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# THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1954

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

*Seventh Congress of Universities of the Commonwealth, 1953 : Report of Proceedings.* Ready May 1954.

*Reports of Proceedings of the Home Universities Conferences* held annually from 1946 to 1952. 1s. 6d. each (1951, 2s. ; 1952, 2s. 6d.) post free. 1946 and 1950 Reports out of print.

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

In conjunction with the British Council :

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

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

# THE YEARBOOK OF THE UNIVERSITIES OF THE COMMONWEALTH

1954

FIRST PUBLISHED 1914
THIRTY-FIRST ISSUE

THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH
1954

THE OFFICE OF THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH IS SITUATED IN GORDON SQUARE, LONDON, W.C.1 (CLOSE TO THE UNIVERSITY OF LONDON SENATE HOUSE AND UNIVERSITY COLLEGE). AT THE TIME OF PUBLICATION IT IS AT NO. 5 BUT A REMOVAL TO NOS. 36-37 IS TO TAKE PLACE DURING THE SUMMER OF 1954.

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

*Published May 1954*

# PREFACE

THE *Commonwealth Universities Yearbook* 1954 is not only the thirty-first edition of this publication but is also its seventh issue in the post-war period, a record which gives it some claim to a respectable seniority among the various international and regional academic directories that are now available. This *Yearbook* is not, of course, international in the comprehensive world-wide sense, but covering as it does the University institutions of the different countries, great and small, that stand in relation to each other in the varying degrees of attachment and stages of independence to be found among the nations of the Commonwealth, it is surely entitled to its place among international works of reference about Universities. As the shelf of annual volumes of that category in the libraries of the world grows steadily larger, and when account is taken of the amount of trouble and effort demanded from the administrators of each institution in supplying the raw material for the editors of these publications with their inevitable tendency to overlap, the case is strengthened for some degree of co-ordination between their fields or of rationalization of their divergent requirements. The introduction of a measure of standardization in the form and scope of these different works would, it is believed, be a real service to the University world as a whole.

This edition contains a full entry for only one institution that was not so recorded in the 1953 edition—Nova Scotia Agricultural College, which is recognized as a member institution by the National Conference of Canadian Universities and thereby qualifies for a place in the section of the work devoted to Canada. Before this edition went to print, but too late for the collection of information sufficiently detailed and accurate for publication, advice was received of a second University being established in East Pakistan, in July 1953, as the University of Rajshahi, and of academic developments in Central Africa, a new University institution having been founded at Salisbury by act of the Southern Rhodesian legislature in 1952 as Rhodesia University College. It is hoped that entries for these institutions will appear in the 1955 *Yearbook*. The individual University entries and the introductory pages for each country have been brought up to date for this edition, the introduction for Australia having been specially rewritten this year by the Secretary of the Australian Vice-Chancellors' Committee. An attempt has been made for the first time this year to give for each University a short statistical note of the number of its students who come from other countries. An ampler statement is also included of the history and functions of the Association of Universities of the British Commonwealth, which during the period when this edition was being prepared held the seventh Quinquennial Commonwealth Universities Congress, at which 101 of the institutions recorded herein were represented.

Apart from the various national sections with their individual University entries, much useful information on several general questions will be found in the various Appendices. The index of names at the end of the book, which lists in alphabetical order 30,000 or more staff members of the University institutions, is not only a mark of the comprehensive character of this work, but is also a valuable key to the identification of persons known to be engaged in academic work in the Commonwealth.

Nearly all the Universities and University Colleges which appear in this work are members of the Association of Universities of the British Commonwealth, but such membership has never been the test for inclusion in the *Yearbook*, which the Association publishes to advance the interests of higher education in the Commonwealth and in the international field generally. The Association welcomes the diversity of the institutions mentioned in the following pages, and it recognizes that the need felt by each of them to have accurate information about the others is a sign of the common interest and tradition that runs through all the Commonwealth Universities.

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

This is the first edition of the *Yearbook* which is published by the Association itself. The previous publishers, Messrs. G. Bell and Sons, have been responsible for publication arrangements of successive editions since the end of the first World War, and the Association desires to place on record its appreciation of their services.

The Association of Universities of the British Commonwealth
5 Gordon Square, London, W.C.1
December 1953

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

*Assistant Editor*
T. CRAIG, M.A.

*Assistant Secretary of the Association*
A. L. FLEET, M.A.

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A NOTE ON THE FUNCTIONS OF

# THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

*as submitted to the Commonwealth Universities Congress, July 1953*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5 Gordon Square,
London, W.C.1
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## NOTE ON MEMORANDUM AND ARTICLES OF ASSOCIATION

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

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

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

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

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

# THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

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

## MEMORANDUM OF ASSOCIATION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. The liability of the Members is limited.

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

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

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

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

## ARTICLES OF ASSOCIATION

### Preliminary

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

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

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

### Membership

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

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

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

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

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

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

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

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

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

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

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

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

### Duties of Members

11. Every Member of the Association shall be bound:

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

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

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

COUNCIL OF THE ASSOCIATION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### Minutes

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

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

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

### Seal

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

### General Meetings

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

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

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

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

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

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

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

40. The business of an Ordinary Meeting shall be—

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### Votes at General Meetings

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

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

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

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

SIGNED this day of

Or in such other form as the Council shall approve.

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

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

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

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

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

### Accounts

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

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

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

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

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

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

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

### Audit

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

### Notices

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

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

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

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

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

### Universities of the United Kingdom

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

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

*Northern Ireland*: The Queen's University of Belfast.

### Universities Overseas

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

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

*New Zealand*: The University of New Zealand.

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

*Ceylon*: The University of Ceylon.

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

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

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

# THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

## MEMBERS, TOGETHER WITH THEIR REPRESENTATIVES

(as at Nov. 26, 1953)

### (i) Ordinary Members

#### UNITED KINGDOM

| *University* | *Representative* |
|---|---|
| Birmingham | R. S. Aitken, D.Phil., LL.D., D.Sc., M.D., F.R.C.P., F.R.C.P.Ed., F.R.A.C.P. |
| Bristol | Sir Philip Morris, C.B.E., M.A., LL.D. |
| Cambridge | Rt. Hon. H. U. Willink, M.C., Q.C., M.A. |
| Durham | Sir James Duff, M.A., M.Ed., LL.D., D.C.L. |
| Leeds | Sir Charles Morris, M.A., LL.D. |
| Liverpool | Sir James Mountford, M.A., D.Litt., LL.D., Litt.D., D.C.L. |
| London | D. W. Logan, M.A., D.Phil., D.C.L. |
| Manchester | Professor Sir John Stopford, M.D., Sc.D., D.Sc., LL.D., F.R.C.P., F.R.S. |
| Nottingham | B. L. Hallward, M.A. |
| Oxford | Sir Maurice Bowra, Comm. Lég. d'H., M.A., D.Litt., LL.D., F.B.A. |
| Reading | J. F. Wolfenden, C.B.E., M.A. |
| Sheffield | J. M. Whittaker, M.A., D.Sc., F.R.S. |
| Southampton | D. G. James, M.A. |
| Wales | J. S. Fulton, M.A. |
| Aberdeen | T. M. Taylor, C.B.E., Q.C., M.A., D.D., 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 | T. M. Knox, M.A. |
| The Queen's, Belfast | E. Ashby, D.Sc., Sc.D., D.I.C., F.L.S. |

#### CANADA

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|---|---|
| Acadia | W. Kirkconnell, O.P.R., M.A., Ph.D., LL.D., D.P.Ec., D.Litt., F.R.A.I., F.R.Hist.S., F.R.S.C. |
| Alberta | A. Stewart, B.S.A., M.A., LL.D., D.Econ. |
| British Columbia | N. A. M. MacKenzie, C.M.G., M.M., Q.C., B.A., LL.D., D.C.L., D.Sc.Soc., F.R.S.C. |
| Carleton | M. M. MacOdrum, M.A., Ph.D., D.D. |
| Dalhousie | A. E. Kerr, B.A., D.D., LL.D. |
| Laval | Mgr. F. Vandry, C.M.G., D.Th., L.Ph. |
| McGill | F. C. James, Chev. Lég. d'H., B.Com., A.M., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. |
| McMaster | G. P. Gilmour, M.A., D.D., D.C.L., LL.D. |
| Manitoba | A. H. S. Gillson, O.B.E., M.A., LL.D. |

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|---|---|
| Montreal | Mgr. O. Maurault, C.M.G., D.C.L., F.R.S.C. |
| Mount Allison | Col. the Rev. W. T. R. Flemington, O.B.E., M.A., B.Pæd., D.D., LL.D. |
| New Brunswick | A. W. Trueman, M.A., D.Litt., LL.D. |
| Queen's, Ontario | W. A. Mackintosh, C.M.G., M.A., Ph.D., LL.D., F.R.S.C. |
| St. Francis Xavier | Rt. Rev. P. J. Nicholson, Ph.D. |
| Saskatchewan | W. P. Thompson, M.A., Ph.D., D.Sc., F.R.S.C. |
| Sir George Williams College | K. E. Norris, M.A., Ph.D. |
| Toronto | S. Smith, Q.C., M.A., LL.D., D.C.L., F.R.S.C. |
| Western Ontario | G. E. Hall, A.F.C., M.S.A., M.D., D.Sc., Ph.D., F.R.S.C. |

## AUSTRALIA

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| Adelaide | A. P. Rowe, C.B.E., B.Sc. |
| Australian National University | L. G. Melville, C.B.E., B.Ec., F.I.A. |
| Melbourne | Professor G. W. Paton, M.A., B.C.L. |
| New South Wales University of Technology | J. P. Baxter, O.B.E., B.Sc., Ph.D. |
| 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 | S. L. Prescott, M.Sc. |

## NEW ZEALAND

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|---|---|
| New Zealand | G. A. Currie, B.Sc. (Agric.), D.Sc., LL.D., Litt.D. |

## SOUTH AFRICA

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| 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. |
| Orange Free State | Professor H. v. d. Merwe Scholtz, M.A., D.Litt. |
| Potchefstroom | Professor J. C. Van Rooy, M.A., D.Phil. |
| Pretoria | C. H. Rautenbach, M.A., B.D., D.Phil. |
| Rhodes | T. Alty, D.Sc., Ph.D., F.I.P., F.R.S.C. |
| South Africa | S. P. E. Boshoff, M.A., Litt.D. |
| Stellenbosch | Professor R. W. Wilcocks, B.A., Ph.D., D.C.L. |
| Witwatersrand | H. R. Raikes, A.F.C., M.A., LL.D. |

## INDIA

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|---|---|
| Allahabad | Professor A. C. Banerji, M.A., M.Sc., F.R.A.S. |
| Andhra | V. S. Krishna, B.A., Ph.D. |
| Annamalai | Sir C. P. Ramaswami Aiyar. |
| Banaras | A. N. Deva, M.A., LL.B. |
| Baroda | Shrimati H. Mehta, B.A. |
| Bihar | S. Sahaya, B.A., M.P. |
| Bombay | Sir N. J. Wadia, B.A. |
| Calcutta | Hon. Justice S. N. Banerjee, M.Sc., LL.B. |
| Delhi | G. S. Mahajani, M.A., Ph.D. |
| Jammu and Kashmir | Hon. Chief Justice Mr. J. N. Wazir. |

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

CEYLON

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

PAKISTAN

| | |
|---|---|
| Dacca | W. A. Jenkins, C.I.E., D.Sc. |
| Karachi | Lt.-Col. A. B. A. Haleem, B.A. |
| Panjab, Lahore | B. Ahmad, M.Sc., Ph.D. |
| Peshawar | M. Timur, M.A. |
| Sind | I. I. Kazi. |

OTHER PARTS OF THE COMMONWEALTH

| | |
|---|---|
| Hong Kong | Col. Lindsay Ride, C.B.E., M.A., D.M., B.Ch., LL.D. |
| Malaya | Sir Sydney Caine, K.C.M.G., B.Sc. |
| Malta | J. A. Manché, B.Sc., M.D. |

### (ii) Associate Members

| *College* | *Representative* |
|---|---|
| University College of the South West of England, Exeter | Professor H. B. Garland, M.A., Ph.D. (Actg.) |
| University College, Hull | J. H. Nicholson, C.B.E., M.A. (Ed.). |
| University College, Leicester | C. H. Wilson, M.A. |
| University College of North Staffordshire | Sir John Lennard-Jones, K.B.E., D.Sc., Sc.D., F.R.S. |
| Canberra University College | Professor H. Burton, M.A. |
| University of Otago | F. G. Soper, C.B.E., Ph.D., D.Sc., F.R.I.C., F.R.S.N.Z., F.N.Z.I.C. |
| Canterbury University College | H. R. Hulme, M.A., Ph.D., Sc.D. |
| Auckland University College | K. J. Maidment, M.A. |
| Victoria University College | J. Williams, Ph.D., LL.M. |
| Canterbury Agricultural College | M. M. Burns, M.Sc., Ph.D. |
| University College of Fort Hare | C. P. Dent, M.Sc. |
| University College of the Gold Coast | D. M. Balme, D.S.O., D.F.C., M.A. |
| University College, Ibadan | J. T. Saunders, M.A. |
| Makerere College, The University College of East Africa | B. de Bunsen, M.A. |

| | |
|---|---|
| University College of the West Indies . . . . | W. W. Grave, M.A., Ph.D. |
| Imperial College of Tropical Agriculture . . . | G. A. C. Herklots, M.Sc., Ph.D., F.L.S. |

### (iii) Additional Members

| | |
|---|---|
| Municipal College of Technology, Manchester . . | D. Cardwell, M.Sc., B.Com., F.R.I.C. (Actg.). |
| Royal Technical College, Glasgow . . . . . | D. S. Anderson, B.Sc., Ph.D. |
| Nova Scotia Technical College | A. E. Cameron, D.Sc. |
| Royal Military College of Canada . . . . | Brigadier D. R. Agnew, C.B.E. |
| New England University College . . . . | R. B. Madgwick, M.Ec., D.Phil. |

## THE EXECUTIVE COUNCIL (elected Nov. 26, 1953)

### UNITED KINGDOM

R. S. AITKEN, D.Phil., LL.D., D.Sc., M.D., F.R.C.P., F.R.C.P.Ed., F.R.A.C.P. [Birmingham].
E. ASHBY, D.Sc., Sc.D., D.I.C., F.L.S. [Belfast].
Sir MAURICE BOWRA, Comm. Lég. d'H., M.A., D.Litt., LL.D., F.B.A. [Oxford].
D. W. LOGAN, M.A., D.Phil., D.C.L. [London].

### CANADA

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

### AUSTRALIA

Professor S. H. ROBERTS, M.A., Litt.D., LL.D., D.Sc. (Econ.) [Sydney].
A. P. ROWE, C.B.E., B.Sc. [Adelaide].

### NEW ZEALAND

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

### SOUTH AFRICA

T. ALTY, D.Sc., Ph.D., F.I.P., F.R.S.C. [Rhodes].
H. R. RAIKES, A.F.C., M.A., LL.D. [Witwatersrand].

### INDIA AND CEYLON

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

### PAKISTAN

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

### OTHER PARTS OF THE COMMONWEALTH

W. W. GRAVE, M.A., Ph.D. [West Indies].
J. A. MANCHÉ, B.Sc., M.D. [Malta].

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## OFFICERS

(elected Nov. 26, 1953)

Chairman: W. A. MACKINTOSH, C.M.G., M.A., Ph.D., LL.D., F.R.S.C.
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: A. A. BATH, B.Sc. (Econ.) (Administrative); T. CRAIG, M.A. (Editorial); Mrs. W. M. GILCHRIST (Appointments).

# NOTES ON THE UNIVERSITY ENTRIES

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

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

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

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

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

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

"The Year" section lists information about events of outstanding interest which have occurred in the academic year previous to the compilation of material. North of the equator the session reviewed in this edition is 1951–52; south of the equator the period is the 1952 session. In both cases the period of the long vacation following has been treated as included in the previous academic session.

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

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

# ABBREVIATIONS

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

## A. ABBREVIATIONS FOR NAMES OF UNIVERSITIES

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

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

| *Abbreviation* | *University* |
|---|---|
| Col. | Columbia |
| Corn. | Cornell |
| C.U.A. | Catholic University of America |
| Dal. | Dalhousie |
| Dub. | Dublin, Trinity College |
| Durh. | Durham |
| Edin. | Edinburgh |
| Gauh. | Gauhati |
| Glas. | Glasgow |
| Gött. | Göttingen |
| Gron. | Groningen |
| Gujar. | Gujarat |
| Harv. | Harvard |
| H.K. | Hong Kong |
| Ill. | Illinois |
| J. & K. | Jammu and Kashmir |
| Johns H. | Johns Hopkins |
| Karn. | Karnatak |
| K.C.N.S. | King's College (Nova Scotia) |
| Liv. | Liverpool |
| Lond. | London |
| Luck. | Lucknow |
| McG. | McGill |
| McM. | McMaster |
| Madr. | Madras |
| Manc. | Manchester (Victoria University of) |
| Manit. | Manitoba |
| Melb. | Melbourne |
| Mich. | Michigan |
| Minn. | Minnesota |
| M.I.T. | Massachusetts Institute of Technology |
| Montr. | Montreal |
| Mt. All. | Mount Allison |
| Mt. St. Vin. | Mount St. Vincent |
| Mün. | Münster |
| Mys. | Mysore |
| Nag. | Nagpur |
| New Br. | New Brunswick |
| Nfld. | Memorial University of Newfoundland |

| *Abbreviation* | *University* |
|---|---|
| Nott. | Nottingham |
| N. Staffs. | North Staffordshire (University College of) |
| N.S.T.C. | Nova Scotia Technical College |
| N.S.W.U.T. | New South Wales University of Technology |
| N.U.I. | National University of Ireland |
| N.Y. | New York |
| N.Z. | New Zealand |
| O.F.S. | Orange Free State |
| Osm. | Osmania |
| Ott. | Ottawa |
| Oxon. | Oxford |
| Panj. | Panjab (Pakistan) |
| Panj. (I.) | Panjab (India) |
| Penn. | Pennsylvania |
| Pesh. | Peshawar |
| Potchef. | Potchefstroom |
| Pret. | Pretoria |
| Prin. | Princeton |
| Q'ld. | Queensland (Australia) |
| Qu. | Queen's (Canada) |
| Raj. | Rajputana |
| Rand. | Witwatersrand, Johannesburg |
| R'dg. | Reading |
| Roor. | Roorkee |
| S.A. | South Africa |
| St. And. | St. Andrews |
| St. Dun. | St. Dunstan's (College) |
| St. F.X. | St. Francis Xavier |
| St. Jos. | St. Joseph's |
| Sask. | Saskatchewan |
| Saug. | Saugar |
| Sheff. | Sheffield |
| Sir G. Wms. | Sir George Williams (College) |
| Stell. | Stellenbosch |
| Stras. | Strasbourg |
| Syd. | Sydney |
| Tas. | Tasmania |
| Tor. | Toronto |
| Trav. | Travancore |
| Trin. Coll. Tor. | Trinity College, University of Toronto |

| *Abbreviation* | *University* |
|---|---|
| VB. | Visva-Bharati |
| Vic. Tor. | Victoria (Toronto) |
| Wash. | Washington (Seattle) |
| W. Aust. | Western Australia |
| Wis. | Wisconsin |
| W. Ont. | Western Ontario |
| Zür. | Zürich |

## B. COMMONWEALTH DEGREE ABBREVIATIONS

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

| | |
|---|---|
| B.A. | Bachelor of Arts [Bachelier ès Arts : Laval, Montr., Ott., St. Jos.] |
| | Bachelor in Arts : Acad. |
| | Bachelor of Arts in Fine Arts : Cape T. |
| | Bachelor of Arts and Philosophy [Baccalaureus in die Lettere en Wysbegeerte] : Pret., Stell. |
| B.A. (Admin.) | Bachelor of Arts in Administration |
| B.A. (Arch.) | Bachelor of Arts (Architecture) |
| B.A. (Bantu Languages) [B.A. (Bantoekunde)] | Bachelor of Arts in Bantu Languages [Baccalaureus in Lettere en Wysbegeerte in Bantoekunde] : Pret. |
| B.Acc. | Bachelor of Science in Accounting |
| B.A. (Com.) | Bachelor of Arts in Commerce |
| B.Admin. | Bachelor of Public Administration [Baccalaureus in Publieke Administrasie] : Pret. |
| B.A. (Econ.) | Bachelor of Arts (Economics) : Brist. |
| | Bachelor of Arts in Economics and Politics : Manc. |
| | Bachelor of Arts in Economic Studies : Sheff. |
| B.A. (F.A.) | Bachelor of Arts (Fine Arts) |
| | Bachelor of Arts in Fine Arts : Rhodes, S.A. |
| B.A. Fine Arts | Bachelor of Arts in Fine Arts |
| B.Ag. | Bachelor of Agriculture |
| B.Agr. | Bachelor of Agriculture |
| B.Agr.Sc. | Bachelor of Agricultural Science |
| B.Agr.Sc. (Dairy Tech.) | Bachelor of Agricultural Science (Dairy Technology) |
| B.Agr.Sc. (Hort.) | Bachelor of Agricultural Science (Horticulture) |
| B.Ag.Sc. | Bachelor of Agricultural Science |
| B.A. (Home Arts) | Bachelor of Arts (Home Arts) |

| | |
|---|---|
| B.A. in Fine Arts | Bachelor of Arts in Fine Arts |
| B.A. in Logopedics | Bachelor of Arts in Logopedics |
| B.A. in Maatskaplike Werk | Bachelor of Arts in Social Work [Baccalaureus in Maatskaplike Werk] : Stell. |
| B.A. in S.S. | Bachelor of Arts in Social Studies |
| B.A. (Law) | Bachelor of Arts in Law [Baccalaureus in Lettere en Wysbegeerte in die Regte : Pret.] |
| B.A. (Library Science) [B.A. (Biblioteekkunde)] | Bachelor of Library Science [Baccalaureus in Biblioteekkunde] : Pret. |
| B.A. (Mil.) | Bachelor of Arts in Military Science [Baccalaureus in Lettere en Wysbegeerte in Krygskunde] : Pret. |
| B.A. (Mus.) | Bachelor of Arts in Music |
| B.A.O. | Bachelor of Obstetrics |
| B.A. (Pol. Sc.) [B.A. (Staatswetenskappe)] | Bachelor of Arts in Political Science [Baccalaureus in Lettere en Wysbegeerte in Staatswetenskappe]: Pret. |
| B.Arch. | Bachelor of Architecture [Baccalaureus in die Argitektuur : Pret.] |
| B.Arp. | Bachelor of Surveying [Bachelier en Arpentage] : Laval |
| B.A.Sc. | Bachelor of Applied Science |
| B.A. (S.S.) | Bachelor of Arts in Social Science |
| B.A. (S.W.) | Bachelor of Arts in Social Sciences [Baccalaureus in Lettere en Wysbegeerte in Sosiale Wetenskappe] : Pret. |
| B.A. (Theol.) | Bachelor of Arts in Theology |
| B.A. (Theology) | Bachelor of Arts (Theology) |
| B.A.V. | Bachelor of Ayurveda |
| B.B.A. | Bachelor of Business Administration |
| B.Bibl. | Bachelor in Library Science [Bachelier en Bibliothéconomie] : Montr. |
| B.C.E. | Bachelor of Civil Engineering |
| B.Ch. | Bachelor of Surgery |
| B.Ch.D. | Bachelor of Dental Surgery [Baccalaureus in die Tandheelkunde : Pret.] |
| B.Chem.E. | Bachelor of Chemical Engineering |
| B.Chem.Eng. | Bachelor of Chemical Engineering |
| B.Chir. | Bachelor of Surgery |
| B.C.L. | Bachelor of Civil Law<br>Bachelor of Civil Laws : Delhi |
| B.Com. | Bachelor of Commerce [Baccalaureus in die Handel : Pret.] |
| B.Com. (Econ., Pol. and Sociol.) | Bachelor of Commerce (Economics, Politics and Sociology) |
| B.Com. (Geog.) | Bachelor of Commerce (Geography) |
| B.Comm. | Bachelor of Commerce [Baccalaureus in die Handelswetenskappe : Stell.] |
| B.Com.Sc. | Bachelor of Commercial Science |

| | |
|---|---|
| B.Com. (Soc. Study) | Bachelor of Commerce (Social Study) |
| B.Com. with Russian Studies | Bachelor of Commerce with Russian Studies |
| B.D. | Bachelor of Divinity [Baccalaureus in die Godgeleerdheid : Stell.] |
| | Bachelor in Theology [Baccalaureus in Godgeleerdheid : Pret.] |
| | Bachelor of Theology : Malta |
| B.D.C. | Bachelor of Canon Law [Bachelier en Droit canonique] : Ott. |
| B.D.Ed. | Bachelor of Domestic Education |
| B.D.S. | Bachelor of Dental Surgery [Bachelier en Chirurgie dentaire : Montr.] |
| B.D.Sc. | Bachelor of Dental Science |
| B.E. | Bachelor of Engineering |
| | Bachelor of Science in Engineering : Sask. |
| B.Ec. | Bachelor of Economics |
| B.E. Chem. | Bachelor of Chemical Engineering |
| B.E. (Chem.) | Bachelor of Chemical Engineering |
| B.E. (Civil) | Bachelor of Engineering (Civil) |
| B.Econ. | Bachelor of Economics |
| B.Econ. (I.A.) | Bachelor of Economics in Industrial Administration |
| B.Econ. (P.A.) | Bachelor of Economics in Public Administration |
| B.Ed. | Bachelor of Education [Bachelier en Éducation : Ott., St. Jos. ; Baccalaureus in die Opvoedkunde : Pret.] |
| | Bachelor in Education : Acad. |
| B.Ed. Phys. | Bachelor of Physical Education [Baccalaureus in Liggaamlike Opvoedkunde] : Pret. |
| B.Ed.Sc. | Bachelor of Educational Science |
| B.E.E. | Bachelor of Electrical Engineering |
| B.E. (Elect.) | Bachelor of Engineering (Electrical) |
| B.E. (Mech.) | Bachelor of Engineering (Mechanical) |
| B.Eng. | Bachelor of Engineering |
| B.Eng.Sc. | Bachelor of Engineering Science |
| B.F.A. | Bachelor of Fine Arts |
| B.For. | Bachelor of Forestry |
| B.For.Sc. | Bachelor of Forestry Science |
| B.H.E. | Bachelor of Home Economics |
| B.H.Ec. | Bachelor of Household Economics |
| B.H.Sc. | Bachelor of Household Science |
| | Bachelor of Home Science : N.Z. |
| B.I.D. | Bachelor of Interior Design |
| B.J. | Bachelor of Journalism |
| B.L. | Bachelor of Law |
| | Bachelor of Laws : And., Madr., Mys., Trav. |
| B.Litt. | Bachelor of Letters |
| B.L.S. | Bachelor of Library Science |
| B.M. | Bachelor of Medicine |

| | |
|---|---|
| B.M.E. | Bachelor of Mining Engineering |
| B.Mech.E. | Bachelor of Mechanical Engineering |
| B.Med.Sc. | Bachelor of Medical Science |
| B.Met. | Bachelor of Metallurgy |
| B.Met.E. | Bachelor of Metallurgical Engineering |
| B.Mus. | Bachelor of Music [Bachelier en Musique : Laval, Montr. ; Baccalaureus in die Toonkuns : Stell.] |
| B.N. | Bachelor of Nursing |
| B.N.Sc. | Bachelor of Nursing Science |
| B.O.L. | Bachelor of Oriental Learning |
| B.Or. | Bachelor of Orientation [Bachelier en Orientation] : Laval |
| B.Paed. | Bachelor of Pedagogy |
| B.P.E. | Bachelor of Physical Education |
| B.P.Ed. | Bachelor of Physical Education |
| B.Ped. | Bachelor of Pedagogy |
| B.Péd. | Bachelor of Education [Bachelier en Pédagogie] : Laval |
| | Bachelor of Pedagogy [Bachelier en Pédagogie] : Montr. |
| B.P.F. | Bachelor of Family Pedagogy [Bachelière en Pédagogie familiale] : Montr. |
| B.Ph. | Bachelor of Philosophy [Bachelier en Philosophie] : Laval, Montr., Ott. |
| B.Pharm. | Bachelor of Pharmacy [Bachelier en Pharmacie : Laval, Montr.] |
| B.P.H.E. | Bachelor of Physical and Health Education |
| B.Phil. | Bachelor of Philosophy |
| B.Ph. (psychologie) | Bachelor of Philosophy (psychology) [Bachelier en Philosophie (psychologie)] : Montr. |
| B.Ph. (sc. médiévales) | Bachelor of Philosophy (Mediaeval Studies) [Bachelier en Philosophie (sc. médiévales)] : Montr. |
| B.S. | Bachelor of Surgery |
| B.S.A. | Bachelor of Science in Agriculture |
| | Bachelor of Agriculture [Bachelier en Sciences agricoles] : Laval |
| B.Sc. | Bachelor of Science [Bachelier ès Sciences : Laval, Montr., Ott., St. Jos. ; Baccalaureus in Wis- en Natuurkunde : Pret. ; Baccalaureus in die Natuurwetenskappe : Stell.] |
| | Bachelor in Science : Acad. |
| | Bachelor of Science in Applied and Industrial Chemistry : Cape T. |
| | Bachelor of Science in Engineering : Cape T. |
| | Bachelor of Science in Land Surveying : Cape T. |
| B.Sc.A. | Bachelor of Applied Sciences [Bachelier ès Sciences appliquées] : Laval |
| | Bachelor of Applied Science [Bachelier ès Sciences appliquées] : Montr. |
| B.Sc., Ag. | Bachelor of Science in Agriculture |

| | |
|---|---|
| B.Sc.Ag. | Bachelor of Science in Agriculture<br>Bachelor of Science (in Agriculture) : Raj. |
| B.Sc. (Ag.) | Bachelor of Science in Agriculture<br>Bachelor of Science (Agriculture) : Madr., Mys. |
| B.Sc. (Ag.E.) | Bachelor of Science in Agricultural Engineering |
| B.Sc.Agr. | Bachelor of Science in Agriculture [Bachelier en Sciences agricoles : Montr.] |
| B.Sc. (Agr.) | Bachelor of Science in Agriculture<br>Bachelor of Science (Agriculture) : Nag. |
| B.Sc. (Agr. Engineering) | Bachelor of Science in Agricultural Engineering |
| B.Sc. (Agri.) | Bachelor of Science (Agriculture) |
| B.Sc.Agric. | Bachelor of Science in Agriculture<br>Bachelor of the Science of Agriculture : Ceyl. |
| B.Sc. (Agric.) | Bachelor of Science in Agriculture<br>Bachelor of Science (Agriculture) : Lond.<br>Bachelor of Agriculture [Baccalaureus in Landbou] : Pret. |
| B.Sc. (Agric. Eng.) [B.Sc. (Agric. Ing.)] | Bachelor of Agricultural Engineering [Baccalaureus in Landbou-Ingenieurswese] : Pret. |
| B.Sc. Agriculture | Bachelor of Science (Agriculture) |
| B.Sc. (Agriculture) | Bachelor of Science (Agriculture) |
| B.Sc.App. | Bachelor of Applied Science : Q'ld. |
| B.Sc. (Applied) | Bachelor of Applied Science |
| B.Sc. (C.E.) | Bachelor of Science in Civil Engineering |
| B.Sc. Chem. Engineering | Bachelor of Science in Chemical Engineering |
| B.Sc. Chem.Tech. | Bachelor of Science in Chemical Technology |
| B.Sc. (Chem.Tech.) | Bachelor of Science in Chemical Technology |
| B.Sc. (Civ.Eng.) | Bachelor of Science (Civil Engineering)<br>Bachelor of Science in Civil Engineering : New Br. |
| B.Sc.Com. | Bachelor of Commerce [Bachelier en Sciences commerciales] : Laval<br>Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : Montr. |
| B.Sc.Comm. | Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : St. Jos. |
| B.Sc. (Dairying) | Bachelor of Science in Dairying |
| B.Sc. (Dent.) | Bachelor of Science in Dentistry |
| B.Sc. (Dietetics) [B.Sc. (Diëetkunde)] | Bachelor of Dietetics [Baccalaureus in Diëetkunde] : Pret. |
| B.Sc.Dom. | Bachelor of Household Sciences [Bachelier en Sciences domestiques] : Laval<br>Bachelor of Science in Domestic Science : Syd. |
| B.Sc. (Domesticae) | Bachelor of Domestic Science. |
| B.Sc. (Dom.Sc.) | Bachelor of Science (Domestic Science)<br>Bachelor of Domestic Science [Baccalaureus in Huishoudkunde] : Pret. |

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| B.Sc. (Dom.Sci.) | Bachelor of Science (Domestic Science) |
| B.Sc. (Econ.) | Bachelor of Science in Economics<br>Bachelor of Science (Economics) : Lond. |
| B.Sc.Ed.Inf. | Bachelor of Science in Nursing Education [Bachelière en Sciences de l'Education des infirmières] : Montr. |
| B.Sc. (E.E.) | Bachelor in Science in Electrical Engineering<br>Bachelor of Science in Electrical Engineering : Dacca |
| B.Sc.Eng. | Bachelor of Science in Engineering<br>Bachelor of the Science of Engineering : Ceyl. |
| B.Sc. (Eng.) | Bachelor of Science in Engineering<br>Bachelor of Science (Engineering) : Lond., Patna, Trav. |
| B.Sc.Eng. (Agric.) | Bachelor of Science in Agricultural Engineering |
| B.Sc. (Eng.) (Civil) | Bachelor of Science in Engineering (Civil) |
| B.Sc. (Eng.) (Elect.) | Bachelor of Science in Engineering (Electrical) |
| B.Sc. (Engg.) | Bachelor of Science (Engineering) |
| B.Sc. (Eng.) (Geol.) | Bachelor of Science in Engineering (Geological) |
| B.Sc. (Eng.) (Mech.) | Bachelor of Science in Engineering (Mechanical) |
| B.Sc. (Eng.Phys.) | Bachelor of Science in Engineering Physics |
| B.Sc. (Est.Man.) | Bachelor of Science (Estate Management) |
| B.Sc.F. | Bachelor of the Science of Forestry<br>Bachelor of Science in Forestry : Melb. |
| B.Sc.For. | Bachelor of Science in Forestry |
| B.Sc. (For.) | Bachelor of Science in Forestry |
| B.Sc. (H. & S.S.) | Bachelor of Science (Household and Social Science) |
| B.Sc. (H.Ec.) | Bachelor of Science in Home Economics<br>Bachelor in Science with Home Economics : Acad.<br>Bachelor of Science in Household Economics : Alta. |
| B.Sc. (Home Sciences) | Bachelor of Sciences (Home Sciences) |
| B.Sc. (Hort.) | Bachelor of Science in Horticulture<br>Bachelor of Science (Horticulture) : Lond. |
| B.Sc. (Hortic.) | Bachelor of Science in Horticulture |
| B.Sc.Hosp. | Bachelor of Nursing [Bachelier en Sciences hospitalières] : Laval |
| B.Sc. (Household Science) | Bachelor of Science (Household Science) |
| B.Sc. (Hyg.) | Bachelor of Science in Hygiene |
| B.Sc. (Hygiene) | Bachelor of Science (Hygiene) |
| B.Sc. in Agriculture | Bachelor of Science in Agriculture |
| B.Sc. in Arts | Bachelor of Science in Arts |
| B.Sc. in Bosbou | Bachelor of Science in Forestry [Baccalaureus in die Natuurwetenskappe in Bosbou] : Stell. |

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| B.Sc. (Ind.Chem.) | Bachelor of Science (Industrial Chemistry) |
| B.Sc. in Engineering | Bachelor of Science in Engineering |
| B.Sc.Ing. | Bachelor of Science in Engineering [Baccalaureus in die Natuurwetenskappe in Ingenieurswese]: Stell. |
| B.Sc. in Home Economics | Bachelor of Science in Home Economics |
| B.Sc. in Home Science | Bachelor of Science (Home Science) |
| B.Sc. in Huishoudkunde | Bachelor of Science in Home Economics [Baccalaureus in die Natuurwetenskappe in Huishoudkunde]: Stell. |
| B.Sc. in Landbou | Bachelor of Science in Agriculture [Baccalaureus in die Natuurwetenskappe in Landbou] |
| B.Sc. in Nursing | Bachelor of Science in Nursing |
| B.Sc.L.A. | Bachelor of Science (Laboratory Assistant) |
| B.Sc. (Land Surveying) [B.Sc. (Landmeekkunde)] | Bachelor of Land Surveying [Baccalaureus in Landmeekkunde]: Pret. |
| B.Sc. (M.E.) | Bachelor of Science in Mechanical Engineering |
| B.Sc. (Mech.E.) | Bachelor of Science in Mechanical Engineering |
| B.Sc. (Mech.Eng.) | Bachelor of Science in Mechanical Engineering |
| B.Sc.Med. | Bachelor of Science in Medicine |
| B.Sc. (Med.) | Bachelor of Science in Medicine<br>Bachelor of Science (Medical): Syd., Bom. |
| B.Sc.Met. | Bachelor of Science in Metallurgy |
| B.Sc. (Metallurgical Engineering) | Bachelor of Science in Metallurgy |
| B.Sc. (Mil.) | Bachelor of Military Science [Baccalaureus in Krygskunde]: Pret. |
| B.Sc.Min. | Bachelor of Science in Mining |
| B.Sc. (Min.) | Bachelor of Science in Mining |
| B.Sc. Mining Engineering | Bachelor of Science in Mining |
| B.Sc.N. | Bachelor of Science in Nursing<br>Bachelor of Science–nutrition [Bachelier ès Sciences–nutrition]: Montr., Ott. |
| B.Sc.Nursing | Bachelor of Science in Nursing<br>Bachelor of Science (Nursing): Delhi |
| B.Sc. (Nutrition) | Bachelor of Science (Nutrition) |
| B.Sc.P. | Bachelor of Fisheries [Bachelier ès Sciences (Pêcheries)]: Laval |
| B.Sc. (P.Ed.) | Bachelor of Science in Physical Education |
| B.Sc. (Pharm.) | Bachelor of Science in Pharmacy<br>Bachelor of Science in Pharmaceutical Chemistry: Agra |
| B.Sc. (Pharmacy) | Bachelor of Science in Pharmacy |
| B.Sc.Phm. | Bachelor of Science in Pharmacy |

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| B.Sc.Phys.Ed. | Bachelor of Science in Physical Education |
| B.Sc. (Physiotherapy) | Bachelor of Science in Physiotherapy |
| B.Sc.Q.S. | Bachelor of Science in Quantity Surveying |
| B.Sc. (Q.S.) | Bachelor of Science in Quantity Surveying<br>Bachelor of Quantity Surveying [Baccalaureus in Bourekenkunde] : Pret. |
| B.Sc. (Soc.) | Bachelor of Science (Sociology) : Lond.<br>Bachelor of Social Sciences [Bachelier en Sciences sociales] : Laval |
| B.Sc.S.P. | Bachelor of Social and Political Sciences [Bachelier ès Sciences sociales et politiques] : Ott. |
| B.Sc.Sur. | Bachelor of Science in Land Surveying |
| B.Sc. (Surv.) | Bachelor of Science in Surveying |
| B.Sc. (Survey) | Bachelor of Science (Survey) |
| B.Sc.T. | Bachelor of Science in Medical Technology [Bachelier ès Sciences en Technologie médicale] : Montr. |
| B.Sc. (T.E.) | Bachelor of Science in Textile Engineering |
| B.Sc.Tech. | Bachelor of Technical Science |
| B.Sc. (Tech.) | Bachelor of Technology<br>Bachelor of Science (Technology) : Bom., Calc., Nag.<br>Bachelor of Science in Technology : Annam., Madr. |
| B.Sc.Tech. (Glass & Ceramics) | Bachelor of Science (Technical) Glass & Ceramics |
| B.Sc. (Text.) | Bachelor of Science (Textiles)<br>Bachelor of Science in Textiles : Panj. (I.) |
| B.Sc. (Vet.) | Bachelor of Science (Veterinary) |
| B.Sc. (Vet.Sci.) | Bachelor of Science (Veterinary Science) |
| B.Sc. (Vety.) | Bachelor of Veterinary Science |
| B.Serv.Soc. | Bachelor of Social Service [Bachelier en Service social] : Laval |
| B.S.F. | Bachelor of Science in Forestry |
| B.S.Litt. | Bachelor of Sacred Letters |
| B.S.N. | Bachelor of Science in Nursing |
| B.Soc.Sc. | Bachelor of Social Science |
| B.Soc.Sc. (S.W.) | Bachelor of Social Science (Social Welfare) |
| B.S.P. | Bachelor of Science in Pharmacy |
| B.S.Sc. | Bachelor of Sanitary Science |
| B.Surv. | Bachelor of Surveying |
| B.S.W. | Bachelor of Social Work |
| B.T. | Bachelor of Teaching |
| B.Tech. | Bachelor in Technology |
| B.Text. | Bachelor of Textiles |
| B.Th. | Bachelor in Theology<br>Bachelor of Theology : Alig. ; Laval, Montr., Ott. [Bachelier en Théologie] |
| B.U.T.S. | Bachelor of Unani Tib and Surgery |

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| B.Vet.Med. | Bachelor of Veterinary Medicine |
| B.V.Sc. | Bachelor of Veterinary Science [Baccalaureus in die Veeartsenykunde : Pret.] |
| B.V.Sc. and A.H. | Bachelor of Veterinary Science and Animal Husbandry |
| C.E. | Civil Engineer |
| Ch.B. | Bachelor of Surgery [Baccalaureus in Snykunde : Pret.] |
| Chem.E. | Chemical Engineer |
| Ch.M. | Master of Surgery |
| C.M. | Master of Surgery |
| D.Agr.Sc. | Doctor of Agricultural Science |
| D.Arch. | Doctor of Architecture |
| D.Ch. | Doctor of Surgery |
| D.C.L. | Doctor of Civil Law |
| D.Cn.L. | Doctor of Canon Law |
| D.Com. | Doctor of Commerce [Doktor in Handel] : Pret. |
| D.Com. (B. and A.) | Doctor of Management and Administration [Doktor in Bestuur en Administrasie] : Pret. |
| D.Comm. | Doctor of Commerce [Doktor in die Handelswetenskappe : Stell.] |
| D.D. | Doctor of Divinity [Doktor in die Godgeleerdheid : Stell.] |
| | Doctor in Theology [Doktor in Godgeleerdheid] : Pret. |
| | Doctor of Theology : Malta |
| D.D.C. | Doctor of Canon Law [Docteur en Droit canonique] : Laval, Ott. |
| D. de l'U. | Doctor of University [Docteur de l'Université] : Laval |
| D.D.S. | Doctor of Dental Surgery [Docteur en Chirurgie dentaire : Montr.] |
| D.D.Sc. | Doctor of Dental Science |
| D.E. | Doctor of Engineering |
| D.Econ. | Doctor of Economics |
| D.Ed. | Doctor of Education [Doktor in die Opvoedkunde : Pret., Stell.] |
| D.Ed.Ph. | Doctor of Physical Education [Doktor in Liggaamlike Opvoeding] : Stell. |
| D.Ed.Phys. | Doctor of Physical Education [Doktor in Liggaamlike Opvoedkunde] : Pret. |
| D.Eng. | Doctor of Engineering |
| D. ès L. | Doctor of Letters [Docteur ès Lettres] : Laval, Ott. |
| D.Hy. | Doctor of Hygiene |
| D.Jur. | Doctor Juris |
| D.L. | Doctor of Laws |
| D.Lett. | Doctor of Letters [Docteur en Lettres] : Montr. |
| D.Lit. | Doctor of Literature |

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| D.Litt. | Doctor of Letters |
| | Doctor of Literature : Wales, McG., Mt. All., Potchef., Pret. [Doktor in Lettere], Rhodes, S.A., Stell. [Doktor in die Lettere], Rand., Calc., Luck., Osm., Panj. (I.), Patna, Raj., Saug., Utkal, Ceyl., Dacca |
| D.M. | Doctor of Medicine |
| D.Met. | Doctor of Metallurgy |
| D.Miss. | Doctor of Missiology [Docteur en Missiologie] : Ott. |
| D.Mus. | Doctor of Music [Docteur en Musique : Laval, Montr. ; Doktor in die Toonkuns : Stell.] |
| D.M.V. | Doctor of Veterinary Medicine [Docteur en Médecine vétérinaire] : Montr. |
| D.O.L. | Doctor of Oriental Learning |
| D.Paed. | Doctor of Pedagogy |
| D.Péd. | Doctor of Education [Docteur en Pédagogie] : Laval |
| | Doctor of Pedagogy [Docteur en Pédagogie] : Montr. |
| D.Ph. | Doctor of Philosophy [Docteur en Philosophie] : Laval, Montr., Ott. |
| D.Pharm. | Doctor of Pharmacy [Docteur en Pharmacie] : Laval, Montr. |
| D.Phil. | Doctor of Philosophy [Doktor in Wysbegeerte : Pret. ; Doktor in die Wysbegeerte : Stell.] |
| | Doctor of Public Administration [Doktor in Publieke Administrasie] : Pret. |
| D.Ph. (psychologie) | Doctor of Philosophy (psychology) [Docteur en Philosophie (psychologie)] : Montr. |
| D.Ph. (sc. médiévales) | Doctor of Philosophy (Mediæval Studies) [Docteur en Philosophie (sc. médiévales)] : Montr. |
| D.Ps.Sc. | Doctor of Psychological Science |
| D.S.A. | Doctor of Agriculture [Docteur en Sciences agricoles] : Laval |
| D.Sc. | Doctor of Science [Docteur ès Sciences : Laval, Montr., Ott. ; Doktor in die Wis- en Natuurkunde : Pret. ; Doktor in die Natuurwetenskappe : Stell.] |
| | Doctor of Science in Applied and Industrial Chemistry : Cape T. |
| | Doctor of Science in Engineering : Cape T. |
| | Doctor of Science in Land Surveying : Cape T. |
| D.Sc.A. | Doctor of Sciences [Docteur en Sciences appliquées] : Laval |
| | Doctor of Applied Science [Docteur en Sciences appliquées] : Montr. |
| D.Sc.Agr. | Doctor of Science in Agriculture |
| D.Sc.Agric. | Doctor of Science in Agriculture |
| D.Sc. (Agric.) | Doctor of Science in Agriculture |
| | Doctor of Agriculture [Doktor in Landbou] : Pret. |
| D.Sc. (Agric.Eng.) [D.Sc. (Agric. Ing.)] | Doctor of Agricultural Engineering [Doktor in Landbou-Ingenieurswese] : Pret. |

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| D.Sc.Com. | Doctor of Commerce [Docteur en Sciences commerciales] : Laval<br>Doctor of Commercial Science [Docteur en Sciences commerciales] : Montr. |
| D.Sc. (Econ.) | Doctor of Science (Economics)<br>Doctor of Science in Economics : Southampton, Rand. |
| D.Sc.Eng. | Doctor of Science (Engineering)<br>Doctor of Science in Engineering : Syd., Rand. |
| D.Sc. (Eng.) | Doctor of Science (Engineering) |
| D.Sc. in Bosbou | Doctor of Science in Forestry [Doktor in die Natuurwetenskappe in Bosbou] : Stell. |
| D.Sc.Ing. | Doctor of Science in Engineering [Doktor in die Natuurwetenskappe in Ingenieurswese] : Stell. |
| D.Sc. in Landbou | Doctor of Science in Agriculture [Doktor in die Natuurwetenskappe in Landbou] : Stell. |
| D.Sc.Pol. | Doctor of Political Sciences [Docteur ès Sciences politiques] : Ott. |
| D.Sc. (Pub.Health) | Doctor of Science (Public Health) |
| D.Sc.Soc. | Doctor of Social Sciences [Docteur en Sciences sociales] : Laval |
| D.Sc.Tech. | Doctor of Technical Science |
| D.Soc.Sc. | Doctor of Social Science |
| D.S.W. | Doctor of Social Work |
| D.Tech. | Doctor in Technology |
| D.Th. | Doctor of Theology [Docteur en Théologie]: Laval, Montr., Ott. |
| D.V.M. | Doctor of Veterinary Medicine |
| D.V.Sc. | Doctor of Veterinary Science [Doktor in die Veeartsenykunde : Pret.] |
| Ed.B. | Bachelor of Education |
| Ed.D. | Doctor of Education |
| E.E. | Electrical Engineer |
| I.F. | Forest Engineer [Ingénieur forestier] : Laval |
| L.D.C. | Licentiate in Canon Law [Licencié en Droit canonique] : Ott. |
| L. ès L. | Licentiate of Letters [Licencié ès Lettres] : Laval |
| L.H. | Licentiate of Hygiene [Licencié en Hygiène] : Montr. |
| Lic.D. | Licentiate in Theology |
| Litt.D. | Doctor of Letters |
| LL.B. | Bachelor of Laws [Baccalaureus in Regsgeleerdheid : Pret., Stell.]<br>Bachelor of Law : Camb.; Laval & Montr. [Bachelier en Droit], Potchef., Patna |
| LL.D. | Doctor of Laws [Doktor in die Regsgeleerdheid : Pret., Stell.]<br>Doctor of Law : Camb. ; Laval & Montr. [Docteur en Droit] |
| L.Lett. | Licentiate of Letters [Licencié ès Lettres] : Montr. |

