renewable. Candidates should be Hons. graduates in Engin. of a British Univ. Preference to those who have had at least 1 yr.'s experience of postgrad. research.

* † † (ii) *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.

* † † TEXTILE MACHINERY MAKERS, LTD. *Sir Waller Preston Scholarships and Research Fellowships*. See under Applied Science and Technology (p. 1376).

Mining and Mining Engineering

ROYAL SOCIETY. *Tyndall Research Fund*, see under Science (General).

Naval Architecture and Marine Engineering

INSTITUTION OF NAVAL ARCHITECTS, 10 Upper Belgrave Street, London, S.W.1. * (i) *Sir William White Postgraduate Scholarship* (part-time) in Naval Architecture (incl. Shipbuilding and Marine Engin.), £150 p.a. for 2 yrs., awarded biennially. Other professional work may be carried on concurrently, 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 Secretary, Institution of Naval Architects, 10 Upper Belgrave Street, London, S.W.1.

11. 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 awarded in 1951 did 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. in Sci. 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.

* † 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.

12. 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.

* † † ASSOCIATION OF SURGEONS OF GT. BRITAIN AND IRELAND. *Moyrihan Prize*. See under Prizes—Surgery (p. 1432).

* † 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 Memorial Scholarship*, annual value of each not more than £250. (iii) 4 other *Research Scholarships*, annual value of each not more than £200.

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) *Gwyneth Pretty Research Studentship*, of £250 for 3 yrs., for research in the ætiology, pathology, or treatment of disease with particular reference to diseases which disable in childhood or early life, tenable at Cambridge, exceptionally elsewhere. Offered triennially or as casual vacancies occur. Open to graduates of any Univ.

* † ‡ (iii) *John Lucas Walker Studentship*, not exceeding £500 a yr., 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 about £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 Registrars under the N.H.S. Act. Further particulars from the Professors of Pathology and Biochemistry, Univ. of Cambridge.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND, *see under* General.

* † † DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Luccock Medical Research Fellowships*, Senior £750 p.a., and Junior £300 p.a., for research in Medicine, including Dental Surgery, tenable at King's Coll. The Sr. Fellowships, which are tenable for a period not exceeding 3 yrs., are open to any person who, by publication or otherwise, has proved himself able to carry out original research. Candidates for Jr. Fellowships, which are tenable for 1 yr. or as may be decided, must hold medical, dental, or scientific qualifications.

Further particulars from the Registrar, King's Coll., Newcastle upon Tyne, 1.

* † † EDINBURGH UNIV. (i) *Richard Brown Scholarship*, *see under* General.

(ii) *Whaitt Research Scholarship* for research in a branch of Medicine specified by the Univ., £250 for 1 yr. plus research expenses allowance not exceeding £50, renewable for a 2nd yr., tenable at the Univ. Open to graduates of any approved Univ. or licentiates of an approved Coll.

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 £450 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 post-graduate 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. Fellows' basic maintenance allowance, £750 p.a. There are additional allowances for Fellows working abroad, and home maintenance allowances for married Fellows. Certain travelling allowances are also made. Further particulars from the Asst. Director.

* † † LONDON UNIV.: CHARING CROSS HOSPITAL MEDICAL SCHOOL. *Gosse Postgraduate Scholarship.* Awarded annually for pt.-time research in an approved medical science. Value £300, tenable for 1 yr., at the School; may be renewed for not more than a 2nd yr. Candidates must be male postgraduates in any of the medical sciences and be natives of Gt. Britain. Applications to Secretary by June 30.

* † † LONDON UNIV.: KING'S COLL. 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 or Pakistan. 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 pre-clinical or clinical depts. Open to registered medical practitioners. Applications by May 31 to the Secretary.

* MCCUNN TRUST. *Medical Research Scholarships* for higher study or original research in Medicine and allied subjects, £400 p.a., tenable for 1 yr. or more at an approved institution at home or abroad; and *Travelling Scholarships* of £100 p.a. tenable for such period less than a yr. as the Trustees may approve. 4 Scholps. will be available each yr., of which at least 1 will be a Res. Scholp and at least 1 a Travelling Scholp. The other 2 may be of either class. Open to Graduates in Medicine of not more than 5 yrs.' standing in a Scottish Univ. Forms of application to be obtained from, and sent in by Sept. 1. each yr.

to, Mitchells, Johnston & Co., Solicitors, 160 West George Street, Glasgow, C.2.

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.

* † † (i) *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.

* (ii) 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.

* (iii) *Fellowships* in Clinical Research and related basic subjects. Value £850 × £75-£1000 p.a., tenable for 1 to 3 yrs. Open to suitably qualified medical graduates with clinical experience who contemplate a career in clin. res. and who would profit by a period of postgraduate training in the basic sciences; normally restricted to British subjects resident in the U.K.

Further particulars from the Secretary.

* 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 (p. 1368).

OXFORD UNIV. † (i) *Nuffield Foundation Dominions Demonstratorships and Clinical Assistantships*. Open to graduates of the Universities of Adelaide, Melbourne, Queensland, and Sydney, Australia; New Zealand; Cape Town, Pretoria, and Witwatersrand, South Africa. Appointments to be made by the Univ. of Oxford on the nomination of the candidate's Univ.

* † (ii) *Medical Scholarships*. Open to members of Univs. in U.K., Canada, Australia, New Zealand, and S. Africa, to read for B.M. degree or equivalent degree of own Univ. and complete clinical studies at Oxford. Value £250-£350 p.a. for from 3 to 5 yrs. Travelling expenses for Dominion scholars. Not confined to graduates. Further particulars from Secretary of Faculties.

* 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.

(iii) *Kirk Duncanson Fellowship for Medical Research*. Awarded by the Council of the College from time to time and subject to such conditions and regulations as the Council may appoint. Value to be determined by the trustees of the Fund from time to time.

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 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) *Sir Arthur Sims Commonwealth Travelling Scholarship*, £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, Sir Arthur Sims of Christchurch, N.Z., that the institution of the Professorship will not only lead to the establishment of closer links between scientific workers in the Dominions and in the older seats of learning and centres of research, but that the people of all nations will benefit.

The appointment is made by the Royal Coll. of Surgeons of England on the nomination of the President, who is Chairman of an Advisory Board consisting of the Presidents of the Royal Coll. of Physicians of London, the Royal Coll. of Surgeons of England, the Royal Australasian Coll. of Physicians, 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*, *E. Alan Johnston, Lawrence, and Mosely Research Fellowship* and *Stothert Research Fellowships*, see under Science (General) (pp. 1417-1418).

* † 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 which is calculated to advance obstetrics and gynaecology. 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. (i) *J. G. Graves Medical Research Fellowship*, £1300 p.a., tenable for 3 yrs. with possibility of renewal for not more than 2 yrs., for full-time original research in any branch of Medicine approved by the Faculty of Medicine and carried out in one of the departments of the Univ. or in a teaching hospital associated with it. Open to graduates of any recognized Univ.

* † † (ii) *John Stokes Research Fellowship*. Value £500 p.a.,

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tenable for 3 yrs. with possibility of renewal for 2 yrs., for full-time research in one of the depts. of the Univ. Medical School or in a teaching hospital associated with the Univ. A candidate need not hold a registrable medical qualification.

Further particulars from the Registrar.

13. MEDICINE AND SURGERY (Special Subjects)

Anatomy

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Science (Special Subjects)—Biochemistry (p. 1420).

* † † 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 (p. 1404).

† LIVERPOOL UNIV. *John W. Garrett International Fellowship* in Bacteriol., about £400 for 1 yr., offered annually, renewable for 2nd yr. Failing a candidate in Bacteriol., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Univs. and Med. Schools in the U.S.A., and of other foreign Schools. In default of such candidates, graduates in Med. (Liv.) and graduates in Sci. of approved Univs. are eligible. Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or in other institutions approved by the Fac. of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 30.

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Science (Special Subjects)—Biochemistry (p. 1420).

* † 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) (p. 1401).

Biochemistry

See Science (Special Subjects) (p. 1419).

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.

* † 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 1950 these grants totalled over £157,000. 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 \$4000 plus cost of travel). Vacancies announced as they occur. Further particulars from the Secretary-General of the Campaign, 11 Grosvenor Crescent, Hyde Park Corner, London, S.W.1.

* † LEEDS UNIV. *Cancer Research Fellowships* given through Yorkshire Council of the British Empire Cancer Campaign. 3 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.

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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. *Proffit Studentships* (2), £500 p.a., with a possible additional grant of £200 towards expenses, are awarded by Special Trustees on the recommendation of the Royal Coll. for research in cancer at any approved institution; tenable in the first instance for 1 yr., renewable up to a maximum of 5 yrs. Open to qualified graduates of any Univ.

Further particulars from the Secretary.

Cardiology

* † ‡ LONDON UNIV. *Wiltshire Memorial Research Scholarship*, see under Medicine and Surgery (General) (p. 1399).

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 offer 1953. Last day of entry June 30.

Further particulars from the Registrar.

Neurology and Psychiatry

* † ‡ HENDERSON TRUST. *Henderson Research Scholarship*, £1000 p.a. for 1 yr., renewable for 2nd or 3rd yr., for study and research in nervous and mental disorders. The work may be clinical, pathological, psychological, or sociological and be carried out, preferably, in or near Glasgow. Open to fully qualified med. practitioners of either sex, holding a degree or other qualification of a British Univ., Coll., or School of Med., or to persons who have devoted themselves to the care of, or been specially interested in, mental defectives. Candidates must have shown capacity for original research. Other qualifications being equal, preference will be given to a Scottish applicant. Applications to 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. Next offer 1952. Applications not later than June 1.

Further particulars from the Registrar.

MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, London, S.W.1. * † ‡ (i) *Kathleen Schlesinger Research Fellowship*. Value £700-£1000 p.a., tenable for 1 to 3 yrs. Subject: Neuropathology. Open to suitably qualified graduates for whole-time research on brain cysts and allied conditions; preference will be given to candidates who elect to work on the mechanisms underlying degenerative processes affecting the brain. Applications invited by advertisement when Fellowship is vacant.

* † ‡ (ii) *Mapother Research Fellowship* in Psychiatry. Value £600-£800 p.a. plus £200 p.a. for research expenses, tenable for 1 to 3 yrs. Subject: Histochemistry of the nervous system. Open to suitably qualified graduates for whole-time research at the Institute of Psychiatry, Maudsley Hospital, London. Candidates should preferably have had experience in the use of both biochemical and histological methods. Applications invited by advertisement when Fellowship is vacant.

* † ‡ 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 Gynaecology

* † ‡ WALES, UNIV. OF: WELSH NATIONAL SCHOOL OF MEDICINE. *Ewen Maclean Research Scholarship* in Obstetrics and Gynaecology, £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.

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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. *Lambri-nudi 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 INSTITUTION. *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. Applications to the Academic Registrar.

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 (p. 1404).

* † 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, about £250 for 3 yrs. Conditions as for (i) above.

* † † LADY TATA MEMORIAL TRUST grants and scholarships. See under Science (General) (p. 1414).

* † † 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 (p. 1420).

* † † OXFORD UNIV. *Philip Walker Studentship* for research in Pathology, £250 p.a., tenable for 5 yrs. Open to graduates of any Univ. Last award 1951.

* † † 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 mos. of election to the scholarship.

Further particulars from the Registrar, Apothecaries' Hall, Black Friars Lane, Queen Victoria St., London, E.C.4.

Physiology

* † † LONDON UNIV. : KING'S COLL., Strand, London, W.C.2. *Beridge Studentship* in Physiology of £100 p.a. for 2 yrs. Candidates, who

may be graduates of any Univ., must submit not later than June 30 a statement giving the plan of work they intend to pursue and the amount of time to be devoted to it. They must also give references to their previous training and capacity for research, and, if appointed, take up the studentship in the following Oct.

The award will, if the holder is otherwise eligible, be supplemented by the Ministry of Education to the value of a State Scholarship.

Further particulars from the Registrar.

* † † MANCHESTER UNIV. *Sybil Mary Pilkington Fellowship* for research into diseases of the blood with particular reference to the causation, treatment, and cure of leukaemia 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.

* † † ROYAL SOCIETY. *Locke Research Fellowship*. See under Science (General) (p. 1417).

Preventive Medicine

* † † LONDON UNIV. *A. H. Bygott Scholarship*. 1 offered annually for the course for the Academic Diploma in Public Health. Value £200 with remission of tuition fees. Eligible for supplementation by Ministry of Education in certain circumstances.

The Scholp. is tenable at the London School of Hygiene and Tropical Medicine. Applicants must be registered medical practitioners. Preference given to those who are engaged in or intend to enter British local government public health service and to those who hold short-term service commissions in H.M. Forces. Last date of application, June 15 in yr. of award. Applications to Academic Registrar.

* † † LONDON UNIV. : LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. (i) *Chadwick Bursary*, to encourage the study of Sanitary Science or Municipal Engineering. The recipients will be awarded a place in the course of study for the Academic Postgraduate Diploma in Public Health. Value £56 : 14s., the fee for the course. Not awarded annually.

(ii) *Elliston Scholarships*. 2 Scholps., tenable at the L.S.H.T.M., may be offered for the session 1952-53 at the discretion of the School's Board of Management. Value £150 each with free tuition. Applicants must be registered medical practitioners who are engaged in or intend to enter the British local government public health service. Last date of application, March 31, 1952.

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. Next offer 1952. 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. Next offer 1952. Last date for applns., June 1.

Further particulars from the 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.

(vii) *Dalrymple Scholarship*. Income approximately £60 p.a. Available for original research work for 1 yr. only to candidates of British birth or parentage.

Tuberculosis

* † ‡ LIVERPOOL UNIVERSITY. For *Ridgway Research Scholarships*, see under Medicine (Special)—Diseases of Children (p. 1405).

* † ‡ 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.

Urology

* † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *John Everidge Research Fund* in Urology. Object of fund is to provide financial assistance for the advancement of knowledge in genito-urinary surgery and ancillary subjects, particularly research likely to enhance

the diagnosis and therapy of diseases of this system. An award may be made for an essay or lecture reporting the objects or outcome of the research. Open to all workers in this field, whether medically qualified or not. Further particulars from, and applications to, the Dean of the Medical School.

14. 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 mos. before the time at which the election will take place.

15. 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 at least 3 mos. in advance, are made annually in July. Applications (on prescribed form) 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 (p. 1407).

* † † BIRMINGHAM UNIV. *Imperial Chemical Industries Fellowships*, as under Cambridge Univ. below.

* BRITISH COTTON INDUSTRY RESEARCH ASSOCIATION. *Shirley Fellowships* for training in research methods in Pure Science, especially in those branches of prime interest to the Association. Value not less than £250 p.a., tenable at approved Univ. institutions in the United Kingdom, initially for 1 yr. but renewable. Open to graduates of U.K. Univs. who are of British nationality.

Applications should be made, through the Professor under whom the candidate proposes to work, to the Director of the Association, Shirley Institute, Didsbury, Manchester, not less than two months before the candidate desires to commence work.

* † † CAMBRIDGE UNIV. (i) *Imperial Chemical Industries Fellowships* in Physics, Chemistry, Engineering, Metallurgy, Pharmacology, Chemotherapy, Physical Chemistry, Biochemistry, Colloid Science, £600-£900 p.a., not exceeding 5 yrs. in all, tenable at Cambridge and also at the Univs. of Birmingham, Durham, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, Oxford, and Wales.

Applications should be lodged by April 30 with the Registrar or Secretary of the Univ. at which it is desired to hold the Fellowship.

(ii) *Gordon Wigan Fund*, £370 p.a., for scientific education or research.

CAMBRIDGE UNIV. : GIRTON COLL. * † † (i) *Tucker-Price Scientific Research Fellowship*, present value £300 p.a., with free residence, 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. Tenure from Oct. 1. Offered from time to time.

* † † (ii) *Tucker-Price Studentship* for research in Mathematics, Natural Sciences, and Geography, value £15-£60 each, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. One or more offered annually. Closing date usually May 20.