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| LL.L. | Licentiate of Law [Licencié en Droit] : Laval, Montr. |
| LL.M. | Master of Laws<br>Master of Law : Camb., Sind |
| L.Mus. | Licentiate of Music [Licencié en Musique] : Laval, Montr. |
| L.Or. | Licentiate or Master of Orientation [Licencié en Orientation] : Laval |
| L.Péd. | Licentiate or Master of Education [Licencié en Pédagogie] : Laval<br>Licentiate of Pedagogy [Licencié en Pédagogie] : Montr. |
| L.Ph. | Licentiate of Philosophy [Licencié en Philosophie] : Laval, Montr., Ott. |
| L.Ph. (psychologie) | Licentiate of Philosophy (psychology) [Licencié en Philosophie (psychologie)] : Montr. |
| L.Ph. (sc. médiévales) | Licentiate of Philosophy (Mediæval Studies) [Licencié en Philosophie (sc. médiévales)] : Montr. |
| L.S.Agr. | Licentiate of Science in Agriculture [Licencié ès Sciences agricoles] : Montr. |
| L.Sc. | Licentiate of Sciences [Licencié ès Sciences] : Laval |
| L.Sc.Com. | Licentiate or Master of Commerce [Licencié en Sciences commerciales] : Laval<br>Licentiate of Commercial Sciences [Licencié en Sciences commerciales] : Montr. |
| L.Sc.Compt. | Licentiate of Accountancy [Licencié en Sciences comptables] : Montr. |
| L.Sc.O. | Licentiate of Optometry [Licencié en Sciences–optométrie] : Montr. |
| L.Sc.Pol. | Licentiate in Political Sciences [Licencié ès Sciences politiques] : Ott. |
| L.Th. | Licentiate or Master of Theology [Licencié en Théologie] : Laval, Montr., Ott. |
| M.A. | Master of Arts [Maître ès Arts : Laval, Montr., Ott., St. Jos.]<br>Master of Arts in Fine Art : Cape T.<br>Master of Arts and Philosophy [Magister in die Lettere en Wysbegeerte] : Pret., Stell. |
| M.A. (Arch.) | Master of Arts (Architecture) |
| M.A. (Bantu Languages) [M.A. Bantoekunde] | Master of Arts in Bantu Languages [Magister in Lettere en Wysbegeerte in Bantoekunde] : Pret. |
| M.Admin. | Master of Public Administration [Magister in Publieke Administrasie] : Pret. |
| M.A. (droit) | Master of Arts (Law) [Maître ès Arts (droit)] : Montr. |
| M.A. (Econ.) | Master of Arts in Economic and Social Studies |
| M.A. (Ed.) | Master of Arts in Education |
| M.A. (F.A.) | Master of Arts in Fine Arts |
| M.A. Fine Arts | Master of Arts in Fine Arts |

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| M.Ag. | Master of Agriculture |
| M.Agr. | Master of Agriculture |
| M.Agr.Sc. | Master of Agricultural Science |
| M.Agr.Sc. (Dairy Tech.) | Master of Agricultural Science (Dairy Technology) |
| M.Agr.Sc. (Hort.) | Master of Agricultural Science (Horticulture) |
| M.Ag.Sc. | Master of Agricultural Science |
| M.A. in Maatskaplike Werk | Master of Arts in Social Work [Magister in Maatskaplike Werk] : Stell. |
| M.A. (Library Science) [M.A. (Biblioteekkunde)] | Master of Library Science [Magister in Biblioteekkunde] : Pret. |
| M.A. (Lib.Sc.) | Master of Library Science |
| M.A.O. | Master of Obstetrics |
| M.A. (Ph.) | Master of Arts (Philosophy) [Maître ès Arts (Philosophie)] : Ott. |
| M.A. (Pol.Sc.) [M.A. (Staatswetenskappe)] | Master of Arts in Political Science [Magister in Lettere en Wysbegeerte in Staatswetenskappe] : Pret. |
| M.A. (psychologie) | Master of Arts (psychology) [Maître ès Arts (psychologie)] : Montr. |
| M.Arch. | Master of Architecture [Magister in die Argitektuur : Pret.] |
| M.Arch. (C.P.) | Master of Architecture (Community Planning) |
| M.A.Sc. | Master of Applied Science |
| M.A. (sc. médiévales) | Master of Arts (Mediæval Studies) [Maître ès Arts (sc. médiévales)] : Montr. |
| M.A. (S.S.) | Master of Arts in Social Science |
| M.A. (S.W.) | Master of Arts in Social Sciences [Magister in die Lettere en Wysbegeerte in Sosiale Wetenskappe] : Pret. |
| M.B. | Bachelor of Medicine [Bachelier en Médecine : Laval ; Baccalaureus in Geneeskunde : Pret.] |
| M.B.A. | Master of Business Administration |
| M.C.D. | Master of Civic Design |
| M.C.E. | Master of Civil Engineering |
| M.Ch. | Master of Surgery [Magister in Chirurgie : Pret.] |
| M.Ch.D. | Master of Dental Surgery |
| M.Chir. | Master of Surgery |
| M.Ch.Orth. | Master of Orthopaedic Surgery |
| M.C.L. | Master of Civil Law |
| M.Cl.Sc. | Master of Clinical Science |
| M.Com. | Master of Commerce [Magister in die Handel : Pret.] |
| M.Com. (B. and A.) | Master of Management and Administration [Magister in Bestuur en Administrasie] : Pret. |
| M.Comm. | Master of Commerce [Magister in die Handelswetenskappe : Stell.] |
| M.D. | Doctor of Medicine [Docteur en Médecine : Laval, Montr., Ott. ; Doktor in Geneeskunde : Pret.] |
| | Doctor of Medicine and Surgery : Malta |

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| M.Div. | Master of Divinity |
| M.D.S. | Master of Dental Surgery |
| M.D.Sc. | Master of Dental Science |
| M.E. | Master of Engineering<br>Mining Engineer : Tor. |
| M.Ec. | Master of Economics |
| Mech.E. | Mechanical Engineer |
| M.Econ. | Master of Economics |
| M.Ed. | Master of Education [Magister in die Opvoedkunde : Pret., Stell.]<br>Master in Education : Manc. |
| M.Ed.Ph. | Master of Physical Education [Magister in Liggaamlike Opvoeding] : Stell. |
| M.Ed. (Phys.) | Master of Physical Education [Magister in Liggaamlike Opvoedkunde] : Pret. |
| M.E.E. | Master of Electrical Engineering |
| M.Eng. | Master of Engineering |
| M.Eng.Sc. | Master of Engineering Science |
| M.E. (Pub. Health) | Master of Engineering (Public Health) |
| Met.E. | Metallurgical Engineer |
| M.F. | Master of Forestry |
| M.H.Sc. | Master of Home Science |
| M.L. | Master of Laws |
| M.Lib. | Master of Library Science |
| M.Litt. | Master of Letters |
| M.L.S. | Master of Library Science |
| M.M.E. | Master of Mining Engineering |
| M.Mech.E. | Master of Mechanical Engineering |
| M.Med. | Master of Medicine |
| M.Med.Sc. | Master of Medical Science |
| M.Met. | Master of Metallurgy |
| M.Met.E. | Master of Metallurgical Engineering |
| M.Mus. | Master of Music [Maître en Musique : Montr. ; Magister in die Toonkuns : Stell.] |
| M.O. | Master of Obstetrics |
| M.O.G. | Master of Obstetrics and Gynæcology |
| M.O.L. | Master of Oriental Learning |
| M.P. | Master of Planning |
| M.Pharm. | Master of Pharmacy [Maître en Pharmacie ; Laval, Montr.] |
| M.Ps.Sc. | Master of Psychological Science |
| M.Rad. | Master of Radiology |
| M.R.I. | Master of Industrial Relations [Maître en Relations industrielles] : Montr. |
| M.S. | Master of Surgery |
| M.S.A. | Master of Science in Agriculture |
| M.Sc. | Master of Science [Maître ès Sciences : Montr. ; Magister in die Wis- en Natuurkunde : Pret. ; Magister in die Natuurwetenskappe : Stell.]<br>Master of Sciences [Maître ès Sciences] : Laval, Ott. |

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| M.Sc. *contd.* | Master of Science in Applied and Industrial Chemistry : Cape T. |
| | Master of Science in Engineering : Cape T. |
| | Master of Science in Land Surveying : Cape T. |
| M.Sc.A. | Master of Applied Science [Maître en Sciences appliquées] : Montr. |
| M.Sc., Ag. | Master of Science in Agriculture |
| M.Sc.Ag. | Master of Science in Agriculture |
| M.Sc.Agr. | Master of Science in Agriculture |
| M.Sc. (Agr.) | Master of Science (Agriculture) |
| M.Sc. (Agri.) | Master of Science (Agriculture) |
| M.Sc.Agric. | Master of Science in Agriculture |
| | Master of the Science of Agriculture : Ceyl. |
| M.Sc. (Agric.) | Master of Science in Agriculture |
| | Master of Science (Agriculture) : Lond. |
| | Master of Agriculture [Magister in Landbou] : Pret. |
| M.Sc. (Agric.Eng.) [M.Sc. (Agric. Ing.)] | Master of Agricultural Engineering [Magister in Landbou-Ingenieurswese] : Pret. |
| M.Sc.App. | Master of Applied Science |
| M.Sc. (Applied) | Master of Applied Science |
| M.Sc.Chem.Tech. | Master of Science in Chemical Technology |
| M.Sc. (Chem. Tech.) | Master of Science in Chemical Technology |
| M.Sc. (C.P.) | Master of Science (Community Planning) |
| M.Sc. (Dent.) | Master of Science in Dentistry |
| M.Sc. (Dom.Sc.) | Master of Domestic Science [Magister in Huishoudkunde] : Pret. |
| M.Sc. (Econ.) | Master of Science in Economics |
| | Master of Science (Economics) : Lond. |
| M.Sc.Eng. | Master of Science in Engineering |
| | Master of the Science of Engineering : Ceyl. |
| M.Sc. (Eng.) | Master of Science in Engineering |
| | Master of Science (Engineering) : Lond. |
| M.Sc. (Est.Man.) | Master of Science (Estate Management) |
| M.Sc.F. | Master of the Science of Forestry |
| | Master of Science in Forestry : New Br., Melb. |
| M.Sc. (Hort.) | Master of Science in Horticulture |
| M.Sc. in Arts | Master of Science in Arts |
| M.Sc. in Bosbou | Master of Science in Forestry [Magister in die Natuurwetenskappe in Bosbou] : Stell. |
| M.Sc.Ing. | Master of Science in Engineering [Magister in die Natuurwetenskappe in Ingenieurswese] : Stell. |
| M.Sc. in Huishoudkunde | Master of Science in Home Economics [Magister in die Natuurwetenskappe in Huishoudkunde] : Stell. |
| M.Sc. in Landbou | Master of Science in Agriculture [Magister in die Natuurwetenskappe in Landbou] : Stell. |
| M.Sc.Med. | Master of Science in Medicine |
| M.Sc. (Medical) | Master of Science (Medical) |

| | |
|---|---|
| M.Sc. (Min.) | Master of Science in Mining |
| M.Sc.N. | Master of Science–nutrition [Maître ès Sciences–nutrition] : Montr. |
| M.Sc. (Q.S.) | Master of Quantity Surveying [Magister in Boure-kenkunde] : Pret. |
| M.Sc.Soc. | Master of Social Sciences [Maître en Sciences sociales] : Laval |
| | Master of Social Science [Maître ès Sciences sociales] : Montr. |
| M.Sc.Sur. | Master of Science in Land Surveying |
| M.Sc.Tech. | Master of Technical Science |
| M.Sc. (Tech.) | Master of Science (Technology) |
| M.Serv.Soc. | Master of Social Service [Maître en Service social] : Laval |
| M.Soc.Sc. | Master of Social Science |
| M.Soc.Sc. (S.W.) | Master of Social Science (Social Welfare) |
| M.S.S. | Master of Social Work [Maître en Service social] : Montr. |
| M.S.W. | Master of Social Work |
| M.T. | Master of Teaching |
| M.Tech. | Master in Technology |
| M.Th. | Master of Theology |
| Mus.B. | Bachelor of Music |
| Mus.Bac. | Bachelor of Music |
| | Bachelor in Music : Acad. |
| Mus.D. | Doctor of Music |
| Mus.Doc. | Doctor of Music |
| Mus.M. | Master of Music |
| Mus.Mas. | Master in Music |
| M.V.Sc. | Master of Veterinary Science |
| Ph.D. | Doctor of Philosophy [Docteur en Philosophie : Montr., Ott.] |
| | Doctor in Philosophy : Liv. |
| Phm.B. | Bachelor of Pharmacy |
| Sc.D. | Doctor of Science |
| S.T.M. | Master of Theology |
| Th.B. | Bachelor of Theology |
| Th.D. | Doctor of Theology |
| Th.M. | Master of Theology |
| Vet.M.B. | Bachelor of Veterinary Medicine |

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

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

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

| | |
|---|---|
| A.F.C. | Air Force Cross. |
| A.F.M. | Air Force Medal. |
| B.E.M. | British Empire Medal. |
| C.B. | Companion of the Bath. |
| C.B.E. | Commander Order of British Empire. |
| C.G. | Croix de Guerre. |
| C.G.M. | Conspicuous Gallantry Medal. |
| C.H. | Companion of Honour. |
| Chev. Lég. d'H. | Chevalier de la Légion d'Honneur. |
| C.I. | Imperial Order of the Crown of India. |
| C.I.E. | Companion of the Order of the Indian Empire. |
| C.M.G. | Companion of the Order of St. Michael and St. George. |
| Comm. Lég. d'H. | Commandeur de la Légion d'Honneur. |
| C.S.I. | Companion of the Order of the Star of India. |
| C.V.O. | Commander of the Royal Victorian Order. |
| D.B.E. | Dame of the Order of the British Empire. |
| D.C.M. | Distinguished Conduct Medal. |
| D.F.C. | Distinguished Flying Cross. |
| D.F.M. | Distinguished Flying Medal. |
| D.L. | Deputy-Lieutenant. |
| D.S.C. | Distinguished Service Cross. |
| D.S.M. | Distinguished Service Medal. |
| D.S.O. | Companion of the Distinguished Service Order. |
| F.A.A. | Fellow of the Association of Accountants of Australia. |
| F.A.A.A.S. | Fellow of the American Association for the Advancement of Science. |
| F.A.A.O.S. | Fellow of the American Academy of Orthopædic Surgeons. |
| F.A.C.D. | Fellow of the American College of Dentists. |
| F.A.C.P. | Fellow of the American College of Physicians. |
| F.A.C.S. | Fellow of the American College of Surgeons. |
| F.A.I. | Fellow of the Auctioneers' Institute. |
| F.A.I.A. | Fellow of the American Institute of Architects. |
| F.A.I.E.E. | Fellow of the American Institute of Electrical Engineers. |
| F.Am.G.S. | Fellow of the American Geological Society. |
| F.A.P.S. | Fellow of the American Physical Society. |
| F.B.A. | Fellow of the British Academy. |
| F.B.Ps.S. | Fellow of the British Psychological Society. |
| F.C.A. | Fellow of the Institute of Chartered Accountants. |
| F.C.A.A. | Fellow of the Australian Institute of Cost Accountants. |
| F.C.A.(Aust.) | Fellow of the Institute of Chartered Accountants in Australia. |
| F.C.I.C. | Fellow of the Canadian Institute of Chemistry. |
| F.C.I.S. | Fellow of the Chartered Institute of Secretaries. |
| F.C.S. | Fellow of the Chemical Society. |

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|---|---|
| F.D.S. | Fellow of the Dental Society. |
| F.D.S.R.C.S. | Fellow of the Royal College of Surgeons in Dental Surgery. |
| F.E.I.S. | Fellow of the Educational Institute of Scotland. |
| F.F.A. | Fellow of the Faculty of Actuaries. |
| F.F.A.R.C.S. | Fellow of the Faculty of Anæsthetists, Royal College of Surgeons. |
| F.F.I.A. | Fellow of the Federal Institute of Accountants. |
| F.F.R. | Fellow of the Faculty of Radiologists. |
| F.G.S. | Fellow of the Geological Society. |
| F.G.S.A. | Fellow of the Geological Society of America. |
| F.I.A. | Fellow of the Institute of Actuaries. |
| F.I.A.N.Z. | Fellow of the Institute of Actuaries of New Zealand. |
| F.I.C.A. | Fellow of the Commonwealth Institute of Accountants. |
| F.I.C.D. | Fellow of the International College of Dentists. |
| F.I.F. | Fellow of the Institute of Fuels. |
| F.I.I.A. | Fellow of the Institute of Industrial Administration. |
| F.I.M. | Fellow of the Institute of Metallurgists. |
| F.I.P. | Fellow of the Institute of Physics. |
| F.I.S.E. | Fellow of the Institution of Structural Engineers. |
| F.L.A. | Fellow of the Library Association. |
| F.L.S. | Fellow of the Linnean Society. |
| F.N.I. | Fellow of the National Institute of Sciences (India). |
| F.N.Z.I.A. | Fellow of the New Zealand Institute of Architects. |
| F.N.Z.I.C. | Fellow of the New Zealand Institute of Chemistry. |
| F.P.A.N.Z. | Fellow, Public Accountant, New Zealand. |
| F.R.A.C.P. | Fellow of the Royal Australian College of Physicians. |
| F.R.A.C.S. | Fellow of the Royal Australian College of Surgeons. |
| F.R.A.I. | Fellow of the Royal Anthropological Institute. |
| F.R.A.I.A. | Fellow of the Royal Australian Institute of Architects. |
| F.R.A.M. | Fellow of the Royal Academy of Music. |
| F.R.A.N.Z. | Fellow, Registered Accountant, New Zealand. |
| F.R.Ae.S. | Fellow of the Royal Aeronautical Society. |
| F.R.A.S. | Fellow of the Royal Astronomical Society. |
| F.R.B.S. | Fellow of the Royal Society of British Sculptors. |
| F.R.C.M. | Fellow of the Royal College of Music. |
| F.R.C.O. | Fellow of the Royal College of Organists. |
| F.R.C.O.G. | Fellow of the Royal College of Obstetricians and Gynæcologists. |
| F.R.C.P. | Fellow of the Royal College of Physicians, London. |
| F.R.C.P.Can. | Fellow of the Royal College of Physicians, Canada. |
| F.R.C.P.Ed. | Fellow of the Royal College of Physicians, Edinburgh. |
| F.R.C.P.I. | Fellow of the Royal College of Physicians, Ireland. |
| F.R.C.S. | Fellow of the Royal College of Surgeons of England. |
| F.R.C.S.Can. | Fellow of the Royal College of Surgeons of Canada. |
| F.R.C.S.Ed. | Fellow of the Royal College of Surgeons of Edinburgh. |
| F.R.C.Sc.I. | Fellow of the Royal College of Science of Ireland. |
| F.R.C.S.I. | Fellow of the Royal College of Surgeons of Ireland. |
| F.R.C.V.S. | Fellow of the Royal College of Veterinary Surgeons. |
| F.R.E.S. | Fellow of the Royal Economic Society. |

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|---|---|
| F.R.F.P.S.Glas. | Fellow of the Royal Faculty of Physicians and Surgeons of Glasgow. |
| F.R.Hist.S. | Fellow of the Royal Historical Society. |
| F.R.I.A.I. | Fellow of the Royal Institute of Architects of Ireland. |
| F.R.I.A.S. | Fellow of the Royal Institute of Architects of Scotland. |
| F.R.I.B.A. | Fellow of the Royal Institute of British Architects. |
| F.R.I.C. | Fellow of the Royal Institute of Chemistry. |
| F.R.I.C.S. | Fellow of the Royal Institution of Chartered Surveyors. |
| F.R.Met.S. | Fellow of the Royal Meteorological Society. |
| F.R.S. | Fellow of the Royal Society. |
| F.R.S.A. | Fellow of the Royal Society of Arts. |
| F.R.San.I. | Fellow of the Royal Sanitary Institute. |
| F.R.S.C. | Fellow of the Royal Society of Canada. |
| F.R.S.L. | Fellow of the Royal Society of Literature. |
| F.R.S.N.Z. | Fellow of the Royal Society of New Zealand. |
| F.R.S.S.Af. | Fellow of the Royal Society of South Africa. |
| F.S.A. | Fellow of the Society of Antiquaries. |
| F.S.A.A. | Fellow of the Society of Incorporated Accountants and Auditors. |
| F.S.A.L.A. | Fellow of the South African Library Association. |
| F.S.S. | Fellow of the Statistical Society. |
| F.T.C.L. | Fellow of Trinity College of Music, London. |
| F.T.I. | Fellow of the Textile Institute. |
| G.B.E. | Knight or Dame Grand Cross Order of the British Empire. |
| G.C. | George Cross. |
| G.C.B. | Knight Grand Cross of the Bath. |
| G.C.I.E. | Knight Grand Commander of the Indian Empire. |
| G.C.M.G. | Knight Grand Cross of St. Michael and St. George. |
| G.C.S.I. | Knight Grand Commander of the Star of India. |
| G.C.V.O. | Knight or Dame Grand Cross of the Royal Victorian Order. |
| G.M. | George Medal. |
| I.S.O. | Imperial Service Order. |
| K.B.E. | Knight Commander Order of the British Empire. |
| K.C.B. | Knight Commander of the Bath. |
| K.C.I.E. | Knight Commander of the Indian Empire. |
| K.C.M.G. | Knight Commander of St. Michael and St. George. |
| K.C.S.I. | Knight Commander of the Star of India. |
| K.C.V.O. | Knight Commander of the Royal Victorian Order. |
| K.G. | Knight of the Order of the Garter. |
| K.P. | Knight of the Order of St. Patrick. |
| K.T. | Knight of the Order of the Thistle. |
| M.B.E. | Member of the Order of the British Empire. |
| M.C. | Military Cross. |
| M.M. | Military Medal. |
| M.M. (U.S.A.) | Medal of Merit. |
| M.V.O. | Member Royal Victorian Order. |
| O.A. | Officier de l'Académie. |
| O.B.E. | Officer Order of British Empire. |

| | |
|---|---|
| O.Lég.d'H. | Officier de la Légion d'Honneur. |
| O.M. | Order of Merit. |
| Q.C. | Queen's Counsel. |
| R.R.C. | Royal Red Cross. |
| T.D. | Territorial Decoration. |
| V.C. | Victoria Cross. |
| V.D. | Volunteer Officers' Decoration. |

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# UNIVERSITIES OF THE UNITED KINGDOM

## Historical and General Summary

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

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

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

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

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

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

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

There are still some University Colleges, namely the University College of the South West of England, Exeter, the University College of Hull and the University College of Leicester, without the right of award-

ing their own degrees; their students are prepared for the external degrees of the University of London. In 1949 the University College of North Staffordshire was established with power to give a B.A. degree. The only other degree-giving institution in the country is St. David's College, Lampeter, which was empowered by Royal Charter in the 19th century to give Bachelor's degrees in Theology and in Arts.

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

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

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

Council of all the graduates has the right of expressing opinions on certain proposed changes.

As has been already noted, a characteristic of British Universities, as compared with those of the continent of Europe, has from the earliest days been the provision of Colleges or Halls of Residence, in which students live as members of a social community subject to the influence of corporate life. The extent of this provision varies considerably, however, from place to place, and in all the Universities a substantial proportion of the students live in their own homes or in lodgings (which are usually subject to some form of licensing or supervision by the University authorities). Of the full-time students at Universities and University Colleges in Gt. Britain in 1951–52, 25·9 per cent. resided in Colleges and Halls of Residence, 39·6 per cent. in lodgings, and 34·5 per cent. at home.*

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

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

### University Grants Committee

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

In July 1919 a Standing Committee of the Treasury was established

* *University Grants Committee: Returns from Universities and University Colleges in receipt of Treasury Grant, Academic Year 1951–52* (H.M.S.O., 1953), Cmd. 8847.

† Now Queen Elizabeth College.

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

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

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

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

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

The system of Treasury grants in aid of University expenditure is

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

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

In 1951–52 (the latest period for which complete returns of University income are available), recurrent Treasury grants had risen to 63·7 per cent. (£16,416,645) of University income. The remainder was derived from fees of various kinds (including Ministry of Education Tuition Grants for Teachers in Training) : 14·8 per cent. (£3,807,440) ; grants made by Government Departments other than the Treasury : 2·8 per cent. (£710,348) ; endowments for general and particular purposes : 5·2 per cent. (£1,347,570) ; local authority grants : 4·1 per cent. (£1,044,151) ; donations and subscriptions : 1·9 per cent. (£485,249) ; other income : 7·5 per cent. (£1,936,596). In addition, non-recurrent Treasury grants amounting to £7,002,095 were made.

### Students

The number of full-time students in 1951–52 at Universities and University Colleges which were in receipt of Treasury grant is given by the University Grants Committee * as 83,458, including 19,488 women. This compares with 85,314 in the immediately preceding year (1950–51) and with 50,002 in the last year before the war (1938–39). Of the full-time students in 1951–52, 66,409 were reading for a first degree, 5505 were reading for a first diploma and 11,544 were engaged in research or other advanced work. There were also 17,058 part-time students (compared with 16,698 in 1950–51), of whom 4904 were engaged in research or other advanced work, 1882 were reading for a first degree, 1825 reading for a first diploma and 8447 were " occasional students " (*i.e.* persons taking intra-mural courses which, though of University standard, did not lead to a degree or diploma). The number of students admitted for the first time in 1951–52 was 22,414, of whom 20,567 were reading for a first degree and 1847 for a first diploma.

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

* *See* footnote to p. 6.

London (*see* p. 210) who are in full-time attendance at institutions which prepare students for the external examinations of the University of London but are not part of the University. These students are not included in the totals given above, nor do the totals include the students of institutions other than Universities and University Colleges in which professional education of University level is given in Theology, Teaching, Agriculture, etc. ; nor students reading for the Bar. This makes comparison with statistics of foreign countries difficult, as does also the fact that the work of the higher forms of many of the schools in Britain corresponds to the earlier stages of the work done in Colleges and collegiate departments of Universities in some other countries.

### Scholarships

Few countries offer a richer variety than the United Kingdom of facilities for access to the highest forms of education. The annual Returns of the University Grants Committee * state that 72·4 per cent. of the full-time students at Universities and University Colleges in 1951–52 received some kind of financial assistance from scholarships, exhibitions or other awards, whether from public or private funds, which provided wholly or in part for the payment of their fees and other expenses. The main sources are as follows :

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

(ii) *Local Education Authorities.* In England and Wales, the awards made by local education authorities are based on performance in the examination for the General Certificate of Education or in examinations of comparable standard and are intended generally to meet the needs of able students who have not succeeded in winning a State Scholarship (*see* below). The awards are of two main types : *major* awards, assessed to cover the cost of fees and of maintenance during the academic year and usually during vacations also, less a contribution from the student or his parents on a graduated income scale ; and *minor* awards offering assistance on a smaller scale to able students. In 1952–53, 29,115 students were being assisted in this way, of whom 23,871 held major and 5244 minor awards, 8049 major and 1574 minor awards being taken up for the first time. The expenditure of local education authorities in 1951–52 on major awards was £4,427,000 and on minor awards £731,883. In Scotland, during 1951–52, education authorities awarded bursaries to 4993 students totalling about £448,000 to enable them to attend Universities in the United Kingdom. The amount of each bursary is determined by deducting the contribution of the student or his parents (calculated on a fixed scale) from the cost of the course including fees and other necessary expenditure and of an allowance for maintenance during term-time and in vacations.

(iii) (*a*) *Ministry of Education.* The Ministry offers assistance to

* *See* footnote to p. 6.

University students mainly in the form of State Scholarships awarded annually, of which there are four types: the *first* type is awarded on the recommendation of the bodies which conduct the examinations for the General Certificate of Education. 2391 new awards were offered in 1952 and, in all, 4519 were held in 1952–53. The *second* type is awarded, as an additional source of aid, to students who have already won an " open " scholarship or exhibition (*i.e.* an award the entry for which is unrestricted) at a University, College of a University or University College (*see* p. 9). In 1952, 1131 new State Scholarships were offered to holders of University awards and, in all, 3595 were held in 1952–53. The *third* and *fourth* types of State Scholarships are termed respectively Technical State Scholarships and Mature State Scholarships (intended for students of mature age). They assist students who have taken full-time or part-time courses in establishments of further education to follow a degree course. 119 new Technical and 30 new Mature State Scholarships were offered in 1952 and, in all, 341 and 78 respectively were held in 1952–53. The value of all types of State Scholarships is assessed at a level sufficient (with a contribution from the student or his parents, if required) to cover the full cost of the course including tuition fees and maintenance during the normal academic year. The mature awards are, however, assessed on rather more generous lines. The Ministry's estimates for the financial year 1953–54 include over £2,000,000 for State Scholarships of all types.

(iii) (*b*) *Scottish Education Department.* The Department awards bursaries to Scottish students who have insufficient residential connexions to qualify for awards from Scottish education authorities to enable them to attend Scottish Universities or other educational establishments. In 1951–52, 7 University bursaries totalling £875 were awarded. In addition, the Department awards Supplemental Allowances, which are analogous to the second type of State Scholarships awarded by the Ministry of Education, to Scottish students who have won approved open scholarships tenable at English Universities. In 1951–52, 70 such allowances totalling £13,175 were awarded.

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

Of particular importance in Scotland is the CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND, 22 Hanover Street, Edinburgh. Secretary and Treasurer: John R. Peddie, C.B.E., D.Litt. The annual income of the Trust is about £133,000, devoted to (A) the improvement and expansion of the Universities of Scotland in Science, Medicine, History, Economics and Mod. Langs.; (B) extending opportunities for post-graduate study and research; and (C) assisting Scottish students in the payment of Univ. class fees. Assistance in the payment of class fees is confined to persons who do not hold bursaries awarded by local Educa-

tion Authorities or to those holders of Education Authority bursaries the amount of which would seem to warrant additional aid from this Trust. Class fees paid for 1951–52 amounted, in all, to £15,069 and Research Fellowships, Scholarships and Grants to £37,365. Under the Quinquennial Scheme of Distribution for the period from Oct. 1, 1952, to Sept. 30, 1957, there has been allocated a sum of £284,000, distributed annually thus: St. Andrews—£10,000; Glasgow—£16,000; Aberdeen —£10,000; Edinburgh—£16,000. These "centres" include certain extra-mural Colleges to which, in all, grants of £4800 were made.

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

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

### DEGREES CONFERRED BY THE UNIVERSITIES OF THE UNITED KINGDOM

The older Universities have developed out of the Universities of the Middle Ages under the compulsion of internal forces, with very little influence from outside. The historical continuity of their evolution and their individual independence account for certain customs and usages in which they differ one from another and from Universities in other 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 first Arts degree in Scotland is the mastership, M.A. In Oxford and Cambridge, where the examination for the bachelorship grew to be the determining test, the mastership, which carries with it all the privileges of membership of the Guild or Senate, follows without further examination after an interval of two or three years, but in no case less than six years from matriculation. For convenience in standardizing the attainments of their alumni, modern Universities have divided the degree into stages—usually described as the "first" and the "higher" degrees—Bachelorship, Mastership and Doctorate. Notes on the regulations relating to these degrees are given below and a list of abbreviations for the various titles of degrees awarded by Universities appears in the preliminary pages.

#### First Degrees in Arts and Science

The conferment of a first degree marks the satisfactory completion of a three or four years' University course. At Oxford and Cambridge, where the Faculty of Arts is not sub-divided, B.A. is the first degree whether the course leading to it be literary or scientific, but at all other Universities a course in Arts leads to the B.A. (in Scotland, M.A.), in

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

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

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* GENERAL HONOURS DEGREES IN ARTS. *Birmingham*—Hons. awarded in Gen. B.A. Examn. where sufficient merit shown. Gen. degree Course given similar standing to course in a Spec. School; no course arranged for an Ord. degree. *Bristol*—Distinction between Ord. degree and degree with Hons. abolished. B.A. now conferred as Gen. degree or as Spec. degree; Hons. may be awarded with either. *Leeds*—B.A. conferred either in Gen. Studies or in Spec. Studies; Hons. may be awarded in either. For Gen. Studies degree candidates required to pursue courses in 3 approved subjs. for 3 yrs. and in approved subj. for 1 yr. *Liverpool*—B.A. conferred either as degree in Gen. Studies or as degree in Spec. Studies in 1 of Schools of Fac. Hons. may be awarded in both Gen. and Spec. Studies. *London*—Hons. not awarded at Examn. for B.A. (General) degree, at which 3 subjs. are taken. *Manchester*—Hons. School in Combined Subjs. instituted, under which a candidate can offer any *two* of the following Hons. subjs.: a Lang., Anc. or Mod.; Engl.; Hist.; Geog.; Philos. (Combinations of Gk. or Lat. or Classical Arabic with a mod. lang. permitted.) *Nottingham*—Hon. School of Gen. Studies in Arts established with standing similar to single subj. Hon. Schools. At present only Hons. combinations which may be offered in this Sch. are: Engl. and Philos.; Engl. and Econ. Hist.; German and Philos. For first 2 yrs. of course students read a 3rd subj. in addition to 2 selected for Hons. *Reading*—Composite Hons. Schools in Philos. and Engl. Lit., Philos. and German, Gk. and Engl. Lit., Lat. and Engl. Lit., Econ. and Soc. Psychol., Econ. and Soc. Philos. From 1955, Hons. may also be awarded in B.A. (Gen.) Examn. *Sheffield*—Hons. awarded in Gen. B.A. Examn. *Southampton*—Combined Hons. Schools in Classics, a Classical Lang. and Engl., and Philos. and Pure Maths. (Hons. not awarded for Gen. degree, although successful candidates classified as first, upper or lower second class, or pass.) *North Staffordshire*—B.A. awarded, after 4 yrs.' study, either as Ord. degree or with Hons. according to standard reached. This degree covers lit., social and scientific studies.

GENERAL HONOURS DEGREE IN SCIENCE. *Bristol*—Hons. degree in Gen. Sci. in *either* (*a*) 2 main subjs. and a subsid. subj. *or* (*b*) 3 main subjs. *Durham*—Gen. Hons. degree in Sci. instituted, courses available at King's Coll., Newcastle upon Tyne. *Leeds*—B.Sc. conferred either in Gen. Studies or in Spec. Studies; Hons. may be awarded in either. For degree in Gen. Studies candidates

The number and variety of subjects in which Honours degrees may be obtained are illustrated in the list of main subjects which appears annually in the Returns of the University Grants Committee.* The regulations governing the award of each of the various Honours and Special degrees are too complex to be conveniently summarized here, but full details are given in the University Calendars and Faculty Handbooks.

### Other Titles of Bachelors' Degrees conferred by various Universities

B.A. (Admin.), Manchester; B.A. in Arch., London; B.A. (Com.), Manchester; B.A. (Econ.), Bristol, Durham, Manchester, Sheffield; B.A. (Law), Southampton; B.A. (Mus.), Manchester; B.A. (Theol.), Manchester; B. Agr., Belfast; B.Arch., Durham, Liverpool, Wales; B.Com., Birmingham, Leeds, Liverpool, London, Manchester, Edinburgh, St. Andrews; B.Com. (Econ., Pol. and Sociol.), Birmingham; B.Com. (Geog.), Birmingham; B.Com. (Soc. Study), Birmingham; B.Com. with Russian Studies, Birmingham; B.Eng., Liverpool, Sheffield; B.Met., Sheffield; B.Sc. (Agr.), Aberdeen; B.Sc. (Agric.), London; B.Sc. (Dom. Sc.), Bristol; B.Sc. (Econ.), London, Southampton, Belfast; B.Sc. (Eng.), Nottingham, Aberdeen, London, Southampton; B.Sc. (Est. Man.), London; B.Sc. (For.), Aberdeen; B.Sc. (H. & S.S.), London; B.Sc. (Hort.), London; B.Sc. (Min.), Nottingham; B.Sc. Tech., Manchester, Sheffield.

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

#### Bachelorships

**B.Litt., B.Sc.** Awarded at Oxford for special study and research. The B.Litt. is awarded by Glasgow for advanced study for 2 yrs. At

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

* *See* footnote to p. 6; a convenient directory of subjects which may be taken as main or subsidiary parts of a first degree course appears in *Higher Education in the United Kingdom: A Handbook for Students from Overseas* (Longmans, Green, 1952).

St. Andrews, the B.Litt. may be taken conjointly with, or after, the M.A. degree.

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

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

### Masterships

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

a course of advanced study and research extending, usually, over 3 yrs At Leeds such candidates may be required to pass a preliminary test before being accepted for study. In Scotland the M.A. denotes the first degree in Arts and corresponds to the B.A. of an English University.

**M.Sc.** This degree is not conferred by Oxford or any of the Scottish Universities. 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 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 ; methods of examination vary in different subjects. At Manchester, by graduates, B.Sc. of 1 yr.'s standing, after thesis and examination (at the discretion of the Faculty). At Sheffield, by B.Sc. graduates who have either (i) attended the University for from 1 to 2 (pt.-time research in Education, 3) further yrs., presented a thesis approved by the Faculty concerned, passed an oral examination and, if required by Faculty, a written examination in matters relevant to the subject of the thesis or (ii) presented a short dissertation and passed written and oral and, if required, practical examinations after a full-time course of study of not less than 1 yr. in an approved subject; it may also be obtained without further residence by graduates, B.Sc. of the University, of not less than 2 yrs.' standing, who have presented a thesis approved by the Faculty and passed an oral examination. At Reading, by graduates of the University or of other approved Universities after 2 yrs.' research or advanced study and submission of thesis. At Nottingham the degree may be conferred upon graduates of the University after at least 1 yr. of further study, or upon graduates of other approved Universities after at least 2 yrs.' study. In Mycology, the degree is awarded after an examination, but in other subjects candidates are required to submit a thesis, present themselves for a *viva voce* examination and, if required, a written examination. The course for an M.Sc. degree in Mycology is of a year's duration. At Southampton the degree may be conferred upon graduates of the University and of other approved Universities after at least 1, and normally 2, yrs.' study. 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.

**M.Eng., M.Met., M.Sc. (Eng.), M.Sc. (Min.), M.Sc.Tech., M.Tech.,** Master's degrees in Engineering, Metallurgy, Mining, and Technology are conferred as follows : Liverpool, in Faculty of Engineering, M.Eng. upon (i) Honours graduates B.Eng. of the University after 2 yrs.' postgraduate practice and 3 terms' course in the University, thesis necessary, examination may be required ; upon (ii) other graduates B.Eng. after 3 yrs.' postgraduate practice and 6 terms' course in the University, thesis necessary, examination may be required ; upon (iii) graduates, over 21 yrs. of age, in a Faculty other than Engineering or graduates of an approved University, after thesis and 2 yrs.' course in the University; also (iv) upon non-graduates, under certain conditions. London, in Faculty of Engineering, M.Sc. (Eng.) as an internal degree upon graduates of the University or another approved University after 1 yr.'s course (graduates of other Universities are debarred from proceeding direct to higher degrees as *external* students), thesis or dissertation and oral examination required, written examination may be required. Manchester, in the Faculty of Technology, M.Sc. Tech. by thesis and examination upon graduates of the University of 1 yr.'s standing and upon graduates of other approved Universities through research at Manchester during 2 (non-graduates, 3) yrs. Nottingham, in Faculty of Applied Science, M.Sc. (Eng.) and M.Sc. (Min.) by thesis and examination upon graduates of the University after at least 1 yr.'s advanced work (non-graduates, 4 yrs.). Sheffield, in the Faculty of Engineering, M.Eng. and M.Sc. Tech. by thesis, upon (i) graduates B.Eng. or B.Sc. Tech. of 2 yrs.' standing and (ii) after 1 to 2 yrs.' advanced study and research by appropriately qualified graduates, B.Eng. or B.Sc. of any approved University ; in the Faculty of Metallurgy, M.Met., upon appropriately qualified graduates in Metallurgy, Pure Science or Engineering of any approved University, either by thesis after research for an approved period of 1 to 2 yrs. or by examination and presentation of a dissertation after an approved period of advanced study ; M.Sc. Tech., upon appropriately qualified graduates in Metallurgy, Pure Science, Fuel or Glass Technology of any approved University, either by thesis after research for a period of 1 to 2 yrs. on a subject related to refractory materials or by examination and presentation of a dissertation after an approved period of advanced study in refractory materials. Wales, in Faculty of Technology, upon graduates of the University after 1 yr.'s advanced work.

### Other Titles of Mastership conferred by various Universities

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

### Doctorates

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

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

For **LL.D.** and **D.C.L.** *see* p. 19. For **D.D.** *see* p. 18.

### Degrees in the Faculty of Divinity

**B.D.** Awarded by all Universities except Bristol, Liverpool, Reading, Sheffield and Southampton. This degree is conferred by Birmingham upon its own graduates and those of approved Universities after 2 yrs.' further study, the passing of an examination and the presentation of a thesis; by Cambridge upon its own graduates only of not less than 5 yrs.' standing from admission to a first degree, after submission of a dissertation or published works; by Durham, after examination and submission of a thesis, upon its own graduates of 3 yrs.' standing, and upon graduates of approved Universities who hold the Durham diploma in Theology; by Leeds upon its own graduates and

those of approved Universities after 2 yrs.' further study, examination (waived in case of B.A.s in Spec. Studies in Theol.) and submission of a thesis; by London, following a 3-yr. course from matriculation, after examination; by Manchester, by examination, upon its own graduates and those of approved Universities following 2 yrs.' further study or, in the case of non-graduates, 3 yrs. after completing the intermediate courses for an Ordinary degree in the Faculty of Arts; by Nottingham, after submission of a thesis, a *viva voce* examination and, if required, a written examination, upon its own graduates in Theology after 1 yr.'s further study, upon other graduates after 2 yrs.', and non-graduates after 4 yrs.'; by Oxford, after examination and submission of a dissertation or published works, upon Oxford M.A.s and graduates of approved Universities following 6 terms' study and residence at the University; by Wales, and each of the Scottish Universities, upon its own graduates and those of approved Universities, after 3 yrs.' further study and examination; by Belfast, upon graduates of approved Universities, after 2 yrs.' further study and examination. The B.D. may be taken with Honours at some Universities.

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

**D.D.** This degree is conferred by all Universities granting a first degree in Divinity, but only the University of Manchester permits graduates of other approved Universities to become candidates for the degree. At the Scottish Universities the D.D. is conferred only as an Honorary Degree. At London it is conferred upon Bachelors of Divinity who took Honours in at least one subject, on presentation of published work, or of a thesis, followed by an examination if the examiners so desire. At other Universities it is conferred in consideration of published works or a dissertation (and, at Oxford, a *viva voce* examination if the judges so desire). The requisite standing is, at Birmingham, 5 yrs. from B.D. of Birmingham or other approved University (or from second degree in which Theology has been a main part of second degree course), at Cambridge, 3 yrs. from B.D.; Durham, 10 yrs. from B.A., 5 yrs. from B.D.; Manchester, 4 yrs. from B.D. (or 6 yrs. for Bachelors of Divinity of other Universities who have studied for 2 yrs. at Manchester); Nottingham, graduates of University of 7 yrs.' standing from first degree; Oxford, 14 yrs. from matriculation, or, if he was admitted to the degree of B.D. as a graduate of another Univ., the candidate must have attained the age of 33; Wales, 6 yrs. from B.D.; Belfast, 6 yrs. from B.D.; 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 Southampton the LL.B. can only be taken after completion of the course for the first degree in law, B.A. (Law), which extends over 3 yrs. from matriculation and is awarded with Honours. At the Scottish Universities candidates must be graduates in Arts of approved Universities and pursue a course of study for 3 yrs.

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

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

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

**LL.M.** Conferred by Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Nottingham, Sheffield, Southampton and Wales on graduates of the University and of approved Universities; by Cambridge on LL.B.s of the University of 2 yrs.' standing, by thesis. *Graduates of the University*: At Leeds, Nottingham and Sheffield, on LL.B.s of 1 yr.'s standing, at Bristol, Durham and Manchester, of 2 yrs.' standing (at Manchester 1 yr. for persons who have graduated LL.B. with Hons. in the Univ.), on presentation of thesis. By examination at Birmingham after 1 yr.'s study, at London after 2 yrs.' study. At Liverpool, on graduates LL.B. with Honours, after 2 yrs.' study; on graduates Ordinary LL.B., and graduates of other Univs., subject to passing a prescribed examn. or by presenting an approved dissertation, after 2 yrs.' study (non-graduates, approved dissertation, after 3 yrs.' study). At Southampton, on graduates after at least 1, and normally 2, yrs.' study. At Wales, on LL.B.s 1 yr. after passing Honours examination or preliminary examination and not less than 5 yrs. after beginning scheme for LL.B., on presentation of a thesis. *Graduates of approved Universities*: Birmingham, after 1 yr.'s study, by examination; Southampton, after at least 1, and normally 2, yrs.' study. Bristol, Durham, Leeds, Manchester, Nottingham and Wales, after 2 yrs.' study, by thesis; Liverpool, 2 yrs.' study, by examination or thesis; 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 only as an Honorary degree. Other Universities, unless the degree be awarded as an Honorary degree, require the submission of a thesis, dissertation or published works, and may require attendance at an examination. The requisite standing for the Doctorate is, at London, any time after the LL.M. or Ph.D.; Manchester, 2 yrs. from LL.M. or 4 yrs. from LL.B.; Belfast, 5 yrs. from LL.B. if thesis; Sheffield, 4 yrs. from LL.B. or Ph.D. in Faculty of Law; Birmingham, 5 yrs. from LL.B. or 3 yrs. from LL.M.; Oxford (D.C.L.), 5 yrs. from B.C.L.; Cambridge, 8 yrs. from first Cambridge degree; Bristol, 4 yrs.

from LL.M. ; Liverpool, 5 yrs. from LL.M. ; Leeds, 5 yrs. from LL.B. ; Durh. (D.C.L.), 10 yrs. from B.A. or B.C.L. ; Wales, 10 yrs. from graduation or 3 yrs. from LL.M. or 2 yrs. from Ph.D.; Southampton, 6 yrs. from first degree. At Nottingham the degree is awarded to graduates of the University of 7 yrs.' standing after report on published contributions to learning.

### Degrees in the Faculties of Medicine and Surgery and Cognate Fields

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

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

**M.D. (D.M.,** Oxford). This degree is awarded by all Universities except Nottingham, Reading and Southampton. At each University which awards it (except Birmingham and Bristol) the degree is open (by examination and/or thesis) only to the University's own Bachelors of Medicine and Surgery of, ordinarily, at least 2 yrs.' standing (Cambridge, 8 yrs. from admission to first Cambridge degree ; Leeds, graduates M.B., Ch.B. of 3 yrs.' standing ; Liverpool, graduates M.B., Ch.B. of 2 yrs.' standing may take M.D. by thesis : 5 yrs.' standing is required for M.D. by examination ; London (Pt. II of M.D. examina-

tion), graduates M.B., B.S. of 5 yrs.' standing (Pt. I, 2 yrs.'); Manchester, Aberdeen, Glasgow and St. Andrews, graduates M.B., Ch.B. of 1 yr.'s standing, under certain conditions, otherwise 2 yrs.'; Oxford, 10 yrs. from matriculation; Belfast, graduates M.B., B.Ch. of 3 yrs.' standing (2 yrs. if Belfast B.A. or B.Sc. also held)). At Birmingham the M.D. is open to Birmingham graduates M.B., Ch.B. of 5 yrs.' standing and to graduates in medicine of approved Universities who have been in possession for 5 yrs. of a degree recognized by the General Medical Council for the U.K. and must have been engaged in approved postgraduate study in the University for not less than 2 yrs. At Bristol the M.D. is open to Bristol graduates M.B., Ch.B. of 2 yrs.' standing and to graduates in medicine of approved Universities who have pursued original research in the University for 2 yrs.

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

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

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

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

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

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

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

Degrees in Veterinary Science are awarded by Bristol (**B.V.Sc.**), Liverpool (**B.V.Sc.**; **M.V.Sc.** on B.V.Sc. or equivalent after 2 yrs.'

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

### Degrees in the Faculty of Music

**Mus.B., B.Mus., Mus.Bac.** At Birmingham, Cambridge, Leeds, London, Manchester, Nottingham, Sheffield, Wales, Edinburgh, Glasgow and Belfast students must pass the same Entrance Examination (Matriculation, Previous or Preliminary) as students in Arts. At Birmingham, where the degree is an Honours Degree, they must also have passed the Intermediate Arts Examination with Music as a subject, or be exempted therefrom. They must also pass an examination in execution. At Bristol they must have studied Music as a subject in both parts of the curriculum of the general degree of B.A. At Cambridge the degree is obtainable after honours in the Music Tripos by passing the Mus.B. examn. At Durham students are admitted on passing the Entrance Examination in Music or on exemption therefrom. At 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 intermediate classes in Arts or Science in addition to the Music course. Residence is not obligatory at London or Durham. At Edinburgh students must study Music in the University for one whole winter session. As a rule, the course extends over 3 yrs. with two, or three, examinations, including an exercise for the Final examination. At Bristol there is one examination and the course extends over one year after the General Degree of B.A. Honours in this degree are obtainable at Birmingham, Bristol, London, Manchester, Edinburgh, Glasgow and Wales. At Belfast the degree (B.Mus.) is of Honours standard and is awarded in the Faculty of Arts. At some Universities, first degrees with Honours in Music (*e.g.* Reading, B.A. with Hons. in Music, 4 yrs.) are awarded in the Faculty of Arts.

**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, Glasgow and Belfast (5 yrs.' standing—Birmingham also 3 yrs. from M.Mus.). Cambridge, 8 yrs.' standing from first Cambridge degree, in recognition of distinction as composer. Wales, 10 yrs.' standing or 2 yrs. after M.Mus., on submission of original composition. The doctorate is conferred on graduates of approved Universities by Durham (same conditions as for graduates of the University), Manchester (2 yrs.' study at the University) and Glasgow (3 yrs.' study at the University). The Mus.Doc. may also be conferred, as an Honorary Degree, at Edinburgh.

### Doctor of Philosophy

**Ph.D. (D.Phil.,** Oxford). All the United Kingdom Universities confer this degree. There is no minimum age limit for candidates entering upon a course of advanced study and research for the Ph.D. (except at London, Aberdeen, Edinburgh and Glasgow where 21 is the minimum age) but they must ordinarily be graduates either of the University or of some other approved University ; must have pursued their studies at a University or Universities for a period of at least 3 yrs. (Liverpool—2) ; and must produce evidence of fitness for the proposed course of study and research. The course extends over 2 yrs. at most Universities ; at Cambridge, Reading, Sheffield, Aberdeen, Glasgow and St. Andrews, the prescribed course of study is 3 yrs., which may, under certain conditions, be reduced to 2 yrs. Part-time study is permitted at London. At Sheffield, under certain conditions, part-time research for not less than four yrs. is accepted in Arts and Law. At Nottingham, part-time research for not less than 4 yrs. may be permitted, if substantial laboratory work is not involved. At Southampton and Edinburgh, part-time research for not less than 3 yrs. may be permitted in the case of graduates of the University. At St. Andrews part-time research, subject to conditions in certain cases, may be permitted in the case of graduates of the University. Candidates on completion of research must present thesis and submit to oral examination on thesis. The degree is granted in any Faculty (Bristol : except Law) in which the University is prepared to receive advanced students.

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

### Lambeth Degrees

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

### Adult Education

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

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

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

Membership extends both to corporate bodies and individuals. The bodies eligible for corporate membership are the Universities and University Colleges, the Local Education Authorities, the educational directorates of H.M. Forces, and a wide range of voluntary agencies. Individual membership maintains the tradition of the former British Institute of Adult Education (*see Yearbook* for 1948). The National Institute publishes quarterly *Adult Education* (annual subscription, 10s. 6d.) ; a six-monthly *Calendar of Residential Courses* (price 1s.) ;

a Directory of Organizations entitled *Adult Education in the United Kingdom* (2nd edition, 1952, with 1953 supplement, price 3s. 6d.) ; a *Select Bibliography of Adult Education* (price 12s. 6d.) ; and an annual *Handlist of Studies in Adult Education* (price 2s.).

### 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 four 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 Association of Universities of the British Commonwealth provides the secretariat of the Committee of Vice-Chancellors and Principals. The two organizations have a common office at 5 Gordon Square, London, W.C.1 (*Telegrams and Cables* : Uniburb, Westcent, London ; *Telephone* : Museum 4578-9), the *Secretary* of the Committee being Dr. J. F. Foster. The *Chairman* of the Committee for 1953–54 is Sir Charles R. Morris, M.A., LL.D., Vice-Chancellor of the University of Leeds.

### Parliamentary Representation of Universities

University representation in Parliament dated from 1603, when Oxford and Cambridge were granted by King James I the right to

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

By the Representation of the People Act, 1948, separate University constituencies in the Parliament of the United Kingdom were abolished from the end of the existing Parliament, and accordingly University representation came to an end with the dissolution of February 1950. It still continues, however, in the Parliament of Northern Ireland (*see* p. 638).

[*Information compiled as at* 25/5/53 ; *Staff list revised on* 10/9/53.]

# UNIVERSITY OF BIRMINGHAM *

Founded 1900

*Postal Addresses* :

Registrar, The University, Edgbaston, Birmingham, 15, England.
(*Telephone* : Selly Oak 1181-6.)

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

VISITOR—H.M. THE QUEEN.

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

PRO-CHANCELLOR—SYDNEY VERNON, LL.M.

DEPUTY PRO-CHANCELLOR—W. BYNG KENRICK.

TREASURER—W. H. NEWTON, M.A., F.C.A.

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

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

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

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

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

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

## TEACHING STAFF

*Accounting and Administration*

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

*Anatomy*

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

Lecturers (Anat.)

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

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

Green, S. H., M.B., Ch.B.
Darlington, D., M.B., Ch.B.
Mandl, Anita M., B.Sc. Lond., Ph.D.
Ashton, E. H., B.Sc., Ph.D.
Eayrs, J. T., B.Sc., Ph.D. (Neuro-Anat.).
Boscott, R. J., B.Sc., Ph.D. (Endocrine Chem.).
Aterman, K., M.D. Prague (Biophys.).
5 Temp. Asst. Lectrs.

*Ancient History and Archæology*
Tritsch, F. J., Ph.D. Heidel., M.A. Reader.
Gelling, P. S., M.A. Camb. Lectr.

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

*Biochemistry*, v. Physiol.

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

Lecturers
Rees, W. J., T.D., B.Sc., Ph.D.
Skelding, A. D., B.Sc. Lond.
Hickman, C. J., M.Sc., Ph.D.
Harrold, C. E., B.Sc. Lond., Ph.D. Camb.
Round, F. E., B.Sc.
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*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
Bourne, E. J., Ph.D., D.Sc. (Org. Chem.).
Carter, S. R., D.Sc. (Phys. Chem.).
Pinkard, F. W., M.Sc. Wales (Inorg. Chem.).
Gilbert, G. A., Ph.D. Camb. (High Polymers and Elastomers).
Belcher, R., B.Sc., Ph.D., F.R.I.C. (Analyt. Chem.).

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

I.C.I. Research Fellows
Clarke, D., B.Sc. Lond.
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Barker, S. A., Ph.D.
Bradbury, J. H., M.Sc. Melb.
Foster, A. B., Ph.D.

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Pettit, M. R., B.Sc. Lond., Ph.D.
Watt, I. C., M.Sc. Melb.
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*Classics*

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

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Hooker, G. T. W., M.C., M.A. Lond. (Gk. and Lat.).
Hooker, Edna M., M.A. Lond. (Gk. and Lat.).
Papayannopoulou, Katerina, Diplomatouchos Athens (Colloquial Gk.) Asst.

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

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

Lecturers

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

Research Fellows

Behrend, Hilde, B.Sc. (Econ.) Lond., Ph.D.
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*Commercial Law*

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

*Dentistry*

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

Reader

Hardwick, J. L., Ph.D. Sheff., M.D.S. (D. Surg.).

Lecturers

Tavenner, R. W., B.D.S. (Operative D. Surg.).
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Shovelton, D. S., B.Sc., B.D.S. (Operative D. Surg.).
Wright, T. J., B.D.S. Pt.-time (Operative D. Surg.).
Wheatcroft, J. F., L.D.S. Pt.-time (Operative D. Surg.).
Newman, P. A., L.D.S. Pt.-time (Operative D. Surg.).
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Day, A. J. W., B.D.S., H.D.D. Edin. Pt.-time (Orthod.).
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Whitfield, I. C., Ph.D., B.Sc. Lond. (Phys. for D. Students).
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Day, A. J. W., B.D.S., H.D.D. Edin.
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Clin. Demrs. in D. Surg.
Bate, W. J., L.D.S.
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Demrs. in Operative D. Surg. (Pt.-time)
Dace, A., L.D.S.
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*Economic History*, v. also Hist.
Court, W. H. B., M.A. Camb. and Harv., M.Com. Prof.
Wightman, D. R., B.Sc. (Econ.) Lond. Lectr.
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*Economics*
Walker, G., M.A. Oxon., D.Litt. Dean and Prof.
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Mackintosh, A. S., M.A. Camb. (Econ.) Lectr.

*Economics and Institutions of the U.S.S.R.*
Baykov, A., Ph.D. (Russian Econ. Studies) Reader.
Koutaissoff, Elisabeth, L. ès Ss. Lausanne, B.Litt. Oxon. (Russian Lang.) Lectr.
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*Education*
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Lecturers
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*Electron Physics*

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*Engineering, Chemical*

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

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***Engineering, Civil***

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

Lecturers

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Essery, I. T. S., M.C., M.Sc.
Hill, H. V., M.Sc. Brist.
Palmer, P. J., M.Sc. Lond.
Mackey, R. D., B.Sc. Durh.

*Engineering, Electrical*

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

Lecturers

Jarvis, A. P., M.Sc.
Hudson, J., M.Eng. Liv. (Mining).
Layton, J. M., B.Sc. Lond., B.A. Oxon.
Ward, E. E., B.Sc., Ph.D.
Higham, J. B., B.Sc., Ph.D. Liv.
Henderson, J. C., B.Sc. Durh.
Allanson, J. T., M.Sc. Manc.
Stark, K. H., B.Sc. Brist. Univ. Res. Fellow.

*Engineering, Mechanical*

Mucklow, G. F., D.Sc. Manc., M.Sc. Chance Prof. and Hd. of Dept.
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Lecturers

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

*Engineering Production*

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

Dudley, N. A., B.Sc. Lond. Lectr.
Knowles, Elsie A. G., Ph.D. Jena Lectr.
Grisbrook, H. Lectr.
Seymour, W. D., B.A. Lond. Tube Investments Res. Fellow.
Gilfillan, G., B.Sc. Univ. Res. Fellow.

*English*

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

Lecturers

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

Fellows of Shakespeare Inst.

Sisson, C. J., M.A. Edin., D.Lit. Lond., D. ès L. Dijon Sr. Fellow and Asst. Dir.
Foakes, R. A., M.A., Ph.D.
Brown, J. R., B.A., B.Litt. Oxon.
Honigmann, E., M.A. Glas., B.Litt. Oxon.

*Fine Arts*, v. Art

*French*

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

Lecturers

Milner, J. M., M.A. Leeds.
Homer, N. Rosalind, B.A.
Tillett, Margaret G., M.A. R'dg.
Hathaway, E. J., B.A.
Healey, F. G., M.A.
Hilton, Mrs. Margaret, B.A. Oxon. Temp. Asst. Lectr.
Screech, M. A., B.A. Lond. Asst. Lectr.
Conlon, P. M., M.A. N.Z. Asst. Lectr.

Assts. in Colloquial French

Knowles, Mme Jane.
Argelliez, Simone.
Falgas, Mme Anne.
Pendeux, Mme.

*Genetics*

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

*Geography*

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Lecturers

Thorpe, H., M.A., M.Litt. Durh.
Saward, Beatrice, B.Sc. R'dg.
Warwick, G. T., M.B.E., B.Sc. Brist., Ph.D.
Johnson, B. L. C., B.A. Lond., M.A.
Butland, G. J., B.A., Ph.D.
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*Geology and Mineralogy*

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

Lecturers

Hardie, W. G., B.Sc. Lond., F.G.S.
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Marchant, S., B.A. Camb., F.G.S.
Garrett, P. A., B.Sc., F.G.S.
Griffiths, D. H., M.Sc. Manc., F.G.S. (Geophys.).

Strachan, I., B.Sc. Edin., Ph.D. Camb., F.G.S.
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Lawson, J. D., B.Sc. Manc., F.G.S.
I.C.I. Research Fellow
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*German*

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Lecturers
Thomas, R. H., M.A. Camb., Ph.D.
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Lockwood, W. B., B.A. Manc., M.A. Brist.
Prawer, S. S., M.A. Camb.
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Sander, G. F. R. Lektor.

*History*, v. also Econ. Hist.

Hawgood, J. A., M.A., D.Lit. Lond., Ph.D. Heidel., M.Com. (Mod. Hist. and Govt.) Prof.
Cronne, H. A., M.A. Oxon. and Birm. (Med. H.) Dean Fac. of Arts, Prof.
Styles, P., M.A. Oxon. (Engl. H.) Reader.
Lecturers
Templeman, G., M.A. Lond., B.A.
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Ransome, Mary, M.A. Camb.
Hilton, R. H., D.Phil. Oxon.
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Ferns, H. S., B.A. Manit., M.A. Qu. and Camb., Ph.D. Camb. (Mod. H. & Govt.).
Maddick, H., M.A. Oxon. (Pub. Admin.).
Wightman, D. R., B.Sc. (Econ.) Lond. (Econ. H.).
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Johnson, D. W. J., B.Litt. Oxon.
Lockie, D. McN., M.A. Oxon.
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*Italian*

Whitfield, J. H., M.A. Oxon. and Birm. Serena Prof.
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*Jurisprudence*, v. Law

*Law*

Phillips, O. H., M.A., B.C.L. Oxon., M.A., LL.B. Dub., LL.M. (Jurisprud.) Dean and Dir. of Legal Studies, Barber Prof.
Hargreaves, A. D., M.A., LL.B. Camb. (Law) Barber Prof.
Grove, G. A., LL.M. (Conveyancing & Equity) Prof.
Unger, J., LL.M. Lond. (Internat. L.) Reader.
Camm, W. C., LL.M. (Legal Ethics) Hon. Reader.
Lecturers
Parker, C. F., M.A., LL.B. Camb. (Common L.).
Bate, S. H., LL.B.
Adams, D. S., B.C.L. Oxon., LL.B.
Homer, J. A., B.A., LL.B.
Saxby, C. O., B.A. Oxon., F.C.A. (Trust Accounts, etc.).

*Linguistics*

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*Malting and Brewing and Applied Biochemistry*

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

Rainbow, C., Ph.D.
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*Mathematical Physics*

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

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

*Mathematics, Pure*

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Lecturers

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Kuttner, B., M.A., Ph.D. Camb.
Wardle, K. L., M.A. Camb.
Mulholland, H. P., M.A., Ph.D. Camb.
Shephard, G. C., B.A., Ph.D. Camb. Asst. Lectr.
Rushforth, J. M., Ph.D. Univ. Res. Fellow.

*Medicine*, v. *infra*

*Metallurgy*

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

*Metallurgy, Industrial*

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Research Fellows

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*Metallurgy, Physical and Theoretical*

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

Lecturers

Wright, T., Ph.D., M.Sc. Sheff.
Cahn, R. W., Ph.D. Camb.
Pell-Walpole, W. T., Ph.D., D.Sc.
Glover, S. G., B.Sc.
Pratt, P. L., B.Sc., Ph.D.
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*Mineralogy*, v. Geology

*Mining*

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Lecturers

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Cheetham, W. R., B.Sc. (Coal M.).
Thomas, W. G., B.Sc. Wales (Coal M.).
Eveson, G. F., Ph.D. (Coal Treatment).
..... (Metal M.).
Burrows, B. B. B., M.Sc. (Min. Surveying and M.).

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*Music*

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Lecturers

Pearson, Nina, B.Mus.
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*Philosophy, Mental and Moral*

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

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

*Physical Education*

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

Lecturers

McIntosh, P. C., B.A. Oxon., M.A.
Madders, M. A.
Knapp, Barbara N., M.Com.

Assistant Lecturers

Sanders, Beryl D.
Roberts, Christine D.
Slater, W. J.
Pudenz, H. Temp. Asst. Lectr.

*Physics*

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Lecturers

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Greenlees, G. W., M.A., Ph.D. Camb.
Jeffries, T. O., M.A., D.Phil. Oxon.
Lock, W. O., Ph.D. Brist.
Rolph, P. M., B.Sc. Temp. Lectr.

I.C.I. Research Fellows

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

University Research Fellows

Aughtie, F., Ph.D., M.Sc.
Fuller, E. W., B.Sc., Ph.D.
Hibbard, L. U., B.Sc., B.E. Syd., Ph.D.
Liquier-Milward, Jeanne, D.Sc. Paris, Ph.D.
Riddiford, L., M.Sc., Ph.D.
Symonds, J. L., B.Sc., Ph.D.

*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

Meyerstein, W., M.D. Munich (Physiol.).
Nutt, Marjorie E., B.Sc. Lond., Ph.D. (Physiol.).
Whitfield, I. C., Ph.D., B.Sc. Lond. (Physiol.).
Cort, J. H., M.D. Yale, Ph.D. Camb.

Asher, H. M. F., B.A. Camb. (Physiol.).
Brown, E. A., M.B., B.S. Lond. (Physiol.).
Jackson, D. Mary, B.Sc., Ph.D. (Physiol.).
Hall, Kathleen, Ph.D., B.Sc. Wales (Histol.).
Bray, H. G., Ph.D., B.Sc. (Biochem.).
James, Sybil P., Ph.D., B.Sc. (Biochem.).
White, K., B.Sc. Lond., Ph.D. (Biochem.).
Thomas, G., M.Sc. Manc., F.R.I.C. (Clin. Biochem.) Hon. Pt.-time Lectr.
Manzotti, M., M.D. Milan Asst. Lectr.
Armitage, G. H., M.B., Ch.B. Edin. (App. Physiol.) Pt.-time Tutor.

University Research Fellows

Hilali, S., M.B., B.Ch. Baghdad.
Singh, I. D., M.B., B.S. Panj.

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

*Russian Language and Literature.*

Kiparsky, V., D.Phil. Helsinki Prof.
Arian - Baykov, Inna, D.Phil. Prague Lectr.
Johnson, D. J. L., B.A. Asst. Lectr.

*Social Science and Sociology*

Madge, C., M.A. Prof.
Mitchell, G. D., M.B.E., B.Sc. (Econ.) Lond. (Sociol.) Lectr.
Rich, Doris J., B.Sc. (Econ.) Lond., Ph.D. Res. Fellow.
Reid, Sylvia, M.D. Dub. (Soc. Psychol.) Pt.-time Lectr.

*Social Study*

Madge, C., M.A. Prof. and Dir.
Shenfield, Mrs. Barbara E., B.A. Lectr.
Cavenagh, Mrs. Winifred E., B.Sc. (Econ.), D.P.A. Lond. (Practical Studies) Lectr. and Tutor.
Shapiro, Mrs. Pauline C., M.A. Oxon. (Child Service Course) Lectr. and Tutor
Klein, Joséphine, B.A. Lond., Ph.D. (Social Study) Asst. Lectr.

*Spanish*

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

Lecturers

Atkinson, Dorothy M., M.A. Sheff.
Gibbs, J., B.A., B.Litt., D.Phil. Oxon.
Lora, J. Garcia, M.A.
Burns, Adelaide, M.A. Temp. Pt.-time Asst. Lectr.
Jarero, E. Asst. in Colloquial Spanish.

*Statistics*

Gorman, W. M., B.A. Dub. (Stats. and Econometrics) Lectr.
Walters, A. A., B.Sc. (Econ.) Lond. (Stats.) Lectr.
Melville, Jean, B.Sc. (Stats.) Temp. Asst. Lectr.

*Theology*

Lampe, Rev. G. W. H., M.A., D.D. Oxon. Edward Cadbury Prof.
Davies, Rev. J. G., M.A. Birm. and Oxon., B.D. Oxon. Lectr.

Recognized Lecturers

Anderson, Rev. G. W., M.A. St. And. and Camb.
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.
Smithen, Rev. W. J., M.A., B.D. Camb.
Watson, Rev. P. S., M.A. Durh. and Camb., B.D. Camb.

*Zoology and Comp. Physiology*

Lowenstein, O. E., D.Phil. Mün., D.Sc. Glas., Ph.D.
Mason Prof.
Edney, E. B., Ph.D. Lond., B.Sc. S.A., D.I.C.
(Entomol.) Reader.

Lecturers

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

**Honorary Appointments**

(Faculty of Arts)

Tod, Marcus N., O.B.E., M.A., Hon. Litt.D. Dub., Hon. LL.D. Edin., Hon. D.Litt., F.B.A.
(Hon. Member of Univ. Staff).
Humphreys, K. W., B.Litt., M.A. Oxon. (Palæography)
Hon. Lectr.

**Medicine**

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

Dean :—Prof. A. P. Thomson, M.C., M.D., F.R.C.P.
Sub-Dean and Tutor :—Prof. C. F. V. Smout, M.D., Ch.B.
Director, Board of Graduate Studies :—Emeritus Prof. W. H. Wynn, M.D., B.Sc. Lond., M.Sc., M.B., Ch.B., F.R.C.P.

*Anæsthetics*

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

University Clinical Lecturers

Clarke, L. T., T.D., B.Sc., M.B., Ch.B., F.F.A.R.C.S., D.A.
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.
. . . . . .
Mason, Helen S., M.B., Ch.B., F.F.A.R.C.S., 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.
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.
Bisset, K. A., Ph.D., D.Sc. Edin. (Systematic Bacteriol.)
Reader.

Lecturers

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

Grace, Joyce B., B.Sc. Lectr.
Peeney, A. L. P.
Hon. Pt.-time Lectr.

*Dental Surgery*
Univ. Clinical Lecturers
Walker, R. O., F.D.S.R.C.S.
Pusey, R. F., B.D.S.
Hoggins, G. S.

*Ear, Nose and Throat, Diseases of*
Moffett, A. J., M.B., Ch.B., F.R.C.S.
Lectr. (Pt.-time) and Clin. Lectr.

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

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

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

*Medical Statistics*
Hogben, L., M.A. Camb., D.Sc. Lond., M.Sc., F.R.S. Prof.
Charles, Enid, M.A. Camb., Ph.D. Cape T. (Demogr. and Vital Stats.) Pt.-time Reader.
Waterhouse, J. A. H., M.A. Camb., Ph.D.
(Human Genetics) Lectr.
Padley, R., Ph.D. Edin., B.Com.
Pt.-time Lectr.
Gordon, C. W., M.B., Ch.B. Aberd., D.P.H. Pt.-time Lectr.
Jefferson, Margaret, M.B., Ch.B. Manc. Pt.-time Lectr.
Cross, K. W., B.Sc., Ph.D.
Sr. Statistical Officer.

University Research Fellows
Taylor, W., B.Sc. (Econ.) Lond., Ph.D.
.....

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

Univ. Clin. Lectrs.
Ash, E. B., 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.
Crooke, A. C., M.A., M.D. Camb.
Davison, P., B.Sc., M.D.
Hawkins, C. F., M.D. Lond.
Humphreys, D. R., M.D.
Knight, G. H., M.D., Ch.B. (Venereal Disease).
Malins, J. M., M.B., Ch.B.
Nagley, L., M.D. Leeds.

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

*Neurological Studies*

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

*Obstetrics and Gynæcology*

McLaren, H. C., M.D., Ch.B. Glas., F.R.C.S.Ed., F.R.F.P.S.Glas., F.R.C.O.G. Prof.
Noble, M. J. D., M.B., Ch.B. Edin., F.R.C.S.Ed. First Asst.
Parker, R. B., M.B., Ch.B. Edin. Lectr.
Tait, F. Selby, M.B., Ch.B., F.R.C.S.
Pt.-time Lectr. and Clin. Lectr.
Davidson, S., A.F.C., M.B., Ch.B. Edin., F.R.C.S.Ed., F.R.C.O.G.
Pt.-time Lectr. and Clin. Lectr.

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

Lloyd, Dame Hilda N., D.B.E., LL.D. Leeds, B.Sc., M.B., Ch.B., F.R.C.S., P.R.C.O.G., F.R.F.P.S. Glas.
.....
.....
Dobbie, Beatrice, M.A., M.B., B.Chir. Camb., D.M.R.E. Lond., F.R.C.S.
Dougray, T., M.B., Ch.B. Glas.
Ganner, P. J., B.S. Lond., F.R.C.S.

Hallum, Jean, M.B., Ch.B., D.C.H.
Lester, G. S., M.B., Ch.B., F.R.C.S.Ed.
Maslen-Jones, S. W., M.S. Lond., F.R.C.S., F.R.C.O.G.
MacMillan, K., F.R.C.S., F.R.C.O.G.
Park, L. M., M.B., Ch.B., F.R.C.S.
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. (Pt.-time) and Clin. Lectr.

Univ. Clinical Lecturers

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

*Pædiatrics and Child Health*

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

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

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

*Pathological Studies*

Experimental Pathology

Squire, J. R., M.A. Camb., M.D. Camb and Birm., F.R.C.P. Leith Prof. and Dir. of Div. of Pathol. Studies.
Gell, P. G. H., B.A., M.B., B.Chir. Camb. Reader.
Walton, K., M.D. Lond. Lectr.
Brewer, D. B., M.D., B.S. Lond. Lectr.

University Research Fellows

Bickel, H., Ph.D., M.D. Vienna.
Blainey, J. D., M.D., B.S. Lond.
Bull, J. P., M.A., M.D., B.Chir. Camb.
Cruickshank, C. N. D., M.D., Ch.B. St. And.
Hardwicke, J. M. B., B.S., B.Sc. Lond.
Hinde, Isobel T., M.A., B.Chir. Camb.
Holti, G., M.B., Ch.B. Leeds.
Ricketts, C. R., Ph.D., F.R.I.C.
Rowe, D. S., M.B., Ch.B., B.Sc.

Pathology

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

..... Sr. Lectr.
Taylor, C. W., M.B., Ch.B. Hon. Member of Staff.
Jackson, J. G., M.B., Ch.B. Lectr.
Smith, W. T., M.B., Ch.B. Lectr.
Davis, B. T., M.B., Ch.B. Lectr.
Lannigan, R., M.B., Ch.B. Robert Leith Fellow.
Woodhouse, D. L., Ph.D., M.Sc., F.R.I.C. Reader in Chem. Pathol. (Cancer Res.).
Dyke, S. C., D.M. Oxon., F.R.C.P. Pt.-time Curator of Regional Histological Collection.

University Research Fellows
Hamer, D., Ph.D.
Howell, J. S., M.B., Ch.B.
Marchant, June, B.Sc., Ph.D.
Valteris, K., M.D. Kaunas.

Univ. Clinical Lecturers (Pt.-time)
Baar, H., M.D. Vienna and Birm., Ph.D. Vienna.
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., F.R.C.P. (Pharm.) Prof.
Thomson, A. P., M.C., M.D., F.R.C.P. (Therapeutics) Prof. and Dean Fac. of Med.

Lecturers
Schneider, R., M.D.
Chance, M. R. A., B.Sc. Lond., Ph.D.
Marshall, P. B., B.Pharm., B.Sc., Ph.D. Lond.
Pethica, B.A., B.Sc., Ph.D. Lond. and Camb.
Sammons, H. G., B.Sc., Ph.D.
French, J. M., M.B., B.S. Lond., Ph.D., M.D.

University Research Fellows
Ahmad, Nazeer ud-din, M.B., B.S. Panj., Ph.D.
Daniel, J. W., B.Sc., Ph.D.
El Khalidi, A. I., M.B., Ch.B. Baghdad.
Finean, J. B., B.Sc., Ph.D.
Forbes, O. C., B.Sc., Ph.D.
Hawthorne, J. N., B.Sc., Ph.D.
Kyi, Z. Y., B.Sc., Ph.D.
Morris, Sonia L., B.Pharm. Lond.
Pover, W. F. R., B.Sc., Ph.D.
Ross, Constance A. C., M.D., Ch.B. Glas.
Teale, F. W. J., B.Sc., Ph.D.
Williams, Frances E., M.Sc., Ph.D.
Wood, W. A., B.Sc., Ph.D. Glas.

Pt.-time Demrs. (Pharmacy)
McArdle, C. M.
Marston, A. E., F.C.S.
Speakman, E. G.

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

Univ. Clinical Lecturers
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., D.M.R.E. Camb., F.F.R., F.R.C.P
Teall, C. G., M.D., F.F.R.
Thorpe, E., M.B., Ch.B., D.M.R.E. Camb.
Astley, R., M.B., Ch.B.
Holme, G. M., M.B., Ch.B.
Bishop, J. C., M.C., M.B., Ch.B.
Bond, W. H., M.B., Ch.B., F.R.C.S
Smith, O. E., M.B., Ch.B.
Hutton, J. F. K., M.A., M.B., Ch.B. Glas., F.F.R.

*Social Medicine*

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

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

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

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

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

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

Gibson, J. R., M.B., Ch.B. Glas., Ph.D., D.P.H. (Soc. M.) Lectr.

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

*Surgery*

Stammers, F. A. R., C.B.E., T.D., 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.

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

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

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

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

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

..... (Minor Operative Surg.) Lectr. (Pt.-time).

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

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

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

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

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

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

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

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

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.Chir. Camb., F.R.C.S.

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

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.

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

**Edward Cadbury Lecturer in Theology**

1953–54—Rev. Canon A. M. Farrer, D.D. Oxon., M.A.

**Huxley Lecturer**

1953—Julian Huxley, M.A., D.Sc., F.R.S.

**Ingleby Lecturer**

1953—Stanley A. Way.

**Sir Josiah Mason Lecturer**

1952–53—Prof. W. J. H. Sprott, M.A. Camb.

**Muirhead Lecturer**

(Appointed biennally)

1953–54—(No Lecture).

**Leonard Parsons Lecturer**

(Appointed biennially)

1952–53—Dr. E. A. Park, M.D.

1953–54—(No Lecture).

**Poynting Lecturer**

1953—(No Lecture).

**William Withering Lecturer**

(Appointed biennially)

1953—(No Lecture).

**Institute of Education**

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

Administration

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

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

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

Research Department

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

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

Lecturers

Brearley, Molly, B.A.

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

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

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

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

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

Research Fellows

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

Williams, Myfanwy, Post-grad. Dip. in Psychol., Lond.

Lunzer, E. A., M.A. Oxon.

**Department of Extra-Mural Studies**

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

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

22 other full-time Tutors.

## ADMINISTRATIVE AND OTHER STAFF

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

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

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

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

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

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

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

SHAKESPEARE INST. Sec. to Director: Mrs. Barbara Foakes, B.A.

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

GUILD OF UNDERGRADUATES. Warden (1953–54): Rev. Canon B. S. W. Green, B.D. Pres. (1953–54): D. M. Brittain; Permanent Sec.: R. T. Jones.

WARDENS OF HALLS OF RESIDENCE. Women Students: ..... (University House); Men Students: P. C. Hordern, A.F.C., M.A. Oxon. (Chancellor's Hall); L. G. Wigan, B.A. Oxon., B.Sc. Lond. (Chad Hill).

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

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

## AFFILIATED INSTITUTION

THE CITY OF BIRMINGHAM COMMERCIAL COLLEGE, Suffolk Street, Birmingham, 1. (*Telephone*: Midland 6521.) Principal—A. M. B. Rule, M.B.E., M.A., LL.B. Students may attend classes in the College and pass the examns. 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

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

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

INCOME (1951–52). Endowment, £62,887; Grants from Local Authorities, £48,700; Parliamentary Grants, £858,209; Students' fees, £145,354;

Contributions for Services of Staff, etc., £55,324; Other Income, £4327; Total, £1,174,801.

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

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

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

ADMISSION. *See* Appendix I.

DEGREES. B.A., B.Mus., B.D., M.A., M.Mus., D.Litt., D.Mus., D.D.; B.Sc. (in pure Science; in Engineering—Mech., Civ., Elec., Chemical, Petroleum; in Appl. Biochem.; in Metall.—Phys. and Theoret. and Indust.; in Mining—Coal and Metal); M.Sc., D.Sc.; M.B., Ch.B., B.D.S., M.D., Ch.M., M.D.S.; B.Com., 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., M.Soc.Sc.; LL.B., LL.M., LL.D.; Ph.D. (in any Fac.).

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

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

In the B.Com. courses one-third of the student's time may, if he chooses,

be devoted to work in App. Sci. There is a 4 yrs.' B.Com. course for students entering at Inter. B.Sc. standard, the first 2 yrs. in the Fac. of Science and the remaining 2 yrs. in the Fac. of Commerce.

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

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

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

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

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

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

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

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

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

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

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

FEES. Matricn., £2. Total Inclusive Fees* payable for following Bachelor's Degrees, Diplomas and Certificates: For Bachelor's Degrees, including Intermediate or 1st-Yr. Course—B.A. or B.Mus., £140 : 4s.; B.D. (2 yrs.' graduate course), £58 : 2s.; B.Sc. (Pure Sci.), £120-£132 : 3s.; B.Sc. Appl. Sci. (Engin., Metall., Mining, Chem. Engin.), £235 : 4s.; Appl. Biochem., £167 : 4s.; M.B., Ch.B., £360; B.D.S., £342 : 14s.; B.Com., £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. plus £10 : 10s. if optional course taken; Diploma in Graduate Studies, £71 : 1s.; Diploma in Public Health, including Certif., £68 : 5s., excluding Certif., £46 : 11s.; Certif. in Public Health, £26 : 19s.; Certif. in Educn., 1-yr. course, £44 : 1s.; Diploma in Psychol. of Childhood, £44 : 1s.; Postgraduate Diploma in Educational Psychol., £56 : 1s.; Diploma in Education, £36 : 1s.; Diploma in Theol., £29 : 1s.; Diploma in Malting and Brewing, £138 : 3s.; Postgraduate Diploma in Malting and Brewing, £46 : 1s.; Certif. in Malting and Brewing, £92 : 2s.; Certif. in Malting, £92 : 2s.; Graduate's Commerce Diploma, £35 : 1s.; Diploma in Public Administration, £35 : 1s.; Social Study Diploma (Separate Class Fees); Social Study Certificate, £31 : 1s.; Child Service Certificate, £51 : 1s.; Laboratory Research Fees—these vary according to subjects taken.

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

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

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

1952. 153 permanent appointments, including: Government and quasi-

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

Govt. service, 16; Scientists in industry, 74; Non-Scientists in industry, 51; Teaching, 2; Miscellaneous, 10.

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

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

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

UNIVERSITY HEALTH SERVICE. The purpose of this service, which is administered by a full-time Univ. Medical Officer with one full-time Asst. Medical Officer, and one Dental Officer, is to reassure students about the state of their health, to offer them opportunities for maintaining and improving it, and to help to secure early treatment for any disorders which may occur. All freshmen, excepting those eligible for exemption under the regulns., are required to attend for a routine Medical overhaul and to have a chest X-ray; 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 yr. The consulting rooms are at the Gymnasium, Edgbaston, Birmingham, where ophthalmic treatment under the National Health Scheme is also available. Several beds are maintained for the care of minor illness at the Univ. Sanatorium, 97 Oakfield Rd., Birmingham, 29, where the Dental Surgery is also situated. Students are free to register with a practitioner in the 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 Univ. Bldgs. at Edgbaston, and of the Guild Club at the Univ. Bldg., Edmund St.

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

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

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

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

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

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

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

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

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

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

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

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

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

PUBLICATIONS. (*a*) Annual.—*Calendar* (Oct.), 5s., plus 6d. postage; Faculty and Departmental *Syllabuses* and *pamphlets* (Summer Vac.); *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, 4s. each per set (postage extra), Med. and Commerce, 2s. each per set (postage extra); Law, 1s. 3d. 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 1951–52

SUBSTANTIAL BENEFACTIONS. (Financial yr. ending July 31, 1952): Joseph Lucas Ltd., £57,400*, for Residential Centre for Advanced Studies in Engin. Production; Scribbans-Kemp Ltd., £53,333*, for Shakespeare Inst.; for Fellowships—(*a*) I.C.I. Ltd., £44,800*, (*b*) Joseph Lucas Ltd., £12,600*, (*c*) C. H. Foyle Trust, £300; for Dept. of Electron Phys.—(*a*) G.E.C. Ltd., £14,000*, (*b*) Rubery Owen & Co. Ltd., £14,000*, (*c*) Brooke Tool Manufacturing Co. Ltd., £3500*, (*d*) English Electric Co. Ltd., £250; for Endowment for General Purposes—(*a*) Estate of Sir Chas. Hyde, £6273, (*b*) W. A. Cadbury Trust, £3300, (*c*) Estate of H. C. Cook, £2820, (*d*) Estate of R. F. White, £736, (*e*) Estate of H. L. Heathcote, £650; for res. purposes—(*a*) Wallace & Tierman Ltd., £5500, (*b*) Estate of Miss S. M. Richards, £2250, (*c*) Mrs. G. S. Gething, £250; Coventry Gauge & Tool Co. Ltd., £5285*, for Dept. of Engin. Production; Murex Ltd., £5005*, for Dept. of Metall.; for Scholps.—(*a*) Central Mining & Investment Corp. Ltd., £2800*, (*b*) Cow & Gate Ltd., £1000; Rationalist Press Assocn., £2100*, for Lectureship; Nuffield Provincial Hosps. Trust, £1500, for Chair of Social Med.

NEW BUILDING DEVELOPMENTS. Work proceeded on Stage II of Mech. and Electr. Engin. Labs.; maintenance workshops in Heating Chamber occupied and progress made with installation of boilers and other equipment; "Clarincrete" Hut to provide temp. addl. accomm. for Dept. of Physical Educn. completed and occupied; accomm. for Univ. Med. Officer provided in Gymnasium; Orlit huts completed for use by Dept. of Phys.

NEW DEPARTMENTS AND POSTS. Dept. of Electron Physics; Chair of Thermodynamics (within Dept. of Mech. Engin.); Chair of Conveyancing and Equity; Readerships in Endocrinol., Philos. and Chem. Pathol. (Cancer Res.).

PRINCIPAL CHANGES IN REGULATIONS. Degree of M.Soc.Sc. establd.; combined course in Anat. and Physiol. discontd. as from Oct. 1952 and new Hons. Schools establd. in Med. Scis., viz. (*a*) Anatomical Studies, (*b*) Med. Biochemical Studies, (*c*) Physiological Studies; approval given for combined Hons. course in Geol. and Geog. to be discontd. as from Oct. 1953; title of Honour Sch. of Industrial Fermentation changed to "Honour School of Applied Biochemistry"; graduation fee, payable on admission to a degree, to be increased as from July 1953.

EXTRA-MURAL WORK. The general programme consisted of 450 courses on Arts subjects and 82 on Science. The sixth 6 wks.' Summer Sch. on Shakespeare and Elizabethan Lit. held at Stratford-upon-Avon. Other vac. courses included archæological trg. and excavations at Uriconium, a Music Summer Sch., and study tours to Italy and Austria. An Archæological

Includes future instalments under Deed of Covenant.

Survey of the W. Midlands, undertaken in assocn. with the Dept. of Archæol., contd. Series of concerts organized in various centres in collab. with Arts Council. Residential courses contd. to be held at Attingham Park, Westham House and at Univ. Centre for Continued Studies.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. C. Sadron, Stras., "Macromolecules in Solution"; Prof. J. J. Hermans, Grön., (*a*) "Polyelectrolytes," (*b*) "Size and Shape of Polymer Molecules in Solution," (*c*) "Probability in Science and in Everyday Life"; Prof. A. Henne, Ohio State, "Fluorine Chemistry"; Prof. M. Heidelberger, Col., "Immunochemistry"; Dr. V. Barry, Dub., "Chemotherapy of Tuberculosis"; Dr. C. G. Overberger, Polytechnic Inst. of Brooklyn, New York, "Chemistry of Azo Compounds"; Dr. W. A. Wooster, Camb., "Diffuse X-Ray Reflections in Metals"; Dr. N. Thompson, Brist., "Slow Cycles of Reversed Stress"; Dr. A. R. Verma, R. Holloway Coll., Lond., "Growth Structures in Crystals"; Dr. W. M. Lomer, Camb., "Temperature Dependence of Yield Points"; Dr. E. O. Hall, Camb., "Directional Effects in Strain Ageing"; Prof. B. Chalmers, Tor., "Crystal Growth from the Melt"; Prof. H. Ford, Imp. Coll., Lond., "The Rolling of Metals"; Prof. C. A. Cotton, Victoria U.C., Wellington, "Volcanic Landforms in New Zealand"; Prof. R. Peacock, Manc., "Music and Poetry"; Prof. M. Karpovitch, Harv., "Russian Literature and the Emancipation of the Serfs"; Prof. C. Mowat, Chic., "Beginnings of the British Labour Party"; Prof. G. L. Mosse, Iowa, "Background of the Ideas of the American Revolutionary Leaders"; Prof. R. H. Gabriel, Yale, "The Jeffersonian Period and its significance in American History"; Prof. P. Odegard, Calif., "Growing up in the American West"; J. M. Cameron, Leeds, "Metaphor"; Prof. G. Ryle, Oxford, "Intuitions and Hunches"; Prof. M. Pras, Rome, (*a*) "Dante in England," (*b*) "Petrarch," (*c*) "Shakespeare in Italy," (*d*) "Ariosto and Tasso," (*e*) "George Eliot"; Prof. E. P. Kuhl, Iowa, "Shakespeare and this England"; Prof. J. Dover Wilson, Edin., (*a*) "Shakespeare and Humanity," (*b*) "How Shakespeare wrote his Plays"; Dr. Clifford Leech, Durh., (*a*) "Coriolanus," (*b*) "Jonson" (3 lectures), (*c*) "Shakespeare's Roman Plays" (4 lectures); Prof. K. Muir, Liv., "Hamlet and the Revenge Play" (4 lectures); H. V. D. Dyson, Merton Coll., Oxon., (*a*) "Tragedy and Christianity," (*b*) "Comedy, Tragedy and Shakespeare's last Plays" (4 lectures); Prof. D. J. Gordon, R'dg., "The Tempest"; Prof. A. H. Steinhaus, George Williams Coll., Chic., "Physiology of Exercise"; Prof. T. K. Cureton, Ill., "Somatotyping and Athletics"; Prof. E. D. Churchill, Harv., (*a*) "The Reaction of the Body to Trauma," (*b*) "Diseases of the Thyroid Gland," (*c*) "Disease of the Parathyroid Gland"; Prof. S. S. Kety, Penn., "Some Aspects of the Circulation and Metabolism of the Brain"; Prof. E. D. Churchill, Harv., "Present-day trends in Surgery"; Prof. H. Clarke, Col., "Medical Education in the United States"; Prof. M. Klein, Stras., "The Biological basis of Personality"; Dr. Helen P. Wright, Univ. Coll. Hosp., Lond., "Thrombosis and Embolism"; Prof. H. Selve, Montr., "The general Adaptation Syndrome"; Prof. D. L. Drabkin, Penn., "Aspects of Chromoprotein Metabolism"; Prof. Sir James Learmonth, Edin., "Arteriovenous communications"; Dr. A. Keys, Minn., "Studies on the Cholesterol Problem"; Prof. H. Clarke, Col., "Carboxymethyl Derivatives of Proteins"; Dr. J. Russell Elkinton, Penn., "Electrolytes and Congestive Heart Failure"; Dr. C. Jones, Harv. Med. Sch., "Steatorrhœa: Consideration of certain underlying Mechanisms and of Therapeutic Measures."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. H. W. Melville, (*a*) Louvain, "Recent Advances in Chemical Kinetics" (3 lectures),

(*b*) Tor., "Recent Advances in High Polymer Chemistry"; Prof. M. Stacey, (*a*) Col., "Deoxy Sugars and Nucleic Acids," (*b*) Harv., "Natural Macromolecules," (*c*) Syracuse, "Chemistry and Tuberculosis," (*d*) Belf., "Medical Uses of Carbohydrates," (*e*) Dundee, "Fluorine Compounds"; Prof. J. Sayers, (*a*) Nott., "The Cavity Magnetron and Radar," (*b*) Camb., "Recombination in the Ionosphere"; Prof. A. H. Cottrell, Rand., "Dislocation Theory of Slip" (10 lectures), "Statistical Thermodynamics" (10 lectures), "The Growth of Crystals," "The Strength of Metals" (2 lectures), "Recent Researches on the Physics of Metals at Birm. Univ."; Prof. G. V. Raynor, (*a*) Ill., "The Theory of Ternary Alloys," (*b*) Harv., "Some Aspects of the Theory of Alloy Formation," (*c*) M.I.T., "Cohesion of Alloys, Intermetallic Compounds and Lattice Spacings of Alloys" (3 lectures), (*d*) Johns H., "The Electron in Physical Metallurgy," (*e*) Case Inst. of Technol., "The Electron Theory of Alloys," (*f*) Mellon Inst., "Development of a Theory of Alloys," (*g*) Carnegie Inst. of Technol., "Complex Alloys of Copper, Silver and Gold," (*h*) Tor., "Thermochemistry of Alloys," "Ternary Alloy Formation," "Theory of Magnesium Alloys," "Transitional Metals in Alloys" (4 lectures), (*i*) Penn., "The Theory of Complex Alloy Formation," (*j*) Laval, "The Role of Valency in Alloy Formation," (*k*) McG., "The Physical Nature of Alloy Structures," (*l*) Ill. Inst. of Technol., "The Theory of Alloy Formation" (15 lectures), (*m*) Chic., "The Theory of Alloy Formation" (17 lectures), "Experimental Methods in Physical Metallurgy" (8 lectures); P. Styles, Aberystwyth, "Domestic Architecture of the Welsh Marches"; Prof. J. A. Hawgood, (*a*) Chic., "British Parties in Nineteenth Century," (*b*) Wis., "British Colonial Problems in Africa," "Germany facing East and West," "British Political Parties To-day," (*c*) Iowa, "A British View of the U.S. Political Conventions of 1952," "1848 as the Watershed of Nineteenth Century History," (*d*) Calif., "Europe looks at America: 1952" (3 lectures), (*e*) New Mexico, "British Political Parties and Personalities since the last two General Elections," "Europe looks at America: 1952," (*f*) Maryland, "A British View of the U.S. Election Campaign of 1952," (*g*) Mich., "Germany facing East and West," (*h*) Ohio, Northern, "Is Britain a Democracy?", (*i*) Kentucky, A series of *ad hoc* Lectures and Seminar Discussions integrated with Courses in History and Political Science; Prof. F. Mackenzie, Montpellier, "Sir Walter Scott et le roman historique" (3 lectures), "Lamartine" (2 lectures), "Voltaire et l'Angleterre" (3 lectures), "Diderot et l'Angleterre" (2 lectures), "Ossian et la Littérature Française" (2 lectures); Prof. C. J. Sisson, Univ. Coll., Lond., "The Tragedies of Shakespeare" (8 lectures); Prof. A. Nicoll, Hull, "The Theatre in Art" (4 lectures); Prof. T. Bodkin, Belf., "The Three Graces" (3 lectures); K. J. Garlick, Courtauld Inst. of Art, Lond., "Sir Thomas Lawrence"; Mrs. Mia L. K. Pringle, Univ. Coll. of the South West Inst. of Educn., Exeter, "The Remedial Educational Centre, Univ. of Birm. Institute of Educn."; P. C. McIntosh, Oxon., "Physical Growth in Relation to Physical Educn."; Prof. S. Zuckerman, (*a*) Wales, "Science and Manpower," (*b*) Leeds, "Science, Scientists and History," (*c*) Lond. Hosp. Med. Coll., "The Concept of Humoral Action"; Prof. A. C. Frazer, (*a*) Bologna, "The Study of the Absorption of Fat in Chronic Pancreatitis," (*b*) Makerere Coll., "Medical Research," (*c*) Lond., "Differential Diagnosis of Gastrointestinal Disorders"; Dr. M. R. A. Chance, Oxon., "Biological Background of Human Behaviour"; Dr. J. B. Finean, Karolinsky Inst., Stockholm, "X-Ray Diffraction Studies on Nerve Myelin"; Dr. J. N. Hawthorne, Col., "Excretion of Glutamine in Manic-Depressives"; Dr. B. A. Pethica, Camb., "The Physical Chemistry of Hæmolysis by Surface Active Compounds"; Prof. M. Arnott, (*a*) Massachusetts General Hosp. (Harv. Med.

Sch.), (*b*) Rochester, (*c*) Inst. of Med. Scis., Mayo Foundation, Rochester, (*d*) Minn., (*e*) Grad. Med. Sch., Penn. Univ., "Gaseous Distribution in Lungs during Deep Breathing"; Prof. F. A. R. Stammers, (*a*) Baghdad, "Fluid and Crystalloid Balance in Surgery," (*b*) Khartoum, "Pain in the Arm resulting from Mechanisms in the Costo-clavicular Space," (*c*) Cyprus, "The Less Common Forms of Dyspepsia," "Head Injuries," (*d*) Oxon., "Six Ward Rounds at the Radcliffe Infirmary as Visiting Surgeon"; Mr. B. N. Brooke, (*a*) Ill., "Ulcerative Colitis," (*b*) Univ. Coll. of West Indies, "The Trend of Surgery," (*c*) Bute Medical Soc., St. Andrews, "The History of Blood Transfusion," (*d*) Medical Consilia, Oxon., "Surgery for Ulcerative Colitis"; Prof. J. Elkes, Inst. of Psychiat., Lond., "Pharmacological Method in Psychiatric Research"; Prof. A. P. Thomson, Glas., "Studies in Ageing."

RETIREMENTS. Sir Raymond Priestley (Vice-Chancellor and Principal); Prof. T. Bodkin (Fine Arts, Dir. of Barber Inst.); Prof. T. L. Hardy (Med.); Dr. W. Bonser (Univ. Librarian); R. C. Panton (Civil Engin.); E. C. Cull (Educn.).