* † † (iii) *Ethel Sargant Studentship*. See under Science (Botany) (p. 1421). 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.

POSTGRADUATE AWARDS, SCIENCE (General) 1413

The scheme of grants to research workers and students is designed to meet the need for a larger number of trained scientific investigators for industrial research and for Government research, and is intended to supplement existing provision for postgraduate research. The grants are restricted in all cases to British subjects. Applicants for maintenance allowances or grants for special researches must be normally resident in Great Britain; Senior Research Awards are available to candidates normally resident in the United Kingdom. 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. (p. 1412).

* † ‡ (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 by April 30 to the Registrar (for London, the Academic Registrar) of the Univ. at which it is desired to undertake research.

* † ‡ DURHAM UNIV. : THE DURHAM COLLS. *Research Fellowship* in Pure Science, £600 for 2 yrs., renewable for a further yr., tenable in the Faculty of Science. Open to graduates of any Univ., preferably with research experience. Further particulars from the Secretary, 38 North Bailey, Durham.

* † ‡ 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. (p. 1412).

* † ‡ (iii) *Richard Brown Scholarship*, see under General (p. 1364).

* † ‡ 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.

* † ‡ GLASGOW UNIV. *Imperial Chemical Industries Fellowships*, as under Cambridge Univ. (p. 1412).

* † ‡ 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.

* † ‡ 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 leukaemia: 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.* (p. 1412).

* † ‡ (iii) *Turner and Newall Research Fellowship, as under Durham Univ.* (p. 1413).

Further particulars from the Registrar.

* † LEICESTER UNIV. COLL. *Research Scholarships and Post-graduate Studentships, see under General* (p. 1365).

* † ‡ LIVERPOOL UNIV. *Imperial Chemical Industries Fellowships, as under Cambridge Univ.* (p. 1412).

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.

POSTGRADUATE AWARDS, SCIENCE (General) 1415

* † (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. (p. 1412).

* † † (iv) *Turner and Newall Research Fellowships*, as under Durham Univ. (p. 1413).

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. (p. 1412).

* † † (ii) *Turner and Newall Research Fellowships*, as under Durham Univ. (p. 1413).

* † (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. Applications by July 1. Further particulars from the Registrar.

† NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. (i) *National Research Scholarships*, v. Appendix III (p. 1439). (ii) *National Research Fellowships*. 2 awarded annually to selected N.Z. science graduates who have postgraduate scientific experience, for study at N.Z. or overseas institutions. Tenable for 1 yr. with possibility of extension for 1 addl. yr. Value £500 p.a. plus £100 towards travelling expenses from and to N.Z. In addition, up to £50 may be paid towards cost of books, apparatus, and college fees.

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 (pp. 1367-1368).

Further particulars from the Registrar.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General (p. 1368).

* † † 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 £600-£900 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.

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 yrs. 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 1952 receivable by March 21, 1952, from the following Univs.: Alta, B.C., Dal., Laval, McG., McM., Mani., Queen's (Ont.), Sask., Tor., W. Ont. 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 Sec. to the Commrs., 1 Lowther Gardens, Exhibition Rd., London, S.W.7.

* † ‡ ROYAL INSTITUTION. *Dewar Research Fellowship* 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.

Further particulars from the Secretary, 21 Albemarle Street, London, W.1.

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: Dr. 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, £1000 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, £1100 p.a., tenable ordinarily in the Univ. of Sheffield for 5 yrs., renewable for further periods. No permanent duties outside the research work may be undertaken. Appointments are made by a Committee composed of 4 persons appointed by the Council of the R.S. and 3 appointed by the authorities of the Univ. of Sheffield. Incumbent: Dr. B. A. Bilby.

* † ‡ (vi) *Locke Research Fellowship* for research in the general

field of experimental physiology and pharmacology ; £1250 p.a., tenable at any place approved by the Council of the Royal Society, in the first instance for 2 yrs., but may be renewed annually for such periods as Council may determine. Open to graduates of any Univ. Incumbent : Dr. D. R. Wilkie.

* † ‡ (vii) *Stothert Research Fellowship* in the field of medicine, including the sciences on which medical knowledge is based ; £600 p.a., tenable in any Hospital, Medical School, or other appropriate Research Institution or Univ. Dept. in the British Isles, or at any other place approved by the Council of the Royal Society, in the first instance for 2 yrs., but may be renewed annually up to a total of 4 yrs. Open to graduates of any Univ. Incumbents : J. R. Vane and Dr. J. M. Walshe.

For all the above appointments applications are invited by public advertisement.

* † ‡ (viii) *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.

(ix) *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.

The foregoing awards, unless otherwise stated, are open to qualified persons, irrespective of nationality, but in practice are generally awarded to British nationals.

(x) *Scientific Relief Fund* (income about £1600 p.a.) to aid scientific men or their families requiring assistance.

(xi) *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 ; Tyn-dall Mining Research, mining, ventilation, temperature, and disease incidental to miners.

(xii) *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.

(xiii) *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.

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With the exception of the Royal Medals, all are open to foreigners as well as to British subjects.

* † † SHEFFIELD UNIV. (i) *Sorby Research Fellowship*, £1100 p.a., tenable at the Univ. of Sheffield for 5 yrs., renewable. Open to graduates of any recognized Univ. Appointment is made by a Committee consisting of representatives of the Royal Society and of the Univ., with the object of obtaining advances in natural knowledge by enabling men of proved ability to devote themselves to research. Last award 1951.

* † (ii) *Ellison Fellowships* (4), £260 upwards p.a., with remission of fees, to provide training in research methods for promising students in Chemistry and Physics with a view to stimulating fundamental research in these subjects, tenable at the Univ. for 3 yrs. Open to graduates of Univs. in Gt. Britain and Ireland and of British Univs. overseas. In default of suitable candidates in Chemistry and Physics awards may also be made in Engineering.

Further particulars in each case from the Registrar.

* † † 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.

* † † TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships*. See under Applied Science and Technology (p. 1367.)

* † † WALES, UNIV. OF. *Imperial Chemical Industries Fellowships*, as under Cambridge Univ. (p. 1412).

16. SCIENCE (Special Subjects)

Astronomy

* † OXFORD UNIV. : BALLIOL COLL. *Skynner Senior Studentship* for the study of Astronomy, and branches of Mathematics and Natural Science connected therewith, £200 p.a. for 1 yr., renewable. Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Senior Tutor.

Biochemistry

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects)—Cancer (p. 1404).

* † † IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) (p. 1412).

† 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. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship* for research in morbid anatomy, histological anatomy, chemical pathology, protozoology, bacteriology, and allied subjects in either zoology, medicine, or botany, value about £200 p.a., tenable at a recognized instn. at home or abroad under the general supervision of the Biological 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.

* † LONDON UNIV. : LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. (i) *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.

(ii) *Morna Macleod Scholarship* in Biochemistry, £300 p.a., tenable at the above Institute for 1 yr., with possible extension for 2nd yr. Candidates must be of Scottish descent. Vacancies advertised in appropriate journals.

* LONDON UNIV. : UNIVERSITY COLL. *Bayliss-Starling Memorial Scholarship*, see under Physiol. (p. 1428).

Biology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects)—Cancer (p. 1404).

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, see under Medicine and Surgery (Special Subjects)—Pathology (p. 1407).

* † † 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 March 1. Awarded from time to time as funds permit.

* † † DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants in Fishery Research*, see under Fisheries (p. 1395).

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* EMPIRE COTTON GROWING CORPORATION. *Postgraduate Studentships*, see under Agriculture, Veterinary Science, etc. (p. 1372).

* † NOTTINGHAM UNIV. *Carr Scholarship*, see under Science (General).

* NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.1. *Biological Scholarships and Bursaries*. To enable selected persons who have graduated in the physical sciences or in maths. to receive such training in biology as will enable them to undertake research and teaching in the U.K. in the biological sciences. Open to either sex; usual age limits, 22-35. Tenable for 1 yr.; renewable up to maximum of 3 yrs. Normal value of Scholp., £500-£600 p.a.; of bursary, £350 p.a. Applications by May 1. Further particulars from the Secretary at above address.

Botany

* † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Ethel Sargant Studentship* for research in Natural Sciences, preferably in Botany, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* † ‡ DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants* in Fishery Research, see under Fisheries (p. 1395).

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science*, see under Science (General) (p. 1413).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Botany, see under General (p. 1366).

* † ‡ 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 1952. (Pref. to Zool.) 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 Chem. or Engin. as principal subject together with industrial experience in the Chemical Engin. field. Further particulars from the Registrar.

CAMBRIDGE UNIV. *Shell Chemical Engineering Studies Fund.* Grants or Research Studentships may be awarded. Further particulars from the Professor of Chemical Engineering.

CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship.* See under Science (Special Subjects)—Chemistry (p. 1423).

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.

* † † TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships.* See under Applied Science and Technology (p. 1376).

Chemistry

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, see under Science (General) (p. 1411).

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships,* see under Medicine and Surgery (Special Subjects)—Pathology (p. 1407).

* † † BIRMINGHAM UNIV. *Priestley Scholarships* in Chemistry (2), £220-£260 p.a., with remission of tuition and examination fees, tenable

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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 (p. 1373).

CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship* for research in Chemistry, Engineering, or Chemical Engineering, with the object of studying recent developments in these subjects and their applications to industrial concerns. Value not more than £750 p.a.: certain allowances for children and travelling may be paid. Candidates should have had some experience in industry and should hold an Honours Degree in the appropriate subject from a Univ. within the British Commonwealth, or some equivalent qualification.

* † CHEMICAL SOCIETY, Burlington House, London, W.1. The *Research Fund* of the Chemical Society was establd. in 1876 to assist investigators by defraying the cost of expensive materials. The income from the Fund, incl. that from the donation of the Goldsmith's Company and from the Perkin Memorial Fund, amounts to about £700 a yr. The Committee meets in June and Nov. to consider applications for grants. The income from the Goldsmiths' donation is mainly devoted to the encouragement of research in Inorg. and Metallurgical Chemistry, and that from the Perkin Memorial Fund for investigations connected with the Coal Tar and allied industries.

* † ‡ DURHAM UNIV.: THE DURHAM COLLEGES. *Research Fellowship* in Pure Science, see under Science (General) (p. 1413).

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship*, see under Science (General) (p. 1413).

* 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) (p. 1412).

* † ‡ LEEDS UNIV. *Henry Ellison Senior Fellowships*, see under Science (General) (p. 1414).

* † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowships* in Chemistry, see under General (p. 1366).

* † 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 inhabitants of Lancashire, with preference to candidates born in or inhabitants of Rochdale. Next offer 1952. 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 of higher education in the U.K. possessed of the requisite facilities for research; also, in exceptional cases, by special permission of the Trustees, outside the U.K. One is limited to candidates nominated by the Univ. and the Royal Technical College, Glasgow.

* † ‡ ROYAL INSTITUTION. *Dewar Research Fellowship*, see under Science (General) (p. 1416).

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship, and Fellowship*, see under Applied Science and Technology (p. 1376).

* † ‡ SHEFFIELD UNIV. *Ellison Fellowships*, see under Science (General) (p. 1419).

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Inorganic Chemistry, see under Science (General) (p. 1413).

* † ‡ WALES, UNIV. OF: UNIV. COLL. OF WALES, ABERYSTWYTH. *Garrod Thomas Fellowship*. Awarded annually; tenable for 1 yr. but may be renewed for a further yr. Value £75 p.a. supplemented by Ministry of Education up to maximum of £215 p.a., plus tuition fees. Open to graduates of any Univ., with preference to those of Univ. Coll. of Wales, Aberystwyth. Last date for applcns., July 1. Further particulars from Registrar.

Colloid Science

* † ‡ CAMBRIDGE UNIV. *Oliver Gatty Studentship* in Colloid Science, especially physical methods applied to biological problems, about £450 p.a., for 1 yr. with possible re-election for a 2nd and 3rd yr., tenable at Cambridge. Open to graduates of any Univ.

Further particulars from the Registry.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) (p. 1412).

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 en-

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couragement 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) (p. 1413).

* † † LONDON UNIV. : BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship in Geology*, see under General (p. 1366).

* † NOTTINGHAM UNIV. *Carr Scholarship*, see under Science (General).

* WALES, UNIV. OF : UNIV. COLL. OF WALES, ABERYSTWYTH. *J. J. Thomas of Kendal Scholarship*. Awarded annually; tenable for 3 yrs. For research in Geol. and for Mineralogy. Value £70 p.a. supplemented by Ministry of Education up to max. of £215 p.a. plus tuition fees. Open to students of any Univ. born in Wales or Lake District. Last date for applicns., June 1. Further particulars from Registrar.

Mathematics

See Arts (Special Subjects) (p. 1384)

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 Dept. of the Univ.; value to be determined in each individual case by the Fac. of Sci. Open to graduates of any British Univ.

* † † (iii) *Bowen Scholarship in Metallurgy*, £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 (p. 1373).

* † † IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) (p. 1412).

* † † IRON AND STEEL INSTITUTE. *Andrew Carnegie Travelling Scholarship, and Research Grants*, see Appendix III (p. 1437).

* † † LEEDS UNIV. (i) *Yorkshire Copper Works Research Scholarship*, see under Applied Science and Technology. (ii) *Henry Ellison Senior Fellowships*, see under Science (General) (p. 1414).

ROYAL SOCIETY. *Warren Fellowships*, see Science (General) (p. 1418).

* SHEFFIELD UNIV. *G. C. Carlisle Research Scholarship in Metallurgy*. Value £70 for 1 yr., renewable up to 3 yrs., for research in Metallurgy or for a postgraduate course in Metallurgy.

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships.* See under Applied Science and Technology (p. 1376).

* † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships, see under Engineering (General)* (p. 1392).

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 probably 1952. Applns. by Jan. 31.

Further particulars from the Registrar.

Pharmacy

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under Science (General)* (p. 1412).

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.

(iii) *A. L. Blair Memorial Scholarship.* As (ii) above, except value £70.

Further particulars from the Registrar.

* PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. (i) *Pharmaceutical Society Research Scholarship.* Value £300 p.a. One awarded each yr.

(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 1961.

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. Last day for applications, June 1. Further particulars from the Secretary.

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* † † ROYAL SOCIETY. *Locke Research Fellowship*. See under Science (General) (p. 1417).

* WELLCOME TRUST. *Wellcome Pharmaceutical Research Fellowship*. Awarded by Cttee. comprising members appointed by Trustees of the Wellcome Trust and by the Council of the Pharmaceutical Society of Great Britain. Value £350 p.a., awarded annually. Tenable for 2 yrs. in the research labs. of any School of Pharmacy in Great Britain approved by awarding body. Candidates must be Pharmaceutical Chemists or approved graduates in Pharmacy. Last day for applications, May 31. Further particulars from the Secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1.

Physics

* † ABERDEEN UNIV. (i) *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects)—Cancer (p. 1404).

* † (ii) *Robbie Scholarship in Natural Philosophy*, see under Science (General) (p. 1411).

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, see under Medicine and Surgery (Special Subjects)—Pathology (p. 1407).

* † † BIRMINGHAM UNIV. *Nuffield Research Fellowships*. Value £450 p.a. plus free tuition, but in special cases may be higher, determined in each case by the Faculty of Science, tenable in the first instance for 2 yrs. but renewable. Fellows are required to devote their whole time to research in the Dept. of Physics, but may be required to take such part in the work of the Dept. as will not interfere with their research.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries*, see under Applied Science and Technology (p. 1373).

* † † 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) (p. 1413).

* † † EDINBURGH UNIV. *Dewar Research Fellowship*, see under Science (General) (p. 1413).

* GLASGOW UNIV. *Coats Fellowship*, see under Science (Special Subjects)—Chemistry (p. 1423).

* † † LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship* in Physics, see under General (p. 1366).

* † † MANCHESTER UNIV. *John Harling Fellowship* for research in Physical Science. £200 and occasionally more; renewable for 2nd and possibly 3rd yr., normally tenable at the above. Open to all persons who can furnish satisfactory evidence of ability to pursue research. Next award not fixed.

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.

* † ‡ ROYAL INSTITUTION. *Dewar Research Fellowship*, see under Science (General) (p. 1416).

* † ‡ SHEFFIELD UNIV. *Ellison Fellowships*, see under Science (General) (p. 1419).

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships*. See under Applied Science and Technology (p. 1376).

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Physics, see under Science (General) (p. 1413).

* † ‡ WALES, UNIV. OF : UNIV. COLL. OF WALES, ABERYSTWYTH. *Garrod Thomas Fellowship*. Awarded annually; tenable for 1 yr., but may be renewed for a further yr. Value £75 p.a., supplemented by Ministry of Education up to maximum of £215 p.a., plus tuition fees. Open to graduates of any Univ., with preference to those of Univ. Coll. of Wales, Aberystwyth. Last date for applications, July 1. Further particulars from Registrar.

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 (p. 1366).

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.

* † (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. Next offer 1952. Further particulars from the Registrar.

Zoology

* † ‡ DURHAM UNIV. : THE DURHAM COLLS. *Research Fellowship in Pure Science*, see under Science (General) (p. 1413).

* † ‡ LONDON UNIV. : BEDFORD COLL. FOR WOMEN. *Postgraduate Fellowship in Zoology*, see under General (p. 1366).

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Science (Special Subjects)—Biochemistry (p. 1420).

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, see under Botany (p. 1421).

17. 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.

18. 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 1950.

Chemistry

* CHEMICAL SOCIETY, Burlington House, London, W.1. *Corday-Morgan Medal and Prize*. Silver medal and 150 guineas awarded annually to the chemist of either sex and of British nationality who, in the judgement of the Council of the Chemical Society, shall have published during the yr. in question the most meritorious contribution to Experimental Chem., and who, at the date of publication, shall not have attained the age of 36 yrs. Award suspended if no suitable candidate presents himself or is brought to the notice of the Council. Further particulars from the General Secretary of the Society.

Classics

* † ‡ LONDON UNIV. : KING'S COLL. *Ronald Burrows Memorial Prize*, see under Arts (Special Subjects)—Classics (p. 1380).

Dental Surgery

* † ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. (i) *Cartwright Prize* (of £100) and *Medal*, founded in 1884 by the "Association of Surgeons practising Dental Surgery" with the object of commemorating the 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, 1955, the subject being "The Diagnosis and Treatment of Fibro-Osseous Enlargement of the Jaws."

Candidates must be persons engaged in the study or practice of Dental Surgery and possessing qualifications capable of registration under the Medical Acts of the United Kingdom.

Every essay must have a motto or device and must be accompanied by a sealed paper containing the name and address of the author, and having on the outside a motto or device corresponding with the motto or device on the essay.

(ii) *John Tomes Prize of £27.* Founded by members of the Dental profession in memory of Sir John Tomes; awarded triennially for original or other scientific work on Dental Surgery and Pathology, Dental Anatomy and Physiology (including Histology) or Dental Mechanics. Next award 1954.

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.

* † ROYAL EMPIRE SOCIETY. (i) *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 approx. £100 is offered annually for an essay on a given subject connected with the maintenance of International Peace, and having some bearing on the principles or work of the International Organizations existing for that purpose. Open to all graduates, undergraduates, and students of either sex and of any nationality, of any Univ. or Univ. Coll. in Gt. Britain or N. Ireland, under 25 on the last day for submitting essays. Further particulars from the 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 £90, 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 Ophthalmol., of £100, is awarded biennially for the best essay on a subject dealing with Ophthalmol. and involving original work. Open to British subjects who hold a medical qualification. Preference will be given to original work. Full particulars, together with the subject for 1951-52, 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

* † ‡ ASSOCIATION OF SURGEONS OF GREAT BRITAIN AND IRELAND. *Moynihah 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 1952 is: "The Surgical Treatment of Carcinoma of the Stomach." 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) (p. 1431).

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.

Reference may also be made to the following publications: *Study Abroad*, an International Handbook of Fellowships, Scholarships, and Educational Exchange (UNESCO); *Inter-Commonwealth Postgraduate Scholarships in Science* (H.M.S.O. for British Commonwealth of Nations Scientific Liaison Offices, London, 1951); and *Scholarships Abroad* (British Council), v. *infra*.

BRITISH COUNCIL, 65 Davies St., London, W.1. * † ‡ (i) *Travel Grants*. See Appendix II (p. 1362).

* † (ii) *Scholarships* offered to British students by foreign Govts. and Univs. Particulars of about 60 scholarships (mainly postgraduate awards) are published annually in a pamphlet entitled *Scholarships Abroad*. Scholarships offered for 1952-53 were announced in Jan. 1952.

* † BRITISH EMPIRE CANCER CAMPAIGN. *Exchange Fellowship*, see under Medicine (Special Subjects)—Cancer (p. 1404).

BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. * (i) *Rose Sidgwick Memorial Fellowship*, \$2000 for 1 yr. for postgraduate study in the U.S.A. Offered biennially to a woman graduate normally resident in Great Britain and not over 35 yrs.

* (ii) *Johnstone and Florence Stoney Studentship*. £500 for 1 yr. for research in biological, geological, meteorological, or radiological science in Australia, S. Africa, or New Zealand. Offered 1952-53, and from time to time, to woman graduate of Gt. Britain or Ireland, not over 26 yrs.

Further particulars from the Secretary.

* † BRITISH INSTITUTE OF ARCHÆOLOGY AT ANKARA. *Fellowship and Scholarship*. Awarded annually; each tenable for 1 yr. with possibility of renewal usually for 1 yr. Applicants must be of British Commonwealth nationality. The Instn. organizes and encourages research in all aspects of the archæology of Turkey, in all periods, including the Islamic. Further information from the Secretary, British Institute of Archæology at Ankara, 56 Queen Anne St., London, W.1.

* † ‡ BRITISH SCHOOL AT ROME. *Rome Scholarships*, open to British subjects and tenable for 2 yrs., usually at the School. Avail-

able 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 six categories of Fellowships, all open to men and women.

* (i) *Ordinary Fellowships*, open to candidates between 23 and 35 yrs. of age who have not worked or studied in the United States for more than a few months. Candidates must be British subjects, not normally resident in Canada or in other British territories in or near North America, and must be graduates of a United Kingdom Univ. Twenty Fellowships are available.

* (ii) *Home Civil Service Fellowships*, open to candidates holding permanent appointments in the higher ranks of the Civil Service in Great Britain. Three Fellowships for administrative grades; two for scientific grades.

* † (iii) and (iv) *Dominion and Colonial Civil Service Fellowships*, open to candidates who hold appointments overseas under the Govts. of Australia, New Zealand, or S. Africa, or the Govts. of British Colonies, Protectorates, or Trust Territories distant from the United States. Five Dominion Service Fellowships, two Colonial Service Fellowships.

* (v) *Fellowships in Journalism*, open to professional journalists engaged on the editorial side of their profession. Age limit 23-35 (the upper limit may be extended by the period of a candidate's war service). Three Fellowships.

* (vi) *Fellowships in American Studies*, open to qualified members of Univ. teaching staffs in some field of American Studies. Candidates must be nominated by their Univs.

The standard tenure for fellowships in categories (i)-(v) is for one academic year of 12 mos., but under special circumstances may be held for shorter or longer periods. Emoluments cover full expenses of travel (including transatlantic passage) and of residence and study in the United States. For Ordinary Fellowships the monthly living allowances are: unmarried Fellows \$220, married Fellows \$275, with additional children's allowances. Full particulars of all categories 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 1952-1953, Fellowships at Indiana, Princeton, and Yale Univs. (men); Bryn Mawr, Radcliffe, and Smith Colls. (women); Minnesota, Pittsburgh, and Texas Univs. (men and women). (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 1952-53.

British Graduate Assistantships. (Pt.-time teaching, pt.-time research.) Tenable at certain American Univs.

Further particulars from 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 Travelling Scholarships* (5), to enable selected scholars to visit one of the Dominions or Colonies for 2 yrs., value adjusted to candidate's needs, but it is intended that each successful candidate should receive not less than £500 p.a. plus travelling allowance. Open to men and women of British parentage who are graduates of U.K. Univs. and under 24 yrs. of age.

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'

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residence in that Univ. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

* HUDSON'S BAY COMPANY. *Hudson's Bay Scholarships*. Purpose: to encourage the study of business administration, to contribute to the higher education of business executives, and to strengthen the links between the business communities in Canada and the U.K. Normally, 2 scholarships awarded annually in the U.K. for study in Canada at an appropriate Univ. or other educational institution. Value \$1800 (Canadian) p.a. plus transportation expenses between U.K. and Canada. Applicants must be British-born subjects ordinarily resident in the U.K. and be between 23 and 30 yrs. of age. Further information from the Secretary, Hudson's Bay Scholarships, Beaver House, Great Trinity Lane, London, E.C.4.

* † IMPERIAL RELATIONS TRUST. *Travel Grants*, see Appendix II (p. 1365).

* † † INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN. *Traveling Fellowships*, see Appendix II (p. 1365).

* † † 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 COUNTY COUNCIL, The County Hall, Westminster Bridge, London, S.E.1. *Robert Blair Fellowships in Applied Science and Technology*. One or two Fellowships, tenable for not more than 1 yr., offered annually to enable the holders to pursue a course of advanced study or research in Appl. Science and Technology in the Dominions, in the United States or in other foreign countries. Value varies according to country visited. Candidates must be natural-born British subjects of at least 21 yrs. Preference to engineering science and to those who have completed a course of study in London institutions or who have been identified with the London teaching service. Further particulars from the Education Officer at the above address.

* † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION. *Postgraduate Travelling Scholarships*, see Appendix II (p. 1398).

* † † LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Travelling Studentship* in Social and Economic History, see Appendix II (p. 1388).

* † † MANCHESTER UNIV. *Simon Research Fellowships*, see Appendix II (p. 1389).

* † † 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.

* † † (iii) *Alexander Pigott Wernher Memorial Trust. Travelling Fellowships*. Value and tenure varies. Subjects: Ophthalmology and Otolaryngology. Open to suitably qualified medical graduates in the British Empire who have had previous training in Ophthalmological or Otolaryngological research.

Further particulars from Secretary, Medical Research Council, 38 Old Queen Street, Westminster, London, S.W.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.

* † † NATIONAL RESEARCH COUNCIL OF CANADA. *Postdoctorate Fellowships*. Mainly for research in Pure Chemistry and Physics; tenable at N.R.C. Laboratories in Canada. Applicants should possess

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a Ph.D. or equivalent from a recognized Univ. or should expect to obtain such a degree before taking up this award. Tenable for 1 yr., with possibility of renewal for a 2nd yr. Details normally advertised in Commonwealth Univs. towards the end of each calendar yr. Further information from the Secretary, Laboratories Awards Committee, National Research Council, Ottawa, Canada, or from the Chief Scientific Liaison Officer, National Research Council of Canada, Africa House, Kingsway, London, W.C.2.

* † NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *National Research Scholarships*. Six awarded annually to enable selected science graduates to continue their studies in New Zealand and abroad. Tenure is for 2 yrs. with possibility of extension for 1 addl. yr. Value: for N.Z. students studying in the U.K. and for U.K. students studying in N.Z., £350 p.a. plus £100 towards travelling expenses between U.K. and N.Z.; for N.Z. students studying in N.Z. or Australia, £250 p.a. In addition, all scholarship holders may be paid up to £100 towards the costs of books, apparatus, and college fees. U.K. students may obtain further particulars from the N.Z. Scientific Liaison Officer, B.C.S.O., Africa House, Kingsway, London, W.C.2.

* 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.

* NUFFIELD FOUNDATION, 12-13 Mecklenburgh Square, London, W.C.1. (i) *Medical and Dental Fellowships* (pp. 1387 and 1400).

(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 mos. Application to Treasury, through Permanent Secretary of candidate's Department.

* † PRINCETON UNIV. *Procter Visiting Fellowships*. Candidates must be unmarried male citizens of the British Empire, not over 30 yrs. of age and must have taken at least a B.A. degree. Tenable for 1 yr. at Princeton with possibility of renewal. Fellows required to devote themselves to advanced study and investigation in a branch or subject of one of the liberal arts and sciences, exclusive of professional, technical, or commercial subjects. Value £960 p.a. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

* † † ROTARY INTERNATIONAL. *Rotary Foundation Fellowships*, see Appendix II (p. 1369).

* † ROYAL COLL. OF SURGEONS. (i) *Sir Arthur Sims Commonwealth Travelling Professorship*, see Appendix II (p. 1401).

(ii) *Sir Wm. Lister Award in Ophthalmology*, see Appendix II (p. 1406).

* † ROYAL SOCIETY. *John Murray Studentship* for the encouragement of travel and work in Oceanography and Limnology. See under Fisheries (p. 1396).

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Engineering, Electricity, Aeronautics, and Music. Open to natives of Scotland of either sex. Value: Junior £50-£300, Senior £300-£700 p.a., according to circumstances, including place of study and nature of work contemplated. Normally tenable in Great Britain, Europe, or U.S.A. for 1 yr., but may be continued up to a maximum of 3 yrs. Applications to John Pearson, Solicitor, 7 Ward Road, Dundee, not later than March 31 (Music, Feb. 28), from whom further information and application forms can be obtained.

SMITH-MUNDT. *Grants* in dollars may be made to assist faculty members at the Univ. level, advanced scholars, and research workers to visit the U.S. for purposes of research or teaching. Applications will be accepted in the following fields of study: American Studies (Hist.; Econ.; Govt.); Education; Science and Technology; American Literature and Journalism; Administration and Management. Value of award varies according to individual needs; tenable for term of study of not less than 6 mos. but preferably of 1 yr. Candidates must be British subjects resident in the U.K. Further particulars from United States Cultural Office, Room 22, 5 Grosvenor Square, London, W.1.

* UNITED DAIRIES. *Travelling or Research Scholarship*, see Appendix II (p. 1372).

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 1950-51 was 8242, which compares with 7261 in 1949-50 and 7961 in 1948-49. Of these, 4232 came from the British Commonwealth overseas (including Channel Islands 26, Gibraltar 13, Malta 31, Ceylon 184, Cyprus 76, British E. Indies 9, India 775, Pakistan 153, Malayan Union 178, Hong Kong 40, British W. Africa 555, British E. Africa 198, N. Rhodesia 13, S. Rhodesia 43, South Africa 455, Aden 5, Bermuda 10, British Honduras 4, British Guiana 66, Falkland Islands 1, British W. Indies 338, Canada and Newfoundland 372, Australia 451, New Zealand 236).

The 8242 overseas students were distributed in the Univs. and Colls. as follows:

Birmingham 229, Bristol 110, Cambridge 735, Durham 288, Leeds 233, Liverpool 201, London * 3447 (Courtauld Inst. of Art 29, Inst. of Archaeology 13, Inst. of Commonwealth Studies 14, Inst. of Education 272, Inst. of Historical Research 86, Sch. of Slavonic and East European Studies 22, Warburg Inst. 4, Bedford 56, Birkbeck 33, Imperial 266, King's 140, King's College of Household and Social Science 7, London Sch. of Economics 674, Queen Mary 54, Royal Holloway 27, Royal Veterinary 19, Sch. of Oriental and African Studies 137, Sch. of Pharmacy 19, Univ. Coll. 614, Westfield 16, Wye 5; Medical Schools 568 (excluding British Postgrad. Med. Fed. for which figures are not available), Institutions with Recognized Teachers 372), Manchester 302, Nottingham 87, Oxford 772, Reading 25, Sheffield 91, Wales 145, Aberdeen 54, Edinburgh 668, Glasgow 377, St. Andrews 124, Queen's (Belfast) 129, Exeter 88, Hull, 64, Leicester 22, N. Staffs 1, Southampton 40.