RESIGNATIONS. Prof. H. F. Humphreys (Dental Surg., Dir. of Dental Studies), apptd. Vice-Chancellor and Principal of Univ. of Birmingham; Prof. H. F. D. Sparks (Theol.), apptd. to Oriel Chair of Interpretation of Holy Script., Oxf. U.; Dr. D. P. Scales (French), apptd. to Chair of French, Canberra U.C.; L. Kuper (Sociol.), apptd. to Chair of Social Science, Natal U.; J. N. Anderson (Dent.); Dr. P. T. Barrett (Phys.); J. E. Collins (Educn.); R. H. B. Condic (Comm.); Mrs. B. Crowther (Physical Educn.); E. R. Duchesne (Anat.); Dr. G. F. Eveson (Mining); Dr. J. T. Edwards (Chem.); P. S. Green (Bot.); J. J. Hartland Swann (Extra-Mural); W. A. Reybekill (Anat.); Dr. A. J. Swallow (Phys.); W. B. Watson (Mining).

DEATHS. E. P. Beale (former Treasurer and Pro-Chancellor); Sir Harry Vincent (member of Court of Governors and generous donor to Univ.); B. Brooks (former Treasurer Univ. and member of Council); Lt.-Col. G. Deakin (Life Governor); W. E. Barnie-Adshead (Lectr. and Clin. Lectr. in Obstet. and Gynæcol.); Dr. W. Hancock (Lectr. in Mining); Dr. A. Lasnitzki (Sr. Res. Fellow in Biochem.—Cancer Res.); W. Stewart (Lectr. in Educn.).

HONORARY DEGREES. *LL.D.*—Sir Edward Wilshaw, President of Chartered Inst. of Secretaries and Govr. of Cables and Wireless (Holdings) Ltd.; H.E. R. Schuman, French Foreign Minister; Sir David Hughes Parry, Prof. of English Law, Lond. U., and Dean of Fac. of Law, L.S.E. *D.Sc.*—Sir Geoffrey Taylor, Yarrow Res. Prof. of Royal Soc. *D.Litt.*—R. L. Graeme Ritchie, Emer. Prof. of French Lang. and Lit., Birm. U. *M.A.*—F. C. Morgan, former Librarian and Curator of Hereford City Library and Museum; C. A. Roberts, Birmingham Schoolmaster, President of National Union of Teachers, 1952.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 154 | 2496 |
| Women | 450 | 642 |
| Total | 604 | 3138 |

Postgraduate students, 588 (546 full-time; 42 pt.-time).
New (full-time) admissions, 908.
Students (full-time) from other countries, 236 (countries from which

largest numbers came: Persia, 34; Norway, 23; British W. Africa, 19; U.S.A., 19; Egypt, 17; British W. Indies, 15; India, 14).

DEGREES AWARDED. B.A., 189; B.D., 1; B.Mus., 6; M.A., 30; B.Com., 57; M.Com., 1; B.D.S., 5; LL.B., 19; LL.M., 1; M.B., Ch.B., 86; M.D., 4; B.Sc., 315; M.Sc., 25; D.Sc., 4; Ph.D. (all Facs.), 86.

DIPLOMAS AWARDED. Brewing, 1; Dental Surg., 36; Grad. Studies, 12; Malting and Brewing, 5; Malting and Brewing (Postgrad.), 1; Educnl. Psychol., 1; Psychol. of Childhood, 16; Grads. Comm., 6; Soc. Study, 4; Theol., 1.

CERTIFICATES AWARDED. Child Service, 16; Indust. Nursing, 20; Malting, 1; Soc. Study, 1; Malting and Brewing, 1; Educn. (Postgrad.), 120; Educn. (2 yr.), 1; Div. (Supplementary), 5; Local Studies (Supplementary), 4.

[*Information compiled as at 22/5/53 ; Staff list revised on 25/9/53.*]

# UNIVERSITY OF BRISTOL*

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

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

VISITOR—H.M. THE QUEEN.

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

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

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

PRO-VICE-CHANCELLOR—W. E. GARNER, C.B.E., M.Sc. Lond., D.Sc. Birm., F.R.S.

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

TREASURER—H. G. TANNER, J.P.

LIBRARIAN—J. S. COX, M.A. Oxon.

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

BURSAR—C. M. SINGER, B.A. Oxon., J.P.

FINANCE OFFICER—D. C. A. SMITH, M.A.

## TEACHING STAFF

*Agricultural Economics*, v. Economics

*Anatomy*

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

Lecturers

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

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

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

Hudson, G., B.Sc., M.B., Ch.B. Manc.

Demonstrators

.....

Harris, R. S., M.B., Ch.B. Birm.

Byrne, Jean, B.Sc. N.U.I. — Res. Asst.

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

*Aramaic*, v. Oriental Languages

*Botany*, v. also Assoc. Instns., p. 70

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

Lecturers

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

*Chemistry, Organic*, v. also Assoc. Instns., p. 70

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

*Chemistry, Phys. & Inorgan.*

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. (Phys. C.) Reader.
Eley, D. D., M.Sc., Ph.D. Manc. (Biophys.) Reader.
Pollard, F. H., B.Sc., Ph.D. (Inorganic C.) Sr. Lectr.
Maxted, E. B., D.Sc. Lond., Ph.D. Berl. (Catalysis) Sp. Lectr.

Lecturers

Coates, G. E., M.A., B.Sc. Oxon.
Dunning, Mrs. Kathleen W., B.Sc. Lond., Ph.D.
Couper, A., B.Sc., Ph.D.
Seymour, R. C., B.Sc.
Stone, F. S., B.Sc., Ph.D.
Woodward, P., B.Sc., Ph.D.

*Classics*

Kitto, H. D. F., B.A. Camb. (Gk.) H. O. Wills Prof.
Beare, W., M.A. Dub. (Lat.) 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. Lectr.
Warmington, B. H., M.A. Camb. (Anc. Hist.) Asst. Lectr.
1 Sp. Asst.

*Dentistry*, v. *infra*

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

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

*Drama*

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

*Economics*

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

Lecturers

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

Research Fellows

Liepmann, Kate, Ph.D. Lond.

Bracey, H. E., M.Sc., Ph.D. Lond. (Social Studies).

Assistant Lecturers

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

*Economics* (*Agricultural Economics*)

Bristol I Province

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

Research Assistants

Cowie, W. J. G., M.A. Aberd.
Fekete, E. B., LL.D. Budapest.
Harwood, C. W., B.A.
Hewett, L. J., B.A.
Heyworth, D. H., B.Sc. (Econ.) Lond.
McLaren, D., Dip. Pol. and Ec. Sc. Oxon.
Mitchell, G. F. C., B.Sc. (Econ.) Lond.
Radford, M. A., B.Sc. Wales.

Bristol II Province—Newton Abbot

Morris, S. T., M.Sc. Wales Sr. Lectr.
Beynon, V. H., B.Sc. (Agric. Econ.) Wales Lectr.
Luxton, H. W. B., B.Sc. (Agric.) Lond., Dip. Agric. Econ. Oxon. Lectr.

Research Assistants

Balogh, D. G., Sc.P.D. Szeged.
Cole, Helen M., B.Sc. (Econ.) Lond.
Davies, D. C. N., B.A. Wales.
Davies, E. T., B.Sc. (Agric.) Wales.
Davies, G. D. D., B.Sc. (Agric. Econ.) Wales.
Dunford, W. J., B.Sc. (Econ.) Lond.
Gill, A. H., B.Sc. (Econ.) Lond.
Langley, J. A., B.Sc. (Agric.), M.Sc. (Econ.) Lond.
Tyers, K. G., B.Sc. (Agric.) R'dg.

*Education*

Fletcher, B. A., M.A., B.Sc. Lond. Prof.
Wilson, R. C., M.A. Oxon. Prof.

Senior Lecturers

Humphreys, D. W., M.A. Lond.
Pye, Margaret W., B.A., Ph.D. Lond.
Morgan, Gladys M., M.A. Oxon. Sp. Lectr.

Lecturers

Jarman, T. L., M.A., B.Litt. Oxon., A.M. Harv.
Pym, Mrs. Dora O., M.A. Camb.
Sutherland, J. K., B.Sc. (Econ.) Lond.
Hickman, Mrs. Gladys M., M.A., Ph.D. Lond.
James, W. S., M.Sc. Lond.
Vinnicombe, Ellen J., M.A. Camb., B.Sc. Lond.
Michael, I., B.A. Lond.
Brennan, Sheila B., M.A. Oxon.

*Engineering*, v. *infra*

*English*

Knights, L. C., M.A., Ph.D. Camb. Winterstoke Prof.
Tucker, Susie I., M.A. Oxon. Sr. Lectr.

Lecturers

Goldsmith, Margaret E., B.A. Lond.
Cottle, A. B., M.A. Wales.
Gifford, C. H., M.A. Oxon.
Reynolds, A. B., B.A.
Cross, J., M.A.
Browne-Wilkinson, Virginia, B.A. Oxon.
Joseph, B. L., M.A., D.Phil. Oxon.
Preston, J., B.A. Oxon. Asst. Lectr.

*French*

Stewart, W. M., M.A. Dub. Prof.

Warne, F. J., B.A. Lond. Sr. Lectr.
Stéphan, E. M., M.A. Sp. Lectr.
Folkierski, W., Ph.D. Cracow Sp. Lectr.

Lecturers

Gould, S. C., B.Litt., D.Phil. Oxon., B.A.
Mason, Mrs. Germaine M. S., L. ès L. Algiers, M.A.
Morrison, Mary G., M.A. Aberd., Ph.D. Camb.
Mellor, G., M.A. Manc.
Taylor, S. W., B.A.

*Geography*

Jervis, W. W., D.Sc. Durh. Prof.
Walker, F., M.A. Liv. Sr. Lectr.
Kendall, O. D., M.A. Camb. Sp. Lectr.

Lecturers

Hannell, F. G., B.Sc., Ph.D.
Graves, A. M., B.Sc.
Birch, J. W., B.A. R'dg.
Frey, A. E., B.Sc. Asst. Lectr.

*Geology*

Whittard, W. F., D.Sc. Lond., Ph.D. Lond. and Camb. C. Wills Prof.
Phillips, F. C., M.A., Ph.D. Camb. (Petrol.) Reader.
Wallis, F. S., D.Sc., Ph.D. (Sedimentary Petrol.) Sp. Lectr.

Lecturers

Loupekine, I. S., B.Sc., Ph.D.
Simpson, S., M.A. Camb., Dr. rer. nat. Fran.
Donovan, D. T., B.Sc., Ph.D.
Ford, I. H., B.Sc.

*German*

Closs, A. M., M.A., D.Phil. Graz Prof.
Morgan, Mrs. Estelle, M.A., Ph.D. Edin. Lectr.
Goodbody, Margaret, M.A. Lectr.
Radcliffe, S., B.A. Liv. Lectr.
Koselleck, R. F. R., D.Phil. Lektor.

2 Sp. Assts.

*Hebrew*

Frost, Rev. S. B., M.Th. Lond., Ph.D. Marburg Sp. Lectr.

*History*

Douglas, D., M.A. Oxon., F.B.A. Prof.
MacInnes, C. M., M.A. Oxon., LL.D. Dal. (Imperial H.) Dean Fac. of Arts, Prof.
Jones, F. C., Ph.D., M.A. Reader.
Butcher, Emily E., M.A. Sr. Lectr.

Lecturers

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

*Horticultural Science*

Bond, T. E. T., D.Sc. R'dg., Ph.D. Camb. Sr. Lectr.

1 Recognized Teacher.

*Law*

Lewis, M. M., M.A., LL.B. Camb. Dean Fac. of Law, Prof.
Coutts, J. A., M.A., LL.B. Camb. (Jurisprud.) Prof.
Forrest, G. A., M.A. Oxon. Sr. Lectr.
Bain, K. H., LL.B. Lond. Sp. Lectr.

Lecturers

Grodecki, J. K., B.A. Oxon.
Pitt, F. W. C., LL.B.
Barton, M. F., LL.B.

*Mathematics, Applied*

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

Wilkinson, J. W., M.A. Camb. Jr. Fellow.

*Mathematics, Pure*

Heilbronn, H. A., M.A. Camb., Ph.D. Gött., F.R.S. Dean Fac. of Sci., H. O. Wills Prof.

Vint, J., M.A. Belf. Sr. Lectr.

Du Val, P., B.Sc. Lond., Ph.D. Camb. Sr. Lectr.

Lecturers

Davis, C. S., M.Sc., Ph.D. Syd.

Shepherdson, J. C., B.A. Camb.

Thurston, H. A., M.A., Ph.D. Camb.

*Mathematics, Theoretical Mechanics*, 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., M.A. Lectr.

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

*Oriental Languages*

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

*Philosophy*

Körner, S., jur. Dr. Prague, Ph.D. Camb., M.A. Prof.

Carré, M. H., M.A. Oxon. Reader.

Macleod, J. Winifred, M.A. Glas., B.Litt. Oxon. Sp. Lectr.

Kirkham, R. M., M.A. Oxon. Asst. Lectr.

*Physical 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 Gren., F.R.S. H. O. Wills Prof.

Powell, C. F., M.A., Ph.D. Camb., Sc.D. Dublin and Bordeaux, F.R.S. Melville Wills 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.

Thompson, N., B.Sc., Ph.D. Sheff. Sr. Lectr.

Jackson, L. C., M.Sc. Lond., Ph.D. Leiden H. H. Wills Res. Fellow and Lectr.

Burch, C. R., B.A. Camb., Ph.D. Lond., F.R.S. Warren Res. Fellow.

Lecturers

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

Gibbs, D. F., B.Sc. Lond.

Kay, H. F., M.Sc., Ph.D. Manc.

Mendoza, E. B., M.A., Ph.D. Camb.

Fowler, P. H., B.Sc.

Nye, J. F., M.A., Ph.D. Camb.

Devonshire, A. F., M.A., Ph.D. Lectr. and G. A. Wills Res. Assoc.

Keith, H. D., B.Sc. Belf., Ph.D. Asst. Lectr.

Bates, W. J., B.Sc., Ph.D. G. A. Wills Res. Assoc.

Perkins, D. H., B.Sc., Ph.D. Lond. G. A. Wills Res. Assoc.

Davies, J. H., B.Sc. Wales G. A. Wills Res. Assoc.

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

Hingley, Margaret, B.Sc. Res. Asst.

1 Recognized Teacher.

*Physiology*

Brocklehurst, R. J., M.A., D.M., B.Ch. Oxon. Prof.

Wiltshire, Marion O. P., D.Sc. Sr. Lectr.
Ashford, C. A., M.A., Ph.D. Camb. (Chemical P.) Sr. Lectr.

Lecturers

Rogers, A. F., M.D., Ch.B.
Cole, Anne S., B.Sc., Ph.D. Lond.
Grayson, J., M.Sc., M.D., Ch.B. Manc.
Sosnowick, H., B.Sc., M.B., Ch.B. Manc.
Barbour, R. F., M.A. Camb., M.B., Ch.B. Edin., D.P.M., F.R.C.P. (Psychol.).
Bach, S. J., Ph.D. Camb. (Chemical P.).
1 Recognized Teacher.

*Psychology*

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

Lecturers

Bowyer, Laura R., M.A., Ed.B. Glas., B.Sc. (Econ.) Lond.
Hall, K. R. L., M.A., D.Phil. Oxon.
George, F. H., B.A. Camb., Ph.D.
Day, R. H., B.Sc. W.Aust. Res. Fellow.
Earle, A. E., B.A. Camb. Res. Assoc.

*Religious Knowledge*

3 Recognized Teachers.
For teachers for the B.A. in Theol. subjects, v. *infra* Assoc. Instns., p. 71

*Social Work, Theory and Practice of*

Shaw, Lulie A. E., M.A. Oxon. Tutor.
1 Recognized Teacher.

*Syriac*, v. Oriental Languages

*Zoology*

Harris, J. E., M.A., Ph.D. Camb. Prof.
Kitching, J. A., M.A. Camb., Ph.D. Lond. Reader.
Hinton, H. E., B.Sc. Calif., Ph.D. Camb. (Entomol.) Reader.
Jenkin, Penelope M., M.A. Camb. Sr. Lectr.

Lecturers

Sloane, J. F., B.Sc. Glas.
Bassindale, R., M.Sc. Sheff.
Crofton, H. D., B.Sc., Ph.D. Durh. (Parasitol.).
Whiting, H. P., M.A., Ph.D. Camb. (Vert.).
Kaufmann, Ursula, 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., Ph.D. Hd. of Dept., Sr. Lectr.

*Dental Radiology*

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

*Dental Surgery*

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

* (C.) = Clinical Teacher.

Hogbin, F. R., L.D.S. (C.).*
Bakewell, W., L.D.S. (C.).
Lyon, D. G., L.D.S., F.D.S.R.C.S. Lectr.

### 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., Ph.D. 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.S., F.R.Ae.S. Dean Fac. of Engin. and Prof.
Gibbs, E. F., M.Sc., Ph.D. Lond. Sr. Lectr.

Lecturers

Elgood, W. N., B.Sc. St. And.
Cullimore, M. S. G., B.Sc., Ph.D.
Chilver, A. H., B.Sc., Ph.D.
Caldwell, J. B., B.Eng. Liv., Ph.D. Res. Fellow.

*Electrical Engineering*

Rawcliffe, G. H., M.A. Oxon., D.Sc. Aberd. Prof.

Lecturers

Chard, F. de la C., M.Sc. Lond.
Russell, R. L., M.Sc. Leeds.
Billings, A. R., B.Sc. Lond.
Brown, J. E., B.Sc. Durh.

*Mechanical Engineering*

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

Lecturers

Rogers, G. F. C., B.Sc.
Crossland, B., M.Sc. Lond.
Mayhew, Y. R., B.Sc. Lond.
Dickson, A. N., B.Sc. (Eng.) Lond.
Wood, W. G., B.Sc. Leeds Lectr.

*Theoretical Mechanics*

Shepherd, W. M., D.Sc. Lond. (Elasticity) Reader.
Newing, S. T., B.Sc. Lond. Lectr.
Gaydon, F. A., M.Sc. Lond., F.R.Met.S. Lectr.

### 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.
Clutton-Brock, J., M.A., M.B., B.Chir. Camb., F.F.A.R.C.S. 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., F.F.A.R.C.S. (C.).
Moore, R. H., M.B., Ch.B., D.A. (C.).
Gorham, A. P., M.B., Ch.B., D.A., F.F.A.R.C.S. (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.).
Westhead, Pamela, M.B., Ch.B., D.A. (C.)
Steen, T. R., M.A., M.B., B.Chir. Camb., D.A. (C.).
Kirkpatrick, C. R., L.D.S. Edin., D.A. Tutor.
Morgan, O. T. L., M.B., B.S. Lond., D.A. Tutor.
Schooling, Isobel B., M.B., B.S. Lond., D.C.H. Tutor.

* (C.) = Clinical Teacher.

*Bacteriology*, v. Prev. Medicine

*Child Health*

Neale, A. V., M.D. Birm., D.P.H., F.R.C.P. Prof.
Apley, J., M.D., B.S. Lond. Lectr. (C.).*
Corner, Beryl, M.D., Ch.B. Lond., F.R.C.P. Lectr. (C.).
Hinds, S. W., M.D., B.S. Lond. Lectr.
Walker, Sarah C. B., M.D., B.S., D.P.H. Lond. (C.).
Smallwood, A. L., M.B., Ch.B., D.C.H. Liv., D.P.H. (C.).
Laurance, B. M., M.B., B.S. Lond., D.C.H. (Pædiatrics) Tutor.
Ferguson, A. W., B.A., M.B., B.Chir. Camb., D.C.H. Tutor.
James, Brenda, M.B., B.S. Lond., D.C.H. 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.
Hewitt, M., M.B., B.S. Lond. Tutor.

*Forensic Medicine*

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

*Laryng., Rhin. and Otology*

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

*Medicine*, v. also Path., Pharm.

Perry, C. B., M.D., Ch.B., F.R.C.P. Prof.
Cates, J. E., M.D., B.S. Lond. Lectr.
Cosh, J. A., B.A., M.D., B.Chir. Camb. Lectr.
Campbell, A. M. G., D.M. Oxon., F.R.C.P. Lectr.
Davies, D. H., M.D., B.Ch. Wales, F.R.C.P. Lectr.
Naish, J. M., M.A., M.D., B.Chir. Camb. Lectr.
Gale, A. H., B.A., D.M., B.Chir., D.P.H. Camb. (Epid.) Lectr.
Kersley, G. D., M.A., M.D. Camb., F.R.C.P. (Phys. Med.) Lectr.
Pearson, J. E. G., M.A., D.M., B.Ch. Oxon., F.R.C.P. (Pulmonary Dis.) Lectr.
Roberts, J. A. Fraser, M.A. Camb., D.Sc., M.D., Ch.B. Edin., F.R.C.P. (M. Genet.) Sp. Lectr.
Golla, F. L., M.A., B.M., B.Ch. Oxon., F.R.C.P. (Exper. Neurol.) Sp. Lectr.
Birrell, J. A., M.D., B.S. Lond., F.R.C.P. (C.).
Orr-Ewing, H. J., M.D. Lond., F.R.C.P. (C.).
Sparks, J. V., B.A. Camb., D.M.R.E. (Radiodiag.) (C.).
Tovey, G. H., M.D. (Hæmatol.) (C.).
Middlemiss, J. H., M.D., B.S. Durh., D.M.R.D., F.F.R. (Radiodiag.) Lectr.

* (C.) = Clinical Teacher.

Gaskell, K. H., M.A., B.Chir. Camb., D.M.R.D. (Radiodiag.) (C.).*
Owen, R. H., M.B., Ch.B., D.M.R. Lond. (Radiodiag.) (C.).
Wansbrough, T. B., M.B., Ch.B., D.M.R.E. Camb. (Radiodiag.) (C.).
Airth, G. R., M.B., B.S. Durh., D.M.R.D. (Radiodiag.) (C.).
Ross, F. G. M., B.A., M.B., B.Ch. Dub. (Radiodiag.) (C.).
Sutton, G. E. F., M.D. Lond., F.R.C.P. (C.).
Alexander, A. J. P., M.D., B.Ch., B.A.O. Belf. (T.B.) (C.).
Craig, R. A., B.Sc., M.D., B.S. Lond. (T.B.) (C.).
Roberts, A. T. M., M.B., B.S. Lond. (T.B.) (C.).
Macrae, J., M.D., Ch.B. Glas., F.R.F.P.S., D.P.H. (Fevers) (C.).
McKendrick, G. D. W., M.A., B.M., B.Ch. Oxon. (Fevers) (C.).
Stewart, I. McD. G., M.D., B.S. Lond. Tutor.
Gordon, I. R. S., M.D., B.Chir. Camb. (Radiodiag.) Tutor.
Toomey, A. G. G., B.Sc. S.A., D.M.R.D. (Radiodiag.) Tutor.
March, H. F., M.D., B.S. Durh., D.M.R.D. Lond. (Radiodiag.) Tutor.
Copland, W. A., M.B., Ch.B. Aberd., D.M.R.D. (Radiodiag.) Tutor.
Pengelly, C. D. R., M.B., Ch.B. Tutor.
Colson, G. M., M.A., B.M., B.Ch. Oxon. Tutor.
3 Recognized Teachers.

*Neuro-Surgical Unit*, v. also Surg., *infra*
Alexander, G. L., M.B., Ch.B., B.Sc. Edin., F.R.C.S. Surgeon-in-charge (C.).
1 Recognized Teacher.

*Obstetrics and Gynæcology*
Lennon, G. G., M.B., Ch.M. Aberd., F.R.C.O.G. Prof.
Smythe, H. J. D., M.C., M.D., M.S., F.R.C.S., F.R.C.O.G. Lectr.
Redman, T. F., M.B., Ch.B. Manc., F.R.C.S.Ed. Lectr.
Shepherd, H. L., Ch.M., M.B., F.R.C.O.G. Lectr.
MacGregor, W. G., B.M., B.S. Melb., F.R.C.S. Lectr.
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.).
Shields, D. W., M.B., B.S. Lond. Tutor.
1 Recognized Teacher.

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

*Pathology* [Prof.
Hewer, T. F., M.D., F.R.C.P.

* (C.) = Clinical Teacher.

Lecturers

Gillespie, W. A., M.A., M.D. Dub., D.P.H. (Clin. Bacteriol.).
Taylor, A. L., M.D., Ch.B. Leeds (Clin. Pathol.).
McGowan, G. K., B.A., B.M., B.Ch. Oxon. (Chem. Pathol.).
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.
Dodgson, M. C. H., M.D., B.S. Lond.
Norman, R. M., M.D., Ch.B., D.P.M. Lond. (Neuropathol.).
Price, C. H. G., M.D., Ch.B. Res. Fellow.
Bolton, F. G., M.B., Ch.B. Tutor.
Davies, D. F., M.B., Ch.B. Birm. Tutor.
Johnson, D. H., M.D., Ch.B. Tutor.

3 Demrs., 1 Res. Asst.

*Pharmacology and Practical Pharmacy*

Heller, H. S., M.D. Camb., Ph.D. Prague Prof.
Ginsburg, M., B.Sc., Ph.D. Edin. Lectr.
Fitzpatrick, R. J., B.Sc. Lond. Lectr.
Schnieden, H., M.B., Ch.B. Res. Asst.

2 Recognized Teachers in Pract. Pharm.

*Physio-Therapeutics*

Spoor, A. T., M.A. Camb. Lectr.

*Preventive Medicine and Public Health*

Parry, R. H., M.D., B.S. Lond., F.R.C.P., D.P.H. Prof.
Cooper, K. E., B.Sc., Ph.D. Leeds (Bacteriol.) Prof.

Lecturers

Wofinden, R. C., M.D., B.S., D.P.H., D.P.A. Lond.
Cayton, H. R., M.B., Ch.B. (Bacteriol.).
Hinds, S. W., M.D., B.S. Lond.
Herdan, G., M.Sc. Lond., Ph.D. Vienna, LL.D. Prague (Stats.).
Woodman, Dorothy, M.Sc., M.D., B.S. Lond. (Clin. Pathol.).
Lewis, F. J. W., M.B., Ch.B. (Clin. Pathol. and Hæmatol.).
Iland, C. N., M.B., Ch.B. Liv., Ph.D. Birm., D.C.P. Lond. (Bacteriol.).
Whittle, E. G., B.Sc., F.R.I.C. (Chem. of Hygiene).
Dembrey, I., B.Sc., F.R.I.C. (Chem. of Hygiene).
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. (Hospl. Admin.).
Mayr-Harting, Anna, M.D. Prague, Ph.D. (Bacteriol.).
Linton, A. H., M.Sc. (Vet. Bacteriol.).
Peacock, D. B., M.B., Ch.B. (Bacteriol.) Res. Asst.
Clarke, Suzanne K. R., M.B., Ch.B. (Bacteriol.) Demr.

6 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 Deficiency) (C.).

Lyons, J. F., D.P.H., D.P.M. (Mental Deficiency) (C.).

Early, D. F. M., D.P.H., D.P.M. N.U.I. (C.).

Smith, S., M.D., Ch.B. Leeds, D.P.M. Asst. Lectr.

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

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

Turton, E. C., M.A. Oxon., M.B., B.S. Lond., D.P.M. (Electro-encephalography) Tutor.

*Public Health*, v. Preventive Med.

*Surgery*, v. also Neuro-Surg., *supra*

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

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

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

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

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

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

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

Jackman, W. A., M.B., Ch.B., F.R.C.S. Lectr.

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

Pridie, K. H., M.B., Ch.B., F.R.C.S. (Orthop. and Fractures) Lectr.

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

Miller, A., M.A., M.D., B.Chir. Camb., F.R.C.S. (Urol.) Lectr.

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

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

Tudway, R. C., B.Sc., M.B., B.S. Lond., D.M.R., F.F.R. (Radiother.) Lectr.

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

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

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

McCormack, M. P., M.B., Ch.B. Edin., F.R.C.S.Ed. (Orthop.) (C.).

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

Flemming, A. A. G., D.M.R.T. (Radiother.) (C.).

Mitchell, J. P., M.B., B.S. Lond., F.R.C.S. (Urol. Surg.) (C.).

Bourns, H. K., M.B., B.Ch., B.A.O., Dub., F.R.C.S. (C.).

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

Wilson, M. G., M.B., Ch.B. Leeds, F.R.C.S. Tutor.

Baily, R. A. J., M.B., B.Chir. Camb. (Orthop). Tutor.

Chitty, K., B.A., M.B., B.Chir. Camb., F.R.C.S. (Urol.) Tutor.

Goldstein, A. M., M.B., B.S., D.M.R.T. Lond. (Radiother.) Tutor.

Hadfield, G. J., M.B., B.S. Lond., F.R.C.S. Tutor.

* (C.) = Clinical Teacher.

amsay, R., F.R.C.S. Tutor.
Recognized Teachers.

*Venereal Diseases*

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

*Veterinary Science*

lakemore, F., D.V.Sc., D.V.S.M. (Vet. Med.) Prof.
ttaway, C. W., Ph.D. Camb., F.R.C.V.S. (Vet. Anat.) Prof.
esservy, A. (Vet. Surg.) Prof.
arlyle, A., B.A. Camb., B.V.Sc. Liv. (Vet. Physiol.) Sr. Lectr.
aing, J. A., B.Sc. Edin., Ph.D. Camb. (Vet. Med.) Sr. Lectr.

Lecturers

cCrea, M. R. (Animal Husb.).
ribe, D. E., B.Sc.Agric. R'dg., Ph.D. Aberd. (Animal Husb.).
alley, Gwendolen, B.Sc. R'dg., Ph.D. Lond. (Vet. Anat., Embryol.).
ing, A. S., B.Sc. Lond. (Vet. Anat.).
atten, E. H., B.Sc. R'dg. (Vet. Phys., Histol.).
olmes, J. R., B.V.Sc., Ph.D. Liv. (Vet. Med.).
)nes, E. W., Ph.D. Corn. (Vet. Surg.).
evie, Marjorie V. (Vet. Surg.).
)ulsby, E. J. L., D.V.S.M. Edin. (Clin. Parasitol.).
nith, R. N. (Vet. Anat.).
arner, R. J., M.A. Camb., F.R.C.V.S. (Chem. Path.).

**Art Lectures**

)52–53—Cecil Gould; Prof. N. B. L. Pevsner, C.B.E., M.A. Camb., Ph.D. Leipzig, F.S.A.; Prof. E. H. J. Gombrich, M.A. Oxon., Ph.D. Vienna; Sir Kenneth Clark, K.C.B.; L. D. Ettlinger, Ph.D. Marburg.
Subject—*The Art of Leonardo da Vinci.*

1953–54—.....
Subject—*The Art of Illustration in the British Isles from the Middle Ages to the Present Day.*

**Carey Coombs Memorial Lecturer**

1952–53—Prof. G. Hadfield, M.D. Lond., F.R.C.P.
Subject—*Bacterial Hypersensitivity and Rheumatic Carditis.*

**Chatterton Bi-Centenary Lectures**

1952–53—E. H. W. Meyerstein (lecture read); A. B. Cottle, M.A. Wales; Prof. W. M. Stewart, M.A. Dub.

**Long Fox Lecturer**

1953–54—J. A. Fraser Roberts, M.A. Camb., D.Sc., M.D., Ch.B. Edin., F.R.C.P.

**Lewis Fry Memorial Lecturer**

1952–53—Prof. E. R. Dodds, M A. Oxon., D.Litt. Manc., F.B.A.
Subject—*Homer To-day.*

1953–54—Prof. Sir Charles Webster, K.C.M.G., M.A., Litt.D. Camb., P.B.A.
Subject—*The Principles and Methods of British Foreign Policy in the 19th and 20th Centuries.*

**George Hare Leonard Memorial Lecturer**

1952–53 — E. K. Waterhouse, M.B.E., M.A. Oxon., A.M. Prin.
Subject—*The Renaissance and the Birth of Modern Portrait Painting.*

1953–54—Basil Gray, M.A.
Subject—*Persian Painting.*

**Loveday Lecturer**

1952–53—F. Rothschild.
Subject—*The Lost Tradition in Music: Rhythm and Tempo in J. S. Bach's Time.*

1953–54—.....
Subject—*Christian Ethics.*

**Perry Lecturer**

1952–53—L. Wright.
Subject—*Country Houses of the Bristol Region.*
1953–54—.....

**Drama Dept. Rockefeller Lecturer**

1952–53—M. Redgrave, C.B.E.
Subject—*The Actor's Ways and Means.*

**Arthur Skemp Memorial Lecturer**

1952–53—Prof. D. N. Smith, M.A., D.Litt., LL.D., F.B.A.
Subject—*English Studies at our Universities—a Retrospect.*

**Institute of Education**

Fletcher, B. A., B.Sc. Lond., M.A. Dir. and Prof.
Knowlson, H., B.Sc., Ph.D. Leeds Staff Tutor.
Kuenstler, P. H. K., M.A. Oxon. S. Africa Res. Fellow.
Stott, D. H., M.A. Camb., Ph.D. Lond. Res. Fellow.

Lecturers

Berry, Hannah M., B.Sc. Lond.
Bradby, E. L., M.A. Oxon.
Dawson, Alice M., M.A. Birm.
Ellis, C.
Jones, Ethel W., M.A. Lond.
Maxwell, Edith A. M., M.A. Camb.
Milner, D. E., O.B.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 J.
Bowen, Mabel, B.Sc. Liv.
Cranswick, M. E., B.A. Lond.
Horstmann, F. C.
Humphreys, Mary E., B.A. Manc.
May, Dorothy E.
Mumford, Sheila C., B.A., Ph.D. Lond.
Parrott, Winifred V., B.A.
Smith, D. P., B.Sc. Lond.
Symons, Doreen J.

Research Assistant

Sykes, Emily G.

**Training Course for Health Visitors**

8 Recognized Teachers.

**Adult Education**

Salt, W. E., O.B.E., M.A. Sheff., B.Com. Manc. Dir. of Dept. of Adult Educn.
Owen, F. S., B.Sc. (Econ.) Lond. (Services Educn.) Asst. to Dir.
Walthew, F. W., B.A. Camb. Asst. to Dir.

Pt.-time Extra-Mural Lectrs. :
34 members of staff, 93 others.

Resident Tutors

*Bristol*

Hopkins, P. W., B.A. ; Burton, J. C. G., M.A. Camb. ; Cunliffe, G., B.Sc. Manc. (Staff Tutor in Nat. Sci.).

*Gloucestershire*

Taylor, W. R., B.Sc. (Econ.) Lond. ; Tucker, H. F. G., M.A. ; Durham, I. L., M.A. Oxon.

*Somerset*

Cair, S. H., B.Sc. (Econ.) Lond. (Sr. Lectr.) ; Thorne, F. W. P., M.B.E., B.A. ; Hudson, A. K., M.A. Lond.

*Dorset*

Ollett, F. A., M.A. Camb. ; Macey, E. C., M.C., B.A. Lond.

*Wiltshire*

Ross, H., B.A. Lond.; Hare, A., B.A. Lond.; Thomas, J. L., B.A. Lond.; Fraser, P., B.A. Camb.

Staff Tutors for Services Educn.

Aris, R. F., Dr. juris utriusque Jena; Jenkins, H., B.Sc. Wales; .....

## ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE REGISTRAR AND SECRETARY. Asst. Registrars and Secs.: A. Fraser, B.A. Leeds, E. C. Wright, M.A. Oxon. Administrative Asst.: Mrs. Sheila M. Rawcliffe, M.A. Oxon. Examinations Officer: A. J. Davis. Publications Officer: S. L. Crook.

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

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

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

APPOINTMENTS BOARD. Sec.: Elsie M. Briggs, B.Sc., Ph.D. Leeds. Asst. Sec.: C. S. Mortimer, M.A. Camb.

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

ADVISER TO OVERSEAS STUDENTS. P. L. Vining.

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

STUDENT HEALTH. Physician-in-charge: Mrs. Agnes H. Wilkinson, M.B., Ch.B. Birm.; Medical Officer: C. C. Downie, M.B., Ch.B.

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

*Agriculture*

LONG ASHTON RESEARCH STATION (Dept. of Agric. and Hortic.), Long Ashton, Bristol (*Telephone*: Long Ashton 2181). Dir. and Univ. Prof. of *Horticultural Chem.*—T. Wallace, C.B.E., D.Sc. Durh., F.R.S. *Entomol.*—H. G. H. Kearns, B.Sc. Lond., Ph.D. Camb., Reader. With the standing of Sr. Lectrs. in the Univ.: *Biochem.*—A. Pollard, M.Sc. Lond., Ph.D. Manc. *Chem. of Insecticides and Fungicides*—J. T. Martin, D.Sc. *Mycol.*—R. W. Marsh, M.A. Camb. *Pomol.*—L. C. Luckwill, B.Sc., Ph.D. *Organic Chem.*—D. Woodcock, M.Sc., Ph.D. Durh. With the standing of Lectrs. in the Univ.: *Biochem.*—F. W. Beech, B.Sc. Birm. *Chem.*—C. Bould, M.Sc., Ph.D. R'dg.; L. F. Burroughs, B.Sc. *Domestic Food Preservation*—Alice Crang, B.Sc. Lond. *Entomol.*—S. H. Bennett, B.Sc.; A. Stringer, B.Sc. Lond.; N. G. Morgan, B.Sc. *Fruit Products*—Margaret E. Kieser, B.Sc. *Phys. Chem.*—W. D. E. Thomas, B.Sc., Ph.D. Wales. *Plant Physiol.*—E. J. Hewitt, B.Sc., Ph.D. *Pomol.*—E. W. Hobbis, B.Sc. 13 Res. Assts., 1 Recognized Teacher.

AGRICULTURAL RESEARCH COUNCIL UNIT OF PLANT NUTRITION (MICRO-NUTRIENTS), Long Ashton, Bristol (*Telephone*: Long Ashton 2181). With the standing of Lecturers in the Univ.: D. J. D. Nicholas, B.Sc., Ph.D.;

W. Plant, B.Sc. Hort., Ph.D. R'dg.; A. H. Williams, M.A., B.Sc. Oxon. 2 Research Assistants.

*Domestic Science*

GLOUCESTERSHIRE TRAINING COLLEGE OF DOMESTIC SCIENCE, Barrack Square, Gloucester (*Telephone*: Gloucester 20234). For practical course for B.Sc. in Dom. Sci. Principal and Univ. Lectr. in *Dom. Sci.*, M. Burella Taylor, M.A. Camb. 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. Lond.

*Theology*

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

BAPTIST COLLEGE, Woodland Rd., Bristol, 8 (*Telephone*: Bristol 20248). Principal, Rev. L. G. Champion, B.D. Lond., D.Th. Heidel., B.A.

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.

TYNDALE HALL THEOLOGICAL COLLEGE, Clifton, Bristol (*Telephone*: Bristol 33325). Principal, Rev. J. Stafford Wright, M.A. Camb.; Rev. P. E. Hughes, M.A. Cape T., B.D. Lond.; Rev. D. H. Tongue, M.A. Camb.; Rev. A. F. Walls, M.A. Oxon.; Rev. J. W. Wenham, M.A. Camb., B.D. Lond.

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

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

## GENERAL INFORMATION

The Bristol Medical School, founded in 1833, merged in 1893 with the Univ. Coll. which was established in 1876. The College was dissolved and the Univ. received its Charter in 1909. Its main bldgs., which were opened in 1925, occupy a commanding site between the City and the residential districts and cost £500,000; the H. H. Wills Physics Lab., opened in 1927, cost £200,000. The Fac. of Engin. is housed at present in the Municipal College of Technology, but new labs. are being built. Canynge Hall, within easy reach of the Univ., accommodates the Depts. of Preventive Med. and Pathol. The Veterinary Field Station is at Langford, Somerset.

INCOME. Total income during Session 1951–52 was £869,207, of which (approx.) 65 per cent. was Parliamentary Grants, 13 per cent. Fees, 13 per cent. Contributions for Services Rendered, 2 per cent. Endowments, 4 per cent. Grants from Local Authorities and 2 per cent. other items.

LIBRARY. 190,000 vols. (Arts 101,000, Sci. 47,000, Med. 35,000, Law 3000, Inst. of Educn., 4000). Special Collections: British local hist. and records; early English novels; Maria Mercer Phys. Library; Exley Mathematical Library; Worsley Chem. Library (including early works on chem. and alchemy); Wiglesworth Ornithological collection; early medical books, ncluding the Parry Soden collection; works on mineral waters and spas.

LABORATORIES. Scientific, Medical and Engineering, all equipped for purposes of research. Hiatt Baker Botanical Garden. Clinical study is undertaken in the United Bristol Hospls. (comprising the Bristol Royal Hospl., Univ. of Bristol Dental Hospl., the Bristol Royal Hospl. for Sick Children, the Bristol Eye Hospl., the Bristol Maternity Hospl. and the Q. Victoria Jubilee Convalescent Home) and partly in the following hospls. under the control of the S.-W. Regional Hospl. Board—Southmead Hospl., Ham Green Hospl., the Bristol Mental Hospls., Stoke Park Colony and Winsley Sanatorium.

FACULTIES AND DEANS. *Arts*, Prof. C. M. MacInnes (Hist.); *Engineering*, Prof. A. G. Pugsley (Civil E.); *Law*, Prof. M. M. Lewis; *Medicine*, Prof. R. Milnes Walker (Surg.); *Science*, Prof. H. A. Heilbronn (Pure Maths.)

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.A. (Econ.), B.Sc., B.Sc. in Engin., LL.B.—3 yrs., including at least 2 in the Univ.; B.Mus.—1 yr. after General B.A.; Hons. B.Sc. and Hons. B.Sc. in Engin.—4 yrs., except for those who enter with exemption from the Inter. Examn.; B.Sc. in Dom. Sci.—4 yrs., except for those who enter with exemption from the Inter. Examn.; B.Sc. by res.—3 yrs. (2 yrs. in the case of a grad. of another Univ.); M.B., Ch.B.—5 yrs., after passing First examn. in Phys., Chem. and Biol.; B.D.S.—4½ yrs., after passing a First examn. in Phys., Chem. and Biol., including at least 3 in the Univ.; B.V.Sc.—4 yrs., after passing First examn. in Phys., Chem. and Biol., including at least 3 in the Univ.

Instruction given in Theological subjects in the Associated Colls. to undergrads. of the Univ. by the Principal or teachers mentioned above is, for the purpose of the B.A. degree, deemed to be given in and by the Univ.

HIGHER DEGREES. M.A., D.Litt.; D.Mus.; M.Sc., D.Sc. (in Pure Sci. or Engin.); Ch.M., M.D.; LL.M., LL.D.; Ph.D. (*see* p. 24). Grads. of other Univs. are placed practically on the same footing as grads. of Bristol as regards facilities for proceeding to certain of these degrees. Candidates who graduate with Hons. in Sci. may take the M.Sc. one yr. later. Otherwise the Mastership is not granted within 2 yrs. after graduating. The M.D. may be taken 2 yrs. after graduating in Med., the D.Litt. 4 yrs. after the M.A., and the D.Sc. 4 yrs. (3, if devoted to original work in the Univ.) after the M.Sc. The LL.M. 2 yrs., the LL.D. 4 yrs., after graduating.

DIPLOMAS. Education (postgraduate), 1 yr., Public Administration (pt.-time), 2 yrs., Horticultural Science (postgraduate), 15 mos., L.D.S., 4 yrs., Public Health, 9 to 18 mos., Psychological Medicine, 6 mos.

CERTIFICATES. Testamur in Social Study, 2 yrs., Education, 1 yr., Public Health, 1 yr., Testamur in Bacteriology and Microbiology (postgraduate), 1 yr., Midwife Teachers', 9 mos. Certificates in Pomology, in Plant Physiology and in Entomology, 2 terms (postgraduate).

FEES. Inclusive annual fees, B.A., B.A. (Econ.), £41; B.Mus., £46; Testamur in Social Study, £33; Certif. in Educn., £40; Dipl. in Educn., £59; B.Sc., B.Sc. (Dom. Sci.), £48; B.Sc. in Maths., £42; Dip. in Hort. Sci., £44; Certif. in Pomol., Plant Pathol., Entomol., £27; Testamur in Bacteriol. and Microbiol., £20; M.B., Ch.B., £51; B.D.S., £55; B.V.Sc., £52; B.Sc. in Engin., £57; LL.B., £41.

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

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

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 70.) For Women (fees: £120 p.a.): Clifton Hill House, Clifton Hill, Bristol, 8 (*Telephone*: Bristol 36274), 93 students; Manor Hall, Clifton, Bristol, 8 (*Telephone*: Bristol 36604), 195 students. For Men (fees: £125 p.a.): Wills Hall, Stoke Bishop, Bristol, 9 (*Telephone*: Bristol 81544), 275 students; Burwalls, Leigh Woods, Bristol, 8 (*Telephone*: Bristol 36089), 40 students.

UNIVERSITY NAVAL CONTINGENT. C.O.: Commodore F. T. Pollinger, Bristol. Embodied in the Severn Division R.N.V.R., with H.Q. aboard H.M.S. *Flying Fox*. Sea Training is carried out in a Battleship or Aircraft Carrier in the long vac. and in a Motor Minesweeper attached as tender to H.M.S. *Flying Fox* during the session.

UNIVERSITY TRAINING CORPS (T.A.). C.O.: Major 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. C.O.: Squadron Leader P. C. Ellis, 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 2 wks. of the long vac.

The UNIVERSITY UNION is the student body of the Univ. It has facilities for its various clubs and activities at the Victoria Rooms, Bristol, 8. (*Telephone*: Bristol 343831.)

PRINCIPAL STUDENT ATHLETIC FACILITIES. 38½ acres of playing fields at Coombe Dingle, Bristol, 9, comprising rugger, soccer, hockey and cricket pitches, tennis and netball courts, and a running track. Tennis and squash courts at several of the Halls of Residence. 2 Gymnasia in the Students' Union. Rowing at Saltford, 7 miles from Bristol. 2 Lectrs. in Phys. Educn. organize games and athletics. (*See* p. 91.)

INSTITUTE OF EDUCATION (*see also* p. 61.) Founded in 1947 to supervise the training of teachers and youth leaders in the region, and to provide a centre for research. *Associated Institutions*: Univ. Dept. of Educn.; Diocesan Training College, Fishponds, Bristol; West of England College of Art, Bristol; City of Bath Training College; Domestic Science Training College, Bath; City of Bath Academy of Art; St. Paul's Training College, Cheltenham; St. Mary's Training College, Cheltenham; Gloucestershire Training College of Domestic Science, Gloucester; Diocesan Training College, Salisbury; Redland Training College, Bristol.

APPOINTMENTS BOARD. 21 Berkeley Sq., Bristol, 8. *Telephone*: Bristol 24161. For staff *see* "Administrative and other Staff," p. 70. The Bd. exists to facilitate the employment of graduates and other students of the Univ. in the professions and occupations for which their Univ. training fits them. 1951–52: 117 permanent appts., including—Govt. Depts., 11 men, 5 women; Local Govt., Regional Boards, Public Corps., 9 men, 15 women; Commerce and Industry, 61 men, 11 women; Misc., 1 man, 4 women. Vacation work, 168 men, 34 women.

For FORMER STUDENTS there is an Association of Alumni. Sec.—E. G. Beynon, B.Sc., 25 Gloucester Rd., Thornbury, Glos.

ADULT EDUCATION. Organized through Univ. Dept. of Adult Educn. Schemes of co-operation with W.E.A., all Educn. Authorities in Univ. region,

and with Community Council of Gloucestershire. Jt. scheme for Dorset in collab. with Univ. of Southampton; associated with Wilts. in Urchfont Manor Residential College for adults (Tutor seconded to Coll. staff). 3 Resident Tutors organize Univ. activities in each county. 2 Resident Tutors responsible for work in City of Bristol. Staff tutor with responsibility for promotion of studies in Nat. Sci. 3 staff tutors for Army Educn.

VACATION COURSES. A Summer 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., Econ., Biol. 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 3 undergrad. yrs. The examns. are conducted by Medical Officers appointed by the Univ. and are free of cost to students. The Medical Officers are available also for free consultation and advice to students in health matters. The Univ. has provided Woodland House, West Park, Bristol, 8 (*Telephone*: Bristol 37716), near the Union and the main Univ. bldgs., for use as a Health Centre, with facilities for physical training, squash, tennis and fives.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d. post free; Faculty *Prospectuses* issued in July; Annual Report of Council; Handbook and Directory of Adult Education, Halls of Residence, Regns. for Matricn. and for School Certif. Examns. (*Examn. Papers*, 2s. 6d. per set post free); Students' Mag., *Nonesuch*, 1s.; *The Life of a University* by Basil Cottle and J. W. Sherborne (Arrowsmith, 1951), 6s. paper, 10s. 6d. cloth.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Royal Society Paul Fund, £6000, for res. on Schmidt Camera; British Shipbldg. Res. Assoc., £3178, for res. in Engin.; British Empire Cancer Campaign, £3515, and £200 from Lord Mayor's Voluntary Service Fund, for cancer res.; Messrs. G. M. Whiley, Ltd., £1500, for promotion of res.; Sir Halley Stewart Trust, £550, for Photo-electric Quartz Spectrophotometer; Imperial Smelting Corp., £500 p.a. for 7 yrs., for a Fellowship in Chem.; I.C.I. Ltd., £1200, for Dept. of Chem.; Distillers' Co., £500 p.a. for 3 yrs., and Shell Petroleum Co. Ltd., £500 p.a. for 2 yrs., both for res. in Dept. of Chem.; Racecourse Totalisator Charity Trust, £500, for Vet. res.; Dulverton Trust, £42,000, for restoration of Gt. Hall; late E. J. Taylor, £7300; late Miss C. A. Swift, £3000, to help undergraduates in financial difficulties; St. Andrew's Trust, £3000, for Studentships in Neurophysiol. and Psychiatry; Anon., £1462, towards Chair of Psychiatry; late Miss A. E. Hall, £500, for women's Bursary Fund.