The analysis below gives the number of students from the various overseas countries, as well as some idea of their distribution at Universities here.

EUROPE—Total, 1754

Austria—33: London 22. *Belgium*—33: London 14. *Channel Islands*—26: London 13. *Czecho-Slovakia*—65: London 32. *Denmark*—37: London 12. *Eire*—131: Cambridge 20, London 39, Oxford 12. *Estonia*—4. *Finland*—14: London 7. *France*—172: London 109, Oxford 18. *Germany*—139: Cambridge 12, London 51, Edinburgh 11. *Gibraltar*—13. *Greece*—91: London 28. *Holland*—79: Cambridge 10, London 36. *Hungary*—24: London 20. *Iceland*—19: London 6. *Italy* 54: London 31. *Latvia*—7. *Lithuania*—2. *Luxembourg*—6. *Malta*—31: London 13. *Norway*—224: Birmingham 25, Durham 26,

* External students not included.

Leeds 20, London 52, Manchester 16, Glasgow 37, Queen's, Belfast, 12. *Poland*—370: Birmingham 11, Leeds 13, London 187, Manchester 10, Wales 14, Edinburgh 28, Glasgow 28, St. Andrews 12, Queen's, Belfast, 10. *Portugal*—15. *Roumania*—7. *Spain*—34: London 11. *Sweden*—30: London 20. *Switzerland*—73: London 33, Edinburgh 10. *U.S.S.R.*—9. *Yugoslavia*—12.

ASIA—Total, 2050

Afghanistan—3. *Arabia*—6. *British East Indies*—9. *Burma*—45: London 28. *Ceylon*—184: Cambridge 28, London 94, Edinburgh 18. *China*—100: Cambridge 17, London 40, Manchester 8, Oxford 4. *Cyprus*—76: London 16, Glasgow 10. *Hong Kong*—40: London 23. *India*—775: Cambridge 59, Durham 35, Leeds 30, Liverpool 39, London 352, Manchester 48, Oxford 35, Sheffield 12, Edinburgh 57, Glasgow 64. *Indo-China and Cochin China*—13. *Indonesia*—11: London 10. *Iraq*—99: London 46. *Israel*—104: London 53, Glasgow 13. *Lebanon*—12: London 46. *Malayan Union*—178: Bristol 11, Cambridge 16, London 76, Nottingham 11, Wales 11. *Nepal*—2. *Pakistan*—153: Cambridge 16, London 86, Edinburgh 12. *Persia*—90: Birmingham 33, London 45. *Philippines*—3. *Syria*—9. *Thailand*—59: London 27. *Tibet*—1. *Transjordan*—18: London 13. *Turkey*—60: London 27.

AFRICA—Total, 1895

Aden—5. *Anglo-Egyptian Sudan*—43: London 8. *Basutoland*—1. *British East Africa*—198: Cambridge 22, London 55, Nottingham 10, Oxford 10, Wales 13, Edinburgh 28, Glasgow 10. *British West Africa*—555: Birmingham 22, Cambridge 23, Durham 56, Leeds 12, Liverpool 12, London 203, Manchester 11, Nottingham 14, Oxford 12, Wales 26, Exeter 9, Hull 27, Edinburgh 32, Glasgow 36, St. Andrews 19. *Egypt*—463: Birmingham 17, Cambridge 15, Durham 13, Leeds 13, Liverpool 18, London 210, Manchester 39, Oxford 11, Reading 11, Sheffield 18, Exeter 22, Edinburgh 25, Glasgow 24. *Ethiopia*—17. *French Togoland*—1. *French West Africa*—1. *Mauritius*—92: Durham 21, London 32, Edinburgh 10. *North Africa*—8. *N. Rhodesia*—13. *South Africa*—455: Cambridge 72, Durham 28, Leeds 11, Liverpool 12, London 151, Oxford 79, Edinburgh 57. *S. Rhodesia*—43: London 17.

AMERICA—Total, 1811

Bermuda—10. *British Guiana*—66: London 41. *British Honduras*—4. *Canada*—372: Cambridge 57, London 167, Manchester 12, Oxford 56, Edinburgh 37. *Central America and Mexico*—18. *Falkland Islands*—1. *South America*—66: London 30. *U.S.A.*—932: Birmingham 10, Cambridge 99, Liverpool 11, London 329, Manchester 16, Oxford 240, Exeter 10, Edinburgh 132, Glasgow 15, St. Andrews 23. *West Indies, British*—338: Birmingham 14, Cambridge 27, Durham 14, Liverpool 10, London 115, Oxford 32, Wales 11, Aberdeen 11, Edinburgh 33, Glasgow 19, Belfast 16. *West Indies, others*—4.

STUDENTS FROM OTHER COUNTRIES IN U.K. 1443

AUSTRALASIA—Total, 695

Australia—451 : Cambridge 93, London 186, Manchester 15, Oxford 91, Edinburgh 18. *New Zealand*—236 : Cambridge 34, London 109, Oxford 29, Edinburgh 37. *Pacific Is.*—8.

STATELESS—37

APPENDIX V

DEGREE ABBREVIATIONS

(UNITED KINGDOM UNIVERSITIES ONLY)

In the following list, the degree title opposite each abbreviation is the English expanded form normally used by the University or Universities awarding that degree.

B.A.	Bachelor of Arts
B.A. (Admin.)	Bachelor of Arts in Administration
B.A. (Arch.)	Bachelor of Arts (Architecture)
B.A. (Com.)	Bachelor of Arts (Commerce) (Bristol)
	Bachelor of Arts in Commerce (Manchester)
B.A. (Econ.)	Bachelor of Arts in Economics and Politics (Manchester)
	Bachelor of Arts in Economic Studies (Sheffield)
B.A. (Theol.)	Bachelor of Arts in Theology
B.Agr.	Bachelor of Agriculture
B.A.O.	Bachelor of Obstetrics
B.Arch.	Bachelor of Architecture
B.Ch.	Bachelor of Surgery
B.Ch.D.	Bachelor of Dental Surgery
B.Chir.	Bachelor of Surgery
B.C.L.	Bachelor of Civil Law
B.Com.	Bachelor of Commerce
B.Com. (Econ., Pol., and Sociol.)	Bachelor of Commerce (Economics, Politics, and Sociology)
B.Com. (Geog.)	Bachelor of Commerce (Geography)
B.Com.Sc.	Bachelor of Commercial Science (Belfast)
	Bachelor of Commercial Sciences (Liverpool)
B.Com. (Soc. Study)	Bachelor of Commerce (Social Study)
B.Com. with Russian Studies	Bachelor of Commerce with Russian Studies
B.D.	Bachelor of Divinity
B.D.S.	Bachelor of Dental Surgery
B.Ed.	Bachelor of Education
B.Eng.	Bachelor of Engineering
B.Hy.	Bachelor of Hygiene
B.L.	Bachelor of Law
B.Litt.	Bachelor of Letters
B.M.	Bachelor of Medicine
B.Met.	Bachelor of Metallurgy
B.Mus.	Bachelor of Music
B.Pharm.	Bachelor of Pharmacy
B.Phil.	Bachelor of Philosophy

B.S.	Bachelor of Surgery
B.Sc.	Bachelor of Science
B.Sc. (Agr.)	Bachelor of Science in Agriculture
B.Sc. (Agric.)	Bachelor of Science (Agriculture) (London)
	Bachelor of Science in Agriculture (Nottingham)
B.Sc. (Dom. Sc.)	Bachelor of Science (Domestic Science)
B.Sc. (Econ.)	Bachelor of Science in Economics (Belfast)
	Bachelor of Science (Economics) (London)
B.Sc. (Eng.)	Bachelor of Science in Engineering
	Bachelor of Science (Engineering) (London)
B.Sc. (Est. Man.)	Bachelor of Science (Estate Management)
B.Sc. (For.)	Bachelor of Science in Forestry
B.Sc. (H. & S.S.)	Bachelor of Science (Household and Social Science)
B.Sc. (Hort.)	Bachelor of Science (Horticulture) (London)
	Bachelor of Science in Horticulture (Nottingham)
B.Sc. (Min.)	Bachelor of Science in Mining
B.Sc.Tech.	Bachelor of Technical Science
B.Sc. (Vet. Sci.)	Bachelor of Science (Veterinary Science)
B.Tech.	Bachelor in Technology
B.V.Sc.	Bachelor of Veterinary Science
Ch.B.	Bachelor of Surgery
Ch.M.	Master of Surgery
D.Ch.	Doctor of Surgery
D.C.L.	Doctor of Civil Law
D.D.	Doctor of Divinity
D.D.S.	Doctor of Dental Surgery
D.D.Sc.	Doctor of Dental Science
D.Eng.	Doctor of Engineering
D.Hy.	Doctor of Hygiene
D.Lit.	Doctor of Literature
D.Litt.	Doctor of Letters
	Doctor of Literature (Wales)
D.M.	Doctor of Medicine
D.Met.	Doctor of Metallurgy
D.Mus.	Doctor of Music
D.Phil.	Doctor of Philosophy
D.Sc.	Doctor of Science
D.Sc. (Econ.)	Doctor of Science (Economics)
D.Sc. (Eng.)	Doctor of Science (Engineering)
D.Sc.Tech.	Doctor of Technical Science
D.Tech.	Doctor in Technology
D.V.Sc.	Doctor of Veterinary Science
Ed.B.	Bachelor of Education
Litt.D.	Doctor of Letters
LL.B.	Bachelor of Laws
	Bachelor of Law (Cambridge)
LL.D.	Doctor of Laws
	Doctor of Law (Cambridge)
LL.M.	Master of Laws
	Master of Law (Cambridge)

M.A.	Master of Arts
M.A. (Admin.)	Master of Arts in Administration
M.A. (Arch.)	Master of Arts (Architecture)
M.A. (Com.)	Master of Arts in Commerce
M.A. (Econ.)	Master of Arts in Economics and Politics
M.Agr.	Master of Agriculture
M.A.O.	Master of Obstetrics
M.Arch.	Master of Architecture
M.B.	Bachelor of Medicine
M.C.D.	Master of Civic Design
M.Ch.	Master of Surgery
M.Ch.D.	Master of Dental Surgery
M.Chir.	Master of Surgery
M.Ch.Orth.	Master of Orthopædic Surgery
M.Com.	Master of Commerce
M.D.	Doctor of Medicine
M.D.S.	Master of Dental Surgery
M.Ed.	Master of Education
	Master in Education (Manchester)
M.Eng.	Master of Engineering
M.Litt.	Master of Letters
M.Met.	Master of Metallurgy
M.Mus.	Master of Music
M.Pharm.	Master of Pharmacy
M.Rad.	Master of Radiology
M.S.	Master of Surgery
M.Sc.	Master of Science
M.Sc. (Agric.)	Master of Science (Agriculture) (London)
	Master of Science in Agriculture (Nottingham)
M.Sc. (Econ.)	Master of Science in Economics (Belfast)
	Master of Science (Economics) (London)
M.Sc. (Eng.)	Master of Science (Engineering) (London)
	Master of Science in Engineering (Nottingham)
M.Sc. (Est. Man.)	Master of Science (Estate Management)
M.Sc. (Hort.)	Master of Science in Horticulture
M.Sc. (Min.)	Master of Science in Mining
M.Sc.Tech.	Master of Technical Science
M.Tech.	Master in Technology
M.Th.	Master of Theology
Mus.B.	Bachelor of Music
Mus.Bac.	Bachelor of Music
Mus.D.	Doctor of Music
Mus.Doc.	Doctor of Music
Mus.M.	Master of Music
M.V.Sc.	Master of Veterinary Science
Ph.D.	Doctor of Philosophy
	Doctor in Philosophy (Liverpool)
Sc.D.	Doctor of Science

APPENDIX VI

COMMONWEALTH STUDIES IN THE
UNITED KINGDOM

A summary of the regulations governing the admission of students from the Commonwealth overseas to the United Kingdom Universities will be found in Appendix I above.

Appendix II lists many Fellowships and Scholarships which are tenable at United Kingdom Universities and University Colleges and for which graduates from the Commonwealth overseas are eligible to compete. University teachers on study leave, and postgraduate research workers, wishing to travel to the United Kingdom from another part of the Commonwealth, should note especially the Commonwealth University Interchange arrangements summarized on p. 1362. The awards listed in Appendix II are "open," *i.e.* not restricted to graduates of any one University. There are also other, restricted, awards, *e.g.* the Beaverbrook Scholarships tenable only at London University by graduates from the University of New Brunswick, Mount Allison University, and Bishop's College, Lennoxville; and the "Toronto" Fund, administered by Manchester University, from which grants are made to Canadian students, with a preference for those from the University of Toronto, who wish to conduct postgraduate study or research at Manchester.

There are ample facilities at United Kingdom Universities and Colleges for the study of the Commonwealth and Colonial aspects of a great many subjects, including Agriculture, Anthropology, Archæology, Botany, Economics, Geography, History, Law, Medicine (especially Tropical Medicine), Politics, and Zoology. For details, *see* individual University entries above and the official publications of the various Universities. Attention is drawn to the following appointments and institutes:

BRISTOL. Professor of Imperial History; Lecturer in Colonial History and Administration.

LONDON. The University of London has recently established an Institute of Commonwealth Studies, with the object of promoting the study of Commonwealth problems; further information from the Librarian/Secretary, 27 Russell Square, London, W.C.1. The University maintains the following Chairs and Readerships in Commonwealth subjects: *Chairs*—Commonwealth Affairs; Imperial History; Education, with special reference to Colonial Areas. *Readerships*—Colonial Administration; Imperial History; Law (Colonial Territories).

OXFORD. An Institute for Colonial Studies was established in 1945 ; further information from the Director, South Parks Road, Oxford. University appointments include the following : Beit Professor of the History of the British Empire ; Professor of Colonial Economic Affairs ; Reader in Colonial Administration ; Reader in Indian History ; Beit Lecturer in the History of the British Empire ; University Lecturers in African Sociology, Colonial Administration, Colonial Economic History, Indian Sociology.

APPENDIX VII

UNIVERSITIES OF THE REPUBLIC OF IRELAND

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

[Information compiled as at July 1951.]

UNIVERSITY OF DUBLIN,
TRINITY COLLEGE

Founded 1592

Telephone: Assistant Registrar—Dublin 74821.

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—A. J. McCONNELL, D. d'U. Rome, M.A., Sc.D. Dub.

LADY REGISTRAR—CHRISTABEL F. GODFREY, M.A.

REPRESENTATIVES IN SEANAD EIREANN—W. R. FEARON, M.A., M.B., Sc.D.; J. W. BIGGER, Sc.D., M.D.; W. B. STANFORD, M.A., Litt.D.

SENIOR FELLOWS OF THE COLLEGE—

Gwynn, Rev. R. M., M.A., B.D.,	Tate, Sir Robert W., K.B.E.,
<i>Sr. Dean and Catechist</i> ; <i>Sr.</i>	M.A. Camb., M.A., Litt.D.,
<i>Tutor for Admissions.</i>	O.Lég. d'H., <i>Sr. Proctor and</i>
Thrift, H., M.A., <i>Bursar.</i>	<i>Public Orator.</i>

Luce, Rev. A. A., Litt.D., D.D., <i>Vice-Provost.</i>	Godfrey, F. La T., M.A., Sr. <i>Lectr.</i>
Johnston, J., M.A., <i>Auditor.</i>	Fearon, W. R., M.A., Sc.D., M.B.

JUNIOR FELLOWS OF THE COLLEGE—

Parke, H. W., M.A., Litt.D., <i>Librarian.</i>	Mitchell, G. F., M.A., M.Sc., Jr. <i>Dean.</i>
McConnell, A. J., D. d'U. Rome, M.A., Sc.D., <i>Registrar.</i>	*Quin, E. G., M.A.
*Duncan, G. A., M.A., LL.B.	*Furlong, E. J. J., M.A.
*Broderick, T. S., M.A.	*Gregg, A. H., M.Sc. Belf., Ph.D. Lond., M.A.
Walton, E. T. S., Ph.D. Camb., M.A., M.Sc.	*Smyth, J. D., B.Sc., Ph.D.
*Stanford, W. B., M.A., Litt.D.	*Luce, J. V., M.A.
*Wormell, D. E. W., M.A., Ph.D. Yale.	Webb, D. A., M.A., Ph.D.
*Moody, T. W., B.A. Belf., Ph.D. Lond., M.A.	Sloman, A. E., M.A., D.Phil. Oxon.
O'Meara, R. A. Q., Sc.D., M.D.	Pyle, W. F., M.A., Ph.D.
*Coutts, J. A., LL.B., M.A. Camb., M.A.	McDowell, R. B., M.A., Ph.D.
	Pepper, D. C., M.A., B.Sc. Lond., Ph.D. Camb.
	Lyons, F. S. L., M.A., Ph.D.

HONORARY FELLOWS—

Ross, Sir W. David, Litt.D.	Dixon, H. H., Sc.D., F.R.S.
Weaver, J. R. H., Litt.D.	Bigger, J. W., Sc.D., M.D.

TEACHING STAFF

<i>Anatomy, Human, and Embryol.,</i> v. also Zool.	<i>Astronomy</i>
Erskine, C. A., Ph.D. Prof.	O'Connor, F. J., B.A. Lectr.
Gill, F., M.D. Univ. Anatomist.	<i>Biochemistry and Biophysics, v.</i>
Kinnear, N. A., M.B. (App. Anat.) Lectr.	<i>Medicine, infra</i>
Weekes, Blanche, M.B. Chief Demr.	<i>Botany and Plant Biol.</i>
Constable, G. W., M.B. Demr.	Webb, D. A., M.A., Ph.D. Prof.
Fegan, W. G., M.B. Demr.	Dawson, G. W. P., B.A. Camb. Asst.
Wilson, Katherine F., M.B. St. And. Demr.	Boatman, D. J., B.Sc. Lond. Asst.
<i>Anglo-Saxon</i>	<i>Celtic Languages, v. also Irish</i>
Liddell, M. F., M.A., Ph.D. Lectr.	Knott, Eleanor, D.Litt. N.U.I., M.A. Lectr.
<i>Art, History of</i> [Hon. Prof.]	Quin, E. G., M.A. Lectr.
Bodkin, T., M.A. Birm., D.Litt. N.U.I., Litt.D., Chev. Lég. d'H.	<i>Chemistry</i>
	Cocker, Wesley, Sc.D., Ph.D. Manc., F.R.I.C. Prof.

* Tutor Fellows.

Reader.
Pepper, D. C., B.Sc. Lond., Ph.D.
Camb., M.A. Lectr.
Stuart, E. R., B.Sc. St. And. Lectr.
Cross, B. E., Ph.D. Lond. Lectr.
Hutchison, H. P., M.A. Oxon.

Lectr.
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., M.A., Litt.D., O.Lég.
d'H. (Classical Composition)
Honor Lectr.

Luce, J. V., M.A. Lectr.

Commerce

Lecturers

Johnston, J., M.A. (Econ.).
Duncan, G. A., M.A., LL.B. (Econ.).
Byrne, J. J., LL.B. N.U.I., M.Sc.
Camb. (Econ.).
Lyons, F. S. L., M.A., Ph.D. (Econ.
Hist.).
Haughton, J. P., M.A., M.Sc.
(Comm. Geog.).

Butler, W. B., M.A. (Accounting).
Thornton, E. H., M.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).

Foley, P. A. (Transport).

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.

Divinity, v. Theol., infra

*Economics, v. Polit. Econ. and
Commerce*

Education

Crawford, Rev. E. A., B.D., Ph.D.
Prof.

Little, Anita C., M.A. Asst.

Pearson, Eileen F., B.A. Asst.

Layng, A. E., LL.D. Asst.

Wilson, C. D., B.A. Asst.

Engineering, Civil

Purser, J., M.Sc. Birm., M.A.,
M.A.I. Prof.

Graham, V. W., M.A. Lectr.

Roberts, A. I. N., B.A. Camb.,
M.A., B.A.I. (Building Con-
struction) 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, Electrical

Allen, R. G., D.Sc. N.U.I., M.A.
(Practice of E. Eng.)
Lectr.

O'Brien, Col. E., D.S.O., B.Sc.
Leeds, M.A.

(Railway Traction) Lectr.

*Engineering, Sanitary, v. Public
Health*

English Lang. and Lit.

White, H. M. O., M.A. Belf. Prof.

Pyle, W. F., M.A., Ph.D. Reader.

French, R. B. D., M.A. Lectr.

Davie, D. A., M.A. Camb. Asst.

French

Arnould, E. J. F., Ph.D., D.Lit.
 Lond., D. ès L. Paris Prof.
 Skeffington, O. L. S., M.A., Ph.D.
 Reader.

Orgel, Vera, Ph.D. Lectr.
 MacCarthy, Ethna M., M.A., M.B.
 Asst.

Leventhal, A. J., M.A., Ph.D.
 Asst.
 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., Ph.D. Asst.

Geophysics

Poole, J. H. J., M.A., M.A.I., Sc.D.
 Prof.

German

Liddell, M. F., M.A. Dub. and
 Edin., Ph.D. Birm. Prof.
 Leventhal, A. J., M.A., Ph.D.
 Asst.

Scheyer, E., M.A. Breslau, Dr.
 Juris. Berl. Asst.
 North, Meta E., M.A. Asst.

*Hebrew, v. Orient. Langs., infra**History, Ancient*

Parke, H. W., M.A. Dub. and
 Oxon., Litt.D. Prof.

*History, Ecclesiastical, v. Theol.,
 infra**History, Modern, v. also Oratory
 and Hist.*

Moody, T. W., B.A. Belf., Ph.D.
 Lond., M.A. Prof.

Otway - Ruthven, Annette J.,
 Ph.D. Lecky Prof.

McDowell, R. B., Ph.D. Lectr.
 Lyons, F. S. L., M.A., 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, Sorchá, 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.
 Camb., M.A., Litt.D., O.Lég.
 d'H. 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.
 McConnell, A. J., D. d'U. Rome,
 M.A., 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., M.A.
 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.

Denard, W. V., B.Litt. Lectr.

Phonetics

Quin, E. G., M.A. Lectr.

Physics

Walton, E. T. S., Ph.D. Camb., M.A., M.Sc.

Erasmus Smith's Prof.

Poole, J. H. J., M.A., M.A.I., Sc.D. Lectr.

Gregg, A. H., M.Sc. Belf., Ph.D. Lond. Lectr.

Delaney, C. F. G., B.Sc., Ph.D. 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.
Wilson, R., M.D. (Appl. P.) Lectr.

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.

Dowrick, F. E., B.A. Oxon. Lectr.

Administrative and Indust. Law

King, F. C., B.A. Lectr.

Penal Legislation, Const. and Crim. L., and L. of Evid.

Cassidy, Agnes B., LL.B., M.A. Reid Prof.

Roman Law

M'Kenna, C. B., LL.D. Lectr.

Medicine (Physic)

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

Moorhead, T. G., LL.D. Belf., M.D., D.P.H., 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.

Stewart, F. S., M.D. Prof.

McKeever, J. D., M.D. Lectr.

Davidson, Mary G., M.Sc. Asst.

Biochemistry

Fearon, W. R., M.A., M.B., Sc.D. Prof.

Bell, E. A., B.Sc. Durh., Ph.D. 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

Stewart, F. S., M.D. 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.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.

McCarthy, Joan, M.B. Asst.

*Psychological Medicine*Bennet, E. A., M.C., M.A., Sc.D.,
M.D., D.P.M. Lectr.

Eustace, H. J., M.B. Lectr.

Moore, J. N. P., M.D. Lectr.

*Public Health**Lecturers*Roberts, A. I. N., B.A.I. (San.
Constrn. and Planning).Collis, W. R. C., F.R.C.P.,
F.R.C.P.I. (Pædiatrics).Steen, R. E., M.D., F.R.C.P.I.
(Pædiatrics).McSweeney, C. J., M.D. N.U.I.,
F.R.C.P.I. (Infectious Dis-
eases).*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*Chance, A., M.Ch., M.D.
Hon. Prof.*Oriental Languages**Arabic*

Weingreen, J., M.A., Ph.D. Lectr.

*Hebrew*Weingreen, J., M.A., Ph.D.
Erasmus Smith's Prof.Gwynn, Rev. R. M., M.A., B.D.
Lectr.Baker, J., M.A., LL.B., Ph.D.
Lectr.*Sanskrit and Compar. Philol.*

Quin, E. G., M.A. Lectr.

Theology

(v. also Orient. Langs.)

*Biblical Greek*Gwynn, Rev. R. M., M.A., B.D.
Prof.*Divinity*Oulton, Rev. J. E. L., M.A., D.D.
Regius Prof.Hartford, Rev. R. R., M.A., 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

1951—G. North, LL.D.

John Joly Lecturer

1951—Prof. R. F. Flint.

John Mallet Purser Lecturer

1951—J. H. Burn, M.D., F.R.S.

ADMINISTRATIVE AND OTHER STAFF

Public Orator, Sir Robert W. Tate, K.B.E., Litt.D. Asst. Librarian, J. Hanna, M.A. Asst. Registrar, J. H. Shaw, M.A. Lady Registrar, Christabel F. Godfrey, M.A. Asst. Registrar, Anne V. Hart, M.Sc. Sec. Appointments Asscn., A. J. Leventhal, M.A., Ph.D. Sec., Houses of Residence Cttee., J. P. Houghton, M.Sc. Law Agent and Keeper of the Records, D. McGillicuddy, B.A. Medical Adviser to Resident Students, J. A. Wallace, B.Sc., M.D. Consulting Architect, A. I. N. Roberts, M.A., B.A.I., B.A. Camb. Accountant, C. B. Kennedy, M.A. Assts. to Bursar, Olive B. Russell, M.A.; J. F. Rowlands, B.A., B.Comm. Warden, Trinity Hall, Clara B. Crawford, M.A. Deans of Residence—(Presbyterian Students), Rev. G. B. G. McConnell, B.A. Belf.; (Church of Ireland), Rev. G. O. Simms, B.D., Ph.D.; (Methodist), Rev. R. G. Livingstone, B.A. Lond.

ASSOCIATED COLLEGES

MAGEE UNIVERSITY COLLEGE, Londonderry. (*Telephone*: Londonderry 2145.) President, Prof. T. Finnegan, M.A. Camb. For first 3 yrs. of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, 4 Kildare Place, Dublin. (*Telephone*: 62946.) Chaplain-Secretary, Rev. G. O. Simms, B.D., Ph.D. 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, Ballsbridge, Dublin. (*Telephone*: 64384.) Principal, Prof. T. G. Browne. 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 523,000 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.*—E. A. Crawford, M.A., Ph.D.; *Agric.*—J. Purser, M.A.; *Comm.*—F. B. Chubb, M.A., D.Phil.; *Social Sci.*—Eileen Duncan, M.Sc.

ADMISSION. *Arts* (including Science). The Matricn. Examn., held 6 times a yr., comprises English Composition, Maths., Latin, a second lang. and a subject chosen from Physics, Chem., Biol., Hist., and Geog. Exempting Examinations—*Gt. Britain and Ireland*: Candidates who have passed the Examn. for Leaving Certifs. held by the Dept. of Educn. in the Irish Free State, or the Examn. for Sr. Certifs. held by the Ministry of Educn. in N. Ireland, or any other examns. regarded by the Sr. Lectr. as equivalent thereto, are qualified for entrance to Trinity Coll. on passing, if required to do so by the Sr. Lectr., a further examn. in those subjects, if any, of the Trinity Coll. Entrance Examn. which are not included in those which they have already passed. *Africa*: Certifs. in Dutch or Afrikaans may be presented by S. African students, and in various African langs. by other African students, in part fulfilment of entrance requirements.

ADMISSION TO ADVANCED STANDING. Special regulns. provide for the grant of credit for previous academic attainments at the Univs. of Oxford and Cambridge, while students or graduates of the following Univs., Aberdeen, Belfast, Birmingham, Bristol, Durham, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, St. Andrews, Sheffield, Wales, and the National Univ. of Ireland, may be allowed credit *pro tanto* for the first 2 yrs. and the examn. held at their expiration; but every such student must keep at least 2 yrs. at Trinity Coll.: and further, no medical degree can be taken without at least 3 yrs.' attendance. *Dominions, U.S.A., etc.*: Certain privileges in Arts are granted to approved students of the following Univs. and Colls.: Adel., Agra, Alld., Annamalai, Bom., Calc., Dacca, Dalhousie, King's Coll. (Halifax, N.S.), Laval, Lucknow, McGill, Madras, Melbourne, Nagpur, New Brun., N. Zeal., Panj., Patna, Queen's (Kingston, Ont.), Queensland, Rangoon, Saskatchewan,

Syd., Tas., Tor., Western Ontario, the Univs. in South Africa, and Univs. and Colls. in the U.S.A. approved by the Assn. of American Univs.

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 yrs. of the honour course in Natural Science. In the last two years the student studies 3 subjects chosen from Physics, Chem., Bot., Zool., Geol., Geog.

The B.D. is obtained by an examn. open to all grads. in Arts, the D.D. is open to any B.D., 8 yrs. after taking B.A., and is awarded on a thesis or published Theol. work.

The LL.B. course covers 2 yrs.; the M.B., B.Ch., and B.A.O., 6 yrs.; B.Dent.Sc., 6 yrs.; B.A.I., 3 yrs. (optional 4th yr. in Elec. and Mech. Engin.); Agr.B. or Agr. (Forestry) B., 4 yrs., of which 3rd and 4th are taken in Univ. Coll. (N.U.I.); B.Comm., 3 yrs. The M.Sc. and Ph.D. involve postgraduate study and research for 1 yr. and 2 yrs. respectively. Candidates for M.Sc. must be science graduates with 1st or 2nd class honours. Candidates for Ph.D. must, except by special permission of the Board, be graduates with 1st class honours.

A candidate for the Sc.D. or Litt.D. must have at least 3 yrs.' standing as B.A., or have obtained M.Sc., B.Litt., or Ph.D., and submit important original work; for LL.D. must be of M.A. standing—a thesis or a published work is required; for M.D. must have taken the M.B. degree, be of M.A. standing;

for M.Ch. must be a B.Ch. of 3 yrs.' standing; for M.A.O., a B.A.O. of 2 yrs.' standing; a thesis or examn. is required for M.D., an examn. for the M.Ch. or M.A.O. A candidate for M.Dent.Sc. must be a B.Dent.Sc. of 3 yrs.' standing, and pass an examn.; for M.A.I. must have practised his profession for 3 yrs. after graduating as B.A.I.

The Mus.B. is granted after an exercise or practical test and 2 examns., the Mus.D. after an exercise and examn.

DIPLOMAS in Agric., 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.

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. *Trinity*, an annual record, life subs. £2. *T.C.D. (Students')*, 4d. weekly.

THE YEAR 1949-50

BENEFACTIONS. Increase by Miss Grania Guinness of amount made available for the Moyne Inst. from £75,000 to £85,000. Scholp. from Italian Govt.

for student to spend Long Vac. in Italy. 2 *Bourses* from French Govt. for 1 yr.'s stay at a French Univ. Various gifts of books, scientific equipment, etc.

NEW DEPARTMENT. Honours, Moderatorship, and Scholarship instituted in Anc. and Mod. Lit. in which students may pursue a course in 2 langs., one of which must be Greek or Latin and the other chosen from English, French, German, Irish, Italian, or Spanish.

VISIT BY TEACHER FROM ANOTHER UNIVERSITY. Prof. Sukenik, Hebrew Univ., Jerusalem. Subject: "The Dead Sea Scrolls."