NEW BUILDINGS. Main doors of Great Hall replaced and new organ installed as first stage in restoration of Hall. Restoration of Founders' Window begun. New labs., museum and conference room for Vet. Sci. finished at Langford and opened by Minister of Agric. Work continues on Engin. School near main Univ. bldgs. Extra playing-fields acquired. Farm land and small house purchased at Langford.

NEW DEPARTMENTS AND POSTS. Readership (in place of former Lectureship) in Phys. Chem. Sr. Lecturerships: in Law, Phys. (in place of former

Lecturerships), and at Long Ashton Res. Stn. (2). Res Fellowships: in Psychol. (in place of former Lecturership), in Pathol. (in place of Res. Assistantship). Lecturerships: in Educn., Bacteriol., Geol., Vet. Surg., Vet. Bacteriol., Clin. Parasitol. (Vet.), and Animal Husbandry. Asst. Lecturership in Anc. Hist. Jr. Fellowships: in Drama and Vet. Sci. Res. Assistantship in Anat. Res. Associateship in Psychol. Library Supt. Asst. to Dir. in Dept. of Adult Educn. Tutor in Soc. Sci. (full-time in place of part-time). Liaison Officer with N.A.A.S.

PRINCIPAL CHANGES IN REGULATIONS. B.A. (Commerce) discontd. and replaced by B.A. (Economics)—regs. include 3 yrs.' study of French or German. Study of Econ., for Special Degree of B.A., can now be combined with Advanced Econ., Stats., Govt. or Accountancy. Pass at Ordinary level in Maths. is an alternative to a Classical language for entry to this course. Supplementary Cert. in Educn. introduced for qualified teachers. Regs. for Dipl. in Pub. Admin. reviewed with intention of instituting a Higher Dipl. requiring further study. Psychol. accepted by Fac. of Sci. as a main subject in Gen. Sci., a principal subject for Ordinary degree, and an additional subject in an Hons. School. Dipls. in Radiodiag. and Radiotherapy discontd.

ADULT EDUCATION WORK. Organized through Univ. Dept. of Adult Educn.: (1) Univ. Tutorial and Sessional Classes, and shorter courses, in Bristol, Gloucestershire, Somerset, Wiltshire and West Dorset: 52 three-yr. Tutorial Classes; 71 Sessional Classes; 57 Short Sessional Classes; 15 Short Courses. (2) Introductory Short Courses and Lectures organized by Resident Tutors in Bristol and in rural areas throughout Univ. region: 101 Short Courses and 325 Single Lectures. (3) Public Lectures and Advanced Courses: 12 Courses. (4) Summer Schools and Residential Courses: 2 for extra-mural students; 1 for Tutors in Adult Educn.; 1 for Probation Officers; 1 for Colonial Students.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. W. Bargmann, Kiel, "Hypothalamus and Neurohypophysis"; Dr. A. Blalock, Johns Hopkins Hospl., Baltimore, "Cardio-Vascular Surgery"; Prof. J. Lespes, Brussels, "Administrative Justice in Belgium"; Prof. Bonhoeffer, Inst. of Phys. Chem., Gött., "Recent Research in Membrane Potentials," "On the Passivity of Iron," "Inorganic Models of Nervous Activity"; Prof. R. A. Fisher, Camb., "The Combinatorial Mathematics of Genetics"; Prof. C. H. Dodd, formerly of Camb., "The Historical Origins of Christianity."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. C. M. MacInnes, Germany and the Sudan; Prof. A. I. Darling, Dental Schs. in U.S. and Canada; Prof. H. S. Heller, Basle and Mainz; R. S. Milne, Bordeaux; Prof. A. M. Closs, Heidel., Würzburg, Mainz, Technische Hochschule of Stuttgart.

RETIREMENTS. Prof. G. C. Field from Chair of Philos. and Pro-Vice-Chancellorship. Mrs. Field (Soc. Study).

RESIGNATIONS. Prof. D. G. James, apptd. Vice-Chancellor of Southampton U.; Dr. J. S. Baxter (Anat.), apptd. to Chair of Anat. at Welsh Nat. Sch. of Med.; R. L. Brett (Engl.), apptd. to Chair of Engl. Lang. and Lit. at Hull U.C.; Rev. G. H. Davies (Hebrew), apptd. to Chair of Old Testament Theol. at Durham U.; Dr. A. Momigliano (Anc. Hist.), apptd. to Chair of Anc. Hist. at London U.; Dr. W. E. Arnold (Anæsthet.); Dr. R. I. Bodman (Anæsthet.); Dr. N. J. Brown (Pathol.); R. L. Cannell (Elec. Engin.); Miss P. M. Farmer (Anæsthet.); C. D. Graham (Mech. Engin.); M. B. Jawetz (Agric. Econ.); Miss Lorna D. Kendall (Food Preservation); J. B. Kyle

(Orthop. Surg.); Mrs. Nora Luxton (Agric. Econ.); D. McGill (Phys.); Dr. Mary Nagy (Educn.); J. S. Oslizlok (Agric. Econ.); Miss C. Scott (Agric. Econ.); H. S. D. Swan (Hortic.); H. R. E. Wallis (Med. Officer); E. L. Wheelwright (Econ.).

DEATHS. H. Todd (Sr. Lectr. in Maths.); W. S. V. Stock (member of med. staff 1909–35); B. M. N. Perkins (Lectr. in French 1912–33); Eileen Moynagh (Recog. Teacher in Social Aspects of Med.); Mrs. Emily C. Morgan (widow of first Vice-Chancellor of the Univ.); W. R. Straker (member of Council until 1950); E. J. Taylor (benefactor).

HONORARY DEGREES. *D.Mus.*—R. Vaughan Williams. *D.Sc.*—Sir Thomas Dalling; Prof. J. G. Wright. *D.Sc.* in Engin.—Sir Charles Lillicrap; A. E. Russell. *LL.D.*—Sir Stafford Cripps; the Rt. Hon. the Viscount Camrose; the Rt. Hon. J. Chuter Ede; General the Rt. Hon. the Lord Ismay; Sir Philip Morris; Admiral Sir Philip Vian.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 153 | 1773 |
| Women | 111 | 796 |
| Total | 264 | 2569 |

Postgraduate students, 383.

New admissions, 709.

Students (full-time) from other countries, 119. (Countries from which largest numbers came: Egypt, 11; India, 10; British W. Africa, 9; Malayan Union, 9; U.S.A., 10; British E. Africa, 6; Ceylon, 6.)

DEGREES AWARDED. *Arts*: B.A., 241; B.A. (Com.), 8; B.Mus., 1; M.A., 7; Ph.D., 1. *Engineering*: B.Sc. in Engin., 57; M.Sc., 3; Ph.D., 3. *Law*: LL.B., 15. *Medicine*: M.B., Ch.B., 57; B.D.S., 12; M.D.S., 1. *Science*: B.Sc., 172; B.Sc. (Dom. Sci.), 1; M.Sc., 5; Ph.D., 35. Total number of first degrees, 563.

DIPLOMAS AND CERTIFICATES. *Arts*: D.P.A., 14; Testamur in Social Study, 14; Cert. in Educn., 154; Cert. in Youth Service, 2. *Medicine*: L.D.S., 5; D.M.R.D., 3; Midwife Teachers' Cert., 4. *Science*: Dipl. in Hort. Sci., 2; Testamur in Bacteriol. and Microbiol., 1; Cert. in Plant Pathol., 2.

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[*Information compiled as at* 5/6/53 ;
*Staff list revised on* 6/9/53.]

# UNIVERSITY OF CAMBRIDGE*

**Founded in the 12th Century**

*Telephone* (Registry) : Cambridge 54451.

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

VICE-CHANCELLOR—The Rt. Hon. H. U. WILLINK, M.C., Q.C., M.A., Master of Magdalene College.

HIGH STEWARD—The Rt. Hon. the LORD RUFFSIDE, M.A., Hon. LL.D. Trin.

DEPUTY HIGH STEWARD—The Rt. Hon. the LORD WRIGHT, G.C.M.G., M.A., Hon. LL.D. Trin.

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

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

REGISTRARY—R. M. RATTENBURY, M.A. Trin.

SECRETARY GENERAL OF THE FACULTIES—H. M. TAYLOR, M.A., Ph.D. Clare.

LIBRARIAN—H. R. CRESWICK, M.A. Jesus.

TREASURER—A. E. L. PARNIS, B.Sc. (Econ.) Lond.

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

NOTE. The Colleges and Heads of Colleges are given on pp. 95 ff.

## TEACHING STAFF

*Aerial Photography*
St. Joseph, J. K. S., M.A., Ph.D. Selw. Curator.

*Aeronautics*, v. Engineering

*Agriculture*, v. *infra*

*Altaic Languages*, v. Oriental Langs.

*Anatomy*, v. also Zool.
Boyd, J. D., M.D. Belf., M.A. Cla., F.L.S. Prof.

Lecturers
Green, H. L. H. H., M.D. Sid.
Hughes, A. F. W., Sc.D. Selw.
Bull, M. M., M.D. Qu.
Millen, J. W., M.D. Belf., M.A. Cla.
Wright, G. H., M.A., M.B., B.Chir. King's.
Woollam, D. H. M., M.A., M.B., B.Chir. Pet.

Demonstrators
Balankura, K., Ph.D. Fitzw.
Bulmer, D., M.A., M.B., B.Chir. Pet.
Lever, J. D., M.A., M.B., B.Chir. Trin.

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

Monro, P. A. G., M.A., M.B., B.Chir. Joh.
Shute, C. C. D., M.A., M.B., B.Chir. King's.
Pratt, C. W. McE., M.B., Ch.B. Manc.

*Anglo-Saxon, etc.*

Dickins, B., M.A. Corp.
Elrington and Bosworth Prof.

Lecturers

de Navarro, J. M., M.A. Trin.
de Navarro, Mrs. Agnes D. M., Ph.D. Newn.
Blair, P. H., M.A. Emm.
Bromwich, Mrs. Rachel S., M.A. Newn.
Chadwick, Mrs. Nora, M.A. Newn.
(Early Hist. and Culture of British Isles).

*Animal Pathology*, v. Vet Studies

*Anthropology*

Lecturers

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

*Anthropology, Social*

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

*Arabic*, v. Oriental Langs.

*Aramaic*, v. Oriental Langs.

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

Clark, J. G. D., M.A., Ph.D., Sc.D. Pet., F.B.A. Disney Prof.

Lecturers

Burkitt, M. C., M.A. Trin.
Daniel, G. E., M.A., Ph.D. Joh.
Leach, E. R., M.A. Cla.

McBurney, C. B. M., M.A., Ph.D. King's, F.S.A.

*Architecture*

. . . . . Dir. Sch. of Arch.

Lecturers

Bicknell, P., M.A. Jes.
Dyson, W. P., M.A. Trin.
Little, M. E., B.A. Manc.
Roberts, D. W., M.A. Joh.

Assistant Lecturers

. . . . . .
Hardy, A. C

*Art*

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

*Assyriology*, v. Oriental Langs.

*Astronomy and Experimental Philosophy*

Jeffreys, Sir Harold, D.Sc. Durh., M.A. Joh., F.R.S.
Plumian Prof

*Astronomy and Geometry*

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

*Astrophysics*

Redman, R. O., M.A., Ph.D. Joh., F.R.S.
Prof., Dir. Observatories.
Linfoot, E. H., D.Sc. Oxon., Sc.D. Joh.
Asst. Dir. Obs. and John Couch Adams Astronomer.
Blackwell, D. E., M.A., Ph.D. Pemb.
Asst. Dir., Solar Physics Obs.
von Klüber, H., D.Phil. Berl., M.A.
Observer in Solar Magnetism.

Sr. Asst. Observers

Beer, A., Ph.D. Berl., M.A.
Yates, G. G., M.A. Jes.

Jr. Asst. Observers

Dewhirst, D. W., M.A. Chr.
Argue, A. N.

*Biochemistry*

Young, F. G., Ph.D., D.Sc. Lond., M.A. Trin. H., F.R.S., F.R.I.C. Sir W. Dunn Prof.
Needham, N. J. T. M., Sc.D. Cai., F.R.S. Sir W. Dunn Reader
Dixon, M., Sc.D. King's, F.R.S. (Enzyme) Reader.
Gale, E. F., Sc.D. Joh., F.R.S. (Chem. Microbiol.) Reader.

Lecturers

Bell, D. J., Sc.D. Jes.
Greville, G. D., M.A. Emm.
Perry, S. V., Ph.D. Trin.
Webb, E. C., M.A., Ph.D. Cla.
Harrison, K. P., M.A. King's.
Northcote, D. H., M.A. Down.
Bailey, K., Ph.D Trin., F.R.S. Asst. Dir. of Res

Demonstrators

McQuillen, K., M.A , Ph.D Emm
Mitchell, P. D., B.A., Ph.D. Jes.
Smith, G. H., Ph.D Lond.

*Biology*

Wigglesworth, V. B., C.B.E., M.D Cai., F.R.S. Quick Prof.
Tate, P., Ph.D., Sc.D. Chr. (Parasitol.) Reader.

*Botany*, v. also Agric.

Briggs, G. E., D.Sc. Lond., M.A. Joh., F.R.S. Prof.

Readers

Barker, J., M.A., Ph.D. Trin., F.R.S. (Plant Physiol.).
Godwin, H., Sc.D., Ph.D. Cla., F.R.S. (Quaternary Research).
Gilmour, J. S. L., M.A. Cla. Dir. of Botanic Garden.

Lecturers

Watt, A. S., B.A., Ph.D. Down. (Forest Bot.).
Evans, G. C., M.A., Ph.D. Joh. (Plant Physiol.).
Rishbeth, J., M.A., Ph.D. Chr.
Robertson, N. F., M.A. Trin.
Corner, E. J. H., M.A. Sid.
Garrett, S. D., Sc.D. Magd. (Mycol.).
Whitehouse, H. L. K., M.A., Ph.D. Qu.
Sporne, K. R., M.A., Ph.D. Down.

Demonstrators

Frost, L. C., B.A. Emm.
Coombe, D. E., M.A. Chr.
George, E. A., M.A. Down. Curator of Culture Colln of Algae and Protozoa.
Walters, S. M., M.A., Ph.D. Joh. Curator of Herbarium
Whittingham, C. P., B.A., Ph.D. Joh. Sr. Asst. in Res.
Walker, D., M.A. Cla. Sr. Asst. in Quaternary Res.

*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., D.Sc Lond., M.A. Sid., F.R.S. (Inorganic) Prof.
Mann, F. G., D.Sc. Lond., Ph.D., Sc.D. Trin., F.R.S., F.R.I.C. (Organic) Reader.

Lecturers

Kipping, F. B., M.A., Ph.D. Trin.
Maitland, P., Ph.D. Jes.
Palmer, W. G., D.Sc. Lond., Sc.D. Joh.
Saunders, B. C., Sc.D. Magd.
Stockdale, D., M.A., Ph.D., Sc.D. King's, F.R.I.C.
Johnson, A. W., M.A. Chr.
Maddock, A. G., M.A. Cath.
Kenner, G. W., Ph.D. Tr.H.

Demonstrators

Haszeldine, R. N., M.A., Ph.D. Sid.
Harley-Mason, J., M.A. Corp.
Clark, V. M., M.A., Ph.D. Cai.

Sykes, P., Ph.D. Joh.
Sharpe, A. G., M.A., Ph.D. Jes.
Brown, D. M., M.A. King's
Asst. Dir. of Res.

*Chemistry, Physical*

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

*Chemistry, Theoretical*

..... J. H. Plummer Prof.
Boys, S. F., Ph.D. Trin. Lectr.
Hall, G. G., B.Sc. Belf., M.A., Ph.D. Joh. Asst. in Res.

*Chinese*, v. Oriental Langs.

*Classical Archæology*

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

*Classics*

Page, D. L., M.A. Oxon. and Trin. (Gk.) Reg. Prof.
..... Kennedy Prof.
Sandbach, F. H., M.A. Trin. Brereton Reader.
Griffith, G. T., M.A. Cai. (Anc. Hist.) Laurence Reader.
Lucas, D. W., M.A. King's Laurence Reader.

Lecturers

Camps, W. A., M.A. Pemb.
Deas, H. T., M.A. Cai.
Gardner, R., M.C., M.A. Emm.
Hammond, N. G. L., D.S.O., M.A. Cla.
Howland, R. L., M.A. Joh.
Hutchinson, R. W., M.A. Joh.
Kirk, G. S., D.S.C., M.A. Trin. H.
Lee, A. G., M.A. Joh.
Lloyd-Jones, P. H. J., M.A. Oxon. and Jes.
Lucas, D. W., M.A. King's.
Morrison, J. S., M.A. Trin.
Papastavrou, S. J., M.A. Pemb. (Lewis Gibson Lectr. in Mod. Gk.).
Peck, A. L., M.A., Ph.D. Chr.
Raven, J. E., M.A. King's.
Sandbach, F. H., M.A. Trin.
Stubbings, F. H., M.A., Ph.D. Emm.
Wilkinson, L. P., M.A. King's.
Woodhead, A. G., M.A. Corp.

Assistant Lecturers

Chadwick, J., M.A. Corp.
Duke, Alison, M.A. Girton
Trevaskis, J. R., M.A. Qu.
Crook, J. A., M.A. Joh.
Reynolds, Joyce M., M.A. Oxon. and Newn.

*Colloid Science*

Roughton, F. J. W., M.A., Ph.D. Trin., F.R.S. J. H. Plummer Prof.
Schulman, J. H., O.B.E., Sc.D. Trin. H. (Surface Chem.) Reader.
Johnson, P., M.A., Ph.D. Trin. Asst. Dir. of Res.
George, P., M.A., Ph.D. Chr. Asst. Dir. of Res.
Pethica, B. A., B.Sc., Ph.D. Lond. Sr. Asst. in Res.

Gutfreund, H., Ph.D. Fitzw. Asst. in Res.

*Coptic*, v. Oriental Langs.

*Criminal Science*, v. Law

*Czech*

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

*Danish*

Bredsdorff, E. L., M.A. Trin. Lectr.

***Divinity***, v. also Orient. Langs.

Burnaby, Rev. J., B.D. Trin. Reg. Prof.

Moule, Rev. C. F. D., M.A. Cla. Lady Margaret's Prof.

Farmer, Rev. H. H., D.D. Glas., M.A. Pet. Norris-Hulse Prof.

Sykes, Rev. N., M.A. Leeds, M.A., D.Phil. Oxon., M.A. Emm., F.B.A. (Eccles. Hist.) Dixie Prof.

Ratcliff, Rev. E. C., M.A. Oxon. and Joh. Ely Prof.

Lecturers

Ackroyd, P. R., M.A., Ph.D. Trin.

Bezzant, Rev. J. S., M.A., B.D. Oxon., B.D. Joh.

Burnaby, Rev. H., M.A. Emm.

Chadwick, Rev. H., M.A., Mus.B. Qu.

Chadwick, Rev. W. O., B.D. Trin. H.

Hart, Rev. H. St. J., M.A. Qu.

Rupp, E. G., B.D. Fitzw.

Sanders, Rev. J. N., M.A. Pet.

Schofield, Rev. J. N., M.A. Chr.

Stevenson, J., M.A. Down.

Styler, Rev. G. M., M.A. Corp.

Woods, Rev. G. F., M.A. Down.

Assistant Lecturers

French, W. H. C., M.A. Cai.

Robinson, J. A. T., M.A., Ph.D. Cla.

Root, H. E., B.A. Oxon.

Wiard, H. D., B.A. Manc.

*Economic History*, v. History, Economic

*Economics and Politics*

Robertson, Sir Dennis H., C.M.G., M.A. Trin., F.B.A. (Polit. Econ.) Prof.

Robinson, E. A. G., C.M.G., O.B.E., M.A. Sid. (Econ.) Prof.

Kahn, R. F., C.B.E., M.A. King's (Econ.) Prof.

Parsons, T., A.B. Amherst, Ph.D. Heidelberg (Soc. Theory) Prof.

Robinson, Mrs. Joan V., M.A. Girton Reader.

Kaldor, N., B.Sc. Lond., M.A. King's Reader.

Lecturers

Annan, N. G., O.B.E., M.A. King's.

Bauer, P. T., M.A. Cai.

Berrill, K. E., M.A. Cath.

Brown, A. J. Y., M.A. Aberd., M.A.

Cohen, Ruth L., M.A. Newn.

Dennison, S. R., C.B.E., M.A. Cai.

Dobb, M. H., M.A. Trin.

Goodwin, R. M., M.A.

Guillebaud, C. W., C.B.E., M.A. Joh. Girdlers' Lectr.

Hagenbuch, W., M.A. Qu.

Henderson, R. F., M.A., Ph.D. Corp.

Hollond, Mrs. Marjorie, Ph.D. Col., M.A. Girton.

Johnson, H. G., M.A. King's.

Matthews, R. C. O., B.A. Oxon., M.A. Joh.

Prest, A. R., M.A., Ph.D. Chr.

Reddaway, W. B., M.A. Cla.

Rowe, J. W. F., M.C., M.Sc. Lond., M.A. Pemb.

Roy, A. D., M.A. Sid. (Statistics).

Thistlethwaite, F., M.A. Joh.

Silberston, Z. A., M.A. Cath.

Sraffa, P., M.A. Trin. Asst. Dir. of Res. in Econ.

Rostas, L., M.A. Asst. Dir. of Res. in Econ. and Pol.

Assistant Lecturers

Farrell, M. J., B.A. Oxon. and King's.

Marris, R. L., M.A. King's.

*Economics, Applied*

Stone, J. R. N., C.B.E., M.A. King's Dir. of Dept.

*Education*

Owst, G. R., Litt.D. Emm., F.S.A. Prof.

Thouless, R. H., M.A., Ph.D. Corp. (Educ. Psychol.) Reader.

Lecturers

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

Ingram, W. G., B.A. Lond., M.A. Cath.

Wileman, Miss M. A., M.A. Oxon. and Girton.

Departmental Lecturers

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

Gladwell, Constance W. L., Ph.D. Lond., M.A. Newn.

Harries, S. G., M.A. Jes.

Williams, Hilda, M.A. Girton.

*Egyptology*

Glanville, S. R. K., M.B.E., M.A. Oxon., M.A. King's, F.B.A., F.S.A. Herbert Thompson Prof.

*Engineering*, v. *infra*

*English*, v. also Anglo-Saxon

Willey, B., M.A. Pemb., F.B.A., F.R.S.L. (Engl. Lit.) K. Ed. VII. Prof.

Readers

Bennett, H. S., M.A. Emm.

Lucas, F. L., O.B.E., M.A. King's.

Lecturers

Bennett, Mrs. Joan, M.A. Girton.

Bradbrook, Muriel C., M.A., Ph.D. Girton.

Daiches, D., M.A., D.Phil. Oxon., Ph.D. Joh.

Davies, H. S., M.A. Joh.

Henn, T. R., C.B.E., M.A. Cath.

Hodgart, M. J. C., M.A. Pemb.

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., O.B.E., Litt.D. Jes., F.R.S.L.

Welsford, Enid E. H., M.A. Newn.

Assistant Lecturers

Bromwich, J. I., M.A. Joh.

Northam, J. R., M.A., Ph.D. Cla.

Redpath, R. T. H., M.A., Ph.D. Trin.

Stevens, J. E., M.A. Magd.

Zeeman, Mrs. Elizabeth, M.A. Lond. and Newn.

*Entomology*

Thorpe, W. H., Sc.D. Jes., F.R.S. Lectr.

*Enzyme Biochemistry*, v. Biochemistry

*Estate Management*, v. Agric.

*French*

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

Lecturers

Aston, S. C., M.A., Ph D. Cath.

Beves, D. H., M.A. King's.

Charvet, P. E., M.A. Corp.

Combe, T. G. S., M.A. Edin. and Pemb., D. de l'U. Bordeaux.

de Mourgues, Mme Odette M. H. L., Ph.D. Girton.

Fairlie, Alison A. B., Ph.D. Girton.

Ladborough, R. W., M.A., Ph.D. Magd.

Leigh, R. A., B.A. Lond., M.A. Trin.

McFarlane, I. D., M.A. Cai.

Parmée, D., M.A. Qu.

Wallas, May G., M.A., Ph.D. Lond., M.A. Newn.

Assistant Lecturers

Kelly, R., B.A. Leeds, M.A. Trin. H.

Rickard, P., M.A. Oxon., Ph.D. Emm.

Lectors

Carrive, E.

Mane, R.

*Genetics*

Fisher, Sir R. A., Sc.D. Cai., F.R.S. Arthur Balfour Prof.

Owen, A. R. G., M.A., Ph.D. Trin. Lectr.

..... Asst. in Res.

Wallace, Mrs. Margaret E., M.A. Girton Demr.

*Geodesy and Geophysics*

Browne, B. C., M.A. Trin. (Exper. Geophys.) Reader.

Stoneley, R., Sc.D. Pemb., F.R.S. (Theoret Geophys.) Reader.

Jackson, J. E., M.A. Joh. (Geod.) Lectr.

Runcorn, S. K., Ph.D. Manc , M.A. Cai. (Geophys.) Asst. Dir. of Res.

Hill, M. N , M.A., Ph.D. King's Asst. in Res.

*Geography*

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

Lecturers

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

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

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

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

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

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

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

Ovey, C. D., B.Sc. Lond.

Demonstrators

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

Paterson, J. H., M.A. Cath.

Sparks, B. W., M.A. Jes.

Wood, D. J. P., B.A. Fitzw.

Assistant Lecturer

Smith, C. T., M.A. Cath.

*Geology*, v. also Mineral.

King, W. B. R., O.B.E., M.C., Sc.D. Magd., F.R.S. Woodwardian Prof.

Bulman, O. M. B., Ph.D., Sc.D. Sid., F.R.S. (Palæozool.) Reader.

Brighton, A. G., M.A. Chr. Lectr. and Curator of Sedgwick Museum.

Black, M., M.A. Trin. Lectr.

Harland, W. B., M.A. Cai. Lectr.

Hughes, N. F., M.A. Qu. Lectr.

Hey, R W., M.A., Ph.D. Trin. Demr.

*Geophysics*, v. Geodesy and Geophysics

*German*

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

Lecturers

Auty, R., M.A. Selw. (and Czech).

Blackall, E. A., M.A. Cai.

Green, D. H., M.A. Trin.

Jones, T. D., M.A. Jes.

Knight, A. H. J., M.A. Trin.

Stopp, F. J., M.A. Emm.

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

Assistant Lecturers

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

Stern, J. P., M.A., Ph.D. Joh.

Lector

Storck, J. W.

*Hebrew*, v. Oriental Langs.

*History*

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

Lecturers

Behrens, Catherine B. A., M.A. Oxon. and Newn.

Bennett, R. F., M.A. Magd.

Brock, W. R., M.A., Ph.D. Selw.

Bury, J. P. T., M.A. Corp.

Checkland, S. G., M.Com. Birm.
Crawley, C. W., M.A. Trin. H.
Elton, G. R., M.A. Cla.
Evennett, H. O., M.A. Trin.
Fisher, D. J. V., M.A. Jes.
Gallagher, J., M.A. Trin. (Colonial Studies).
Grierson, P., M.A. Cai.
Hall, A. R., M.A., Ph.D. Chr. (Hist. of Science).
Hibbert, A. B., M.A. King's.
Hinsley, F. H., M.A. Joh.
**Kitson Clark, G. S. R., M.A.** Trin.
Laslett, T. P. R., M.A. Joh.
Lindsay, Mrs. Jean O., M.A., Ph.D. Girton.
McDonald, A. H., Ph.D. Cla. (Anc. Hist.).
Miller, E., M.A. Joh.
Morris, G. C., M.A. King's.
Pickthorn, K. W. M., Litt.D. Corp., M.P.
Plumb, J. H., Ph.D. Chr.
Purcell, V. W. W. S., Litt.D. Trin.
Saltmarsh, J., M.A. King's, F.S.A.
Smail, R. C., M.B.E., M.A., Ph.D. Sid.
Thomson, D., M.A., Ph.D. Sid.
Ullmann, W., M.A. Trin.
White, R. J., M.A. Down.
Wilson, C. H., M.A. Jes.
Wormald, Rev. B. H. G., M.A. Pet.

Assistant Lecturers

Brooke, C. N. L., M.A. Cai.
Dickinson, Rev. J. C., M.A. Pemb.
.....
.....
Mack Smith, D., M.A. Pet.
Robinson, R. E., M.A., Ph.D. Joh.
Street, J., M.A., Ph.D. Emm. (Latin-American Studies).

*History, Ancient*, v. also Classics

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

*History and Institutions, American*

Edwards, C. D., M.A. Prof.

*History, Eccl.*, v Div.

*History, Economic*

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

*History, Far Eastern*, v. Oriental Langs.

*History, Imperial and Naval*

Rich, E. E., M.A. Cath. Vere Harmsworth Prof.

*History, Islamic*, v. Oriental Langs.

*History, Mediæval*

Knowles, Rev. M. C., Litt.D. Pet., F.B.A., F.S.A. Prof.

*History, Modern*

Butler, J. R. M., M.V.O., O.B.E., M.A. Trin. Reg. Prof
Butterfield, H., M.A. Pet. Prof.

*History, Near Eastern*, v. Oriental Langs.

*History of the British Commonwealth*

Mansergh, P. N. S., O.B.E., B.Litt., M.A., D.Phil. Oxon. Smuts Prof.

*Indian Studies*, v. Oriental Langs.

***Industrial Relations***

Kirkaldy, H. S., LL.B. Edin., M.A. Qu. Montague Burton Prof.

*Iranian Studies*, v. Oriental Langs.

***Italian***

Vincent, E. R. P., C.B.E., D.Phil. Oxon., M.A. Corp. Prof.
Reynolds, Barbara, B.A., Ph.D. Lond., M.A. Girton Lectr.
Foster, F. S., M.A., Ph.D. Chr. Lectr.
Limentani, U., M.A. Corp. Lectr.

Brand, C. P., M.A., Ph.D. Asst. Lectr.
Roatta, Miss C. Lector.

*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. C. P., M.A., Ph.D. Trin. Asst. Dir. of Res.
Renwick, W., M.A. Sr. Asst. in Res.
Mutch, E. N., B.Sc. Lond., M.A. Tech. Officer.

*Mathematics*, v. also Physics
Dirac, P. A. M., Ph.D. Joh., F.R.S. Lucasian Prof.
Hall, P., M.A. King's, F.R.S. (Pure M.) Sadleirian Prof.
Besicovitch, A. S., D.Sc. Lond., M.A. Trin., F.R.S. Rouse Ball Prof.

Lecturers
Anscombe, F. J., M.A. Trin.
Babbage, D. W., O.B.E., M.A., Ph.D. Magd.
Batchelor, G. K., Ph.D. Trin.
Bondi, H., M.A. Trin.
Buneman, O., Ph.D. Manc., M.A. Pet.
Burkill, J. C., Sc.D. Pet., F.R.S.
Cartwright, Mary L., Sc.D. Girton, F.R.S.
Cassels, J. W. S., Ph.D. Trin.
Daniels, H. E., M.A. Cla.
Domb, C., M.A., Ph.D. Pemb.
Eggleston, H. G., M.A., Ph.D. Trin.
Grimshaw, Margaret E., M.A. Newn.
Hamilton, J., Ph.D. Manc., M.A. Chr.
Hilton, P. J., Ph.D. Pemb.
Hoyle, F., M.A. Joh.
Ingham, A. E., M.A. King's, F.R.S. Cayley Lectr.
Lindley, D. V., M.A. Trin.
Lyttleton, R. A., M.A., Ph.D. Joh.
.....
Pars, L. A., M.A. Jes.
Powell, F. C., M.A., Ph.D. Cai.
Rees, D., M.A. Down.
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., B.A., Ph.D. Emm.
White, F. P., M.A. Joh.
Wylie, S., M.A. Oxon., M.A. Tr. H.

Demonstrator
.....

Assistant Lecturers
Cox, D. R., M.A. Joh.
Taunt, D. R., M.A., Ph.D. Jes.
Proudman, I., Ph.D. Trin.
Lapwood, E. R., M.A., Ph.D. Joh.

*Medicine and Surgery*, v. *infra*

*Metallurgy*
Austin, G. W., M.A. Trin. H. Goldsmiths' Prof.
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. Lectr.
Nutting, J., B.Sc. Leeds, M.A. Tr. H. Demr.

*Mineralogy and Petrology*
Tilley, C. E., Ph.D. Emm., F.R.S. Prof.

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

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

Demonstrators

Douglas, Mrs. Audrey M. B., M.A., Ph.D. Girton.
Gay, P., M.A., Ph.D. Sid.
McLaughlin, R. J. W., Ph.D. Sid.
Muir, I. D., B.A., Ph.D. Joh.
Scoon, J. H., B.Sc. Lond. Asst. in Research.

*Moral Science*, v. Philos

*Music*

Hadley, P. A. S., Mus.D. Cai. Prof.

Lecturers

Dart, R. T., M.A. Jes.
Middleton, H. S., Mus.D. Trin.
Ord, B., M.A., Mus.B. King's, F.R.C.O.
Orr, R. K., Mus.D. Joh.
Radcliffe, P. F., M.A., Mus.B. King's.
Tranchell, P. A., M.A., Mus.B. King's.

*Mycology*, v. Botany, Agric.

*Norwegian*

Popperwell, R. G., M.A., Ph.D. King's Lectr.

*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*

Wisdom, A. J. T. D., M.A. Trin. Prof.

*Philosophy, Ancient*

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

*Philos., Moral*, v. also Psychol.

Braithwaite, R. B., M.A. King's Knightbridge Prof.
Ewing, A. C., Litt.D. Trin. H. Sidgwick Lectr.
Lewy, C., M.A., Ph.D. Trin. Lectr.
Hanson, N. R., M.A. Joh. (Philos. of Science) Lectr.
Thompson, J. F., B.A. Lond. Lectr.

*Philos., Natural*

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

*Physics*, v. also Philos., Nat.

..... (Exper. P.) Cavendish Prof.
Hartree, D. R., M.A., Ph.D. Chr., F.R.S. (Math. P.) J. H. Plummer Prof.
Taylor, W. H., M.A. Trin. (Crystallog.) Reader.
Ratcliffe, J. A., O.B.E., M.A. Sid., F.R.S. Reader.
Shire, E. S., M.A., King's Reader.
Shoenberg, D., B.A., Ph.D. Trin., F.R.S. Reader.

Lecturers

Ashmead, J., M.A., Ph.D. Trin.
Clemmow, P. C., M.A., Ph.D. Tr. H. (Theoret. Electro-Dynam. and Radio).
Cochran, W., M.A. Tr. H.
Cosslett, V. E., M.A. Oxon., Ph.D. Brist., M.A. Pemb.
French, A. P., M.A., Ph.D. Pemb.
Horton, Mrs. Ann C., D.Sc. Lond., M.A. Newn.
Kempton, A. E., M.A., Ph.D. Chr.
Pippard, A. B., M.A., Ph.D. Cla.
Ryle, M., M.A. Trin., F.R.S.
Scott, J. M. C., M.A. King's (Theoret. Phys.).
Budden, K. G., M.A., Ph.D. Joh.

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

Assistant Directors of Research

Megaw, Helen D., M.A., Ph.D. Girton (Crystallog.).
Townsend, A. A., Ph.D. Emm. (Exp. Fluid Mech.).
Weekes, K., M.A., Ph.D. Magd. (Radiophys.).

Demonstrators

Briggs, B. H., M.A., Ph.D. Cla.
Findlay, J. W., M.A., Ph.D. Qu.
Faber, T. E., M.A., Ph.D. Trin.
Smith, K. F., M.A., Ph.D. Sid.
Pierce, E. T., Ph.D. Cai. (Meteorol., Phys.) Sr. Asst. in Res.
Bradfield, J. R. G., M.A., Ph.D. Trin. (Electron Microscopy) Asst. in Res.
Thomas, J. O., B.Sc. Wales (Radiophysics) Asst. in Res.
Scarrott, G. G. Tech. Officer.

*Physiology*, v. also Agric.

Matthews, Sir B. H. C., C.B.E., Sc.D. King's, F.R.S. Prof.

Readers

Adair, G. S., M.A. King's, F.R.S. (Biophys.).
Willmer, E. N., Sc.D. Cla. (Histol.).

Lecturers

Keynes, R. D., M.A., Ph.D. Pet.
Campbell, F. W., Ph.D., M.B., Ch.B. Glas.
Rushton, W. A. H., Ph.D., Sc.D. Trin., F.R.S.
Pratt, C. L. G., O.B.E., M.D. Liv., M.A. Chr. (Mammalian P.).
Tunnicliffe, H. E., M.A. Cai.
Huxley, A. F., M.A. Trin. Asst. Dir. of Res.
Hammond, J., M.A. Chr. Demr.
Lewis, P. R., B.A. Oxon., M.A. Demr.
Barlow, H. B., M.A., M.B., B.Chir. Trin. Demr.
Winfield, R. H., M.A., M.B., B.Chir. Joh. Demr.

*Polish*

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

*Political Science*

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

*Portuguese*

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.

Zangwill, O. L., M.A. Oxon. and King's Prof.
Grindley, G. C., B.Sc. Brist., M.A. Lectr.
Welford, Rev. A. T., M.A. Joh. Lectr.
Gregory, R. L., M.A. Down. Demr.

*Psychology, Industrial*

Chambers, E. G., M.A. Cla. Asst. Dir. of Res.

*Quaternary Research*, v. Botany

*Rabbinics*, v. Oriental Langs.

*Radiochemistry*, v. Chemistry

*Radiophysics*, v. Physics

*Radiotherapeutics*, v. Medicine

*Sanskrit*, v. Oriental Langs.

*Scandinavian Studies*

Downs, B. W., M.A. Chr. Prof.

*Slavonic Studies*

Hill, Elizabeth M., Ph.D. Lond., M.A. Girton Prof.
Auty, R., M.A. Selw. (German and Czech) Lectr.
Sands, E. R., M.A. Emm. Lectr.

Young, W. I. H. S., M.A. Magd. Lectr.
Squire, P. S., M.A. Chr. Lectr.
Andreyev, N., Ph.D. Prague, M.A. Asst. Lectr.

*Soil Physics*, v. Agric.

*Spanish*

Wilson, E. M., M.A., Ph.D. Emm. 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.
Batista i Roca, J. M. Asst. Lectr.

*Statistics*

Wishart, J., M.A. Cla. and Edin., D.Sc. Lond.
Reader, Dir. of Statistical Lab.

*Swedish*

Mortensen, Brita M. E., M.A. Newn. Lectr.

*Theology*, v. Divinity

*Tibetan*, v. Oriental Langs.

*Veterinary Medicine*, v. Veterinary Studies, *infra*

*Zoology*, v. also Animal Path., Entom.

Gray, Sir J., C.B.E., M.C., D.Sc. Aberd., Sc.D. King's, F.R.S.
Prof. of Zool. and Dir. Sub-Dept. of Exper. Zool.
Pantin, C. F. A., M.A., Sc.D. Trin., F.R.S. (Invertebrate Z.) Reader.

Lecturers

Carter, G. S., M.A., Ph.D. Corp.
Cott, H. B., D.Sc. Glas., Sc.D. Selw., also Curator of Vertebrates and Strickland Curator, Museum of Zool.
Hollick, F. S. J., M.A., Ph.D. Joh.
Parrington, F. R., M.A. Sid., also Dir. of Museum of Zool.
Pringle, J. W. S., M.B.E., M.A. Pet.
Pryor, M. G. M., M.A., Ph.D. Trin.
Ramsay, J. A., M.A., Ph.D. Qu. Harding Lectr.
Salt, G., B.Sc. Alta., Sc.D. Harv., Sc.D. King's.
Smart, J., D.Sc. Edin., M.A. Cai., also Curator of Insects, Museum of Zool.
Smith, S., M.A., Ph.D. Cath.

Asst. Directors of Research

Brown, R. H. J., M.A., Ph.D. King's.
Lissmann, H. W., M.A. Hamburg, M.A.
Picken, L. E. R., Sc.D. Jes.
Rothschild, Lord, G.M., Sc.D. Trin., F.R.S.

Demonstrators

Goodhart, C. B., M.A. Cai., also Asst. Curator of Museum of Zool.
Hughes, G. M., M.A., Ph.D. Magd.
Parry, D. A., M.A., Ph.D. King's.
Bainbridge, R., Ph.D. Lond.

**Agriculture**

**v. also Biology**

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

Lecturers

Brookes, A. J., M.A. Selw.
Dickinson, S., M.Sc. Wales, Ph.D. Minn., M.A. Emm. (Mycol.).
Evans, R. E., Ph.D. Cai.
Halnan, E. T., M.A. Trin.
Barker, M. G., M.A. Trin.
(Agric. Implements and Machin.)

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

Demonstrators

Arnold, P. W., B.Sc. Wales, M.A.
Baldwin, G. G., M.A. Chr.
Colling, A. W., B.Sc. Durh., M.A.
Collis-George, N., Ph.D. Fitzw.
Gilmour, D. G., M.A., Ph.D. Cath.
Halley, R. J., B.Sc. R'dg.
Ridgman, W. J., M.A. Qu.
Whitear, J. D., B.Sc. R'dg.
Lazenby, A., M.Sc. Wales.
Sturrock, F. G., B.Sc. Glas. Assoc. Lectr.

*Agric. Econ. and History*

Whetham, Edith H., M.A. Newn. Gilbey Lectr.

*Agric. Engineering*

Palmer, J. A., M.Sc. Durh. Asst. in Res.

*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.

*Animal Physiology*

Kirkham, K. E., B.Sc. Birm., M.A. Fitzw. Asst. in Res.

*Crop Husbandry*

Hanley, F., M.A. Joh. Reader.

*Estate Management*

Dean, N., M.A. Trin. H. Dir.

Lecturers

Denman, D. R., Ph.D. Lond., M.A. Chr.
Elgar, W. H., M.Eng. Sheff., M.A. Down.
Miles, C. W. N., M.A. Jes.
Macintyre, D., M.A. Trin.
Switzer, J. F. Q., M.A. Sid. Asst. Lectr.
McLeod, D. A. G., M.A. Cath. Asst. Lectr.

*Forestry*

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

*Soil Microbiology*

Tribe, H. T., B.Sc. Lond. Asst. in Res.

*Soil Physics*

Childs, E. C., Sc.D. Cla. Asst. Dir. of Res.

*Soil Science*

Nicholson, H. H., M.A. Selw. Reader.
Perrin, R. M. S., B.A. King's Sr. Asst. in Res.

**Engineering**

Baker, J. F., O.B.E., D.Sc. Leeds and Wales, Sc.D. Cla. (Mechanical Sciences) Prof. and Hd. of Dept. of Engin.
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Smith, C. L., M.A., Ph.D. Sid.
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## GENERAL INFORMATION

The University of Cambridge may be said to have originated in the 12th century and before the beginning of the 13th it was almost certainly a recognized centre of study. It is a common law corporation, being a corporation by prescription consisting of a Chancellor, Masters and Scholars, who from time out of mind have had the government of their members and enjoyed the privileges of such a corporation; but its incorporation has been confirmed by statute. In 1318 Cambridge received from Pope John XXII formal recognition as a *studium generale* or *universitas*. In 1571 by Act of Parliament 13 Elizabeth, Cap. 29, *An Acte for Thincorporation of bothe Thunyversities*, the incorporation of the Univ. and all privileges then held under Charter or by prescription were confirmed.

The legislative and executive authority of the Univ. is vested in the REGENT HOUSE, which consists of those members of the Senate who are engaged in the teaching and administrative work of the Univ. Certain formal functions, and a right of appeal from the Regent House, are reserved to the Senate, which consists of Doctors, Masters and B.D.s.

Changes of statute can be made by the Univ. with the approval of the Privy Council.

Many executive duties, and the duty of sanctioning the submission of resolutions (called *Graces*) to the Regent House and the Senate, are entrusted to the *Council of the Senate*, which is elected by the Regent House.

The titular presiding officer at a Congregation, and the Chairman of the

Council, is the Chancellor, who is by custom a non-resident distinguished in public life. His duties are in fact performed by the Vice-Chancellor, who is a Head of a College, appointed annually, in theory by the Regent House, in practice by the Council. It is customary for the Vice-Chancellorship not to be held for more than two years in succession by one person.

There are numerous *Boards* and *Syndicates* for dealing with the various branches of University business: the most important of them are the *General Board of the Faculties*, whose duty it is to advise the Univ. as to educational policy and to supervise and co-ordinate the work of the Faculties, and the *Financial Board*, whose duty it is to supervise the financial affairs of the Univ.

There are twenty Faculties: a Faculty being a body of persons furthering the study of a subject or group of subjects. The organization of teaching, research and examinations in the various subjects is in the hands of the several Faculty Boards, subject to the control of the General Board. A Faculty Board is in part composed of members elected by the Faculty. Some of the Faculties are divided into Departments, each under a Head, generally a Professor, who is responsible under the Faculty Board for its management. There are also some Departments independent of any Faculty.

The INCOME of the Univ. is derived from the endowments of specific posts, from general endowment (though to a small extent only), from the fees of students, from the statutable contributions of Colls. and from a Treasury Grant.

DISCIPLINE outside the walls of the Colls. is maintained by the Proctors.

The COLLEGES (18 for men, 2 for women) are self-governing corporate bodies distinct from the Univ., owning and managing their separate property. Their powers are, however, limited by their statutes, which cannot be altered by them without notice to the Univ. and approval by the Privy Council. The functions of the Colls. in regard to students are to provide lodging, corporate life and personal tuition, while the function of the Univ. is to provide public instruction by means of lectures and demonstrations, examinations leading to degrees and facilities for research. The affairs of the Colls. are, however, closely interwoven with those of the Univ. Most of the Fellows of Colls. are Univ. officers. Each Coll. is required by statute to contribute a certain fraction of its income to the funds of the Univ., the scale of contribution being graduated according to the College revenues.

The Colls. also maintain Fellowships for the furtherance of research, and a large number of Scholarships. The title of scholar is awarded on purely intellectual grounds, but no Coll. emolument other than an allowance for rooms is paid to an undergraduate scholar unless he satisfies the Coll. that his circumstances justify the payment.

NON-COLLEGIATE STUDENTS reside in licensed lodgings or in "Houses" recognized by the Non-Collegiate Students' Board. Such students by becoming members of Fitzwilliam House obtain opportunities for taking part in communal life (dining in Hall, belonging to athletic clubs, etc.) similar to those enjoyed by members of Colleges.

ADMISSION. *See* Appendix I.

The ADVISER TO OVERSEAS CANDIDATES FOR ADMISSION (N. S. Wilson, M.A. Pemb.), whose office address is 1A Rose Cresc., Cambridge (*Telephone*: Cambridge 57390), is prepared to correspond with applicants for admission (other than candidates for admission to courses of research) resident outside the U.K., and with Government Depts. and other agents acting on their behalf.

The UNIVERSITY HEALTH SERVICE (Sr. Univ. Health Service Officer—Sir A. F. Rook, M.A. Cath.) is part of the Dept. of Human Ecol.; first-year undergraduates are invited to attend for medical examn. in their first term. The service is housed in the University Health Centre, which includes a gymnasium, and is at Fenner's, the headquarters of the cricket and athletic clubs.

NON-MEMBERS OF THE UNIVERSITY. Under certain conditions persons who are not members of the Univ. may be admitted to courses of instruction or allowed to work in Univ. labs. for limited periods. Enquiries should be addressed to the Registrary.

INCORPORATION. Members of the Univs. of Oxford and Dublin (Trinity Coll.) may, under certain conditions, be allowed to "incorporate," *i.e.* be admitted to the status and degree in Cambridge which corresponds to that which they held in Oxford or Dublin.

AFFILIATION. Certain privileges affecting study are granted on admission to qualified members of a number of recognized Univs. and Colls., both U.K. and overseas.

TERMS. In order that a term may be counted towards qualifying for a degree, a student must reside 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): 1953–54—Oct. 6 to Dec. 4; Jan. 12 to Mar. 12; Apr. 20 to June 11.

DEGREES. B.A., M.A.; M.Litt., Litt.D.; M.Sc, Sc.D.; B.D., D.D.; LL.B, LL.M., LL.D.; M.B., B.Chir., M.Chir., M.D.; Mus.B., Mus.M., Mus.D.; Vet. M.B.; Ph.D.

ARTS. The qualifications for the B.A. are: (i) 9 terms' residence; (ii) passing or being exempted from the *Previous Examn.*; (iii) passing the examns. for the Ordinary Degree or a Tripos examn. or examns.