RETIREMENT. Prof. R. J. Fynne (Educn.).

RESIGNATIONS. Prof. J. W. Bigger (Bacteriol.), Prof. J. A. Coutts (Laws), on appt. at Univ. of Bristol, Dr. C. Lipman (Chem.), A. Marsh (Educn.).

DEATHS. J. Fraser, S.F.T.C.D.; R. M. Henry, Hon. Prof. Classical Lit.; E. A. Werner, Hon. Fellow.

HONORARY DEGREES. *LL.D.*—The Earl of Rosse, Vice-Chancellor; G. Garrett, American Ambassador to Irish Republic; Sir G. Festus Kelly, President of Royal Academy; A. Chester-Beatty. *Litt.D.*—G. N. Clark, Provost, Oriel College, Oxford; J. F. Mountford, Vice-Chancellor, Univ. of Liverpool. *D.D.*—C. E. Raven, Master, Christ's College, Cambridge. *Sc.D.*—C. F. Powell, Prof. of Physics, Univ. of Bristol.

DEGREES (*jure dignitatis*). *LL.D.*—F. H. Boland, Sec., Dept. External Affairs; W. Warnock, Irish Minister to Switzerland. *D.D.*—J. H. K. Gibson, Moderator, General Assembly of Presbyterian Church in Ireland.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	249	1716
Women	98	685
Total	347	2401

Included in the above are 90 postgraduate students and 212 first-year admissions.

DEGREES. Agr.B., 3; B.A., 302; M.A., 105; Litt.D., 4; Ph.D., 9; B.Litt., 2; B.Comm., 14; B.Dent.Sc., 4; B.D., 4; D.D., 3; B.A.I., 37; LL.B., 8; LL.D., 2; M.B., 63; M.D., 16; Mus.B., 3; Mus.D., 1; B.Sc., 14; Sc.D., 2.

[Information compiled as at Sept. 1951.]

THE NATIONAL UNIVERSITY OF IRELAND

Founded 1909

Telegrams : Natuniv, Dublin.

Telephone : Registrar—Dublin 62470.

CHANCELLOR—EAMON DE VALERA, T.D., B.A., B.Sc., Ph.D., LL.D.

VICE-CHANCELLOR—(for biennium ending Dec. 31, 1953), ALFRED O'RAHILLY, M.A., D.Sc., D.Phil., D.Litt., President, University College, Cork.

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS. OF DUBLIN 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.

ADMINISTRATIVE AND OTHER STAFF

Chief Clerk, J. A. Wilmot, B.A., B.Comm., H.Dip. in Ed. Accountant Clerk, J. Bourke, M.Comm. Other Clerks: Mary E. O'Connor; J. P. Kane, B.Comm.; P. J. Costello, M.A., B.Comm., H.Dip. in Ed., Dip.Pub.Adm.; T. I. Kelly, B.Comm.; M. J. Tracy, B.A., B.Comm.

CONVOCATION. Chairman, T. A. O'Rourke, B.A., B.Comm., H.Dip. in Ed. Clerk, W. J. Williams, M.A., H.Dip. in Ed.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGES OF DUBLIN, CORK, AND GALWAY.

RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH. (*Telephone* : Maynooth 4.) 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. Hackett, M.A., D.D. *Education*—Rev. M. A. Brennan, M.A., Ph.D., H.Dip. in Ed. *English*—Rev. C. Kevin, M.A.; Rev. J. J. McMackin, M.A. *French*—Rev. H. Schild, L. ès L. *German*—Rev. H. Schild, L. ès L. *Irish*—Rev. D. 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. P. McKerritt, D.Ph.; Rev. J. D. 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.

ADMISSION. The normal method of entry is by the Matricn. Examn. of the Univ.

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).

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 (1954), 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. 7d.

THE YEAR 1949-50

HONORARY DEGREES. *LL.D.*—H.E. Norman T. Cardinal Gilroy, Archbishop of Sydney; H.E. Most Rev. Mgr. E. Felici, Nuncio Apostolic to Ireland; Dr. H. L. Shattuck; J. P. Boland. *D.Sc.*—Sir Alexander Fleming; Dr. P. S. Hench; Dr. E. C. Kendall. *D.Litt.*—Rev. J. A. H. Irwin; Rt. Rev. Mgr. J. Shine, M.A.; Mrs. Mary Macken. *D.Econ.Sc.*—Dr. J. E. Carrigan.

TRAVELLING STUDENTSHIPS. Three in the year 1949-50.

DEGREES. B.Agr.Sc., 37; M.Agr.Sc., 1; B.Arch., 14; B.A., 378; M.A., 40; D.Litt., 1; B.Comm., 116; M.Comm., 1; M.Econ.Sc., 4; B.Sc. (Dairying), 6; B.D.S., 33; B.E., 112; M.E., 2; LL.B., 2; M.B., B.Ch., B.A.O., 229; M.D., 11; M.Ch., 9; M.A.O., 5; B.Mus., 7; B.Sc., 139; M.Sc., 26; M.V.B., 5; Ph.D., 6.

DIPLOMAS. Dip. in Educn., 3; H.Dip. in Educn., 205; Diploma in Library Training, 10; Dip. in Social Sci., 17; Dip. in Commerce, 1; Certif. in Commerce, 1; Dip. in Dairy Sci., 19; D.P.H., 12; Dip. in Psychol. Medicine, 9; Dip. in Child Health, 3; C.P.H., 29; Dip. in Chem. Technol., 7.

UNIVERSITY COLLEGE, DUBLIN

Founded 1909

Telephone : 52116.

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—ELLEN POWER, M.A., F.L.A.

TEACHING STAFF.

*Accountancy*O'Brien, G. W., M.A., B.Comm.
Lectr.*Agriculture, v. infra**Anatomy*Keenan, E., M.D., B.Ch., B.A.O.
Prof.*Archæology, Celtic*Ó Ríordáin, S. P., M.A., Ph.D.,
D.Litt., F.S.A. Prof.*Architecture*FitzGerald, D. P. J. M., B.Arch.,
F.R.I.A.I. Prof.
McDermott, M., B.Arch. Lectr.*Banking and Finance*

Colbert, J., B.Comm. Lectr.

*Botany*Doyle, J., B.A., D.Sc. Prof.
Clinch, Phyllis E. M., Ph.D., D.Sc.
Lectr.*Chemistry*Wheeler, T. S., D.Sc., Ph.D.,
F.R.C.S.I. Prof.
Algar, J., B.A., D.Sc. Prof.
Keane, J., M.Sc., Ph.D. Lectr.
Riley, Frederick T., B.A., M.Sc.
Lectr.*Chemistry, Phys. and Metallurgical*Leonard, A. G. G., M.Sc., Ph.D.,
F.R.C.S.I. Lectr.*Classics*Tierney, J. J., M.A. Prof.
O'Meara, J. J., M.A., D.Phil.
Oxon. Prof.*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., Ph.D.
Lectr.*Engineering, Elect., v. Physics**Engineering, Mechanical*Hogan, M. A., D.Sc. Lond., B.E.,
B.Sc. Prof.
Leahy, P., M.E., Ph.D. Lectr.
O'Donnell, J. P., M.E., B.Sc.
Lectr.*English Lang. and Philology*

MacSweeney, J. J., M.A. Lectr.

*English Literature*Hogan, J. J., B.Litt. Oxon., M.A.
Prof.

McHugh, R. J., M.A., Ph.D. 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., D.Litt. Prof.

History, Mediæval

Gwynn, Rev. A., M.A., B.Litt.
 Oxon. Prof.

History, Modern

Williams, T. D., M.A. Prof.

History, Modern Irish

Edwards, R. W. D., M.A., D.Litt.
 Prof.

Irish, Early and Mediæval

Shaw, Rev. F., M.A. Prof.

Irish Lang. and Lit., Modern

Ó Cadhlaigh, C., M.A. Prof.
 Delargy, J. H., M.A.

(Irish Folk-lore) Prof.

Murphy, H. G. A., M.A.

(Hist. of Celtic Lit.) Prof.

Hayes, M., M.A. Lectr.

Italian and Spanish Langs. and Lit.

McBride, P. P., Dr. en L. Madrid,
 M.A. Prof.

Bannan, E. F., Dr. en L. Madrid,
 B.A. (Spanish) Lectr.

Law, v. infra

Mathematics

Gormley, P. G., M.A., Ph.D. Prof.
 Timoney, J. R., M.A. Lectr.

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, Very Rev. D. Canon,
 M.A. (Ethics and Politics) Prof.

O'Doherty, Rev. E. F., M.A.,
 B.D., Ph.D. (Logic and Psy-
 chol.) Prof.

Horgan, Rev. J., M.A., D.D., Ph.D.
 (Metaphysics) Prof.

*Physics and Electrical Engineer-
 ing*

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.

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., B.Sc. Prof.

Agricultural Chemistry

O'Sullivan, G. F., M.Sc. Lectr.

Agricultural Zoology

Carroll, J., D.Sc., 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., B.Sc. Prof.

Plant Breeding

Caffrey, M., B.Sc. Prof.

Plant Pathology

McKay, J., D.Sc., F.R.C.S.I.
Prof.

Soil Physics

Gallagher, P. H., D.Sc. Lectr.

Dentistry

Dunkin, F. J., M.B., B.Ch., B.D.S.
(D. Surg.) Actg. Prof.

O'Dea, F. J., B.D.S. (D.Mech.)
Actg. Prof.

Flanagan, L., B.D.S., M.B., B.Ch.,
B.A.O. (Orthod.) Lectr.

*Law**Constitutional Law, Internat. and Criminal Law and Procedure*

McGilligan, P., M.A., B.L. Prof.

Law of Property and of Common Law, Equity

Ryan, M. J., B.E., B.Sc., LL.B.
Prof.

Roman Law, Jurisprudence and Legal History

Henchy, J. A., M.A., LL.B., Ph.D.
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.
O'Farrell, P. T., M.D., D.P.H.,
D.T.M., F.R.C.P.I.
Actg. 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.

Pharmacol. and Biochemistry

Conway, E. J., D.Sc., M.B., B.Ch.,
B.A.O., F.R.S. Prof.

Brady, T. G., M.Sc., Ph.D. (Bio-
chem.) Lectr.

Public Health and Bacteriology

O'Kelly, W. D., D.Sc. (Pub.
Health), M.D., D.P.H. Prof.

O'Callaghan, W. P., M.B., B.Ch.,
B.A.O., D.P.H., D.Sc. (Public
Health) Lectr.

<i>Radiology</i>		<i>Veterinary Medicine and Meat Inspection</i>	
Geraghty, J. A., M.D.	Lectr.	O'Dea, A. F., M.Vet.Sc., D.V.S.M.	Prof.
<i>Surgery</i>		<i>Veterinary Pathology and Bacteriology</i>	
Barniville, H. L., B.A., M.D., M.Ch.	Prof.	Kearney, W., M.Vet.Sc.	Prof.
Meade, H. S., M.Ch., F.R.C.S.I. (Systemic Surg.)	Prof.	<i>Veterinary Physiology, Biochemistry, Histology, and Embryology</i>	
<i>Therapeutics</i>		Nicholson, J. A., M.A., Ph.D., M.Vet.Sc.	Prof.
O'Donovan, D. K., M.D., M.Sc., Ph.D.	Lectr.	<i>Veterinary Surgery and Obstetrics</i>	
<i>Veterinary Medicine</i>		McGeady, P. A., M.Vet.Sc.	Prof.
<i>Veterinary Anatomy</i>		Staff of Assistants and Demonstrators in all Depts.	
Browne, T. G., M.Sc., M.Vet.Sc.	Prof.		

ADMINISTRATIVE AND OTHER STAFF

Officers of Residence: Rev. H. J. McKernan, B.A., S.T.L.; Rev. P. O'Kane, B.A.; Rev. J. Burden, University Hall; Rev. Dom M. Dillon, Balnagowan House; Rev. Brother Serenus, M.A., De La Salle Hall; Miss Norah Greene, B.Sc., H.Dip. in Ed.; Mrs. Mary Murphy, B.A., H.Dip. in Ed.; Mother Mary Liguori, Loreto Hall; Mother Mary E. Purcell, St. Mary's Dominican Hall; Ven. Archdeacon E. G. Sullivan, M.A.; Rev. G. G. Myles, M.A., H.Dip. in Ed.; Rev. J. N. Thompson, M.A. Asst. to Registrar and to Sec. and Bursar, T. Ó Cleirigh, M.A. Asst. Sec., J. P. MacHale, B.A., M.Comm. Clerk of Medical School, Mrs. E. McGilligan, B.Sc. Warden of Newman House, P. Sheridan, B.E.

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.

HOSPITALS. Recognized for clin. instruction: 10 General Hospls.; 2 Fever; 2 Children's; 3 Midwifery; 2 Ophthalmol. and Otorhinolaryngol.; 1 Mental Diseases.

FACULTIES AND COURSES. The Coll. is empowered to provide teaching for Degrees and Diplomas of N.U. of I. Courses are provided in the Facs. 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.

DEANS OF FACULTIES. Arts, Prof. J. J. Hogan ; Philosophy, Very Rev. Prof. D. Canon O'Keeffe ; Celtic Studies, Prof. J. Lloyd-Jones ; Science, Prof. T. S. Wheeler ; Law, Prof. M. J. Ryan ; Medicine, Prof. J. M. O'Connor ; Commerce, Prof. G. O'Brien ; Engineering and Architecture, Prof. P. F. Purcell ; General Agriculture, Prof. J. P. Drew ; Veterinary Medicine, Prof. T. G. Browne.

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.

ADMISSION. Students who have not passed the Matricn. Examn. of the N.U. or the Leaving Certif. of the Irish Dept. of Educn. or the Sr. Certif. of the N. Ireland Dept. of Educn., must apply to the President of the Coll. for admission and for exemption from the Matricn. Examn. Exemption will be granted only on production of evidence that candidates have passed an equivalent examn. in the requisite 5 subjects.

RESIDENCE. Hostels—*Men* : University Hall, Hatch St. ; Balnagowan House, Palmerston Pk. ; De La Salle Hall, Ely Pl. *Women* : Loreto Hall, 77 St. Stephen's Green ; St. Mary's Dominican Hall, 49 St. Stephen's Green. Students are subject to supervision by Officers of Residence.

STUDENTS' HEALTH BUREAU. The Bureau is concerned with all aspects of the health of students, and the assistance of the Bureau is freely available during office hours to any student who is anxious about his or her health.

PUBLICATION. *Calendar*, Nov., 5s.

THE YEAR 1949-50

BENEFACTIONS. Valuable collection of books for Coll. Library from French Embassy.

NEW BUILDINGS. New Distillation Lab. and Micro-chemical Analysis Lab. for Dept. of Chem.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. B. Fairley (Toronto) : "Goethe's Dramatic Characters." Prof. J. Kelleher (Harvard) : "Modern Anglo-Irish Lit." Prof. J. J. C. Buckley (London Sch. of Hyg. and Trop. Med.) : "The Role of the Zoologist in Preventive Med." Prof. W. Cocker (Dublin) : "The Development of Synthetic Dyes since 1856." Prof. K. G. Emeleus (Belfast) : "The Production of the Auroral Light." Prof. E. R. H. Jones (Manchester) : "Some Problems in the Chemistry of Vitamin D." Dr. E. G. V. Percival (Edinburgh) : "Problems in Polysaccharide Chemistry." Prof. M. Stacey (Birmingham) : "Deoxysugars and Nucleic Acids."

VISITS BY MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. Françoise Henry, Oslo : "Early Christian Art in Ireland." Dr. R. McHugh, Cambridge : "Seán O'Casey and the Irish Theatre" ; Uppsala, Stockholm, Gothenburg, Oslo : Anglo-Irish literature and drama ; Nat. Univ. of Iceland : Irish dramatic literature. Prof. T. S. Wheeler, Glasgow and Edinburgh : "Synthesis of Flavones."

EXTRA-MURAL WORK. A Bd. of Extra-mural Studies was instituted.