Exemption from (i) to the extent of 3 terms can be obtained by students entitled to the privileges of *affiliation* (*see* Appendix I).

(ii) The *Previous Examn.* includes Latin or Greek, one other language, Maths. or Science, and English. Subject to certain provisos, natives of Asia or Africa who are not of European parentage may substitute papers in Arabic, Chinese, Sansk., Persian or Pali for the Latin papers. For details and exemptions, *see* Appendix I.

(iii) Ordinary Degree (All students must follow an honours course or a course for a Certificate of Proficiency in their first year): (*a*) First-year hons. examn. or an examn. for a Cert. of Proficiency, followed by two of these Special Examns., Latin, Greek, History, Law, English, each lang. regularly included in the Mod. and Mediæval Langs. and Oriental Langs. Triposes, Geog., Moral Science, Maths., each whole subject of Part I of the Natural Sciences Tripos. Or (*b*) the Examns. in *Agriculture*, (*c*) in *Estate Management*, (*d*) in *Architectural Studies*, (*e*) in *Engineering Studies*, or (*f*) in *Christian Theology*.

Certain combinations of (*a*), (*b*), (*c*), (*d*), (*e*) and (*f*) are allowed, and also certain combinations of parts of (*a*) with parts of the course for the M.B. or the Mus.B., or with parts of a Tripos course.

Degree with Honours: obtained by gaining hons. in one or more (according to the regns.) of the following Triposes: Archæological and Anthropological, Chem. Engin., Classical, Economics, English, Geog., Hist., Law, Maths., Mech. Sci., Mod. and Med. Langs., Moral Sci., Music, Nat. Sci., Oriental Langs., Theol.

A Bachelor may be admitted Master of Arts at the end of 6 yrs. from

the end of his 1st term, provided that not less than 2 yrs. have elapsed from his admission as B.A.

DIVINITY. A graduate may proceed to the B.D. when he is of not less than 5 yrs.' standing from his first degree, by submitting an original dissertation or published work. A B.D. of 3 yrs.' standing may proceed to the D.D. by submitting published works or a printed dissertation.

LAW. To qualify for the LL.B. it is necessary to pass the LL.B. examn. after having kept 9 terms and reached hons. standard in the Law Tripos, or taken the degree of B.A. and qualified for practice as a barrister or solicitor in England or Ireland, or as an advocate or law agent in Scotland. (For an Affiliated Student these requirements may be modified.) An LL.B. of not less than 2 yrs.' standing may be admitted to the degree of LL.M. by dissertation. Any graduate may be admitted LL.D., not less than 8 yrs. after admission to his 1st degree, if he has published one or more original contributions, approved for the purpose, to the advancement of the science or study of Law.

MEDICINE. The qualifications for the M.B. and B.Chir. are: (i) 9 terms' residence; (ii) passing (or exemption from) the *Previous Examn.*; (iii) at least 5 yrs.' Med. study; (iv) passing in due order several examns. (of which one must be a Tripos examn.). Admission to certain examns. is conditional on proof of diligent attendance on prescribed courses of lectures and practical work. Admission to the Final M.B. is conditional on proof of 5 yrs.' Med. study, of which 2 yrs. 9 mos. must have been spent in hospl. practice, and diligent attendance on prescribed courses of instruction and practical work. A person who has graduated M.B., B.Chir. may be admitted M.D. on submission of a thesis or dissertation when 8 yrs. have elapsed since admission to his first degree. A person who has graduated M.B., B.Chir. may be a candidate for the M.Chir. Degree Examn. when 2 yrs. have elapsed since passing the Final M.B. Examn.

MUSIC. The qualifications for the Mus.B. include (1) 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., Anthrop., Archit., Class. Archæol., Comparative Legal Studies, Internat. Law, Economics, Education, Estate Management, Prehistoric Archæol., Mathematical Statistics, and Oriental Langs., the diplomas in Anthrop., Prehistoric Archæol. and Orient. Langs. being open to non-members in certain exceptional circumstances. *Certificates* of competent knowledge of certain modern langs., open to members of the Univ. only, are awarded.

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—Miss M. A. Wileman, M.A. Oxon., M.A.; Sec. of the Dept.—A. G. Hunt, M.A. Pet.), 17 Brookside, Cambridge (*Telephone*: Cambridge 4357), is under the general control of the Education Syndicate. Postgraduate students enter for the one yr.'s professional course leading to the Certificate in Education awarded by the Cambridge Institute of Education and, if graduates of another University, must become members of the Univ. The Institute's examinations are not open to external students.

RESEARCH STUDENTS. Each application for admission must be made to the Secretary of the Board of Research Studies, and must be accompanied by (i) a diploma or other certif. of graduation at a Univ.; (ii) a statement of the course of research which the applicant desires to pursue, together with evidence of qualification, attainments and previous study; (iii) a statement of the degree, if any, for which the applicant wishes to be a candidate; (iv) a certif. or declaration of the applicant's date of birth. In exceptional cases persons who are not graduates may be admitted. The application is not granted unless it appears that (*a*) the course of research can conveniently be pursued within the Univ., and (*b*) that the applicant has produced adequate evidence that he is qualified to enter upon the proposed course. Before admission he is required to become a member of a College, or a Non-Collegiate Student. Sec. of the Board of Research Studies: L. M. Harvey, M.A. Correspondence should be addressed to the Secretary at the Old Schools, Cambridge (*Telephone*: Cambridge 54451).

A Research Student pursues his course under 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. 24) 3 yrs. are ordinarily required. One year of the 3 yrs.' course may be remitted if the applicant satisfies the Board of Research Studies that he has done at least a yr.'s satisfactory research work before admission to Cambridge Univ. For any degree 6 terms' residence is essential.

UNIVERSITY SCHOLARSHIPS AND STUDENTSHIPS, ETC., are generally open only to members of this Univ. For details *see Student's Handbook* (Univ. Press), which also gives details of College *Entrance* Scholarships. For POSTGRADUATE AWARDS open to graduates of other Univs., *see* Appendix II.

DOMINION AND COLONIAL EXHIBITIONS. In view of the difficulties experienced by Dominion and Colonial students in competing for scholarships and exhbns. in the open examn. held each Dec., Trinity Coll. is prepared to consider applications made by Dominion and Colonial Univs. on behalf of their students for the grant of exhbns.; value £40 a yr. either more or less according to holder's financial circumstances. Candidates must apply through the principal

authority of their Univ. Applications for next award must reach the Senior Tutor, Trinity Coll. (from whom particulars should be obtained), by May 1, 1954.

EXPENSES. Since each student, in addition to Univ. fees, pays bills to a College (or to the Non-Collegiate Board), and the charges vary from College to College, a concise general estimate gives only a rough indication, which may be supplemented by particulars obtained from the College of the student's choice; but the total annual expenditure of a student, *exclusive of initial, occasional and additional expenses and of vacation expenses*, may be fairly estimated at not less than about £350.

The items on which this estimate is based include an allowance for board and lodging, personal expenses (books, travelling, clothes, clubs, etc.) together with Univ. and Coll. fees. The excluded initial expenses include caution money, which is returned when the student leaves the University (in certain Colleges caution money takes the form of a payment in advance, term by term, towards the next term's bill), College admission fee (£2 to £5), matricn. £5. The "occasional" fees are for examns., about £12, and degree fees, £3. The "additional" expenses include laboratory fees for technical and scientific subjects (an additional £10 to about £25), cost of attendance at long vacation courses.

The UNIVERSITY APPOINTMENTS BOARD (for names of officers *see* "Administrative and other Staff," p. 95) is responsible for all matters concerning employment suitable to members of the University. *Address*: 6 Chaucer Rd., Cambridge. *Telegrams*: Appointments, Cambridge. *Telephone*: 54242/3.

CAMBRIDGE UNIVERSITY WOMEN'S APPOINTMENTS BOARD, 6 Chaucer Road, Cambridge (*Telephone*: Cambridge 2629). Interviews by appointment only.

The UNIVERSITY LIBRARY contains over 1,500,000 vols., including many early printed books, and over 10,000 MSS. and 250,000 maps. It is entitled under the Copyright Act to a copy of every book published in Gt. Britain and Ireland, and a large number of foreign books and periodicals are acquired by purchase. It contains, amongst others, the following remarkable collections: Acton library (mediæval, ecclesiastical and modern history, 60,000 vols.); W. G. Aston's Japanese library; Sir T. Wade's Chinese books; J. W. Clark collection (Cambridge books, pamphlets, papers, etc.). The annual budget is about £65,000. In addition, there are Departmental Libraries, some of considerable importance.

Each College has a library. Among special collections in College libraries are: in Christ's College the Robertson Smith collection of Oriental books, many of which are connected with Semitic literature; in Gonville and Caius College 800 MSS., 60 incunabula, heraldic collections of Dr. John Knight (17th cent.), 1300 books and controversial pamphlets of Dr. Wm. Branthwaite (d. 1619), Norfolk and Suffolk topographical and genealogical works; in Girton College small collections of Oriental books, chiefly Sanskrit (Cowell) and Hebrew (Frere—printed catalogue), and Botany books and pamphlets (Ethel Sargant).

MUSEUMS. (*a*) Art and Archæology.

*The Fitzwilliam Museum* (Director—C. Winter, M.A. Trin.), Trumpington St., Cambridge (*Telephone*: Cambridge 4023), contains a large and valuable collection of paintings, drawings, engravings, Egyptian and Greek antiquities, ceramics, coins, illustrated MSS., autographs, early printed books and music.

*The Museum of Classical Archæology* (Curator—Prof. Jocelyn M. C. Toynbee,

M.A. Newn.), Little St. Mary's Lane, Cambridge (*Telephone*: Cambridge 2410), contains a collection of casts illustrating the history of Greek sculpture.

*The Museum of Archæology and Ethnology* (Curator—G. H. S. Bushnell, M.A., Ph.D. Down.), Downing St., Cambridge (*Telephone*: Cambridge 4937), has a large and increasing collection, including Saxon urns and ornaments, casts of Central American monuments, Egyptian stone implements, unique Fijian collections, and numerous others resulting from scientific expeditions by Cambridge men.

(*b*) Science.

The following should be specially mentioned:

*The Museum of Zoology* (Director—F. R. Parrington, M.A. Sid.), Downing St., Cambridge (*Telephone*: Cambridge 2325).

*Sedgwick Museum of Geology* (Curator—A. G. Brighton, M.A. Chr.), Downing Street (*Telephone*: Cambridge 4129).

*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. (Molteno Inst.), Path., Physiol., Psychol., Zool., Chem. Eng. In addition the following should be specially mentioned:

*Mathematical Laboratory* (Director—M. V. Wilkes, M.A., Ph.D. Joh.), Corn Exchange St., Cambridge (*Telephone*: Cambridge 5174), for research on computing machinery.

*Botanic Garden* (Director—J. S. L. Gilmour, M.A. Cla.), Bateman Street, Cambridge (*Telephone*: Cambridge 4101).

*Scott Polar Research Institute* (Director—G. C. L. Bertram, M.A., Ph.D. Joh.), Lensfield Rd., Cambridge (*Telephone*: Cambridge 2983).

The OBSERVATORIES (Director—Prof. R. O. Redman, M.A., Ph.D. Joh.), Madingley Rd., Cambridge, are about a mile from Cambridge and have the Northumberland equatorial 12-in. aperture; the Sheepshanks photographic equatorial 12½ in.; a number of smaller instruments, a good library and a small optical shop. The Solar Physics Observatory has the Newall telescope (25 in.), McClean cœlostat and spectrograph, Huggins telescopes, 3-foot reflector, etc.

The OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards a General Certificate of Education which exempts the holder, under certain conditions, from Responsions and the Previous Examination, the minimum entrance requirements of London and other Univs., and the Preliminary examns. of various professional bodies, etc. For L.E.A. and State Scholarships, *see* pp. 9-10. The Regulations of the Board are published by the Oxford and Cambridge Univ. Presses (post free 1s. 10d.). Secs.: at Cambridge—A. E. E. McKenzie, M.A. Trin., 10 Trumpington St. (*Telephone*: Cambridge 4658); at Oxford—G. J. R. Potter, M.A., 74 High St. (*Telephone*: Oxford 3549).

The UNIVERSITY OF CAMBRIDGE LOCAL EXAMINATIONS SYNDICATE, instituted in 1858, is one of the eight examining bodies in England and Wales approved by the Ministry of Education for Sec. school examns. Its membership includes Univ. members, principals of schools and representatives of Local Educn. Authorities. The Syndicate conducts school examns. in Gt. Britain and overseas and examns. in English for students whose mother tongue is not English.

*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* pp. 9-10.

*School Examns. Overseas.* The Oversea School and Higher School Certif. Examns. are held in December in India and Pakistan, Malaya, West and East Africa, the Sudan, S. Rhodesia, the West Indies, Mauritius 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 38 countries overseas. The Certif. of Proficiency in English which exempts the holder from the entrance test in English at certain Univs., and the Diploma of English Studies, which is intended to be of the same standard as a first examn. for a Univ. hons. degree, carry the official approval of the Ministry of Education. There is also an examn. for a Lower Certif. in English.

The examn. for the *Cambridge Certificate in Religious Knowledge* is held in June; this Certif. is designed for teachers, Church Workers and others who desire a satisfactory proof of their knowledge of the subject.

*Address* from which full Regns. can be obtained (price, 1s. each for G.C.E. Exams. and Overseas Exams.)—Syndicate Buildings, Cambridge (*Telephone*: Cambridge 55217); Sec.: J. L. Brereton, M.A.; Asst. Secs.: T. S. Wyatt, M.A., A. V. Hardy, M.A.; Assts. to Secs.: Marie E. Overton, M.A.; E. J. Saunders, M.A.; R. D. Moore.

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 17 full-time tutors and lectrs., including Resident Tutors in 7 county areas who, in addition to teaching, exercise a general supervision over the work of the Board and assist in the development of adult educn. in these areas.

*Bursaries.* The Board award annually bursaries to men and women in the adult educn. movement who have shown themselves to be capable of profiting by a course of Univ. study, but who, for various reasons, have not had the opportunity.

*Summer Schools.* The Board hold Vacation Courses, including (*a*) an

annual Summer School, in co-operation with the W.E.A., mainly for students from Tutorial and Sessional Classes, including a training course for potential tutors in adult educn.; (*b*) Vacation Courses for students from overseas, mainly Europe; (*c*) Occasional Summer Schools, in co-operation with Facs. or Depts. of the Univ., to meet special requirements. For an experimental period, including the next 3 yrs., the Univ. will place Madingley Hall at the disposal of the Bd. in vacations for the arrangement of residential courses for adults.

Further particulars from the Sec., G. F. Hickson, M.A. Cla., Stuart House, Cambridge (*Telephone*: Cambridge 56275). Asst. Secs.: G. H. Pateman, Hon. M.A. Trin.; F. E. Bell, M.A. Pet.; J. M. Y. Andrew, B.A. Cath.

INSTITUTE OF EDUCATION (2 Brookside, Cambridge. *Telephone*: Cambridge 56207/8). The Univ. Dept. of Educn. is a corporate member of the Cambridge Inst. of Educn.

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*, 10s. 6d., annually; *Facilities for Study and Research*; *Compendium of Univ. Regns.*, 9d.; *Endowments of the Univ.*, 1904, 10s. 6d.; *Alumni Cantabrigienses*, Ed. J. and J. A. Venn (for the years 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 *Annual Register* (Nov.), 15s.; the *Historical Register*, 20s.; *Historical Register Supplement*: 1911–20, 8s. 6d.; 1921–30, 12s. 6d.; 1931–40, 15s.; 1941–50, 21s. *Index to Tripos Lists*, 1748–1910, 10s.; *An Introduction to Cambridge*, by S. C. Roberts, 5s.; *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; (*d*) *Architectural History of Cambridge*, R. Willis and J. W. Clark, 4 vols.; (*e*) D. A. Winstanley: *The University of Cambridge in the 18th Century*, 1922; *Unreformed Cambridge*, 1935; *Early Victorian Cambridge*, 1940; *Later Victorian Cambridge*, 1947.

Magazines (unofficial): The *Cambridge Review*, *Varsity* (undergraduate newspaper), the *Granta* from time to time.

CAMBRIDGE UNIVERSITY PRESS (for names of staff *see* "Administrative and other Staff," p. 94), Trumpington St., Cambridge (*Telephone*: Cambridge 4226); Bentley House, 200 Euston Rd., London, N.W.1 (*Telephone*: Euston 5451); 32 East 57th Street, New York, 22, U.S.A. (*Telephone*: MU-8-8888.)

## THE YEAR 1951–52

BENEFACTIONS. American Cyanamid Co., $3000 for res. on Org. Chem. and Biochem.; Bakelite Ltd., £500 a yr. for 3 yrs. for res. in Dept. of Physical Chem.; late Prof. Bethune-Baker; V. Crowther-Beynon; Eli Lilly and Co., $15,000 a yr. for 3 yrs. for res. on proteins in Dept. of Biochem.; Empire Cotton Growing Corp., £1000 a yr. to School of Agric.; L. C. Hopkins; Rev. R. Macpherson; Very Rev. Milner-White; late Prof. Newberry; Nuffield Foundation, £18,089 for various res. projects; Prof. E. S. Pearson; late A. J. Pressland, about £10,000 to provide instruct. in Mod. Langs. for Sci. and Med. Students; Miss K. Richards; Rhokana Corp. Ltd.; Nchanga

Consolidated Copper Mines Ltd., and Rhodesian Broken Hill Development Co., Ltd., £20,950 a yr. for 7 yrs. for permanent endowment of work in surface chem.; Rockefeller Foundation; Shell Petroleum Co.; R. S. Whipple, £5500.

NEW BUILDINGS. New bldg. at Engin. Lab. and Dept. of Human Ecol. at Fenners, which includes Gymnasium and quarters for Health Service, were completed and put into use. Work begun on new Chem. Lab. and work on Vet. Sch. continues.

NEW REGULATIONS. Regns. for Degree of Bachelor of Veterinary Medicine (Vet. M.B.) approved.

RETIREMENTS. *Professors*: Prof. Sir F. C. Bartlett (Exper. Psychol.); Prof. Hackforth (Anc. Philos.); Prof. Sir B. M. Jones (Aer. Engin.); and Prof. Keilin (Biol.). *Lecturers*: E. K. Bennett (Ger.); W. J. Dowson (Mycol.); D. Portway (Engin.); F. R. Salter (Hist.); R. W. Stanners (Geog.); J. W. C. Turner (Law); T. C. Wyatt (Engin.).

RESIGNATIONS. *Professors*: Prof. G. H. von Wright (Philos.); Prof. D. A. E. Garrod (Archæol.); Prof. A. M. Ramsey (Reg. of Div.), apptd. to Bishopric of Durham. *Reader*: D. G. Catcheside (Plant Cytogenetics), apptd. Prof. of Genetics, Adel. U. *Lecturers*: P. Allen (Geol.), apptd. Prof. of Geol., R'dg. U.; C. F. Carter (Econ.), apptd. Prof. of Econ., Belf. U.; F. B. Bull (Engin.), apptd. Prof. of Civil Engin., Adel. U.; W. R. Dean (Maths.), apptd. Goldsmid Prof. of Maths., Lond. U.; G. W. Harris (Physiol.), apptd. Fitzmary Prof. of Physiol., Lond. U.; J. Lough (French), apptd. Prof. of French, Durh. U.; D. G. Northcott (Maths.), apptd. Prof. of Maths., Sheff. U. *Assistant Lecturer*: J. L. I. Fennell (Sl. Stud.), apptd. Reader in Slavonic Studies, Nott. U. *Assistant Director of Research*: A. L. Hodgkin (Physiol.), apptd. Foulerton Prof. of Royal Society. *Demonstrator*: M. M. Swann (Zool.), apptd. Prof. of Zool., Edin. U.

DEATHS. Mrs. M. S. Anderson (Fellow of Girton Coll. and Univ. Lectr. in Geog.); T. G. Bedford (Sidney Sussex Coll. formerly Univ. Lectr. in Phys. and a Sec. of Oxford and Cambridge Schools Examination Bd.); E. A. Benians (Master of St. John's Coll. and formerly Vice-Chancellor); F. T. Brooks (Fellow of Emmanuel Coll. and Emer. Prof. of Bot.); Sir R. Burrows (Hon. Fellow of Trinity Hall and Recorder of Cambridge); J. F. Cameron (formerly Master of Gonville and Caius Coll. and Vice-Chancellor); S. W. Cole (Trinity Coll.); I. Georgevich (Assoc. Lectr. in Slavonic Studies); G. Haloun (Fellow of King's Coll. and Prof. of Chinese Lang. and Hist.); Sir C. E. Inglis (formerly Vice-Provost of King's Coll. and Prof. of Mech. Scis.); A. W. Menzies-Kitchin (St. Catharine's Coll. and Reader in Agric. Econ.); E. E. Raven (Fellow and Dean of St. John's Coll.); Miss M. S. Smith (formerly Fellow and Tutor of Newnham Coll.).

HONORARY DEGREES. *LL.D.*—The Rt. Hon. L. S. Amery; The Rt. Hon. R. A. Butler, Chancellor of the Exchequer; The Hon. L. Hand, sometime Chief Judge of the United States Court of Appeals for the Second Circuit; Lord Woolton, Lord President of the Council; F. A. A. Campus, Prof. of Engin. and Rector of State Univ. of Liège; F. Stussi, Prof. of Engin. and Rector of Swiss Federal Inst. of Technol. *Sc.D.*—Sir E. B. Bailey; K. T. Compton, Chairman of Corporation of M.I.T.; Sir G. Gordon-Taylor. *Litt.D.*—O. G. S. Crawford; A. G. Ernout; Sir D. MacCarthy. *M.A.*—E. A. Armstrong.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 7275 |
| Women | .. | 716 |
| Total | .. | 7991 |

Postgraduate students, 1206.

First-yr. students reading for first degrees, etc., 2331.

Students from other countries, 743 (countries from which largest numbers came: U.S.A., 94; Australia, 88; India, 68; Canada, 61; S. Africa, 41; S. Rhodesia, 38; New Zealand, 37; British W. Indies, 32; Ceylon, 28).

DEGREES. B.A., 2174; M.A., 1512; B.D., 3; D.D., 2; LL.D., 1; LL.B., 44; M.Litt., 7; Litt.D., 5; M.B., B.Chir., 138; M.Chir., 4; M.D., 41; Mus.B., 9; Ph.D., 167; M.Sc., 7; Sc.D., 7.

[*Information compiled as at* 26/5/53 ;
*Staff list revised on* 5/9/53.]

# UNIVERSITY OF DURHAM*

Founded 1832

*Postal Addresses* (University Offices) :

46 North Bailey, Durham, England. *Telephone*: Durham 900-901.
23 St. Thomas' Street, Newcastle upon Tyne, 2, England. *Telephone* : Newcastle 21278.

(Correspondence should be addressed to the Durham office unless otherwise indicated.)

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—GEORGE MACAULAY TREVELYAN, O.M., C.B.E., M.A. Camb., D.C.L. Oxon., LL.D. St. And., Edin., Sheff., Liv., Litt.D. Camb., Harv., Yale, Manc., D.Lit. Lond., D.Litt. Nott. and Durh., F.R.S., F.B.A.

VICE-CHANCELLOR †—Sir JAMES DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd., D.C.L., Warden of the Durham Colleges.

PRO-VICE-CHANCELLOR †—CHARLES ION CARR BOSANQUET, M.A. Oxon. and Camb., D.C.L., Rector of King's College, Newcastle upon Tyne.

HON. TREASURER—Sir THOMAS BRADFORD, D.S.O., D.C.L., D.L.

REGISTRAR—E. M. BETTENSON, M.A. Camb.

## ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICES. Asst. Registrars : G. A. Chadwick, B.Sc. Liv., I. E. Graham, M.A. Edin. Financial Clerk : C. E. Stobart.

APPOINTMENTS BOARD OFFICE. Appts. Officer : W. N. Austin. Dep. Appts. Officer : H. V. Walters, B.Sc., Ph.D. Lond. Asst. Appts. Officers : T. C. Archbold, B.Sc. ; B. E. Q. Smith, B.Sc. (Econ.) Lond.

SCHOOL EXAMINATIONS BOARD OFFICE. Sec.: A. B. Sainsbury, M.A. Oxon.

## DIVISIONS OF THE UNIVERSITY

**Durham Colleges:** *see* p. 124.

**King's College, Newcastle upon Tyne:** *see* p. 132.

## AFFILIATED COLLEGES

**A. Colleges in which students may matriculate, keep terms, and pass examns., and so qualify without coming to England for the B.A., M.A., B.D., D.D., B.C.L. and D.C.L. degrees :**

* Member of the Association of Universities of the British Commonwealth.
† The Warden of the Durham Colls. and the Rector of King's Coll. are alternately Vice-Chancellor and Pro-Vice-Chancellor for 2-yr. terms.

CODRINGTON COLLEGE, Barbados, B.W.I. Trustees (under the will of Christopher Codrington, who died in 1710)—The Society for the Propagation of the Gospel; affiliated to Univ. of Durham in 1875; Visitor—The Lord Bishop of Barbados; Principal—Rev. C. A. Sayer, B.A. Leeds. Approx. 12 Univ. level students.

FOURAH BAY COLLEGE, P.O. Box 87, Freetown, Sierra Leone, W. Africa. Founded in 1827 by the Church Missionary Society. Affiliated to Univ. of Durham in 1876. In 1918 the Wesleyan Missionary Society became associated with the C.M.S. in the control of the Coll. In 1950 the Coll. was reorganized under the govt. of a Council and received financial support from the Govt. of Sierra Leone. Visitor—The Bishop of Sierra Leone; Deputy Visitors—The Lord Chief Justice, the Colonial Secretary; Principal—F. R. Dain, M.A., Dip.Ed. Oxon.; Vice-Principal and Hd. of Univ. Dept.—J. J. Grant, M.A., Ed.B. Glas. Approx. 106 Univ. level students.

B. College affiliated in the Schools of Mechanical, Marine, Civil and Electrical Engineering:

SUNDERLAND TECHNICAL COLLEGE, Sunderland, Co. Durham (*Telephone*: Sunderland 4447). Founded in 1901. Affiliated in 1930 under the University of Durham Act, 1908. The Coll. is represented on Senate and on the Bd. of the Fac. of Appl. Sci. Principal—D. A. Wrangham, M.Sc. Lond., D.I.C. Approx. 150 Univ. level students.

## GENERAL INFORMATION

The University was established in 1832. The College of Medicine, founded in Newcastle in 1834, was associated with the Univ. first in 1852 and more closely in 1870. The Durham College of Physical Science, later Armstrong College, was founded in 1871 in Newcastle as a part of the Univ. The reconstitution of 1908 brought the Durham Colleges, the College of Medicine and Armstrong College into a closer relationship. The reconstitution of 1937 carried the process further, establishing a central financial control. It also merged the two Newcastle Colls. in King's College, Newcastle upon Tyne.

The Univ. now consists of the Durham and Newcastle Divisions, *see below*. Three colls. elsewhere are affiliated to it, *see* pp. 118-119.

The Warden of the Durham Colleges and the Rector of King's College are alternately Vice-Chancellor and Pro-Vice-Chancellor of the Univ. for 2-yr. terms.

INCOME (1950–51). £689,575, including Treasury Grant allocated to the Divisions (Durham Division, £117,900; Newcastle Division, £500,600).

LIBRARIES. *See under* the Divisions.

FACULTIES AND DEANS. *Agriculture*, Prof. R. W. Wheldon; *Applied Science*, Prof. L. C. Burrill (Naval Archit.); *Arts*, Prof. J. E. Butt (Engl.); *Econ. Studies*, E. D. McCallum (Econ.); *Education*, Prof. E. J. R. Eaglesham; *Law*, Prof. E. C. Ryder; *Medicine*, Prof. R. B. Green; *Music*, Prof. A. J. B. Hutchings; *Science*, Prof. G. H. J. Daysh (Geog.); *Theology*, Prof. H. E. W. Turner.

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.Sc. (in Sci., Appl. Sci. or Agric.), B.A. (Econ. Studies),* 3 yrs. (for Hons., 3 or 4 yrs.); Hons. may be awarded with the

* Replaced B.Com. as from Oct. 1952.

gen. degree in Sci.; B.A. (Soc. Studies), B.A. (in Oriental Studies), LL.B., 3 yrs.; B.A. (in Fine Art), 4 yrs.; B.A. (Town and Country Planning), B.Arch., 5 yrs.; M.B., B.S., 6 yrs. of Med. study (3 yrs. at least in Med. School at Newcastle); B.D.S., 6 yrs.

HIGHER DEGREES. B.D., 9 terms. D.D., 10 yrs. from B.A., 5 yrs. from B.D. M.A., 6 terms from graduation (except in Music); M.Litt., 3 yrs.; M.Ed., 3 yrs.; D.Litt., 10 yrs. from B.A.; B.C.L., 6 terms from B.A.; D.C.L., 10 yrs. from B.A. M.D., 2 yrs. from M.B., B.S.; D.Ch., 6 yrs. from M.B., B.S.; D.Hy., 6 yrs. from M.B., B.S.; M.D.S., 2 yrs. from B.D.S. M.Sc., 2 yrs. from B.Sc.; D.Sc., 4 yrs. from M.Sc. or Ph.D., or 6 yrs. from B.Sc. D.Mus., 15 terms from B.Mus. M.Com., 2 yrs. from B.Com. LL.M., 2 yrs. from LL.B. or B.C.L. Ph.D., 2 yrs. from admission as candidate.

Grads. of other Univs. are admissible to the following higher degrees, after pursuing studies indicated: M.Litt., 3 yrs. under supervision; M.Com., not less than 2 yrs. and not more than 4 yrs. in a course of advanced study or research under supervision; M.Ed., 2 yrs. full-time, 3 yrs. pt.-time, under supervision; M.Sc., not less than 2 yrs.' advanced study or research under supervision; D.Mus., on examn.; LL.M., not less than 2 yrs.' and not more than 4 yrs.' advanced study or res. under supervision; Ph.D., not less than 2 yrs.' full-time advanced study or res. under supervision in the Univ.

LICENCE. *Dental Surgery*, open to matriculated students after 4 yrs.' professional study subsequent to registration.

DIPLOMAS. *Theology*—open to grads. of a Univ. of the British Commonwealth after 6 terms at Durham. *Biblical Studies*—open to grads. of approved Univs. after 3 terms' course. *Foreign Languages*—open to grads. of the Univ. in any Fac. except Music. *Anthropology*—open to grads. of approved Univs. after 2 yrs.' course. *Arabic*—3 terms' course. *Architecture*—5 yrs.' course. *Town Planning*—open to holders of a Cert. in Town Planning after 3 terms' course. *Landscape Design*—3 terms' course. *Public Health*—open to candidates who hold a Cert. in Public Health after 3 terms' pt.-time course. *Psychological Medicine*—open to candidates who have held a registrable medical qualific. for not less than 2 yrs. and a resident hospl. appt. in general med., after an approved course. *Agriculture*—3 winters of 2 terms each. (Course suspended until further notice.) *Mining*—3 yrs.' course (suspended until further notice). *Public Health Engineering*—1 yr's. course. *Economic Studies*—2 yrs.' course.* *Public Administration*—2 yrs.' course. *Education* (awarded by Inst. of Education)—open to grads. of approved Univs. after 1 yr's. course.

CERTIFICATES. *Biblical Studies*—3 terms' course. *Social Studies*—2 yrs.' course. *Public Health*—open to candidates who have held a registrable med. qualific. for not less than 2 yrs. after 2 terms' pt.-time course.

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

FEES. Matricn., £2. Examns.: B.A., B.Arch., LL.B., B.Sc., £7 : 10s.; B.A. Fine Art, £6; M.B., B.S., £28; B.D.S., £18; M.A., £6; M.Litt., M.Sc., M.Com., LL.M., M.Ed., £12; 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., £14; D.Mus., £9.

*Degrees*—for initial degrees, £4 (B.Mus., £5); for Masters' Degrees, B.C.L., B.D., Ph.D., £5; for higher doctorates, £10 (D.Mus., £15).

For Tuition Fees, *see under* Durham Colleges and King's College.

* Replaced Dipl. in Commerce as from Oct. 1952.

ACADEMIC YEAR. Oct. to June. 3 terms (Durham Coll., 8 or 9 wks. each; King's Coll., Newcastle upon Tyne, 9½ or 10½ wks. each).

The UNIVERSITY APPOINTMENTS BOARD is concerned with appts. of all kinds. Its activities cover both the Durham Colls. and King's Coll., Newcastle upon Tyne. Addresses: 46 North Bailey, Durham (*Telephone*: 900-901), and 10 Kensington Tce., Newcastle upon Tyne (*Telephone*: 26351).

EXTRA-MURAL WORK. In conjunction with the N. District of the W.E.A., the Univ. in its two Divisions provides Tutorial Classes, Sessional Classes and Univ. Extension Courses in a wide variety of subjects for extra-mural adult students in the counties of Durham, Northumberland, Cumberland and Westmorland. These classes are conducted by divisional Bds. for Extra-Mural Studies under the Ministry of Educn. Regs. for Adult Educn. and are partly financed by grants from the Ministry and from L.E.A.s.

GRADUATES' ASSOCIATIONS. The Durham University Society (London) was founded in 1921. Meetings held in London. Hon. Sec.: Rev. E. B. Murray, St. Mary with St. Chad Vicarage, Nichols Sq., London, E.2. Graduate assocns. also exist in most or all of the Colls. in the Univ. (*see under* King's Coll.).

UNIVERSITY NAVAL, MILITARY AND AIR FORMATIONS. The Durham University Unit of the Royal Naval Volunteer Reserve provides pre-service training for students who wish to undertake their National Service in the Royal Navy or who wish to make it their career. Facilities are also provided for students who wish to continue their naval trg. Information from H.M.S. Calliope, Elswick, Newcastle upon Tyne, 4.

The University Training Corps (T.A.) provides pre-service military trg. for students who have deferred their national service, and post-service military training for ex-service students who have part-time military obligations to discharge in the Territorial Army. Information from Adjutant, H.Q., Durham Univ. Contingent of the U.T.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

The University of Durham Air Squadron provides training during their Univ. career for members of the Univ. who wish to prepare themselves for commissioned service in the R.A.F. or in the R.A.F. Auxiliary and Reserve Forces. Information from Sec., Durham Univ. Air Squadron, 7 Windsor Crescent, Jesmond, Newcastle upon Tyne.

The Durham University Company W.R.A.C. provides training for women undergrads. who may wish to take regular or short service commissions in the W.R.A.C. or other Corps open to women on completion of their Univ. course, and provides further military educn. for ex-Service women undergrads. who have reached commissioned rank during whole-time service in the women's forces. Information from C.O., W.R.A.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

INSTITUTE OF EDUCATION. The Inst. examines students in the Univ. Depts. of Educn., and in Training Colls. associated with the Univ. through the Inst., and provides facilities for further study for teachers already qualified and in practice. The Inst. awards the Univ.'s dipl. in education (open to grads. of approved Univs.) after 1 yr.'s course. The headquarters of the Inst. are at Kepier Terrace, Gilesgate, Durham (*Telephone*: Durham 1380), and the Newcastle office is at 10 Leazes Terrace, Newcastle upon Tyne, 1 (*Telephone*: Newcastle 28604).

*Staff of Institute.* Dir.—B. Stanley, M.A. Oxon. Staff Tutors—Mary B. Atkinson; R. D. Bramwell, M.A. Birm.; W. Fawcus; Mrs. Winifred Fawcus; R. Morris, M.A. Oxon.; Dorothy Shutt; J. M. Thyne, M.A., Ed.B. Glas.; Mabel F. Wilson, B.A. Librarian—G. E. S. Nolan, M.A. Oxon. Administrative

Assts.—Elsie Wightman (Sec. for Examns.); B. G. Foord, B.Sc. (Econ.) Lond.

*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—Madame Angela M. Ward, M.A. Lond.); Sunderland Training College (Principal—Alice H. Williamson, M.A. Edin.); Wynyard Hall Training College (Principal—Sophie C. Bertie, M.Ed.).

PUBLICATIONS. *Univ. Calendar* (Oct.), Vol. I.—Almanack, Statutes, Lists, etc.; Vol. II.—Regulations for Degrees: 7s. 6d. per vol.; *Univ. of Durham Gazette*; *Durh. Univ. Journal* (oldest Univ. Mag. in England), once a term, 2s.; *Riddell Memorial Lectures* (Annual), 5s.; *The University of Durham 1832–1932*, by C. E. Whiting (Sheldon Press, London: 1932); *The Newcastle upon Tyne School of Medicine 1834–1934*, by Turner and Arnison (Andrew Reid & Co. Ltd., Newcastle upon Tyne: 1934).

PUBLICATIONS BOARD. The Bd. is a cttee. of Senate. It was founded in 1950 in order to arrange for the publicn. of a series of monographs, sponsored by the Univ. and known by a name associating them with the Univ., but published by the Oxford Univ. Press. The Bd. expects to publish about 2 vols. a yr. So far, the Bd. has published 2 works and has accepted a further 2 for publicn.

## THE YEAR 1951–52

PRINCIPAL CHANGES IN REGULATIONS. New regns. approved for degree of M.Ed. which provide that period of study for pt.-time students should be 3 yrs. and that candidates may proceed to the degree by thesis or by examn. and dissertation. Name of degree of Bachelor of Commerce changed to Bachelor of Arts in Economic Studies (abbrev.: B.A.). Name of Diploma in Commerce similarly changed to Diploma in Economic Studies. A degree of B.A. with Hons. in Economic Studies is also awarded.

RETIREMENT. Lord Eustace Percy, Rector of King's Coll. (Vice-Chancellor).

RESIGNATION. W. S. Angus (Registrar of Univ., 1938–52), apptd. Sec., Aberd. U.

HONORARY DEGREES. *D.C.L.*—C. I. C. Bosanquet, Treasurer of Christ Church, Oxford, and Rector-designate of King's Coll., Newcastle upon Tyne. *D.Sc.*—E. N. da C. Andrade, Dir. in Royal Institution of G. Britain, Fullerian Prof. of Chem. in Royal Institution and Dir. of Davy-Faraday Res. Lab.; F. Debenham, Prof. of Geog., Camb. U., 1930–49. *D.Litt.*—Robert Frost, American poet; Sir Alan Gardiner, Egyptologist, Vice-Pres. of Egypt Exploration Soc.; Sir Lewis Namier, Prof. of Mod. Hist., Manc. U., since 1931; R. Syme, Camden Prof. of Anc. Hist. in Oxf. U. and Pres. of Soc. for the Promotion of Roman Studies. *M.A.*—J. W. Walton, Vice-Chairman of Newcastle Bd. of Extra-Mural Studies. *M.Sc.*—R. H. F. Houstoun, Managing Dir. of Thermal Syndicate, Newcastle upon Tyne; G. W. Temperley, Hon. Sec. of Natural Hist. Soc. of Northumberland, Durham and Newcastle upon Tyne, 1930–51. *M.Ed.*—Mrs. Catherine Maclennan, Teacher of French and German in New-

castle upon Tyne, 1919–51; for many years Sec. and Vice-Pres. of N.E. branch of Mod. Langs. Assocn.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 319 | 3455 |
| Women | 77 | 862 |
| Total | 396 | 4317 |

Postgraduate students, 374.

New admissions, 1273.

Students from other countries, 281. (Countries from which largest numbers came: India, 26; Nigeria, 26; Norway, 23; Mauritius, 21).

DEGREES AWARDED. *Archit.*: B.Arch., 14. *Agric.*: B.Sc., 52; M.Sc., 8; Ph.D., 3. *Appl. Sci.*: B.Sc., 132; M.Sc., 7; Ph.D., 8; M.Sc. (Agric. Eng.), 3. *Arts*: B.A., 285; M.A., 12; Ph.D., 7; M.Litt., 1. *Commerce*: B.Com., 22. *Educn.*: M.Ed., 3; Ph.D., 1. *Law*: LL.B., 18; LL.M., 1. *Med.* (*incl. Dent.*): M.B., B.S., 101; M.D., 8; B.D.S., 26; M.D.S., 1. *Music*: B.Mus., 3; D.Mus., 1. *Sci.*: B.Sc., 251; M.Sc., 4; Ph.D., 21. *Theol.*: D.D., 1. *Total number of first degrees awarded*, 904.

DIPLOMAS. Arabic, 1; Archit., 14; Biblical Studies, 3; Educn., 212; Foreign Langs., 2; Landscape Design, 4; Public Admin., 5; Theol., 26; Theory and Practice of Teaching, 1; Town Planning, 15.

CERTIFICATES. Social Studies, 5.

LICENCES. Dent. Surg., 31.

[*Information compiled as at* 21/5/53 ;
*Staff list revised on* 18/9/53.]

# THE DURHAM COLLEGES

Founded 1832

*Postal Address* (Offices of Warden, Treasurer and Secretary) :
38 North Bailey, Durham, England.
*Telephone* : Durham 300-301.

WARDEN—Sir JAMES DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd., D.C.L. (Vice-Chancellor of the University).

SECRETARY—S. HOLGATE, M.A., Ph.D.

TREASURER—Col. J. C. R. FITZGERALD-LOMBARD, O.B.E., M.A. Camb.

LIBRARIAN—D. G. RAMAGE, M.A. Edin., F.L.A.

## TEACHING STAFF

*Archæology*

Birley, E., M.B.E., M.A. Oxon., F.S.A.
(A. and Roman Frontier Studies) Reader.

*Botany*

Valentine, D. H., M.A., Ph.D. Camb., F.L.S.
Prof., Dean, Fac. of Sci.

Lecturers

Chalklin, Kathleen M., M.Sc. Wales.
Crosby, J. L., M.A., Ph.D. Camb.
Foster, W. E., M.Sc., Ph.D.

*Chemistry*

Coates, G. E., M.A., B.Sc. Oxon. Prof.
Christie, G. H., M.Sc., Ph.D. Sheff., F.S.A. Sr. Lectr.

Lecturers

Gibby, C. W., M.Sc., Ph.D. Lond., F.R.I.C.
Musgrave, W. K. R., B.Sc., Ph.D. Birm.
Martin, G. R., B.Sc. Lond. (Radiochem.).
Kohnstam, G., B.Sc., Ph.D. Lond.
Thomson, S. J., B.Sc., Ph.D. Glas. (Radiochem.).
Jocelyn, P. C., B.A., D.Phil. Oxon. Pt.-time Lectr.

*Classics*

Woodcock, E. C., M.A. Camb. (Lat.) Prof.
Skemp, J. B., M.A. Camb., Ph.D. Edin. (Gk.) Prof.
Wright, R. P., M.A. Camb., F.S.A. Sr. Lectr.

Lecturers

Norman, R. T., M.A. Lond. and Oxon. (Anc. Hist. and Philos.).
Williams, R. T., M.C., B.A. Wales.
Collinge, N. E., M.C., M.A. Camb.
Stockton, D. L., B.A. Oxon.
Bargrave-Weaver, D., M.A. Camb.
Sandys-Wood, A. L., B.A. Brist., M.A. Camb., B.Litt. Oxon. Pt.-time Lectr.

*Education*

Eaglesham, E. J. R., M.A., B.Ed. Edin., LL.B. Lond. Prof., Dean.
Willatt, J. F., M.A. Camb., M.Ed. Sr. Lectr.

Lecturers

Tallentire, Mrs. Ethel M., B.Sc.
Hewitt, E. A., B.A. Brist.
Calvert, Florence I., M.A. Sheff.

Millins, P. K. C., B.A. R'dg., L. ès L. Lille.
Pennington, A., B.Sc. Manc., M.Ed.

*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.

Lecturers

Curgenven, J. P., M.A. Oxon.
Horsman, E. A., M.A. N.Z., B.A. Oxon.
Brooke, N. S., M.A. Camb.
Fage, Christine M., M.A. Camb. Pt.-time Lectr.

*French*

Lough, J., M.A., Ph.D. Camb. Prof.

Lecturers

Wilson, R. L., M.A., B.Litt. St. And.
Telfer, Jean M., M.A., B.Litt. Oxon.
Allen, L., M.A. Manc.
Wilson, D. B., M.A. Camb., D. de l'U. Paris.
Mossop, D. J., M.A. Cape T., D. de l'U. Paris.

Lecteurs

Recht, J. J., Ag. d'U. Paris.
Recht, Mme D. M., L. ès L. Paris.

*Geography*

..... Reader.

Lecturers

Holmes, C. W., M.A.
Bowen-Jones, H., M.A. Camb.
Hubbard, J. H., B.A. Oxon.
Slater, L., M.A. Camb. Hon. Lectr. 1 Demr.

*Geology*

Dunham, K. C., M.S., S.D. Harv., Ph.D., D.Sc. Prof.
Hopkins, W., D.Sc., Ph.D., F.G.S. Sr. Lectr.
Stewart, F. H., B.Sc. Aberd., Ph.D. Camb., F.G.S. Lectr.
Phillips, R., B.Sc. Leeds, F.G.S. (Mineral.) Lectr.
Rhodes, F. H. T., B.Sc., Ph.D. Birm., F.G.S. Lectr.
Chalmers, R. A., B.Sc. Manc. I.C.I. Fellow.

*German*

Scott, D. F. S., M.A. Lond., Dr. Phil. Gött. Reader.
Orton, G., M.A. Oxon. Lectr.
Morrall, E. J., M.A. Lond. Lectr.
Weber, H. Lektor.

*History*

Hughes, E., M.A. Manc. Prof., Dean, Fac. of Arts.
Offler, H. S., M.A. Camb. (Med. H.) Reader.

Lecturers

de Groot, E. H. U., M.A. Oxon.
Offler, Mrs. B. E., 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.

Lecturers

Willmore, T. J., M.Sc., Ph.D. Lond., F.R.A.S.
Whitworth, J. V., M.Sc., Ph.D. Manc.
Atkin, A. O. L., M.A., Ph.D. Camb.
Cohen, L., M.A. Camb.

*Music*

Hutchings, A. J. B., B.A., B.Mus. Lond., F.T.C.L. Prof., Dean.

Lecturers

Dickinson, A. E. F., M.A., B.Mus. Oxon.
Harman, R. A., B.Mus.
Evans, P. A., B.A., F.R.C.O.

*Oriental Studies*

Thacker, T. W., M.A. Oxon. (Semitic Philol.) Prof.

Macadam, M. F. L., B.A., D.Phil. Oxon., F.S.A. (Egyptol.) Reader.
Simpson, C. G., B.A. Lond. (Turkish) Reader.

Lecturers

Thornhill, Rev. R., M.A. (Hebrew).
Craig, A. J. M., M.A. Oxon. (Arabic).
Rahman, F., M.A., D.Phil. Oxon. (Persian) (on leave).
Hill, R. L., M.A., B.Litt. Oxon. (Nr. E. Hist.).
Dawson, R. S., M.A. Oxon. (Chinese Philos.) Spalding Lectr.
Basu, A., M.A. Calc. (Indian Philos.) Spalding Lectr.
Derhalli, M. M., B.A. Dub. (Arabic).
Emerton, Rev. J. A., B.A. Oxon. (Hebrew).
Foster, I. J. C., M.A., B.Sc. (Mishnaic Hebrew) Pt.-time Lectr.

*Palæography and Diplomatic*

Davies, J. C., M.A., Litt.D. Camb. Reader.
Scammell, G. V., M.A. Camb. Lectr.

*Philosophy*

Barnes, W. H. F., M.A. Oxon. Prof.
von Leyden, W., D.Phil. Florence and Oxon. Lectr
Harrison, J., B.A. Oxon. Lectr.
Thomson, R., M.A. Oxon. Pt.-time Lectr.

*Physics*

Wagstaff, J. E. P., M.A. Camb., D.Sc. Lond. Prof.
Chalmers, J. A., M.A., Ph.D. Camb., B.Sc. Lond. Sr. Lectr.
Prowse, W. A., T.D., B.Sc., Ph.D. (Appl. Electr.) Sr. Lectr.
Thornton, S., B.Sc., Ph.D. Lectr.
Caffyn, J. E., B.Sc. R'dg. Lectr.
Corner, W. D., B.Sc., Ph.D. Leeds Lectr.

*Psychology*

Smith, F. V., M.A. Syd., Ph.D. Lond., F.B.Ps.S. Prof.
Graham, D., M.A., Ed.B. Glas., B.Sc.(Econ.) Lond. Lectr.
Sluckin, W., B.Sc., B.Sc. (Eng.) Lond. Lectr.

*Social Studies*

Hood, F. C., M.A. Edin. and Oxon. (Pol. Theory and Institutions) Prof.
Allen, E., M.A. Sheff. (Econ.) Reader.

Lecturers

Moos, S., Dip.Econ. Berl. (Econ.).
Bromhead, P. A., M.A., D.Phil. Oxon. (Pol.).
Vale, V., M.A. Camb. (Pol.).
Odber, A. J., B.A. Manc. (Econ.).
Laing, A., B.A. (Econ.).