VACATION COURSES. Summer Course on Contemporary Ireland (designed primarily for students from Overseas); Holiday Course for Music Teachers.

RETIREMENTS. Mary Macken (Prof. of German from 1911); K. McGrath (Prof. of Dental Surg.).

DEATHS. O. J. Bengin (Prof. of Early and Med. Irish, from 1909); R. A. S. Macalister (Prof. of Celtic Archæol., from 1909); J. N. Mienan (Prof. of Hyg. and Med. Jurispr., from 1909 to 1926; Prof. of Systematic Med., from 1926).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	210	2192
Women	82	716
Total	292	2908

DEGREES, ETC. B.A., 26; M.A., 31; Higher Dipl. Educn., 125; B.Sc., 57; M.Sc., 11; M.B., B.Ch., B.A.O., 142; M.D., 10; M.A.O. or M.Ch., 6; B.D.S., 25; LL.B., 5; B.E., 68; M.E., 2; B.Comm., 37; M.Comm. or M.Econ.Sc., 1; B.Arch., 14; B.Mus., 8; Ph.D., 6; B.Agr.Sc., 34; D.P.M., 8; Dipl. Lib. Training, 9; Dipl. Social Sc., 19; D.C.H., 3; D.P.A., 27; C.P.H., 28; D.P.H., 11.

UNIVERSITY COLLEGE, CORK

Founded 1845

Telephone: Cork 21371.

PRESIDENT—A. O'RAHILLY, M.A., D.Sc., D.Phil., D.Litt.

REGISTRAR—H. ST. J. ATKINS, M.Sc.

SECRETARY AND BURSAR—J. HURLEY, B.A., B.Comm.

LIBRARIAN—T. A. CONROY, M.A.

TEACHING STAFF

Accounting and Business Administration

..... Lectr.
 O'Mahony, W. J., B.Comm. Asst.
 i 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.

*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, P., 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, D., 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

Ryan, E., M.A., B.L. (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

Quinlan, P., B.E., M.Sc., Ph.D.
Prof.

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. J., M.A. Asst.

Physics, Experimental

McHenry, J. 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, L. 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.

Dentistry

Roche, M. A., B.D.S.
(D. Prosthetics) Prof.

Ollivère, J. D. F., B.D.S. Lectr.

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.

<i>Medical Jurisprudence</i>		<i>Pathology</i>	
Riordan, M. J., M.B., B.Ch., M.A.O., F.R.C.S.I.	Lectr.	O'Donovan, W. J., M.B., B.Ch., B.A.O., B.Sc., D.P.H. (Clin. P.)	Prof.
<i>Medicine</i>			Lectr.
O'Donovan, J. M., M.Sc., M.D., F.R.C.P.I.	Prof.		
<i>Mental Diseases</i>		<i>Surgery</i>	
Honan, B. F., D.P.M.	Lectr.	Kiely, P., B.Sc., M.D., M.Ch., F.R.C.S.	Prof.
<i>Obstetrics and Gynæcology</i>		<i>Therapeutics</i>	
Kearney, W., M.D., M.A.O.	Prof.	Kiely, J., M.D., M.Ch., F.R.C.S.Ed.	Asst.
<i>Ophthalmology and Otology</i>		<i>Loughnan, O. T. D., M.D.</i>	
O'Hea-Cussen, V., M.B., B.Ch., B.A.O., D.O. Oxon.	Prof.	Lectr.	

ADMINISTRATIVE AND OTHER STAFF

OFFICERS OF RESIDENCE. Catholic Students: Rev. Dr. J. P. Bastible, B.A., D.D. Church of Ireland: Dean of Residences: Ven. Archdeacon J. Hingston, M.A., B.D. Presbyterian: Men Students—Rev. A. Cromie, M.A., LL.B.; Women Students—Mrs. E. M. Farrington, M.A., H.Dip. in Ed. Methodist: Rev. S. E. McCaffrey. Jewish: Rev. B. Kersch.

STUDENTS' HEALTH SERVICE. Secretary, Mrs. M. Morrogh, M.B., B.Ch., B.A.O., D.P.H.

CORK UNIVERSITY PRESS. Secretary, Dr. Kathleen M. O'Flaherty, M.A.

GENERAL INFORMATION

QUEEN'S COLLEGE, founded in 1845, became a constituent coll. of the N.U.I. in 1908. The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES, ETC. Over 300,000 vols. (including departmental libraries). 10 TEACHING HOSPITALS. CRAWFORD OBSERVATORY (with 8-in. Equatorial telescope and 5-in. transit telescope).

FACULTIES AND DEANS. Arts, Prof. H. J. Treston; Commerce, Prof. J. Busted; Science, Prof. J. McHenry; Dairy Science, Prof. C. Boyle; Engineering, Prof. H. N. Walsh; Law, Prof. C. K. Murphy; Medicine, Prof. W. J. O'Donovan.

ADMISSION. Matricn. of N.U.I. or its equivalent required. Spec. Faculty requirements: *Science and Medicine*—Entrance examn. in Chem. and Exp. Physics; *Engineering and Dairy Science*—Entrance examn. in Maths.

DEGREES. B.A., B.Comm., B.Sc., B.Sc. (Dairying), B.E., LL.B., M.B., B.Ch., B.A.O., B.Mus., B.D.S.

HIGHER DEGREES. M.A., M.Comm., M.Econ.Sc., M.Sc. (Dairying), M.E., M.D., M.Ch., M.A.O., M.D.S., Ph.D., D.Econ.Sc., D.Sc.

DIPLOMAS. Dipl. in Dairy Sci.; Higher Dipl. in Educn.; Dipl. in Commerce; Dipl. in Chem. Technol.; Dipl. in Psychological Med. (D.P.H.); College Dipl. in Obstetrics.

POSTGRADUATE SCHOLARSHIPS, ETC. Ainsworth Scholp. for Med. Graduates; McEnery Scholp. (Hist.). A limited number of postgraduate Scholps., Exhibitions and other grants (not exceeding a total value of £750) for students who

attain a sufficiently high standard at the primary degree examn. Demo-
stratorship in Clin. Med. for 1 yr.

FEES. Arts or Commerce, £28. Law, £22. Music, £22. Science, Dairy
Science or Engineering, £40. Diploma in Dairy Science, £16. H.Dip. in Educa-
tion, £18. Postgraduate Courses for Higher Degrees: M.A., M.Sc. (Maths.),
M.Econ.Sc., M.Comm., £18; M.Sc., £22; Doctorate, £18. Pre-Medical
Course, £42. Medicine—First or Second Year, £46; Third Year, £42; Fourth
Year, £30; Fifth, £21. Dentistry—First or Second Year, £46; Third Year,
£30; Fourth Year, £15; Dental Hospital—*Second Dental Year*: Practical
Dental Mechanics, £100. Lab. Equipment and Instruments, £8. Nine Months
General Hospital (North Infirmary), 6 guineas. *Third and Fourth Dental*
Years: Dental Surgery, Orthodontia, etc., £12 p.a. for two yrs. Surgery
Equipment and Instruments, £30 approx.

NON-MEMBERS. Non-Members may be admitted to classes if permission is
granted by the President of the Coll.

ADULT EDUCATION. The Adult Educn. Cttee., in co-operation with local
Cttees. of Vocational Education, conducts various courses in Adult Educn.
and arranges for lectures and conferences. Coll. Dipl. in Social and Economic
Science (2-yr. course); Coll. Dipl. in Social Study (2-yr. course); Coll. Dipl.
in Rural and Social Sci. (2-yr. course).

GRADUATES' ASSOCIATION. Cork University Graduates' Club (non-official).

MUSEUMS. Medical, Natural History, Cork Public Museum, Botanic
Garden; **FIELD STATION**, Lough Ine, Baltimore, Co. Cork (Zoological).
LABORATORIES, Phys., Chem., Engin., Biol., Geol., Physiol., Materia Medica,
Pathol., Dairy Engin., Dairy Chem., Dairy Bacteriol., Dairy Technol., Bio-
chem.

STUDENT RESIDENCES. Honan Hostel (approx. 38 men students), fee
80 gns. per session. La Retraite (approx. 30 women students), fee from 63 gns.

UNIVERSITY MILITARY FORMATION. F.C.A. (Fórsa Coiseanta Áitiúla).

PRINCIPAL STUDENT ATHLETIC FACILITIES. Athletic Club, boxing, Camogie,
Gaelic football, hurling, golf, lawn tennis, Rugby football, swimming, women's
hockey, rowing. Univ. Athletic Grounds, 15 acres in extent, 2 pavilions and
a grandstand.

UNIVERSITY PRESS. Publishes *Calendar* annually, *Cork University Record*
3 times p.a., and publications of members of the Staff.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	22	674
Women	1	280
Total	23	954

DEGREES. B.A., 76; M.A., 16; B.Comm., 13; B.Sc., 47; M.Sc., 8;
B.E., 17; M.B., 50; M.D., 6; B.Sc. (Dairying), 14; B.D.S., 8; B.Mus., 2.

UNIVERSITY COLLEGE, GALWAY

Founded 1849

Telephone : Galway 22.

PRESIDENT—Rt. Rev. Mgr. PÁDRAIG DE BRÚN, M.A., D.Sc.

REGISTRAR—Prof. J. MITCHELL, B.Sc., B.E., F.G.S.

BURSAR—Prof. P. LARKIN, B.A., H.Dip.Ed.

TEACHING STAFF

<i>Anatomy</i>		O'Connor, H. G., M.E.	Lectr.
Shea, S., M.D., B.Ch., B.A.O.	Prof.	O'Lochlainn, P., B.E., M.Sc.	Asst.
<i>Archæology, Celtic</i>		<i>Engineering, Electrical</i>	
Duignan, M. V., M.A., H.Dip.Ed.	Prof.	Ryan, E. R., B.Sc., M.E.	Asst.
<i>Celtic Languages</i>		<i>English Language and Lit.</i>	
O'Maille, T. S., B.A., Ph.D., H.Dip.Ed.	Lectr.	Murphy, J., M.A., Ph.D.	Prof.
<i>Chemistry</i>		<i>Geology and Geography</i>	
Dillon, T., M.A., D.Sc.	Prof.	Mitchell, J., B.Sc., B.E., F.G.S.	Prof.
Coll, Francis, M.Sc.	Lectr.	O'Buachalla, L., M.Comm., H.Dip.Ed.	Asst. (in Irish).
Assistants		<i>German</i>	
Lee, Elizabeth, M.Sc.		Shea, Mrs. M. M., M.A.	Prof.
Haran, P., M.Sc.		<i>History</i>	
Walsh, Kathleen, B.Sc.		O'Sullivan, Mrs. M. J. D., M.A., D.Litt.	Prof.
O'Callaghan, D. F., B.Sc.		Kennedy, Sheila G., M.A., H.Dip.Ed.	Lectr. (in Irish).
<i>Classics, Ancient</i>		<i>Irish, Old and Middle, and Celtic Philology</i>	
Fahy, Rev. T., M.A., B.D.	Prof.	Ni Maol-Chroin, Caitlin, M.A., D.Phil., H.Dip.Ed.	Prof.
Heavey, Margaret M., M.A., H.Dip.Ed.	Lectr. (in Irish).	<i>Irish, Modern</i>	
Killeen, F., M.A.	Asst.	O'Raghallaigh, T., M.A., Ph.D., H.Dip.Ed.	Prof.
<i>Economics, Commerce & Acctcy.</i>		O'Broin, T. P., M.A.	Asst.
McBryan, F., M.A., H.Dip.Ed.	Prof.	de Búrca, S., M.A.	Asst.
O'Buachalla, L., M.Comm., H.Dip.Ed.	Lectr. (in Irish).	<i>Law and Jurisprudence</i>	
<i>Education</i>		Gallagher, P. J., B.A., LL.B.	Prof.
Larkin, P., B.A., H.Dip.Ed.	Prof.	<i>Mathematics</i>	
MacFhinn, Rev. P. E., M.A., D.D., H.Dip.Ed.	Lectr. (in Irish).	Power, M., M.A., B.Sc.	Prof.
<i>Engineering, Civil</i>			
Prendergast, W. H., D.S.O., B.E., B.Sc.	Prof.		

Newell, M., M.Sc.		<i>Romance Languages</i>	
	Lectr. (in Irish).	O'Brien, W., M.A.	Prof.
Ryan, E. R., B.Sc., M.E.	Asst.	O'Reilly, Mary J., M.A.	Lectr.
<i>Mathematical Physics</i>		<i>Medicine</i>	
MacCionnaith, E., M.A., M.Sc.		<i>Med. Jurisprudence and Hygiene</i>	
	Prof.		Lectr.
<i>Medicine, v. infra</i>		<i>Medicine</i>	
<i>Natural History</i>		O'Donnell, M. J., M.D.	Prof.
Dinan, T. J., M.Sc.	Prof.	<i>Mental Diseases</i>	
De Valera, Máirin, M.Sc., Ph.D.		McCarthy, C. J., M.B., D.P.H.	
	Lectr.		Lectr.
O'Doherty, Bridget, B.Sc., H.Dip.		<i>Midwifery and Gynæcology</i>	
Ed.	Asst.		Prof.
<i>Philosophy</i>		<i>Ophthalmology and Otology</i>	
O'Brien, Rev. F., Ph.D., D.D.,		O'Malley, C. C., B.Sc., M.D., B.Ch.,	
B.C.L. Rome, Lic. Sc. Hist.		B.A.O., D.O.M.S.	Prof.
Louvain	Prof.	<i>Pathology</i>	
Nolan, Rev. H., D.Phil., M.A.			Prof.
	Lectr.	<i>Surgery</i>	
<i>Physics</i>		O'Malley, M. G., M.B., B.Ch.,	
O'Brolchain, C., M.Sc., Ph.D.	Prof.	B.A.O., F.R.C.S.	Prof.
Larkin, Declan M., M.Sc.	Lectr.	<i>Therapeutics, Mat. Med. and Pharmacol.</i>	
<i>Physiology</i>		McDermott, E. N., B.Sc., M.D.,	
Donegan, J. F., B.Sc., M.B., B.Ch.,		F.R.C.S.I.	Prof.
B.A.O.	Prof.		

ADMINISTRATIVE AND OTHER STAFF

DEANS OF RESIDENCE, Rev. Fr. M. Spelman, B.A.; Rev. J. F. Provost Nash, M.A.; Rev. W. S. Forsythe; Rev. C. McNeill Caldwell, M.A.

LADY SUPERINTENDENT, Mrs. M. O'Driscoll, B.Comm.

ASSISTANT LIBRARIAN, M. J. Fahy.

GENERAL INFORMATION

Queen's College, Galway, opened in 1849, became a constituent College of the N.U.I. in 1908.

LIBRARY: 80,000 vols. LABORATORIES: Physics, Chem., Biol., Physiol., Path., Geol., Engin. MUSEUMS: Nat. Hist., Archæol., Mat. Med., Gynæc., Anat.

DEGREE COURSES in Arts, Celtic, Science, Law, Med., Engin., Commerce. Courses for Diplomas in Educn., Commerce.

Med. degree students are required to spend 1 yr. at a Metropolitan Hospl. after a 5 yrs.' course in the College and 2 yrs. in the Galway Hospitals.

FEEs. College, £3: 10s. p.a. Inclusive approximate fee for complete Degree course: Arts, 3 yrs., £63; Science, 3 yrs., £84; Law, at least 6 terms after

B.A., £48; Medicine, 6 yrs. (including 2 yrs.' General Hospital fees), £181; Engineering, 3 yrs., £84; Commerce, 3 yrs., £60. Postgraduate or research course, £15.

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 Residence, who exercises supervision over the general conduct of students outside the precincts, and every woman student under a Lady Supt., who exercises supervision over their conduct within the precincts of the College.

There is a UNIVERSITY APPOINTMENTS BUREAU and a STUDENT HEALTH SERVICE.

PUBLICATIONS. List of licensed lodging-houses, free; *College Calendar* (2s. 4d.); Regns. for Degrees and Courses (1s. 3d.); Regns. for Scholps. (2½d.); Gaeltacht Scholarships (1½d.); Univ. Examn. Papers (post free, 1s. 8d.), from O'Gorman and Co., Galway.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	576
Women	—	286
Total	—	862

Included in the above are 49 postgraduate students and 253 first-year admissions.

DEGREES. B.A., 36; M.A., 4; B.Comm., 16; Dip. in Ed., 3; H. Dip. in Ed., 32; B.E., 29; LL.B., Nil; M.B., B.Ch., B.A.O., 36; M.A.O., 3; B.Sc., 11; M.Sc., 1.

APPENDIX VIII

ANGLO-AMERICAN ACADEMIC RELATIONS

A summary of the regulations governing the admission of American students to United Kingdom Universities will be found in Appendix I above.

Appendix II lists many fellowships and scholarships which are tenable at United Kingdom Universities and University Colleges and for which American graduates are eligible to compete. Appendix III, although it does not claim to be exhaustive, contains information about some of the more important postgraduate awards, *e.g.* the Commonwealth Fund, English-Speaking Union, Henry, Procter, and Smith-Mundt awards, tenable in the United States of America by British graduates. For Fulbright awards, *see* below. The awards noted in Appendices II and III are "open," *i.e.* not restricted to graduates of any one University. Some United Kingdom Universities have also arranged direct exchanges of their staff, graduates, or senior students with American institutions, *e.g.* St. Mary's Hospital Medical School (University of London) has a regular exchange scheme at graduate level with the Peter Brent Brigham Hospital, Boston (associated with Harvard University); and the University of Glasgow exchanges a scholar annually with Cornell University.

There are facilities at many United Kingdom Universities and Colleges for the study of American aspects of such subjects as History, Literature, and Economics. For details, *see* individual University entries above, and the official publications of the various Universities. Attention is drawn to the following:

CAMBRIDGE. *Pitt Professorship of American History and Institutions.* The Professor is elected annually, with tenure for one year. Salary, £1950 p.a. 1951-52: R. H. Gabriel, M.A., Ph.D. (Yale); 1952-53: A. O. Craven (Chicago).

LONDON. *Commonwealth Fund Professorship of American History,* tenable at University College. The Commonwealth Fund of New York appropriated \$214,500 in 1929 to endow a Department of American History at University College, University of London, including a professorship and assistants. Present holder: Professor H. Hale Bellot, M.A. Oxon. A sum of £4991 was raised in London and New York, the income of which is available for the library of American History at the College and the library on the same subject at the Institute of Historical Research, University of London, Senate House, London, W.C.I.

MANCHESTER. *Department of American Studies.*

OXFORD. *George Eastman Visiting Professorship.* At the time of his election, the Professor must be an American citizen "eminent in

teaching or research in any branch of University study." Period of appointment is normally from 1 to 5 years. Appointments are made to the Professorship with a view to the representation of different subjects of study by successive appointees. 1951-52 : D. A. Stauffer, A.M. Princet., M.A., D.Phil. Ball.

Harold Vyvyan Harmsworth Professorship of American History. At the time of his election the Professor, whose term of office is 1 to 5 years, must be an American citizen. 1951-52 : L. H. G. Gipson, M.A. Oxon. (Lehigh Univ.).

GEORGE WATSON LECTURESHIP. Founded by the late Sir W. G. Watson in 1920. Each year's course usually comprises about six lectures by an eminent authority, American or British. The courses are given in rotation in the various British Universities and at other institutions. Lecturer, 1952 : Walter Lippmann. Subject : "Public Opinion and Foreign Policy in the United States." The Foundation is administered by the Sulgrave Manor Board and all communications should be addressed to the Secretary (G. M. Veit, M.A.), 37 Charles St., Berkeley Sq., London, W.1. *Telephone* : Mayfair 7400, ext. 20.

UNITED STATES EDUCATIONAL COMMISSION IN THE UNITED KINGDOM. Under the provisions of the Fulbright Act of the United States Congress, part of the currencies and credits of other countries (including several in the Commonwealth) acquired by the United States through the sale of surplus property abroad can be used for educational exchanges. Scholarships for research and study in Britain or the Colonies are available to American graduate students, and awards are also made to visiting American professors and lecturers and advanced research students, while sterling grants covering transatlantic fares and United States rail costs are made to British professors, lecturers, research workers and graduate students going to American Universities, the funds available to the Commission allowing for an expenditure up to £357,000 p.a. The Fulbright programme in the United Kingdom is administered by the United States Educational Commission in the United Kingdom, which was established by an agreement between the United Kingdom and the United States Governments in Sept. 1948 as a joint Commission of seven British and seven American members.

Secretary, United States Educational Commission in the United Kingdom—Alan Pifer, A.B. *Postal Address* : 55 Upper Brook St., London, W.1. *Cables* : Usedcom. *Telephone* : Mayfair 2191-3.

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. (*Telephone* : Circle 6-5100) (Reference Division, Press and Radio Division, Films and Publications Division). B.I.S. is a part of the Foreign Office Information Services and its services are confined to the United States and its possessions. It has a library of official documents, British newspapers and periodicals, and books dealing with every aspect of British affairs ; these are 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 Publications Division has a collection of British Government Films for hire or sale. The Press and Radio Division does not compete with commercial newsagencies, 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.

PUBLICATIONS. Students in the United Kingdom who intend to study in the United States, and who wish to consult the calendars of the various Universities, 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 that country, as well as specific information about higher education in the United States. Copies are available for consultation at American Consulates and Embassies throughout the world. Cost, 35 cents. A useful publication is the *Complete Guide to American Colleges and Universities* by Clarence E. Lovejoy (Simon and Schuster, New York, 1950-51). Another helpful reference book 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, appeared 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. *See also* Appendix X.

APPENDIX IX

INTERNATIONAL UNIVERSITY ORGANIZATIONS

THE INTERNATIONAL ASSOCIATION OF UNIVERSITIES (I.A.U.) was formed, and its constitution adopted, by the delegates of 187 Universities and institutions of higher learning from 52 different countries, at the International Conference of Universities held at Nice in Dec. 1950. The first steps towards its formation had been taken by the Preparatory Conference of Universities organized at Utrecht in Aug. 1948 by UNESCO, in collaboration with the Netherlands Government.

The purpose of the Association, as defined in its constitution, is "to provide a centre of co-operation at the international level among the Universities and similar institutions of higher education of all countries, as well as among organizations in the field of higher education generally." The organs of the Association are: the General Conference of Universities, meeting at least once every five years; the President of the Association, elected by the General Conference and holding office until the next meeting of the General Conference; the Administrative Board of the Association, of which the President of the Association is chairman; the International Universities Bureau (I.U.B.), which is the Association's secretariat.

The following are at present in office: *President of Association and Chairman of Administrative Bd.*, Dr. Jean Sarrailh, Rector, Univ. of Paris; *Vice-President of Association and Vice-Chairman of Administrative Bd.*, Dr. S. C. Roberts, Univ. of Cambridge; *Members of Administrative Bd.*, Vice-Chancellor E. Ashby, The Queen's Univ., Belfast; Recteur J. Baugniet, Univ. Libre de Bruxelles; Rettore C. Cereti, Univ. di Genova; Prof. M. C. Chagas, Univ. Nacional de Brasil; S. R. Dongerkery, Registrar, Univ. of Bombay; Rektor W. Erbe, Univ. of Tübingen; Prof. M. H. Fisch, Univ. of Illinois; Recteur L. Garrido, Univ. Autonoma Nacional de Mexico; President M. V. De Los Santos, Univ. of Manila; Prof. J. Nielsen, Technical Univ. of Copenhagen; Dean F. Rogers, Harvard Graduate School of Arts and Sciences; Prof. Saglam, Fac. of Medicine, Istanbul; Rector A. Siassi, Univ. of Teheran. *Secretary-General of Association and Director of International Universities Bureau*, H. M. Keyes. *Postal Address*: Maison de l'Unesco, 19 Avenue Kléber, Paris 16. *Telephone*: Kléber 52-00, Balzac 24-08.

THE INTERNATIONAL ASSOCIATION OF UNIVERSITY PROFESSORS AND LECTURERS. The definitive statutes of the Association were adopted in Brussels in 1947. I.A.U.P.L. took shape from the activities and discussions of University teachers and research workers from overseas who were temporary inhabitants of Great Britain during World War II, and who, with a few British colleagues, formed them-

selves into an *Association of Professors and Lecturers of the Allied Countries in Great Britain*; and from the movement towards co-operation among University personnel, under the name of *The International University Conference*, inaugurated in 1934 by the Association of University Teachers of the United Kingdom. Each of the national associations affiliated to I.A.U.P.L. retains its separate identity.

I.A.U.P.L.'s province is the University as a whole. Its broad aims are the development of academic fraternity among University teachers across faculty and national boundaries; the protection of freedom of teaching and research; the furtherance of the interests of University teachers; and the consideration of any academic problems, whether initiated by the Association or referred to it by Governments or Universities or by UNESCO.

Topics of interest to University teachers have been discussed at six post-war international conferences attended by delegates of the national associations affiliated to I.A.U.P.L. and held respectively at Oxford, Brussels, Paris, Basle, Florence, and Nice.

In its initial programme adopted in Brussels in 1947, the Association's more immediate projects were stated to be the establishment of an International Universities Bureau (*v. supra*) and an International Institute of Social Sciences, together with the examination of the following problems, about which reports have since been prepared: Equivalence of University Standards, Student Health Services, and Recurrent Long Leave. I.A.U.P.L. co-operates with organizations which help exiled Professors and Lecturers to find suitable employment.

The Association's activities are recorded in its journal, *Communication*, normally published three times a year.

General Secretary—Professor R. Douglas Laurie, 13 Old Square, Lincoln's Inn, London, W.C.2. *Telephone*: Western 5386.

THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, founded in 1919, is a world-wide organization of women who have had a University training. Membership is open to all qualified University women without distinction of race, religion, or political opinion, through National Associations which are affiliated in over 30 countries, with a total membership of over 143,000.

The aim of the Federation is to promote understanding and friendship among University women of different nationalities, and so to further their common interests and to develop sympathy and co-operation between their countries. The Federation offers members research fellowships, travel facilities, opportunity for exchange of posts, and an organization for combined action to improve their professional status. Since 1936 it has built up special funds to assist University women in distress as a result of war or political upheaval.

The work of the Federation is planned by a Conference of delegates of the National Associations, of which there can be only one affiliated from each country. The Conference meets every three years to receive reports, to elect officers, to define policy, to consider new developments and to discuss questions of general interest. Between Conferences there are meetings of the Council, on which each National Association

has one representative, and of Standing International Committees responsible for the direction of special activities. The International Headquarters Office in London acts as a co-ordinating centre.

The publications of the Federation include the *International Glossary of Academic Terms* (1939), *Human Rights : the Task before Us* (1950), an annual *Report* and a periodical *News-Letter*.

Executive Secretary—Miss M. C. Hermes, M.B.E., B.A. *Postal Address* : 17A King's Rd., London, S.W.3. *Cables* : Ifederuw, London. *Telegrams* : Ifederuw, Southkens, London. *Telephone* : Sloane 8281.

WORLD UNIVERSITY SERVICE (formerly International Student Service) has developed from the feeling for mutual assistance between members of the world University community which led to the formation of the University Committee of the Imperial War Relief Fund in 1920.

W.U.S. to-day is a fellowship of over thirty national committees co-ordinated by an International Secretariat in Geneva. It seeks to promote the free flow of information and to create a spirit of understanding between members of Universities and Colleges throughout the world. In war-devastated and undeveloped countries W.U.S. helps to establish new student hostels, clinics, sanatoria, rest centres, and refugee camps ; as far as its funds permit, it provides drugs, supplementary food and clothing for individual students in need, and books, stationery, laboratory equipment, and periodicals are sent to Universities where they are lacking. In Britain, students are recruited by W.U.S. for overseas conferences, study tours, seminars and vacation courses, travel bursaries often being made available. Hospitality is sought for colonial and foreign students in Britain, and W.U.S. seeks to develop the interest of British students in University life abroad.

The International Headquarters of W.U.S. is at 13 rue Calvin, Geneva, Switzerland.

President, British Committee—Sir Walter Moberly, G.B.E., K.C.B., D.S.O., M.A., D.Litt. *General Secretary*, British Committee—Douglas Mayer, B.Sc. *Postal Address* : 59 Gloucester Place, London, W.1. *Telegrams* : Interstud, London. *Telephone* : Welbeck 3921.

UNESCO AND UNIVERSITIES. UNESCO, the United Nations Educational, Scientific, and Cultural Organization, directly and indirectly fosters international contacts among Universities all over the world and encourages them to give mutual assistance in various fields of their activities. The annual UNESCO publication, *Study Abroad*, lists more than 30,000 fellowships offered by Governments and other bodies to students of various nations to enable them to study abroad.

UNESCO gave impulse and assistance to the representatives of various national Universities in the organization of two University Conferences : at Utrecht in 1948 and at Nice in 1950. (V. I.A.U. *supra*.)

UNESCO maintains close working relations with the international University bodies listed above and with the international student organizations. All these organizations benefit from a special consultative arrangement with UNESCO.

The working programme of UNESCO includes several activities of importance to the Universities, such as, upon their request, assisting them to obtain books and other equipment, helping certain countries to find University teachers abroad ; organizing assistance to refugee students ; maintaining special regional offices throughout the world to promote co-operation among scientists in the area ; undertaking comparative studies on the existence and teaching programme of chairs of international affairs and on the role of Universities in the education of adults ; offering assistance to international organizations in all fields of education, science, and culture, and promoting the creation and development of such organizations.

The Universities of different countries often provide UNESCO with experts to carry out these projects. In 1952-53, an attempt will be made to organize small international groups of University teachers who will stay in selected Universities in various countries for one year, in order to increase the exchange of teaching methods and to encourage certain studies needed in a given region.

The programme of UNESCO is carried out by the 64 Member States, assisted by a secretariat, headed by the *Director-General*, Dr. Jaime Torres Bodet. *Postal Address* : 19 Avenue Kléber, Paris 16. *Telegrams* : Unesco Paris. *Telephone* : Kléber 52-00.

APPENDIX X

SHORT BIBLIOGRAPHY

The following list, which does not include books about individual Universities and does not claim to be exhaustive, may be supplemented by reference to the "Publications" paragraph in each University entry *supra*.

GENERAL AND REFERENCE BOOKS

Australia

A Brief Guide to Australian Universities. (Melbourne University Press, for Australian Council for Educational Research, 1947.)

Student Selection and Academic Success in Australian Universities. C. Sanders. (Govt. Printer, Sydney, for Commonwealth Office of Education, 1948.)

Canada

Yearbook of Canadian Universities, 1950. Edited by K. P. R. Neville. Second Issue, 1950. (National Conference of Canadian Universities.)

India

Handbook of the [Indian] Universities, 1951. (Inter-University Board, India.)

United Kingdom

British Universities. Sir Ernest Barker. (Longmans, Green, for British Council, revised edition 1949.)

British Universities. S. C. Roberts. (Collins, 1947.)

The British Universities. Sir Charles Grant Robertson. (Methuen, 1944.)

First Year at the University. Bruce Truscot. (Faber, 1946.)

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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; Bacteriology; Dermatology; Forensic Medicine; Gynæcology; Obstetrics; Ophthalmology; Orthopædics; Oto-rhino-laryngology; Pædiatrics; Pathology; Surgery.

Special branches of unlisted subjects may be found in the index, *e.g.* Agricultural Chemistry; Medicine, Psychological.

Abbreviations: U.K. = United Kingdom; Can. = Canada; Aust. = Australia; N.Z. = New Zealand; S.A. = South Africa; Ind. = India; Cey. = Ceylon; Pak. = Pakistan; Col. = Colonies; App. = Appendices.

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