*Theology*

Greenslade, Canon S. L., M.A. Oxon. Van Mildert Prof.
Turner, Canon H. E. W., M.A. Oxon. Lightfoot Prof., Dean.
Davies, Rev. G. H., M.A., B.D. Wales, B.Litt. Oxon. Prof.
Whitehouse, Rev. W. A., M.A. Camb., B.Litt. Reader, Dean.
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**

109 Tutors employed, of whom 5 are on the staff of the Extra-Mural Dept. and 35 are members of the Univ. Internal Staff.

Dir. of Extra-Mural Studies: H. J. Boyden, B.A., B.Sc. (Econ.) Lond. Staff Tutors: D. S. Reid, M.A., Ph.D. St. And.; W. W. Taylor, M.A.; P. R. Kaim-Caudle, B.Sc. (Econ.) Lond.; J. R. Till, M.A. Oxon.; Sec. of Northern District of W.E.A., C. H. Hocking, B.A.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Treasurer of the Durham Colls.: E. Walker, D.S.O., B.A. Manc., B.Sc. (Econ.) Lond. Asst. Secs. of the Durham Colls.: Beatrice Hollingworth, B.Com.; J. T. Mead, B.A. Oxon.

## THE COLLEGES

UNIVERSITY COLLEGE. Founded 1833. *Telephone*: Durham 104.

Master—L. Slater, M.A. Camb., *Hon. Lectr. in Geog.*

Vice-Master—W. A. Prowse, T.D., B.Sc., Ph.D.

Tutors

Thomson, R., M.A. Oxon., *Censor and Tutor in Arts, U. pt.-time Lectr.* (*Philos.*).

Jocelyn, P. C., B.A., D.Phil. Oxon., *Censor and Tutor in Sci., U. pt.-time Lectr.* (*Chem.*).

Whitworth, J. V., M.Sc., Ph.D. Manc., *Lowe Librarian, U. Lectr.* (*Maths.*).

Craig, A. J. M., M.A. Oxon., *U. Lectr.* (*Arabic*).

Collinge, N. E., M.C., B.A. Camb., *U. Lectr.* (*Class.*).

Chalmers, J. A., M.A., Ph.D. Camb., B.Sc. Lond., *U. Sr. Lectr.* (*Phys.*).

Atkin, A. O. L., M.A., Ph.D. Camb., *U. Lectr.* (*Maths.*).

Ashby, K. R., B.A. Camb., *U. Lectr.* (*Zool.*).

Doyle, A. I., M.A. Camb., *U. Asst. Librarian.*

Prowse, W. A., T.D., B.Sc., Ph.D., *U. Sr. Lectr.* (*Phys.*).

Bargrave-Weaver, D., M.A. Camb., *U. Lectr.* (*Class.*).

Chaplain

Wallis, Rev. J. C., D.S.C., B.A., L.Th.

HATFIELD COLLEGE. Founded 1846. *Telephone*: Durham 490.

Master—E. Birley, M.B.E., M.A. Oxon., F.S.A., *Reader in Archæol.*

Vice-Master—Prof. F. V. Smith, M.A. Syd., Ph.D. Lond., F.B.Ps.S., *Prof. of Psychol.*

Tutors

Sandys-Wood, A. L., B.A. Brist., M.A. Camb., B.Litt. Oxon., *Sr. Tutor, U. pt.-time Lectr.* (*Anc. Hist.*).

von Leyden, W., D.Phil. Florence and Oxon., *Librarian, U. Lectr.* (*Philos.*).

Curgenven, J. P., M.A. Oxon., *U. Lectr.* (*Engl.*).

Ellis, K. L., M.A. Oxon., *U. Lectr.* (*Hist.*).

James, M. E., M.A. Oxon., *U. Lectr.* (*Hist.*).

Kohnstam, G., B.Sc., Ph.D. Lond., *U. Lectr.* (*Chem.*).

Chaplain

Wallis, Rev. J. C., D.S.C., B.A., L.Th.

ST. CHAD'S COLLEGE. Founded 1904. *Telephone*: Durham 81.

Principal—Rev. T. S. Wetherall, M.A. Oxon.

Vice-Principal and Chaplain—Rev. D. L. Popplewell, B.A. Oxon.

Tutors

Larmour, Rev. R. V., M.A., *Librarian.*

Collinge, N. E., M.C., M.A. Camb., *U. Lectr.* (*Class.*).

ST. JOHN'S COLLEGE. Founded 1909. *Telephone*: Durham 306.
Principal—Rev. Canon R. R. Williams, M.A. Camb.
Vice-Principal—Rev. G. J. Cuming, M.A.

Tutors
Stanbridge, Rev. L. C., B.A., *Chaplain.*
Widdess, Rev. A. G., M.A.
Peters, Rev. L. V., M.A., *Bursar.*

BEDE COLLEGE.* Founded 1841. *Telephone*: Durham 447.
Principal—Rev. Canon G. E. Brigstocke, M.A. Oxon.
Vice-Principal—D. E. Webster, B.Sc., M.Ed.

Lecturers
Pearson, Rev. L. R., M.A., *Chaplain.*
Selby, E., M.A.
Hannah, J. B., M.A.
Powell, J. K.
Carrick, J., B.Sc.
Dyer, F. G., B.Com.
Hart, W., M.A.
Whiteley, E., B.Sc.
Lishman, W., B.Sc.
Tones, R. M., B.Sc.

ST. CUTHBERT'S SOCIETY (Non-Collegiate Men Students).
Founded 1871. *Telephone*: Durham 1268.
Principal—E. H. U. de Groot, M.A. Oxon., *U. Lectr.* (*Hist.*).

Tutors
Christie, G. H., M.Sc., Ph.D. Sheff., F.S.A., *U. Sr. Lectr.* (*Chem.*).
Harding, F. J. W. M.C., M.A., B.Litt. Oxon.
Hewitt, E. A., B.A. Brist., *U. Lectr.* (*Educn.*).
Holmes, C. W., M.A., *U. Lectr.* (*Geog.*).
Moos, S., Dip. Econ. Berl., *U. Lectr.* (*Econ.*).
Stewart, F. H., B.Sc. Aberd., Ph.D. Camb., F.G.S., *U. Lectr.* (*Geol.*).
Thornhill, Rev. R., M.A., *U. Lectr.* (*Hebrew*).
Thornton, S., B.Sc., Ph.D., *U. Lectr.* (*Phys.*).
Williams, R. T., M.C., B.A. Wales, *U. Lectr.* (*Class.*).
Willmore, T. J., M.Sc., Ph.D. Lond., F.R.A.S., *U. Lectr.* (*Maths.*).

Chaplain
McDermott, Rev. R. P., B.A. Dub.

Secretary
Butters, A. A. H., B.A. Oxon.

ST. MARY'S COLLEGE. Founded 1899. *Telephone*: Durham 10.
Principal—Margaret B. Fergusson, M.A. St. And. and Camb.

Tutors
Calvert, Florence I., M.A. Sheff., *U. Lectr.* (*Educn.*).
Derville, Leonore M., B.A.
Telfer, Jean M., M.A., B.Litt. Oxon., *U. Lectr.* (*French*).
Fage, Christine M., M.A. Camb., *Sec. U. pt.-time Lectr.* (*Engl.*).

Bursar
Winter, Miss S.

Chaplain
McDermott, Rev. R. P., B.A. Dub.

* Training College under the Ministry of Educn. recognized as a Coll. of the Durham Division of the Univ.

ST. AIDAN'S SOCIETY (Non-Collegiate Women Students).
Founded 1947. *Telephone*: Durham 635.
Principal—Ethleen M. Scott, M.A. Lond.

Tutors
Chalklin, Kathleen M., M.Sc. Wales, *U. Lectr.* (*Bot.*).
Sladden, Elizabeth M., B.A., *Sec.*
Whitehouse, Mrs. W. A., M.A.

Chaplain
McDermott, Rev. R. P., B.A. Dub.

## LICENSED HALLS OF RESIDENCE

ST. HILD'S COLLEGE.* Founded 1858. *Telephone*: Durham 91.
Principal—Nina M. E. Joachim, M.A. Oxon.

NEVILLE'S CROSS COLLEGE.† Founded 1921. *Telephone*: Durham 325.
Principal—Netty M. Lunan, M.A. Oxon. and Aberd.

## GENERAL INFORMATION

The Univ. was founded in Durham in 1832 after two abortive attempts in earlier centuries. Halls of Residence were opened and were later recognized as constituent Colls. at various times during the course of the last hundred years. Women have been admitted to Durham since 1896 and non-Collegiate students since 1871. Until 1946 all Durham 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 Soc. or St. Aidan's Soc. and live in licensed lodgings in the City, at Shincliffe Hall or at home.

INCOME (1951–52). £207,221.

LIBRARY. Univ. Library contains more than 125,000 volumes, including 187 incunabula and extensive collections of older books notably on Patristics and Engl. hist. 2 large sections, for Sci. and Oriental Studies, the latter of which contains valuable sp. material, are separately housed.

OBSERVATORY. Erected in 1841; equipped for work in astron., meteorol. and seismol.; library includes valuable collection of periodicals and other publicns. on these subjects.

ADMISSION. Those wishing to read in the Durham Colls. for a degree (awarded by the Univ. of Durham) must satisfy the Univ. matric. requirements (*see* Appendix I). Applications for admission should be made to one of the Colls., and *not* to the Univ. Office or to one of the depts.

FEES (including tuition, board and lodging and subscriptions). Univ. and Hatfield, annual charges—caution money, £5; Arts, £176; Sci., £185. St. Chad's and St. John's, annual charges—caution money, £5; Arts, £180; Sci., £189. St. Mary's, annual charges—caution money, £5; Arts, £170; Sci., £179. The fees payable in the remaining Colls. vary with the means of

* Training Coll. under Ministry of Educn. recognized as a Coll. of the Durham Div. of the Univ.

† Training Coll. under Ministry of Educn. licensed by the Council of the Durham Colls. as a place of residence for students reading for degrees in the Durham Division of the Univ.

the students. Students of St. Cuthbert's Soc. and students of St. Aidan's Soc. pay £45 in Arts and £54 in Sci., tuition fee. In addition, all students pay £5 subscription to Sports Clubs and Societies. For fees for matricn., examns. and degrees, *see* Univ. section *above.*

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

SCHOLARSHIPS. 10 Foundation Scholps. or Exhibitions are awarded by examn. each yr. The annual value of a Scholp. is £70, and an Exhibition, £40. Other Scholps. available are : The Pears, £40 ; The Pemberton, £40 ; The Wansbrough, £50 ; The Horsfall (3), £40 ; The Christopher Mather, £40 ; The Organ (2, one each in Univ. C. and Hatfield C.), £40 each ; The Winifred Foster, £40 ; The Ellerton, £40 ; The Winchester, £40 ; The Hatfield, £40. All may qualify for supplementation by the Ministry of Education.

PUBLICATIONS. *Durham Colleges Handbook* (Sept.) ; *Durham Colleges Gazette* (twice a term) ; *The New Durham* (students) ; *Palatinate* (students' newspaper).

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Rockefeller Foundation, £9900 over 3 yrs., towards expenses of a study of Mod. Nr. Eastern Cultures ; Nature Conservancy, £1800 over 3 yrs., towards cost of a study of biol. of Stoneflies in Upper Tees ; Dr. and Mrs. H. N. Spalding of Oxford, (*a*) £8750 over 5 yrs., to defray costs of instituting for exper. period a Lectureship in Indian Philos. and Relig. and a Lectureship in Chinese Philos. ; (*b*) £2500 to buy books for Library of Sch. of Oriental Studies ; (*c*) 6000 Chinese and Japanese books.

NEW BUILDINGS. New bldg. for Maths. and Geog. (known as West Bldg.) ; Applebey Lecture Theatre.

NEW DEPARTMENT. Psychol.

ADULT EDUCATION WORK. 83 courses completed in the full session (57 Tutorial Classes and 26 Sessional Classes). There were also 2 Univ. Evening Courses, 30 Extension Lecture Courses, 1 Tutors' Trg. Course and a Trg. Excavation. New developts. included full-time Courses in " Industrial Relations," a Course in " Recent Biological Research " and Courses in Statistics.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. F. van Steenberghen, Louvain ; Lord Bishop of Swansea and Brecon, Dr. E. W. Williamson, " Biography and Hagiology in 12th Century Britain " ; Prof. R. Willard, Texas, " Texas Negro Oratory " ; Prof. I. L. Foster, Oxon., Seminars on Celtic Manuscripts and Scripts ; Prof. W. Clemen, Munich, " Some Aspects of Shakespeare's Dramatic Art " ; Prof. J. Bony, Inst. Français, " Le Milieu Artistique au XVII$^{eme}$ Siècle " ; Prof. H. H. Borcherdt, Munich, " Faustidee und Menschheitsproblem."

VISIT OF MEMBER OF STAFF TO OTHER COLLEGE. W. W. Taylor, Staff Tutor in Extra-Mural Studies, seconded to Fourah Bay Coll. for whole of session.

RESIGNATION. Prof. A. L. Sells (French), apptd. to Indiana U.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 57 | 895 |
| Women | 23 | 259 |
| Total | 80 | 1154 |

Postgraduate students, 174.
New admissions, 358.
Students (full-time) from other countries, 24. (Country from which largest number came: Anglo-Egyptian Sudan, 4.)

DEGREES AWARDED. *Arts*: B.A., 150; M.A., 9; Ph.D., 2; *Educn.*: M.Ed., 1; Ph.D., 1; *Sci.*: B.Sc., 102; M.Sc., 3; Ph.D., 3. *Total number of first degrees awarded*, 252.

DIPLOMAS AND CERTIFICATES AWARDED. *Arts*: Dip.Ar., 1; *Div.*: Dip. Bib. St., 1; Dip. Theol., 26; *Educn.*: Dip. Educn., 90.

[*Information compiled as at* 26/5/53 ;
*Staff list revised on* 30/9/53.]

# KING'S COLLEGE, NEWCASTLE UPON TYNE

Founded 1937

*Postal Address* : Newcastle upon Tyne, 1, England.
*Telephones* : College—Newcastle upon Tyne 23401.
Medical School—Newcastle upon Tyne 21601.
Sutherland Dental School—Newcastle upon Tyne 24176.

CHAIRMAN OF COUNCIL—The Rt. Hon. THE VISCOUNT RIDLEY, C.B.E., D.C.L.

RECTOR—CHARLES ION CARR BOSANQUET, M.A. Oxon. and Camb., D.C.L. (Pro-Vice-Chancellor of the University).

SUB-RECTOR—Professor D. T. JACK, C.B.E., M.A. Glas., J.P.

DEAN OF MEDICINE—Professor R. B. GREEN, M.B., B.S. Lond., M.A., D.C.L., F.R.C.S.

REGISTRAR—G. R. HANSON, B.A.

BURSAR—J. TELFER, M.Com.

LIBRARIAN—W. S. MITCHELL, M.A. Edin., Ph.D. Aberd.

## TEACHING STAFF

*Accounting*

Nolan, F. E. V. Lectr.

*Agriculture and Rural Economy*, v. *infra*

*Anatomy*, v. Med. *infra*

*Anthropology*

Meinhard, H. H., Dr.phil. Bonn, F.R.A.I. Reader.
Sheddick, V. G. J., B.A. Wales, Ph.D. Lond., F.R.A.I. Lectr.

*Archæology*, v. Classics

*Architecture*

Edwards, W. B., B.Arch. Liv., M.A. Manc., F.R.I.B.A. Prof.

Lecturers

Turley, R.
Napper, J. H., M.A., Dip.T.P.
Spence, C. C., B.A.
Allsopp, H. B., B.Arch., Dip.C.D. Liv.
Williamson, W. H., Cert. Arch.
Fielden, F., Dip.Arch. Manc.
Wharfe, H., Dip.Arch., Dip.T. and C.P. Leeds.
Chalk, D. W., Dip.Arch., Cert. T.P. Manc.
Wood, H. S., Dip.Arch., Dip.T. and C.P. Edin.
Pinkney, W. P., Dip.Arch. Dir. of Evening Sch.

*Bacteriology*, v. Med. *infra*

*Botany*, v. also *infra* Agric.

Thomas, M., M.A. Camb., F.R.S. Prof.
Blackburn, Kathleen B., D.Sc. Lond., F.L.S. (Cytol.) Reader.

Lecturers

Clark, W. A., B.Sc., Ph.D. St. And.
Fothergill, P. G., B.Sc., Ph.D.
Richardson, J. A., M.Sc.
Ranson, S. L., B.Sc., Ph.D.
Moss, Betty L., M.Sc., Ph.D. Lond.
Brown, J. M. A., B.Sc. Demr.

*Chemistry*, v. also *infra* Agric.

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. and Dir. Coke Res.

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., A.R.C.S., D.I.C., F.R.I.C.

Aynsley, Rev. E. E., M.Sc., Ph.D., D.Th.P.T., F.R.I.C.

Harris, J. O., B.Sc., Ph.D. Lond., F.R.I.C.

Swan, G. A., B.Sc., Ph.D., F.R.I.C.

Jack, K. H., M.Sc., Ph.D., F.R.I.C.

Dodd, R. E., M.A., B.Sc. Oxon., 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 (Phys. Chem.).

McQuillin, F. J., M.A., D.Phil. Oxon.

Trenwith, A. B., B.Sc. Lond., Ph.D.

Peacock, R. D., B.Sc., Ph.D.

Fleischmann, M., B.Sc., Ph.D. Lond. I.C.I. Fellow.

Beck, W. H., B.Sc. St. And. Turner and Newall Fellow.

Clarke, J. C., B.Sc. Demr.

Research Assistants

Mitchell, Agnes G., B.Sc. St. And.

Briggs, G. W. D., B.Sc., Ph.D.

Campbell, R., B.Sc.

*Classics and Ancient History*

Fletcher, G. B. A., M.A. Camb. (Latin) Prof. and Hd. of Dept.

Richmond, I. A., M.A. Oxon., LL.D. Edin., F.B.A., F.S.A. (Roman-Brit. Hist. and Archæol.) Prof.

Hudson-Williams, H. L., B.A. Wales, M.A. Camb. (Gk.) Prof.

Lecturers

Anderton, Mrs. Constance M., M.A.

Whittick, G. C., M.A. Oxon.

Sims, B. J., M.A. Camb.

Garton, C., M.A. Lond.

Crossland, R. A., M.A. Camb. and Yale (Anc. Hist.).

Gillam, J. P., M.A.

Smith, D. J., B.A., Ph.D. Res. Asst.

*Coke Research*

Blayden, H. E., B.Sc. Lond., F.R.I.C. Asst. Dir. of Lab.

Marsh, H., B.Sc., Ph.D. Asst. Chemist.

Thomson, Mrs. Christina M., B.Sc., Ph.D. Glas. Res. Asst.

*Dental Surgery*, v. *infra*

*Divinity*

Allen, Rev. E. L., M.A., Ph.D. Lond., D.D. Aberd. Lectr.

Boobyer, G. H., B.A. Brist., B.A., B.D. Lond., D.Th. Heidel. Lectr.

*Economics and Social Studies*, v. also Accounting

Jack, D. T., C.B.E., M.A. Glas., J.P. David Dale Prof.

McCallum, E. D., M.A. Glas. (Indust. Orgn.) Reader, Dean, Fac. of Econ. Studies.

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. All. (Social Studies).
Airth, A. D., B.A.

*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., D.P.E. Leeds.
Haslewood, Mrs. Doreen C.
Eden, Alice, B.A. Liv. and Lond.
Dobson, J. L., M.A., M.Ed.
Hockey, S. L., M.A. Brist.
Morley, Muriel E., B.Sc. (Speech).
Mittins, W. H., B.A. Lond.
Smith, I. M., B.Sc., M.A., Ed.B. Glas., Ph.D. Manc.
Rockett, K., M.A. Manc.

*Engineering, Civil*
Cassie, W. F., Ph.D. St. And., M.S. Ill. Prof.

Lecturers
O'Grady, S. C., M.C., A.F.C., B.A., B.A.I. Dub.
Isaac, P. C. G., B.Sc. (Eng.) Lond., S.M. Harv.
Cooper, D. W., B.Sc. (Eng.) Lond.
Williams, T. E. H., M.Sc. Wales, Ph.D., F.S.S.
Robson, A. G., B.Sc.

*Engineering, Electrical*
Prescott, J. C., D.Eng. Liv. Prof.

Lecturers
Livingston, E. A., M.Sc.
Ritson, F. J. U., B.Sc.
Short, P., M.Sc. (Eng.) Lond.
Carter, A. O., M.Eng. Liv.
Walley, C. A., B.Sc., Ph.D. Manc.
Kennair, J. T., B.Sc. Demr.

*Engin., Mechanical and Marine,* v. also Nav. Arch.

Burstall, A. F., D.Sc. Melb., Ph.D. Camb., M.Sc. (Eng.) Birm., F.I.I.A.
Prof. and Dir. of Stephenson Engin. Labs.
M'Ewen, E. G., M.Sc. (Eng.) Lond. (App. Mechanics) Reader.
Patterson, W. S., D.Sc., Ph.D. Lond., M.Sc. Leeds, F.R.I.C. (Fuel Science) Reader.

Lecturers
Talbott, A. C., M.Sc. Birm.
Beeley, E. W., M.Sc. Tech. Manc.
Hiscock, R., M.Sc.
Robinson, F. B.Sc. (Eng.) Lond.
Gilchrist, A., B.Sc.
Jones, A. W., B.Sc. (Marine Engin.).
Martin, B. W., M.Sc. Brist.
Forsyth, J. S., B.Sc. Glas., Ph.D. Leeds (Chem. Engin.).
Ginty, A. G., B.Sc. (Chem. Engin.).
Owen, B. S., M.A. Camb.
. . . . . .
Bartley, A. J., B.Sc.
Thomas, E. R., O.B.E., M.A. Camb., M.Sc. Wales, D.C.L. (Engin. Admin.).
Gregory, R. W., B.A. Camb. I.C.I. Fellow.

*English Language and Literature*
Butt, J. E., B.Litt., M.A. Oxon. Joseph Cowen Prof., Dean Fac. of Arts.

Lecturers
Elmes, R. S., M.A. Camb.
Macdonald, A., M.A., Ph.D. Edin.
Ure, P., M.A. Liv.
Maxwell, J. C., M.A. Oxon.
Carr, Barbara M. H., M.A. Lond.
Bland, D. S., M.A. Camb.

*Fine Art*

Gowing, L., C.B.E., M.A. Prof. and Dir. of School.

Masters

Evetts, L. C., M.A. (Design).
McCheyne, J. R. M., D.Art Edin. (Sculpture).
de Grey, R. (Painting).

Lecturers

Dalby, Helen A. (Textile Des.).
Dudley, G. M. (Sculpture).
Bell, Q. C. S. (Art Educn.).
Holland, R. B. (Hist. of Art).
Knox, S. R. I., B.A. Lond. (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.
Hope, T. E., D.S.C., M.A. Oxon.
Dubois, Mrs. Elfriede T., M.A. Birm., Dr. Phil. Vienna.
Barrot, Simone, L. ès L. Paris Lectrice.

*Geography*, v. also Anthropology

Daysh, G. H. J., B.Litt. Oxon., F.R.A.I. Prof., Dean Fac. of Sci.

Lecturers

House, J. W., M.A. Oxon.
Conzen, M. R. G., M.A., Dip.T.P. Manc.
Anson, W. W., B.Sc.
Mather, D. B., B.A. Lond.

*Geology*

Westoll, T. S., D.Sc. Aberd., B.Sc., Ph.D., F.R.S., F.G.S. J. B. Simpson Prof.

Tomkeieff, S. J., D.Sc., F.G.S. (Mineral.) Reader.

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., Ph.D., F.G.S.

*German and Scandinavian Studies*

Mennie, D. M., M.A. Aberd., Dr.Phil. Kiel Reader.

Lecturers

Sinclair, R. F., M.A. Edin.
McFarlane, J. W., M.A., B.Litt. Oxon.
Ward, A., B.A.
Jensen, N. L., cand. mag. Copenhagen (Danish).

Lectors

Masé, A., Dr.Phil. Zürich (German).
Gustafsson, Lillemor, fil. mag. Lund. (Swedish).

*History, Ancient*, v. Classics

*History, Modern*

Burn, W. L., M.A. Oxon., J.P. 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.
Hughes, E. W., M.A., B.Litt. Oxon. (Pol.).
Beckingsale, B. W., M.A. Camb.
Fawcett, Mrs. Elizabeth C. H., B.A. Manc.
Jones, J. R., M.A., Ph.D. Camb.

*Law*

Ryder, E. C., M.A., LL.B. Camb. Prof., Dean.

Lecturers
Johnson, E. L., M.A., LL.B. Camb.
Heath, E. J., M.A., B.C.L. Oxon.
Clark, J. B., B.A., LL.B.

*Mathematics*
Rogosinski, W. W., Dr.Phil. Gött. Prof. Pure Maths., Reader Math. Anal.
Green, A. E., M.A., Ph.D., Sc.D. Camb. (Appl. Maths.) Prof.

Lecturers
Colborne, D. C., M.A. Camb.
Gilbert, C., B.Sc., Ph.D. Lond.
Wilkes, E. W., M.A., B.Sc. Oxon.
Mitchell, K., B.A., Ph.D. Camb., F.R.A.S.
Bonsall, F. F., M.A. Oxon.
Goldie, A. W., M.A. Camb.
Wassermann, G. D., B.Sc., Ph.D. Lond.
Weston, J. D., B.Sc., Ph.D. Lond.
Evans, D. A., B.Sc. Birm., Ph.D. Camb., F.S.S. (Stats.).
Harrop, R., M.A., Ph.D. Camb.
Chadwick, Mrs. Mary, B.Sc. Liv.
Craggs, J. W., B.Sc., Ph.D. Manc.
Wall, G. E., B.Sc. Adel., Ph.D. Camb.

*Metallurgy*
Preece, A., M.Sc. Wales, F.I.M. William Cochrane Prof.

Lecturers
Parkins, R. N., B.Sc., Ph.D.
Gilchrist, J. D., B.Sc., Ph.D. Glas.
Tylecote, R. F., M.A. Camb., M.Sc. Manc., Ph.D. Lond., F.I.M.

*Mining*
Potts, E. L. J., M.Sc. Milburn Prof.
Jenkins, J. D., M.Sc. Wales Reader.

Lecturers
Robinson, H. Y., M.Sc.
Pearson, G. M., B.Sc.
Bell, W. B., B.Sc.

*Music*
Burns, C., M.A., Mus.B. Camb., Mus.Doc. Edin., F.R.A.M. Lectr. and Dir. of Dept. in Newcastle.

Lecturers
Hudson, F., D.Mus., F.R.C.O.
Barlow, D., M.A., Mus.B. Camb.

*Naval Architecture*
Burrill, L. C., M.Sc., Ph.D. Prof. and Dir. of Res. Labs., Dean, Fac. of Appl. Sci.

Lecturers
Muckle, W., M.Sc.
McLachlan, J. E.
Baxter, B. N., M.Sc.
Emerson, A., M.Sc. Asst. Dir. of Res. Labs.

Research Assistants
Robson, W., B.Sc. (Eng.) Lond.
Townsin, R. L., B.Sc.

*Philosophy, Mental and Moral*
Britton, K. W., M.A. Camb., A.M. Harv. Prof.

Lecturers
Russell, D. C., B.A. Lond., A.M. Harv. (Psychol.).
Midgley, G. C. J., M.A., B.Phil. Oxon.
Strang, C., M.A., B.Phil. Oxon.

*Physics*
Curtis, W. E., D.Sc. Lond., A.R.C.S., D.I.C., F.I.P., F.R.S., F.R.A.S. Prof., Dir. of Dept.
Rushbrooke, G. S., M.A., Ph.D. Camb. (Theoretical P.) Prof.
Richardson, E. G., B.A., Ph.D., D.Sc. Lond. Reader.

Lecturers
Wood, J. F., M.Sc.
Darbyshire, O., M.Sc. Manc., F.I.P.
Roscoe, R., B.Sc., Ph.D. Lond.

Schneider, E. E., Dr.phil.nat. Freiburg, F.I.P.
Littlefield, T. A., B.Sc., Ph.D.
Thorley, N., B.Sc., Ph.D. Leeds, F.I.P.
Bolton, H. C., B.Sc., Ph.D. Lond.
Lawley, L. E., B.Sc. Wales, Ph.D.
Brown, D. C., B.Sc. Demr.
Morris, T. A., B.Sc. Lond. Demr.
Scoins, H. I., M.A., D.Phil. Oxon. Res. Asst.

*Physiology*, v. Med. *infra*

*Psychology*, v. Philosophy

*Spanish*

..... Reader.

Lecturers

Blair, Mrs. Jessie M., M.A. Edin.
Reid, K. S., B.A. Durh. and Lond., Ph.D.
Taylor, A. L., B.A. Sheff.
Fernández González, María T., L. en Fil. y Let. Madrid Lectora.

*Speech*, v. Education

*Surveying*

Fryer, D. H., O.B.E., M.Sc., F.R.I.C.S. Reader.

*Town and Country Planning*

Allen, J. S., B.Arch. Liv., F.R.I.B.A. Prof.

Lecturers

Hackett, B., M.A. (Landscape Archit.).
Taylor, P., Dip.Arch., Dip.C.D. Liv.
Riley, C. F., Dip.Arch., Dip.T.P. Manc.
Thomas, D. L.
Sutherland, A. C., B.Sc., Dip. Arch. Glas.
Melville, I. S., B.Arch., Dip.C.D. Liv.
Charlesworth, His Honour Judge J., LL.D. Lond. (Town Planning Law).
Ogden, W. M., B.Sc. Manc.
Roberts, Mrs. Nora, B.Arch. Liv.
Rhodes, J.
Buckley, R. M.
Forsyth, A. R., Dip.T.P.

*Zoology*

Hobson, A. D., M.A. Camb. Prof. and Dir. of Dove Marine Lab.
Bull, H. O., D.Sc., Ph.D. Lond. (Marine Biol.) Asst. Dir. Marine Lab., Reader.
Burtt, E. T., M.A., Ph.D. Camb. (Entomol.) Reader.

Lecturers

Steel, A., M.Sc. Wales.
Ellenby, C., D.Sc., Ph.D. Lond.
Philip, Anna U., Dr.phil. Berl.
Shaw, J., M.A. Camb.
Philipson, G. N., B.Sc., Ph.D.
Percy, Lord Richard C., B.Sc.
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.
Brown, Mrs. Margaret M., B.A. Camb. Demr.
Onions, T. G., B.Sc. Sheff.

**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.

Lecturers

Hall, J. S., B.Sc.
Main, A., B.Sc. (Est. Management).
Mitchell, T. M. (Anat. and Physiol. of Farm Animals).
Duckworth, J. E., B.Sc. Asst.
Ferguson, N. L., B.Sc. Res. Asst.

*Agricultural Botany*

Jones, M., M.Sc. Wales Prof.
Clark, Mrs. Helena H., M.Sc. Lectr.
Williams, W., M.Sc. Wales Lectr.
Blackburn, F., B.Sc. Demr.

*Agricultural Chemistry*

Thomas, B., M.Sc., F.R.I.C.
Reader and Asst. Director.

Lecturers

Hunter, F., B.Sc.
Thompson, A., M.Sc.
Armstrong, D. G., M.Sc.

Demonstrators

Armstrong, R. H., M.Sc.
Tomlinson, Jean, B.Sc.
Smith, A. N., B.Sc.

*Agricultural Economics*

Dinsdale, D. H., M.A., F.R.E.S.
Asst. Dir.

Provincial Agric. Econ. Service

Dinsdale, D. H., M.A., F.R.E.S.
Prov. Agric. Econ.
Carpenter, E. M., M.A. Oxon.
Sr. Agric. Econ.
Dudman, R. A., M.A. Oxon.
Sr. Agric. Econ.
Winter, T., Dip.Agric.
Agric. Econ.
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.

*Agricultural Engineering*

M'Ewen, E. G., M.Sc. (Eng.) Lond.
Prof. and Reader in Appl. Mechanics.
Fail, H., B.Sc. Lectr.
Nicholson, A. J., B.A. Camb. (Farm Machinery) Lectr.
Willetts, B. F., B.Sc. Birm., M.Sc.
Res. Asst.

*Agricultural Entomology*

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

**Dental Surgery**

Bradlaw, R., C.B.E., D.D.Sc. Melb., D.D.S. Montr., M.D.S., F.R.C.S., F.D.S.R.C.S.
Dean and Dir. of Dental Studies.
Boyes, J., F.R.C.S., F.D.S.R.C.S.
Prof. and Sub-Dean.

*Children's Dentistry*

Hallett, G. E. M., M.D.S., F.D.S.R.C.S. Prof.

*D. Anæsthetics*

Pask, E. A., O.B.E., M.A., M.D., B.Chir. Camb., D.A., F.F.A.R.C.S. Prof.

*D. Electrotherapeutics*

Chalmers, J., M.B.E., F.D.S.R.C.S., J.P. Lectr.

*D. Jurisprudence and Practice Management*

Bradlaw, R. (v. Oral Pathol.)
Lectr.

*D. Materia Med. and Therap.*

Hopper, F. E., B.D.S., F.D.S.R.C.S. Lectr.
Philpott, C. E., L.D.S. Lectr.

*D. Metallurgy and Materials*

Farrell, J. H. (v. D. Mechs.).

*D. Prosthetics and Mechanics*

Tregarthen, G. G. T., M.D.S., F.D.S.R.C.S. Prof.
Farrell, J. H. Lectr.

*Ear, Nose and Throat, Diseases of*

McGuckin, F., M.D., B.S., F.R.C.S.Ed. Lectr.

*Operative D. Surgery*

Lovel, R. W., D.D.S. Northwestern, F.D.S.R.C.S. Prof.
Allan, D. N., D.D.S. Northwestern, B.D.S. Lectr.

*Oral Anatomy*

Tonge, C. H., M.B., B.S., B.D.S. Lectr.

Perrott, J. W. Lectr.

*Oral Medicine*

Boyes, J., F.R.C.S., F.D.S.R.C.S. Nuffield Prof.

*Oral Pathology*

Bradlaw, R., C.B.E., D.D.Sc. Melb., D.D.S. Montr., M.D.S., F.R.C.S., F.D.S.R.C.S. Prof.

Simpson, H. E., B.D.S. Lectr.

*Oral Physiology*

Jenkins, G. N., M.Sc. Liv., Ph.D. Camb. Lectr.

*Oral Surgery, Minor*

Smith, H. A., L.D.S. Lectr.

*Orthodontics*

Hallett, G. E. M. (v. Children's Dentistry) Lectr.

Littlefield, W. H., B.D.S. Lectr.

*Periodontal Diseases*

Hopper, F. E., B.D.S., F.D.S.R.C.S. Lectr.

*Public Dentistry*

Robinson, A. E., F.D.S.R.C.S. Lectr.

*Radiology*

Haswell, S. V. Lectr.

*Venereal Diseases*

Macfarlane, W. V. (v. Ven. Dis. *infra*) Lectr.

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Clinical Teachers in Newcastle upon Tyne Dental Hospital

H. Davis, F.D.S.R.C.S.; S. V. Haswell; J. J. Long, L.D.S. Glas.; J. E. Daniels, L.D.S.; G. Johnson, L.D.S.; G. E. Hutchinson, L.D.S.; C. E. Shafto, B.D.S.; J. Chalmers, M.B.E., F.D.S.R.C.S., J.P.; H. A. Smith, L.D.S.; W. H. Littlefield, B.D.S.; P. H. Burke, B.D.S.; A. Kinghorn, D.D.S. Northwestern.

**Medicine**

Green, Prof. R. B., M.B., B.S. Lond., M.A., D.C.L., F.R.C.S. Dean.

Armstrong, C. N., M.D., B.S., B.Hy., D.P.H., F.R.C.P. Clinical Sub-Dean.

*Anæsthetics*

Pask, E. A., O.B.E., M.A., M.D., B.Chir. Camb., D.A., F.F.A.R.C.S. Prof.,

Robson, J. G., M.B., Ch.B. Glas., D.A. First Asst.

Davison, M. H. A., M.B.E., T.D., M.D., B.S., D.A., F.F.A.R.C.S. Lectr.

Clinical Teachers

Ayre, T. P., F.F.A.R.C.S.

Murray, J. L., M.B., B.S.

Houston, Mrs. Winifred M., M.B., B.S.

Osselton, Mrs. Eleanor W., M.B., B.S.

Horton, J. A. G., M.B., B.S. Lond., D.A.

Shafto, C. E., M.B., B.S., B.D.S., D.A.

Mackenzie, A., M.B., B.S., D.A.

Tate, E. I., M.B., B.S., D.A.

Watts, Mrs. Sarah B. W., M.B., B.S.

Wheldon, J. T., M.B., B.S., D.A.

Bell, Mrs. Kathleen M. W., M.B., B.S.

Millar, Mrs. Edith J., M.B., B.S., F.F.A.R.C.S., D.A.

Ritchie, B. W. T., M.A. Camb., 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., J.P. Prof. and Deputy Dir

Lecturers
Tonge, C. H., M.B., B.S., B.D.S.
Barlow, T. E., M.D., Ch.B. Manc.
Gray, J. E., M.B., B.S.
Cauna, N., Dr. Latvia.
Perrott, J. W.
Warrick, C. K., M.B., B.S. Lond., F.R.C.S. (Radiol. Anat.).

Demonstrators
Robson, H. E., M.B., B.S.
Main, P. T., M.B., Ch.B. Aberd.

*Bacteriology*
Dunlop, E. M., M.C., M.D. Glas., M.A. Prof.

Lecturers
Emslie-Smith, A. H., M.B., Ch.B. Aberd.
Emslie-Smith, Mrs. Muriel, M.Sc.
Miller, T. K., B.Sc., D.Th.P.T.
Green, C. A., M.D., Ch.B., Ph.D., D.P.H. Edin.
Porter, I. A., M.B., Ch.B. Glas.
Kirkup, J., M.B., B.S. Demr.

*Cancer Research*
Hon. Members of College Staff
Thurgar, C. J. L., M.B., B.S. Lond., F.R.C.S.
Farmer, F. T., B.Sc. (Eng.) Lond., Ph.D. Camb., F.I.P.

*Child Health*
Spence, Sir James C., M.C., D.Sc. W. Aust., LL.D. Cincinnati, M.D., B.S., F.R.C.P. Nuffield Prof.
Court, S. D. M., M.D., Ch.B. Birm., D.C.H. Cow and Gate Reader.

Lecturers
Davison, G., M.D., B.S., D.C.H., F.R.C.P.
Miller, F. J. W., M.D., B.S., D.C.H.
Neligan, G. A., B.M., B.Ch. Oxon.
Walker, W., M.D., B.S.
Davison, G., M.D., B.S., D.C.H. (Clin. Pæd.).
Miller, F. J. W., M.D., B.S., D.C.H. (Clin. Pæd.).
Ellis, E., M.A., M.B., B.Chir. Camb., D.C.H. First Asst.

Associate Clin. Teachers
Brewis, E. G., M.D., B.S., D.P.H., F.R.C.P.
Cooper, Christine E., M.A., B.Chir. Camb., D.C.H.
Heycock, J. B., M.C., D.C.H.
Stansfeld, J. M., M.A., M.D., B.Chir. Camb.
Knox, E. G., M.B., B.S. Nuffield Res. Asst.

*Dentistry*, v. *supra*

*Dermatology*
Thompson, S., M.D., B.S. Lectr.
Bolam, R. M., M.A., M.D., B.Chir. Camb. Clin. Teacher.

*Diseases of the Ear, Nose and Throat*
McGuckin, F., M.D., B.S., F.R.C.S.Ed. Lectr.

Clinical Teacher
Black, J. I. M., M.D., M.S., F.R.C.S.

*Hygiene*, v. Pub. Health

*Industrial Health*
Browne, R. C., M.A., D.M. Oxon. Nuffield Prof.
McCallum, R. I., M.D., B.S. Lond. First Asst.
Leathart, G. L., B.A., M.B., B.Chir. Camb. Temp. First Asst.

Social Assistants
Forsyth, Catherine M., D.S.S. Glas.
Wilkes, Ruth, B.A. Birm.
Wiggans, Katherine C., M.A.
Steel, J., B.Sc. Chemist.

*Medical Jurisprudence*

Stephenson, G. E., M.C., B.Sc., M.D., B.S. Lectr.

*Medicine*

Nattrass, F. J., M.D., B.S., F.R.C.P. Prof.
Smart, G. A., B.Sc., M.D., F.R.C.P. Reader.
Brewis, E. G., M.D., B.S., D.P.H., F.R.C.P. (Infect. Dis.) Lectr.
Thompson, R. B., M.D. First Asst.

Lectrs. in Clin. Medicine

Armstrong, C. N., M.D., B.S., B.Hy., D.P.H., F.R.C.P.
Ogilvie, A. G., M.D., B.S., F.R.C.P.
Ungley, C. C., M.D., B.S., F.R.C.P.
Boon, T. H., M.D., B.S.
Dewar, H. A., M.D., B.S.
Miller, H. G., M.D., B.S., D.P.M.
Walton, J. N., M.D., B.S. Res. Asst.
Murchison, Mrs. Dorothy J., B.Sc. Res. Asst.
Cole, D. F., B.Sc., Ph.D. Birm. I.C.I. Fellow.

*Midwifery and Gynæcology*

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., M.S., F.R.C.S., F.R.C.O.G.
Russell, J. K., M.B., Ch.B. Aberd.
Johnson, G. T., M.B., B.S. Lond. First Asst.
Hunter, W., M.D., B.S., F.R.C.O.G. Clin. Teacher.

Clin. Teachers at Newcastle General Hosp.

Arthur, H. R., M.B., B.S., F.R.C.S.
Kerslake, Dorothy M.

*Ophthalmology*

Ingram, H. V., O.B.E., T.D., M.B., B.S., D.O.M.S. Lectr.

Clinical Teachers

Arkle, J. S., O.B.E., M.B., B.S., F.R.C.S.Eng. and Ed.
Lake, L. H., M.B., B.S., D.O.M.S.
Howat, J. M. L., M.B., Ch.B. St. And., D.O., D.O.M.S.

*Orthopædics*

Irwin, C. G., M.B., B.S., F.R.C.S.Ed. Lectr.
Stanger, J. K., M.B., B.S., F.R.C.S. Clin. Teacher.

*Pathology*

Duguid, J. B., M.D., Ch.B. Aberd. Prof.
Herbert, Freda K., M.A. Camb., M.B., B.S. Lond. (Chem. P.) Reader.

Lecturers

Rannie, I., B.Sc., M.B., Ch.B. Glas.
Schade, R. O. K., M.D. Würzburg.
Hart-Mercer, J., M.B., Ch.B. Edin.
Latner, A. L., M.Sc. Lond., M.D., Ch.B. Liv., D.I.C., A.R.C.S. (Chem. P.).

Demonstrators

Anderson, G. S., M.B., B.S.
Richardson, Margaret W., B.Sc., M.B., Ch.B. St. And.
Hulse, E. V., M.B., Ch.B. Manc.
McQueen, A., M.B., Ch.B. Glas.
Williams, G., M.B., Ch.B. St. And.
Sharp, A. A., B.Sc., M.B., Ch.B. Edin.
Robertson, W. B., B.Sc., M.B., Ch.B. St. And.
Smith, A. J., M.A. Camb., M.B., B.S.
Walton, E. W., M.B., B.S.
Brough, W., M.B., B.S. Luccock Res. Fellow.
Raine, Mrs. Laureen, B.Sc. Luccock Res. Fellow.

*Pharmacology*

Foggan, D. Lectr.

*Photography*

Duncan, C. J., M.A. Camb. Dir.

*Physiology*

Harper, A. A., M.A., M.D., Ch.B. Aberd. Prof.

Lecturers

Saunders, J. A., M.Sc., Ph.D. (Biochem.).

Jenkins, G. N., M.Sc. Liv., Ph.D. Camb.
(Nuffield Lectr. to Dental Students).

Forster, Margaret G., M.A., B.Sc. Aberd., Ph.D.

Falconer, Jacqueline S., B.Sc. St. And., Ph.D. Lond. (Biochem.).

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

Pickles, V. R., M.A., M.D. Camb., D.C.H.

Catton, W. T., M.Sc. Sheff.

Lake, H. J., M.Sc., Ph.D. Birm. (Biochem.).

Wynne, N. A., M.B., B.S.

Schofield, B., M.A., M.B., B.Chir. Camb.

Dowse, C. M., B.Sc. Lond. Temp. Demr.

*Psychological Medicine*

Kennedy, A., M.D. Lond., D.P.M., F.R.C.P., F.B.Ps.S. Prof.

Smith, F. V., M.A. Syd., Ph.D. Lond., F.B.Ps.S.
Consulting Psychologist.

Lecturers

Orton, R., M.D. Leeds, D.P.M.

Garside, R. F., B.Sc. Lond.

Liggett, J., B.Sc. Lond.

Miller, H. G., M.D., D.P.M., F.R.C.P.

Osselton, J. W., B.Sc.

Torrie, A., M.A. Aberd., M.B., Ch.B., D.P.H.

Gittens, J., M.A.

Kiloh, L. G., M.D., B.Sc. Lond., D.P.M. First Asst.

Psychiatric Social Workers

Middleton, Jean G., M.A. Edin.

Brandon, Joanne, B.A.

Farrall, Joan, B.Sc. Res. Asst.

Harries, Joan O., M.A. Oxon. Admin. Asst.

Associate Clin. Teachers

Bamford, C. B., M.D. Liv., D.P.M.

Cuthbert, T. M., D.P.M.

Murray, J. R., M.D. Lond., D.P.M.

Child, J. P., M.A., B.M., B.Ch. Oxon., D.P.M.

McCoull, G., O.B.E., M.D., B.S.

Cobb, Kathleen B., M.B., Ch.B. Edin., M.A. Camb.

*Public Health*

Walton, W. S., G.M., M.D., B.S., B.Hy., D.P.H. Lectr.

Sanderson, A. W., M.B., Ch.B. Edin. (Hospl. Admin.) Lectr.

Patterson, W. G., M.D., Ch.B. Edin., D.P.H., F.R.C.P. (Hospl. Admin.) Lectr.

*Radiology*

Davidson, S. W., M.D., B.S., F.R.C.P., F.F.R. Lectr.

Clinical Teachers

Ramage, D., M.D., Ch.B. Manc., D.M.R.E. Liv.

Houston, B. D., M.B., B.S., D.M.R.

Warrick, C. K., M.B., B.S. Lond., D.M.R., F.R.C.S.Ed.

*Surgery*

Lowdon, A. G. R., M.A., M.B., Ch.B. Edin., F.R.C.S.Ed. 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.).
Walder, D. N., M.D., Ch.B. Brist. (Exp. S.).

Lectrs. in Clin. Surgery
Gilmour, J., M.B., M.S., F.R.C.S.
Whyte, A. H., D.S.O., T.D., M.B., M.S., F.R.C.S.
Hewitson, W. A., M.B., B.S. Lond., M.B., M.S., F.R.C.S.
Brumwell, J., M.B., B.S., F.R.C.S.
Feggetter, G. Y., M.B., M.S., F.R.C.S.
Watts, W. P. T., A.F.C., M.B., M.S., F.R.C.S.Ed.

Clinical Teachers
Jones, J. D. T., M.B., M.S., F.R.C.S.
Hindmarsh, F. D., M.B., M.S., F.R.C.S.

Clin. Teacher at Newcastle General Hosp.
Rose, J. D., M.B., B.S., F.R.C.S.

Tibbs, D. J., M.C., M.B., B.S. Lond., F.R.C.S. First Asst.
Hammersley, D. P., B.A. Med. Artist.

*Venereal Diseases*
Macfarlane, W. V., M.D., Ch.B., D.P.H. Edin. Lectr.

Clinical Teachers
Macfarlane, W. V. (v. *supra*).
Pick, R., M.D. Vienna.

**William Henry Charlton Lecturer**
1952—R. Hinks.

**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, B.A. Lond., J.P.; G. Jobey, D.S.O., M.A.; W. M. Williams, M.A. Oxon.; A. G. Wilson, B.A. Manc.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: H. J. M. Scott, M.B.E., B.Com. (Estates); D. H. Willson, B.A. Oxon.; A. R. Jones, B.A. Oxon.; N. Shott, D.F.C. (at Med. Sch.); T. R. Saunders, B.A. Manc. (at Dental Sch.). Asst. Bursar: L. Scrivener. Cashier: R. Adair, D.P.A. Supervisor of Lodgings: J. Dickinson, M.A., M.Eng. Wardens of Hostels: V. Brown, O.B.E., T.D., M.Sc. (Henderson Hall); Alfreda M. Truesdale, B.Sc., Dip.Ed. Liv. (Ethel Williams Hall); Jacqueline S. Falconer, B.Sc. St. And., Ph.D. Lond. (Easton Hall); Margaret M. Aitchison (Sub-Warden, Easton Hall). Hon. Chaplain: Rev. A. J. Bennitt, M.A.

## GENERAL INFORMATION

The University of Durham College of Medicine was originally founded in 1834 and became associated with the Univ. of Durham in 1852. Armstrong Coll., Newcastle upon Tyne, was founded in 1871, as a part of the Univ. of Durham. In 1937 the two Colls. were merged to form King's Coll., Newcastle upon Tyne, in the Univ. of Durham.

Owing to recent expansions, various depts. of the Coll. are scattered over

a wide area and a plan showing their location is published in the *General Prospectus*.

INCOME (1951–52). £816,793, derived from following principal sources: Parliamentary Grants (Treasury and other Govt. Depts.) 68 per cent., Fees 15 per cent., Local Authorities 3 per cent., Endowments 2 per cent., Donations and Subscriptions 2 per cent., other sources 10 per cent.

LIBRARY, approx. 195,00 vols. and approx. 62,500 pamphlets (including the Med. libraries). There are also departmental libraries. Sp. collections: Heslop, English dictionaries (277 vols.); Merz, philosophical, mathematical and general (3940 vols.); Oriental, with sp. ref. to India (2762 vols. and 2082 pamphlets); Gertrude Bell, Oriental (1963 vols.); Robert White (*c.* 4000 vols.), English and Scottish ballads, Border hist.

MUSEUMS. Anat., Pathol., Dental, Zool., Geol., Mineral., Chem., Mining. Technological specimens.

LABORATORIES with special facilities for res. in Engin. and Hydr., Electr. Engin., Naval Archit., Mining and Metall.; special branches of Chem., Phys., Geol., Bot. and Agric.; Marine Biol. (Dove Marine Lab., Cullercoats, Northumberland).

The Agric. Dept. manages the Coll. Farm at Nafferton, Prudhoe Station, and the Coll. Res. Station at Cockle Park, Morpeth; it also has the use of other County and Crown estates for teaching, res. and demonstration purposes.

ADMISSION. Those wishing to read in the Coll. for a degree (awarded by the Univ. of Durham) must satisfy the Univ. matric. requirements (*see* Appendix I).

DEGREE COURSES, ETC. Complete Courses for degrees in Arts, Archit., Med., Surg., Hyg., Dental Surg., Sci., Appl. Sci., Law, Econ. Studies, Soc. Studies, Town and Country Planning, Fine Art, Agric.; for Univ. Dipls. in Pub. Health, Psychological Med., Biblical Studies, Anthropol., Archit., Town Planning, Landscape Design, Econ. Studies, Pub. Admin., Pub. Health Engin.; for the Univ. Licence in Dental Surg., the Univ. Cert. in Soc. Studies, the Univ. Inst. of Educn.'s Dipl. in Educn. and Art Educn. and also for Coll. Certs. in Fine Art, Archit., Town Planning, Pub. Health Engin., Production Engin., Fuel Technol., Electronics, and First Aid.

Instruction in Clin. Med. and Surg. is given in the Royal Victoria Infirmary (830 beds) and other hospls.; in Practical Midwifery and Clin. Gynæcol. at the Princess Mary Maternity Hospl. and Newcastle Genl. Hosp.; in Clin. Dental Surg. in the Newcastle upon Tyne Dental Hospl. The Pathol. Museum provides an exceptional collection of specimens prepared by modern methods. Postgrad. med. and dental teaching is supervised by cttees. representing the Coll. and assoc. hospls. Res. facilities are available in the various depts.

The Appl. Sci. courses are in Engin. (Mech., Marine, Civil or Electr.), Naval Archit., Mining, Metall.; and (postgrad. only) Agric. Engin. and Chem. Engin.

The Course for the Inst. of Educn. Dipl. is available for grads. who intend to teach either in Primary or Secondary Schools.

Under the Tutorial System, each student (except in the Dental Sch.) is assigned on entry to a tutor, who is responsible for advising him on his course and generally looking after his interests. The Dean of the Dental Sch. performs similar duties for dental students.

UNIVERSITY DIPLOMAS. Education or Art Education (Art Teachers' Dipl.) (1 yr. after graduation); Anthropol. (usually 2 yrs. after graduation); Archit.

(5 yrs.); Town Planning (1 yr. after Cert.); Landscape Design (1 yr.); Econ. Studies (2 yrs.); Pub. Admin. (2 yrs.); Pub. Health (pt.-time, 2 yrs.); Psychol. Med. (1 to 2½ yrs. according to experience); Biblical Studies (full-time, 1 yr.; pt.-time, 2 yrs.).

UNIVERSITY CERTIFICATE. Social Studies (2 yrs.).

COLLEGE CERTIFICATES. Fine Art (2 yrs.); Archit. (5 yrs.); Town Planning (2 yrs.); Pub. Health Engin. (1 yr.); Prod. Engin. (1 yr.); Fuel Tech. (1 yr.); Electronics (1 yr.); First Aid (Mining Dept.) (2 yrs.).

For admission to study for the Univ. Dipls. in Econ. Studies, Pub. Admin., for the Univ. Cert. in Social Studies, or for the Coll. Cert. in Fine Art, no regular entrance examn. is required.

**FEES: Faculties other than Medicine:**

Registration (Degree students and some others), £2 p.a.; Students' Socs. and Univ. Union, £5 p.a. Tuition for degree courses: B.A. or LL.B. (3 yrs.), £30 p.a.; B.Sc. in Pure Sci. or Agric. (3 yrs.), £38 p.a.; B.Sc. in Engin., 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. Postgrad. study and res., £7 to £10 p.a., according to course taken. Tuition for dipl. courses: Educn. (1 yr. postgrad.), £35; Archit. (5 yrs.), 1st, 2nd and 3rd yrs., £25 p.a., 4th and 5th yrs., £20 p.a.; Town Planning (1 yr. after Cert.), £16; Landscape Design (1 yr.), £30; Econ. Studies (per subject), £5: 10s. p.a.; Pub. Admin. (2 yrs.), £10; Biblical Studies, £30 (full-time; pt.-time students pay by the class or £10 p.a.); Anthropol., £30. Tuition for cert. 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 Engin. (1 yr.), £44; Prod. Engin. (1 yr.), £44; Fuel Technol. (1 yr.), £44; Electronics, £44; Univ. Inst. of Education's Art Teachers' Dipl., £35.

Expenses on field work will be incurred to the approx. amount stated in each yr. in which the following subjects are taken: Bot., £8; Zool., £8; Geog., 1st-yr. students, £6, other students, £10-£12, with additional expenses for Hons. students preparing regional dissertations or for field work abroad; Geol., 1st-yr. students, £4, other students, £8-£10; Surveying, £12; Advanced Surveying (for Geog. students), £12; Mining Surveying, £15; Mining (Tour of Mines and Coalfields), £13.

For fees for matricn., examns. and degrees, v. Univ. section, *supra*.

FEES. Fac. of Medicine:

Systematic, prac. and clin. instruction: Med., 1st and 2nd yrs., £35 p.a., remaining yrs., £40 p.a.; Dental Surg., 1st, 2nd and 3rd yrs., £35 p.a., remaining yrs., £40 p.a. Various incidental fees are also payable.

For fees for matricn., examns. and degrees, v. Univ. section, *supra*.

SCHOLARSHIPS. Bursaries, £40, awarded at end of 1st yr. of study. Various scholarships and prizes are awarded during degree and diploma courses.

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

RESEARCH FUNDS. An endowment of £15,000, established in 1923, is administered by a Standing Cttee., which allocates the interest of the fund as grants-in-aid of specific investigations by trained workers rather than for training persons in res. There are also available at the Med. and Dental Schools several funds for medical, surgical and dental res., *e.g.* William Dodds, J. W. Luccock.

GRADUATES' ASSOCIATION. King's College Old Students' Assocn. organizes social and sporting events and distributes certain Coll. publicns.

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 143.) For Women (fees, £105 p.a.): Easton Hall, Eskdale Terrace, Newcastle upon Tyne 2 (*Telephone*: Jesmond 319), 40 students; Ethel Williams Hall, Eastfield Rd., Longbenton, Newcastle upon Tyne 7 (*Telephone*: Benton 62434), 92 students. For Men (fees, £105 p.a.): Henderson Hall, Cochrane Pk., Newcastle upon Tyne 7 (*Telephone*: Benton 61136), 79 students.

STUDENTS' SOCIETIES, CLUBS, ETC. There are a large number of students' socs. and clubs covering a wide range of interests and activities. The King's Coll. Students' Representative Council exists to promote these interests and activities, and the Union Society provides a centre for social contacts and for various student amenities.

STUDENT ATHLETIC FACILITIES. There are two sports grounds, a boat-house and a gymnasium, providing for all forms of athletic activity, both indoor and outdoor.

UNIVERSITY EXTENSION: KING'S COLL. DEPT. OF EXTRA-MURAL STUDIES. Tutorial classes in various centres (most of the tutors are regular members of Coll. Staff). Provision made for educn. of national service men, who have higher educnl. qualifcns., stationed in the area of Univ. Extension lectures also given within this area.

PUBLICATIONS. Rector's *Report*; King's Coll. *Handbook*; King's Coll. Dept. of Agric. (Farm Economics Branch), *Reports*; King's Coll. Educn. Soc. *Papers*, 1s. 6d. p.a.; King's Coll. *Mining Bulletin*, £1: 1s. p.a.; King's Coll. *Mining Soc. Journal*, 10s. p.a.; King's Coll. Geographical Soc. *Journal*, 1s. 6d. p.a.; Univ. of Durham Philosophical Soc. *Proceedings*, 1s. 3d. per no.; *Planning Outlook* (Dept. of Town and Country Planning), 15s. p.a.; *The Northerner* (Students), 2s. per copy; *Durham Univ. Medical Gazette*, 7s. 6d. p.a.; *King's Courier* (Students' newspaper), 3d. per no.; King's Coll. S.R.C. *Students' Handbook*; Earl Grey Memorial Lectures, 1s. per copy; William Henry Charlton Memorial Lectures.

## THE YEAR 1951–52

NEW BUILDINGS. New Univ. Engin. Labs., Stephenson Bldg., officially opened by H.R.H. the Duke of Edinburgh, Nov. 1951.

ADULT EDUCATION WORK. Dept. of Extra-Mural Studies conducted 45 3-yr. tutorial classes, 42 sessional courses and 47 other courses. Total no. of students: 3000.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Kopfermann, Gött.; Prof. Heredia, Madrid; Prof. Clemen, Munich; Prof. Gottmann, Paris; Prof. Pfeifer, Heidel.; Dr. Skudrzyk, Vienna.

VISIT OF MEMBER OF STAFF TO OTHER COLLEGE. G. A. Petch, Fourah Bay Coll.

RETIREMENT. Lord Eustace Percy (Rector, 1937–52).

RESIGNATIONS. Miss M. A. Brown (Psychol. Med.), apptd. Lectr. to Edin. U.; G. A. Chadwick, Asst. Registrar, apptd. Asst. Registrar, Durh. U.

DEATH. D. Brunton.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 262 | 2560 |
| Women | 54 | 603 |
| Total | 316 | 3163 |

Postgraduate students, 200.

New admissions, 915.

Students (full-time) from other countries, 244. (Countries from which largest numbers came: British W. Africa, 46; Norway, 24; British E. Africa, 23; India, 23; Mauritius, 18; British W. Indies, 16; Egypt, 15.)

DEGREES AWARDED. B.Arch., 14; B.Sc. (Agric.), 52; M.Sc. (Agric.), 8; Ph.D. (Agric.), 3; B.Sc. (App. Sc.), 94; M.Sc. (App. Sc.), 7; M.Sc. (Agric. Eng.), 3; Ph.D. (Agric.), 8; B.A., 122; M.A., 2; Ph.D., 5; M.Litt., 1; B.Com., 20; M.Ed., 2; Ph.D., 1; LL.B., 18; LL.M., 1; M.B., B.S., 101; M.D., 8; B.D.S., 26; M.D.S., 1; B.Sc. (Pure Sc.), 149; M.Sc. (Pure Sc.), 1; Ph.D. (Pure Sc.), 18.

DIPLOMAS AND CERTIFICATES AWARDED. Archit., 14; Biblical Studies, 2; Educn., 115; Foreign Langs., 2; Landscape Design, 4; Public Admin., 2; Theory and Practice of Teaching, 1; Town Planning, 15.

[*Information compiled as at* 8/6/53 ;
*Staff list revised on* 29/9/53.]

# UNIVERSITY OF LEEDS*

Founded 1904

*Postal Address* : Leeds 2, England.
*Telephone* (Registrar) : Leeds 31751.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—H.R.H. THE PRINCESS ROYAL, C.I., G.C.V.O., G.B.E., LL.D.

PRO-CHANCELLOR—Sir HUBERT S. HOULDSWORTH, Q.C., LL.D. Nott., D.Sc., LL.D.

VICE-CHANCELLOR—Sir CHARLES R. MORRIS, M.A. Oxon., LL.D. Manc.

PRO-VICE-CHANCELLOR—Professor J. W. HARVEY, M.A. Oxon.

TREASURER—Hon. RUPERT 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., F.R.C.S. Ed. Sr. Lectr.

Lecturers

Coupland, R. E., M.D.
Walls, W. K. J., M.B., Ch.B.
Holmes, R. L., M.Sc., M.B., Ch.B.

Demonstrators

Fitton, E. P., M.B., Ch.B.
Sharp, J. A., M.B., Ch.B.
Worthington, A. R., M.B., Ch.B.

Hon. Demonstrator

Agar, H., M.B., B.S. Lond., B.Sc., M.B., Ch.B., F.R.C.S.

*Biochemistry*

Happold, F. C., Ph.D., D.Sc. Manc., F.R.I.C. Prof.
Dagley, S., M.A., B.Sc. Oxon., M.Sc. Lond., F.R.I.C. (Physico-Chemical Aspects of B.) Reader.

Lecturers

Chattaway, F. W., Ph.D., M.Sc. Lond.
Kilby, B. A., M.A., Ph.D. Camb., F.R.I.C.
Dawson, J., M.Sc., M.B., Ch.B.
Hullin, R. P., M.Sc., Ph.D. Wales.
Bowen, T. J., M.A., B.Sc. Oxon.

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

3 Res. Assts.

*Biomolecular Structure*

Astbury, W. T., M.A., Sc.D. Camb., D.Sc. Stras., F.I.P., F.R.S. Prof.
MacArthur, J., M.A., B.Sc., Ph.D. Glas. Reader.
Rudall, K. M., M.Sc. N.Z., D.Sc., Ph.D. Reader.
Pautard, F. G. E., B.Sc. Birm. I.C.I. Res. Fellow.

Research Assistants

Beighton, E., B.Sc., Ph.D.
Tibbs, J., B.Sc., Ph.D.
Haggith, J. W., B.Sc.
Parker, K. D., B.A. Camb., Ph.D.
Millard, A. (Elect. Microscope).

*Botany*

Manton, Irene, B.A., Sc.D., Ph.D. Camb. Prof.
Preston, R. D., D.Sc., Ph.D. (Plant Biophys.) Prof.
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.
Robinson, Mrs. Edith, B.Sc. Durh., Ph.D.
Wesley, A., B.Sc. Lond., F.G.S.
..... Res. Chemist and Hon. Lectr.
..... Temp. Asst. Lectr.

Demonstrator

Hepton, C. E. L., B.Sc. Lond.

Research Assistants

Spark, L. C., B.Sc., Ph.D.
Sunderland, N., B.Sc.
Shivas, Mary G., B.Sc. Aberd.

*Chemistry, Inorganic, Structural and Physical*, v. also Technology—Colour Chemistry

Cox, E. G., T.D., D.Sc. Brist., F.I.P., F.R.I.C. Prof., Chairman of Depts.
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.
Walsh, A. D., M.A., Ph.D. Camb. Reader.

Senior Lecturers

Hume, J., B.Sc. Edin. Sr. Lectr. and Supt. of Labs.
Smith, G. F., Ph.D. Wales and Camb.
Bradley, R. S., M.A. Camb., F.R.I.C.
Clark, C. H. D., D.Sc. Lond., D.I.C.
Garrick, F. J., M.A. Oxon.
Belton, J. W., Ph.D., D.Sc. Liv.

Lecturers

Cruickshank, D. W. J., B.A. Camb., B.Sc. Lond., Ph.D. (Math. Chem.).
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.
Wheatley, P. J., M.A., D.Phil. Oxon.
Collinson, E., M.A., Ph.D. Camb.
Carson, A. S., M.Sc. Belf.
Ivin, K. J., B.Sc. Lond., B.A., Ph.D. Camb.
..... Brotherton Res. Lectr.
Thackray, M., B.Sc. Demr.
Smith, J. A. S., M.A., D.Phil. Oxon. Asst. Lectr.

I.C.I. Research Fellow

Parry, G. S., B.Sc., Ph.D Lond.

Research Assistants

Whitaker, H., M.Sc.
Volans, P., B.Sc., Ph.D.
Devlin, T. R. E., B.A., B.Sc. Dub.

..... Brotherton Res. Asst.

*Chemistry, Organic*

Lythgoe, B., M.A. Camb., Ph.D. Manc. Prof.

Baker, J. W., Ph.D., D.Sc. Lond., F.R.I.C. (Mech. of Org. Reactions) Reader.

Wightman, W. A., M.A. Oxon., F.R.I.C. Sr. Lectr.

Rothstein, E., Ph.D., D.Sc. Lond. Sr. Lectr.

Lecturers

Briscoe, P. A., B.Sc. Brist.

Bowden, K., B.Sc., Ph.D. Lond., D.I.C., F.R.I.C.

Clark, E. R., B.Pharm. Wales, Ph.D. Lond.

Austin, A. T., M.Sc. Melb., Ph.D. Lond.

Trippett, S., B.A., Ph.D. Camb.

Walton, A. W., B.Sc. Asst. Supt. of Chem. Labs.

*Classics: Greek*

Davison, J. A., T.D., M.A. Oxon. Prof., Dean, Fac. of Arts.

Parry, Olwen A., M.A. Camb., B.A. Lectr.

Rowe, K. R., B.A. Camb. Asst. Lectr.

*Classics: Latin*

Wood, E. J., M.A. Aberd. and Camb. Prof.

Binyon, D. E. F., M.A. Oxon. Sr. Lectr.

Lecturers

Wade, W. V., M.A. Sheff., B.A. Lond., F.S.A. (Romano-Brit. Archæol.).

Newell, A. N., M.A. Camb.

Martin, R. H., M.A. Camb., B.A.

Borthwick, E. K., M.A. Aberd., B.A., Ph.D. Camb.

Harrison, E. L., B.A. Manc., B.Litt. Oxon. Asst. Lectr.

*Commerce*, v. Economics

*Dentistry*, v. *infra*

*Economics and Commerce*

Brown, A. J., M.A., D.Phil. Oxon. Prof. and Hd. of Dept.

Richardson, J. H., M.A. Camb., Ph.D. Lond. (Indust. Relns.) Montague Burton Prof.

Senior Lecturers

Johnson, L. G., B.A. Sheff. Dean of Fac.

Hare, A. E. C., M.A. Camb., Ph.D. Lond.

Lecturers

Sheard, P. M., B.A. Oxon. (Accty.).

Beresford, M. W., M.A. Camb. (Econ. Hist.).

Bellamy, R., M.A. Oxon.

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

Newlyn, W. T., B.Sc. (Econ.) Lond.

Sargan, J. D., M.A. Camb.

Speight, H., B.A. Lond.

Johnson, A., B.Sc. Lond. (Econ. and Extra-Mural).

Rainnie, G. F., M.A. Aberd.

Snowball, S., F.S.A.A. (Accty.) (Pt.-time).

McDonald, T., B.Com. (Accty.) (Pt.-time).

Rimmer, W. G., M.A. Camb., A.M. Harv. (Econ. Hist.) Asst. Lectr.

Research Assistants

Sigsworth, E. M., B.A.

Brothwell, J. F., B.A. (Econ.) Nott.

McManus, M., B.Com. Birm.

Hutt, Mrs. F. Rosemary, B.A. Oxon.

*Education*

Armfelt, R. N., M.A. Camb. Prof. and Hd. of Dept.

Niblett, W. R., B.A. Brist., B.Litt. Oxon. Prof. of Educn. and Dir. of Inst. of Educn.

Curtis, S. J., T.D., M.A., Ph.D. Lond. Sr. Lectr.

Boultwood, Myrtle E. A., M.A. Lond. Sr. Lectr.

Lecturers

Bosworth, Eugenie M., M.A. Oxon.
Burns, D. G., M.A. Birm., B.A. Lond.
Martin, Audrey J.
Ottaway, A. K. C., M.A., B.Sc. Lond.
Wallbank, S. Annie, B.Sc. Lond.
Howie, G., M.A., Ed.B. Aberd.
Laing, A., M.A., Ed.B. Aberd.
Neal, L. F., B.A. Lond.
Phillips, D. Jean, M.A., B.Sc. Lond.
Tate, W. E., B.Litt. Oxon., F.S.A.
Connell, L., B.Sc. Manc., M.Sc. Lond.
Cruickshank, Mrs. Marjorie A., B.A. Manc., M.A. Lond.
Wise, A. Speech Trainer.

*Engineering*, v. Technology

*English Language and Mediæval English Literature*

Orton, H., B.Litt., M.A. Oxon. Prof.
Doyle-Davidson, W. A. G., B.A. Lond. Sr. Lectr.

Lecturers

Cawley, A. C., M.A. Lond.
Taylor, A. R., M.A. Manc.
..... Asst. Lectr.
Ellis, S., M.A. Res. Asst.

*English Literature*

Dobrée, B., O.B.E., M.A. Camb., Docteur de Dijon, F.R.Hist.S. Prof.
Knight, G. Wilson, M.A. Oxon., F.R.S.L. Reader.
Jefferson, D. W., B.Litt. Oxon., B.A. Sr. Lectr.

Lecturers

Kettle, A. C., M.A., Ph.D. Camb.
Fisch, H., B.A. Sheff., B.Litt. Oxon.
Creedy, A. J., B.A. Lond., M.A. Camb.

Assistant Lecturers

Over, G. A., B.A.
Mann, J. P., B.A. Sheff.
Heath-Stubbs, J., B.A. Oxon.
Gregory Fellow in Poetry.

*Fine Art*

de Sausmarez, M.
Lectr. and Hd. of Dept.
Hauser, A., Dr. Phil. Budapest Lectr.
Armitage, W. K.
Gregory Fellow in Sculpture.
Froy, M.
Gregory Fellow in Painting.

*French Language and Literature*

Clapton, G. T., M.A. Sheff.
Prof. and Hd. of Dept.
Ullmann, S., Ph.D. Budapest, D.Litt. Glas.
Prof. of Romance Philol.
Inebnit, J. P., L. ès L. Neuchâtel Sr. Lectr.
Benn, T. V., B.A., Ph.D. Sr. Lectr.

Lecturers

Hainsworth, G., D. de l'U. Paris, M.A.
Coe, R. N. C., M.A. Oxon.
Ireland, G. W., M.A. Edin.
Ireson, J. C., M.A. Lond.
Rothwell, W., M.A. Oxon., D. de l'U. Paris.
Crews, Mrs. Cynthia M., M.A. Camb., Ph.D. Lond. (Fr. Phonet.).
Saint-Père, R., L. ès L. Paris Lecteur.
Bizet, Jacqueline M. M., L. ès L. Rennes Lectrice.
Leroy, Martine, L. ès L. Lille Lectrice.
Thyss, Marie-Louise, Ag. de l'U. Anglo-French Fellow.

*Geography*

Peel, R. F. E. W., M.B.E., M.A. Camb. Prof.

Lecturers
Fowler, F. J., B.A., Ph.D.
Kirk, M., M.A.
Jones, G. R. J., M.A. Wales.
Assistant Lecturers
Eyre, S. R., B.Sc. Lond.
Palmer, J., B.A. Camb.

*Geology*
Kennedy, W. Q., D.Sc. Glas., F.R.S. Prof.
Versey, H. C., D.Sc., F.G.S. Sub-Dean, Facs. of Sci. and Tech., Reader Appl. Geol.
Hemingway, J. E., B.Sc., Ph.D. Sr. Lectr.
Lecturers
Rayner, Dorothy H., M.A., Ph.D. Camb.
Hartley, J., B.Sc.
Turner, J. S., M.Sc. Lond., F.G.S. (Palæontol.).
Knorring, O. von, M.Sc. Helsinki (Mineral. and Geochem.).
Kerr, Mrs. Margaret H., B.Sc. Glas. Res. Asst. and Demr.

*German Language and Literature*
Gillies, A., M.A. Sheff., Dr.Phil. Gött. Prof.
Caldwell, M. Constance, B.A. Sr. Lectr.
Lecturers
Frowein, Mrs. Irene, B.A. Lond.
Wilkie, J. R., M.A. Aberd., B.A. Camb.
Thomas, L. H. C., M.A. Oxon., Ph.D.

*History*
Le Patourel, J., M.A., D.Phil. Oxon. (Med. H.) Hd. of Dept., Prof.
Gash, N., M.A., B.Litt. Oxon. (Mod. H.) Prof.
Richardson, G. W., M.A. Lond. (Anc. H.) Sr. Lectr.
Lecturers
Collyer, C., M.A. Oxon.
Cox, J. W., B.A.
Woolrych, A. H., B.Litt., M.A. Oxon.
Jones, P. J., M.A., D.Phil. Oxon. (Med. H.).
Taylor, J., M.A. Oxon.
Assistant Lecturer
Hutt, M. G., B.A. Oxon.

*History of Science*
Gregory, J. C., B.Sc. Lond., F.R.I.C. Hon. Lectr.

*Italian Language and Literature*
May, F., B.A. Lond. Lectr. and Hd. of Dept.
Drake, E. Christina M., M.A. Oxon. Asst. Lectr.

*Law*
James, P. S., M.A. Oxon. Prof.
Haggen, G. L., M.A., B.C.L. Oxon. Reader, Dean of Fac.
Hornsey, G., LL.M. Lectr.
Davies, M. R. R., Ph.D. Camb., LL.M. Lectr.
Pt.-time Lecturers
Bradley, D. W., LL.B.
Chapman, C. D., M.A. Oxon.
Mason, G. F. P., M.A. Camb.

*Mathematics*
Ruse, H. S., M.A. Oxon., D.Sc. Edin. (Pure M.) Hd. of Dept., Prof.
Cowling, T. G., M.A., D.Phil. Oxon., F.R.S. (App. M.) Prof., Dean, Fac. of Sci.
Ursell, H. D., M.A. Camb. (Math. Analysis) Reader.
Welch, B. L., B.A. Oxon., Ph.D. Lond. (Stats.) Reader.
Gilham, C. W., M.A. Camb., B Sc. Lond. Sr. Lectr.
Lecturers
Slater, N. B., M.A. Edin. and Camb., Ph.D. Camb. (Appl. M.).

Price, H. L., M.A. Camb., M.Sc., Ph.D. (Appl. M.).
Tempest, R. K., M.Sc., Ph.D. Liv. (Appl. M.).
Hesse, Mary B., M.Sc., Ph.D. Lond. (Appl. M.).
Barrett, W., B.A. Oxon., D. de l'Univ. Paris (Pure M.).
Perrott, I. B., M.A. Oxon. (Pure M.).
James, G. S., B.A. Camb. (Stats.).
Evans, D. Hywel, Albert Medal, M.A. Oxon., B.Sc. Wales
Pt.-time Lectr.
Löb, M. H., M.A. Lond.
Asst. Lectr.
Mestel, L., B.A., Ph.D. Camb.
I.C.I. Res. Fellow.

*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.

Lecturers

Mumby, F. S., B.Mus. Durh. and Lond., B.A.
Brown, J. C., M.A., Mus.B. Camb., F.R.C.O.

*Pharmacology*

Bain, W. A., B.Sc., Ph.D. Edin.
Prof.
..... Sr. Lectr.

Lecturers

Mogey, G. A., M.B., Ch.B., B.A.O. Belf.
Exley, K. A., M.D.
Hey, P., M.Sc., Ph.D. (Pharmacol. Chem.).
Dare, J. G., Ph.D. (Pharmacy).
Nelson, G. A., M.Sc., F.L.S. (Pharmacognosy).
..... Demr.
Batty, Jean E., B.Sc., Ph.D.
Res. Asst.
Brown, Barbara G., B.Sc.
Res. Asst.

*Philosophy*

Harvey, J. W., M.A. Oxon. Prof.
Cameron, J. M., B.A. Oxon.
Sr. Lectr.
Alexander, P., B.A., B.Sc. Lond.
Lectr.
Hunter, G. B. B., B.A. Oxon.
Asst. Lectr.
Curtis, S. J., T.D., M.A., Ph.D. Lond. Hon. Lectr.

*Phonetics*

MacCarthy, P. A. D., M.A. Camb.
Sr. Lectr. and Hd. of Dept.
Woodhead, J. L., M.A. Camb.
Lectr.

*Physical Education*

Morgan, R. E., B.A. Lond. Dir.
Karn, Elizabeth, B.Sc. (Econ.)., Dipl. Phys. Educ. Lond.
Lectr.
Adamson, G. T., B.Sc. Lond. Lectr.
Hunter, Dorothy A., Dipl. Phys. Educ. Lond. Asst.
Wilde, J. E. Asst.

*Physics*

Stoner, E. C., B.A., Sc.D. Camb., F.R.S.
Cavendish Prof. of Phys. and Hd. of Dept.
Wilson, J. G., M.A., Ph.D. Camb., F.I.P. Prof.
Long, F. A., B.Sc. Lond. Sr. Lectr.
Ewles, J., M.A. Camb. Sr. Lectr.
Hoare, F. E., M.Sc., Ph.D. Lond.
Sr. Lectr.

Lecturers

McDougall, J., M.A., Ph.D. Camb.
Curry, C., B.Sc., Ph.D. Durh.
Tebble, R. S., B.Sc. Durh., Ph.D.
Kellermann, E. W., D.Phil. Vienna, Ph.D. Edin.
Marsden, P. L., B.Sc. Birm., Ph.D.
Rhodes, P., B.Sc., Ph.D.

Tunstall, N., B.Sc. Manc., F.I.P. Temp. Lectr.
Nicolson, Mrs. Phyllis, M.A. Camb., M.Sc., Ph.D. Manc. Pt.-time Lectr.
Youell, R. F., B.Sc. Lond. Asst. Lectr.

Research Assistants

Crooke, R. H., B.Sc.
Chappel, F. P., M.Sc. Lond.
Cross, L. E., B.Sc., Ph.D. I.C.I. Research Fellow.

*Physiology*

Hemingway, A., M.Sc., M.B., Ch.B. Prof.
Noltie, H. R., M.A., B.Sc. Aberd. Sr. Lectr.
O'Connor, W. J., M.A. Camb., M.D. Adel. Sr. Lectr.

Lecturers

Allen, W. J., M.D. Belf.
Newman, P. P., M.D. Liv.
Holgate, J. A., M.B., Ch.B.
Wolstencroft, J. H., M.A. Camb.
Cambridge, G. W., B.Sc. Lond.
Coleridge, J. C. G., B.Sc., M.B., Ch.B.
Linden, R. J., M.B., Ch.B.
Pyrah, L. N., M.Sc., M.B., Ch.M., F.R.C.S. Hon. Demr.

*Psychology*

Meredith, G. P., Ph.D. Lond., M.Sc., M.Ed., F.B.Ps.S. Prof.

Lecturers

Joselin, A. G., M.A., B.Sc. Lond. (Educ. P.).
Morrisby, J. R., B.A. W.Aust. (Soc. P.).
Harper, R., M.Sc. Manc., Ph.D. R'dg., F.B.Ps.S. (Indust. P.).

*Russian Language and Literature*

Hayward, H. M., M.A. Oxon. Lectr. and Hd. of Dept.
Dresslер, A., B.A. Lectr.
Minskers, Mrs. Harriet Temp. Asst.

*Semitic Languages and Literatures*

Bowman, Rev. J., M.A., B.D. Glas., D.Phil. Oxon. Sr. Lectr. and Hd. of Dept.
..... Montague Burton Lectr. in Med. and Mod. Hebrew.

Lecturers

Loewe, R., M.C., M.A. Oxon. and Camb.
Isserlin, B. S. J., M.A. Edin. and Oxon.
Werblowsky, R. J. Z., B.A. Lond., D. ès L. Geneva Lector.

*Social Studies*

Shimmin, A. N., C.B.E., M.A. Manc. (Soc. Sci.) Prof.

Lecturers

Vaughan, E. A., B.Com. Durh. (Soc. Studies).
Hanson, A. H., M.A. Oxon. (Pub. Admin.).
Henriques, L. F., M.A., D.Phil. Oxon. (Soc. Anthropol.).
Wiseman, H. V., M.A. Oxon., B.Sc. (Econ.) Lond. Lectr. in Depts. of Soc. Studies and Extra-Mural Studies.
Brown, Ida E., M.A. Sheff. Lectr. and Sr. Tutor.
Rainnie, Mrs. Bettine M., B.A. Lond. Lectr. and Tutor.
Millard, Mrs. Phyllis M., B.A. Lond. Lectr. and Tutor.
Hardy, Helen R., M.A. Camb. Asst. Lectr. and Tutor.
Head, W. G., B.Sc. (Econ.) Lond. Res. Asst.
Slaughter, C., B.A. Camb. Res. Asst.
Dennis, N., B.Sc. (Econ.) Lond. Res. Asst.

*Spanish Language and Literature*

Brown, R. F., M.A., Ph.D. Liv. Cowdray Prof.

Lecturers

de Irizar, Agustín, Licdo en Fil. y Let. Madrid, M.A.

Boorman, J. T., M.A. Camb.

McCririck, Verena N. R., M.A. Birm.

Davies, G. A., M.A. Oxon. Asst. Lectr.

Alba, M. Sito, Licdo en Fil. y Let. Lector.

Smith, C. C., B.A. Camb. Asst. Lectr.

*Technology*, v. *infra*

*Theology*

Reid, Rev. J. K. S., M.A., B.D. Edin. (Theol.) Prof.

Lecturers

Barclay, Rev. R. A., M.A., B.D. Edin. (O.T. Studies and Biblical Hebrew).

Higgins, Rev. A. J. B., M.A. Wales, B.D., Ph.D. Manc. (N.T.).

Easson, Rev. D. E., M.A., B.D., Ph.D. St. And. (Church Hist. and Doctrine).

9 Associate Lectrs. in local Theol. Coll.

*Zoology*, v. also Agric.

Spaul, E. A., D.Sc., Ph.D. Lond. Prof.

Kerr, T., M.A., D.Sc. Glas. Reader.

Henson, H., D.Sc., Ph.D. Birm. Sr. Lectr.

Lecturers

Broadhead, E., M.A., B.Sc., D.Phil. Oxon.

Meredith, Mrs. Sheila C., M.Sc. Liv., Ph.D.

Brust, Jean, B.Sc. R'dg., Ph.D.

Werth, Irene, M.A. Oxon.

Owen, R. W., M.Sc., Ph.D. Wales.

Brown, Grace F., B.Sc. Durh. Demr.

Fortune, Pamela Y., B.Sc., Ph.D. Res. Asst.

**Agriculture**

Bywater, T. L., B.Sc. Wales, M.S. Wis. Prof., Hd. of Dept.

McGregor, J., B.Sc. Glas. Prof.

Dalling, Sir Thomas, D.Sc. Belf. Clive Behrens Lectr.

Holliday, R., B.Sc. Sr. Lectr.

Boaz, T. G., M.B.E., M.A., Dip. Agric. Camb. Sr. Lectr.

Barrowman, J. R., B.Sc. Glas. Lectr. and Farm Dir.

Bramley, C. W., B.Sc., Dip. Agric. Asst. Lectr.

..... (Crop Husb. and Farm Machinery) Temp. Asst. Lectr.

Hodgson, D. R., Dip. Agric. Camb., B.Sc. Demr.

*Agricultural Bacteriology*

Wolf, J., M.Sc. R'dg. Sr. Lectr.

Barker, A. N., M.Sc., Ph.D. Lectr.

*Agricultural Botany*

Western, J. H., B.Sc., Ph.D. Wales Sr. Lectr.

Jones, A. Powell, M.Sc. Wales Lectr.

Turner, Dorothy M., Dip. Hort. R'dg., M.Sc. Lectr.

..... Res. Asst.

*Agricultural Chemistry*

Willcox, J. S., B.Sc. Lond., F.R.I.C. Sr. Lectr.

Townsend, W. N., B.Sc. Lectr.

Hopton, J. W., M.Sc. Tech. Manc. Demr.

Payne, D., M.A., Dip. Agric. Sci. Camb. Res. Asst.

*Agricultural Economics*

Long, W. H., M.A. Oxon. Principal Agric. Economist.

..... Lectr.

Ward, J. T., B.Sc. (Econ.) Lond., B.Litt., Dip. Agric. Econ. Oxon. 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. R'dg.
Lloyd, D. Hanbury, B.Sc. Wales.
Simpson, Mrs. Morag C., B.Sc. (Econ.), M.Sc. (Agric.) Lond.
Wright, Edith M., B.Sc. Nott.

*Agricultural Zoology*

..... Sr. Lectr.
Gibson, N. H. E., B.Sc. Lond., Ph.D. Lectr.
Wilson, P. A. G., B.Sc. Lond. Demr.

*Veterinary Hygiene*

Towers, K. G., B.V.Sc. Liv.
Vet. Officer and Lectr.

## Dentistry

*Anæsthetics, General*

Harbord, R. P., M.D. Liv., D.A., F.F.A.R.C.S. Lectr.

*Dental Anatomy and Physiology*

Sykes, J. G., B.Ch.D., F.D.S.R.C.S. Lectr. (C.).*

*Dental Histology*

..... Hon. Demr. (C.).

*Dental Materials, Properties of*

Pt.-time 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 Pathol. and Bacteriol.*

..... Lectr.

*Dental Radiology*

Johnstone, Prof. A. S., M.D. Edin., F.R.C.S.Ed., F.F.R. Lectr.

*Dental Surgery*

Read, T. T., F.R.F.P.S.Glas., F.D.S.R.C.S.
Prof. of Clin. Dent. Surg. and Warden.
Hollings, M. R., B.Ch.D., F.D.S.R.C.S. (Clin. Dent. Surg.) Sr. Lectr.
Cocker, J. P., L.D.S., F.D.S.R.C.S. Lectr. (C.).
Crawford, J. K., F.D.S.R.C.S. (C.).
Johnson, H. G. L., L.D.S. (C.).
Woodcock, S. R., H.D.D. Edin., L.D.S. (C.).
Cork, D. J., L.D.S. (C.).
Brook, F., H.D.D. Edin., L.D.S. (C.).
Southam, F. L., L.D.S.
Sr. Hospl. Dent. Officer.
6 vacancies for Hon. Clin. Tutors.
8 House Surgeons, 4 Asst. House Surgeons.

*Dental Surgery, Clinical*

Lecturers

Carr, Mrs. Kathleen M., B.Sc., B.Ch.D., L.D.S.
Ross, J. H., B.Ch.D., L.D.S.
Heylings, R. T., M.B., Ch.B., B.Ch.D., L.D.S.
Jackson, D., M.D.S., L.D.S. Manc.
Copland, J., B.Ch.D., L.D.S.

*Oral Biology*

Weidmann, S. M., Dr.Ing. Darmstadt, Ph.D. (Oral Biol.) Res. Fellow.

*Orthodontia*

Shaw, H., L.D.S., F.D.S.R.C.S. Sr. Lectr.
..... Lectr.
Wood, T. Jason, B.Ch.D., L.D.S. Hon. Demr.

* (C.) = Clinical Lectr.

*Prosthetic Dentistry*

Woodhead, C., L.D.S. Lectr.
Thornham, C. B., B.Ch.D., L.D.S. Lectr.
..... Lectr.
..... Hon. Demr.

**Medicine**

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

*Anæsthetics*

Harbord, R. P., M.D. Liv., D.A., F.F.A.R.C.S. Reader.
Harrison, Gwendolen, M.B., Ch.B., D.A. (C.).*
Lawrence, R. C., M.B., Ch.B., D.A. (C.).
Harris, R. L. H., M.B., B.S. Lond., D.A. (C.).
Hawthorne, A. T., M.B., Ch.B., B.A.O. Belf., D.A. (C.).
Mackintosh, F. G., M.B., Ch.B. Aberd., D.A. (C.).
Smith, Mrs. Doris N. Ambery, D.A. (C.).
Young, D. S., M.B., Ch.B., D.A. (C.).
Bruce, I., M.B., B.S. Durh., D.A. Lectr.

*Bacteriology*

Oakley, C. L., M.D., B.S., D.Sc. Lond. Brotherton Prof.
Gordon, J., M.D., D.P.H. (Clin. B.) Reader.
Johnstone, K. I., B.Sc., Ph.D., M.B., Ch.B. (Pub. Health B.) Reader.
Zinnemann, K. S., M.D. Frankfurt Sr. Lectr.

Lecturers

Williamson, G. M., M.B., Ch.B.
Nicholson, D. E., B.Sc., Ph.D. Lond.
Czekalowski, J. W., M.D. Edin., D.T.M. & H.
Flewett, T. H., M.D. Belf.
Holman, R. A., M.B., Ch.B.
La Touche, C. J. P., M.Sc. Dub. (Med. Mycol.).
Turner, G. C., M.B., Ch.B.
Eaves, G., B.Sc., Ph.D. Manc. Res. Asst.
Tiffin, A. I., B.Sc. Res. Asst.

*Cancer*, v. Pathol.

*Forensic Med.*

Polson, C. J., M.D. Birm., F.R.C.P. Prof.
Brittain, R. P., M.A., B.Sc., M.B., Ch.B., B.L., LL.B. Glas. Sr. Lectr.
Marshall, T. K., M.B., Ch.B. Lectr.

*Infectious Diseases*

Benn, E. C., M.B., Ch.B., D.P.H. Liv. Sr. Clin. Lectr.

*Medical Ethics*

Macdonald, W. S., M.C., M.B., Ch.B. Ed., D.P.H., J.P. Lectr.

*Medical Physics*

Spiers, F. W., Ph.D., D.Sc. Birm. Prof.

Lecturers

Reed, G. W., M.Sc.
Hay, G. A., M.Sc. Durh.
Morrison, Margaret T., B.Sc. Birm.
Burch, P. R. J., M.A. Camb., Ph.D. Res. Asst.

*Medicine and Clin. Med.*

Tunbridge, R. E., O.B.E., M.D., M.Sc., F.R.C.P. Prof. (C.).
Hartfall, S. J., T.D., B.Sc., M.D., F.R.C.P. (Clin. Med.) Prof. (C.).
Taverner, D., M.B.E., M.D. Sr. Lectr.
Fryers, G. R., M.D. Sr. Registrar and Tutor in Gen. Med.
Ingram, J. T., M.D. Lond., F.R.C.P. (Dermatol.) Sr. Clin. Lectr. (C.).

* (C.) = Clinical Lectr.

Hellier, F. F., O.B.E., M.A. Camb., M.D. Lond., F.R.C.P. (Dermatol.) Sr. Clin. Lectr.
Anning, S. T., M.A., M.D. Camb. (Dermatol.) Clin. Lectr.
La Touche, C. J. P., M.Sc. Dub. (Med. Mycol.) Lectr.
..... (Dermatol.) Res. Fellow.
Everall, J. D. (Dermatol.) Sr. Regr. and Tutor.
Edwards, G. F., M.B.E., M.B., B.S. Lond. Pt.-time Lectr.
Tattersall, R. N., O.B.E., M.D. Lond. Lectr. (C.).*
Watkinson, G., M.D., B.S. Lond. Lectr.
Marson, F. G. W., M.D. Birm. Lectr.
Hall, D. A., B.Sc., Ph.D. (Med. Biochem.) Lectr.
Garland, H. G., T.D., M.D., F.R.C.P. (Neurol.) Sr. Clin. Lectr.
Parsonage, M. J., B.Sc., M.B., Ch.B. Manc., D.C.H. Neurol. (C.).
Macpherson, I., M.D., F.R.C.P. Lectr. (C.).
Telling, O. M., M.A., D.M. Oxon. Lectr. (C.).
Towers, J. R. H., M.A., M.D. Camb., F.R.C.P. Sr. Clin. Lectr.
Paley, R. G., Ph.D., M.D. (Med.) Res. Fellow.

Research Assistants

Wood, G. C., B.Sc., Ph.D. (Med.) Temp.
Beattie, J. W., M.D. Belf. (Clin. Med.).

*Obstetrics and Gynæcology*

Claye, A. M., M.D., F.R.C.S., F.R.C.O.G. (Obstet. and Gynæcol.) Prof.
Currie, D. W., M.D., Ch.M., F.R.C.S., F.R.C.O.G. (Obstet.) Sr. Clin. Lectr.
Agar, H., M.B., B.S. Lond., B.Sc., M.B., Ch.B., F.R.C.S. (Obstet. and Gynæcol.) (C.).
McIntosh, W., M.B., Ch.B. Glas. (Obstet. and Gynæcol.) (C.).
Lister, Ursula M., M.D. Lond., F.R.C.S.Ed. (Obstet. and Gynæcol.) Sr. Lectr.
Farquhar, J. B., M.B., Ch.B. Birm., F.R.C.S. (Obstet. and Gynæcol.) (C).
Theobald, G. W., M.A., M.D., B.Chir. Camb., F.R.C.S.Ed., F.R.C.O.G. Hon. Lectr.
.....

*Ophthalmology*

Foster, J., M.A., M.B., B.Chir. Camb., M.D. Melb., 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. Sr. Clin. Lectr.
Boyle, T. McM., M.B., Ch.B., F.R.C.S. Sr. Clin. Lectr.
Lord, O. C., Ch.M., F.R.C.S.Ed. (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.
Buchanan, M. F. G., M.B., Ch.B. Edin., D.C.H. Lond. Lectr.
Langley, R. L., M.A., M.D. Edin., F.R.C.P.Ed. Hon. Lectr.
.....

Sr. 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. P.) 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.
Dawson, I. M. P., M.A., M.B., B.Chir. Camb.
Maloney, A. F. J., B.Sc., M.B., Ch.B. Edin. (Neuropathol.).
..... (P. of Industrial Diseases).
Lissimore, N., M.D. (Gyn. P.) Pt.-time Lectr.
Anderson, C. K., M.B., Ch.B. St. And.
Pyrah, L. N., M.Sc., Ch.M., F.R.C.S. (Surg. P.) Hon. Demr.
Macpherson, I., M.D., F.R.C.P. (Med. P.) Hon. Demr.
Garland, H. G., T.D., M.D., F.R.C.P. (Neuropathol.) Hon. Demr.
Shone, J. A. V. (Clin. P.) Hon. Demr.

*Pathology, Chemical*

Fowweather, F. S., M.Sc., M.D., D.P.H. Liv., F.R.C.P., F.R.I.C. Prof.

Lecturers

Anderson, W. N., B.Sc., Ph.D. Belf.
Howarth, A. T., B.Sc. Manc., Ph.D.
Kidder, D. E., B.Sc. Lond.

Demonstrators

Baldwin, S. J.
.....

*Pathology, Experimental and Cancer Research*

Green, H. N., M.A. Camb., M.D., M.Sc. Sheff. Prof. of Exp. P. and Dir. of Cancer Res.
Day, T. D., M.A., M.D. Camb. Sr. Res. Fellow and Asst. Dir. Cancer Res.
Bonser, Mrs. Georgiana M., M.D. Manc. (Cancer Res.) Reader.
Dmochowski, L. L., M.D. Warsaw, Ph.D. (Cancer Res.) Reader.
Stickland, L. H., M.A., Ph.D. Camb. (Exp. Biochem.) Sr. Lectr.
..... Asst. Lectr.
Clayson, D. B., B.A. Oxon., Ph.D. (Org. Chem.) Res. Asst.
Redcliffe, Mrs. Marguerite J., M.B., Ch.B. Pt.-time Res. Asst.
Eaves, G., B.Sc. Manc., Ph.D. Res. Asst. for Elect. Micros.

Cancer Research Fellows.

Jull, J. W., B.Sc., Ph.D.
Laws, J. O., M.A., M.B., B.Chir. Camb., Ph.D. Lond.
Hardwick, T. J., B.Sc., Ph.D. McG.

*Preventive Medicine and Public Health*, v. also Pathol.

Davies, I. G., M.D., B.S., D.P.H. Lond. (Pub. Health) Prof.
Dixon, C. W., M.D., B.S. Lond., D.L.O., D.C.H., D.P.H. Sr. Lectr. and Chief Asst.
Sutherland, R., M.D., D.P.H. Aberd. Sr. Lectr.
Still, R. J., M.A., M.B., B.Chir. Camb. Hon. Lectr.

Pt.-time Lecturers (Pub. Health)

Bradshaw, D. B., M.A., M.B., B.Ch., B.A.O., D.P.H. Dub.
Jones, J. A. L. V., M.B., Ch.B. Glas., J.P.

Taylor, A. L., M.D., D.P.H., L.D.S.
..... (Vaccination).

Instructors (Public Health)
Manley, C. H., M.A. Oxon., F.R.I.C.
Goodfellow, J.
Davies, D. G.
Three vacancies.

*Psychiatry*
MacCalman, D. R., M.D. Glas., D.P.M., F.B.Ps.S. Nuffield Prof.
Hamilton, M., M.D., B.S. Lond., D.P.M. Sr. Lectr.
Burbury, W. Mary, M.A. Camb., M.B., B.S., D.P.M. Lond. (Child P.) Sr. Lectr.
Martin, D. R., B.A. Syd. (Clin. Psychol.) Lectr.

Pt.-time Lectrs. (Mental Dis.)
Sutton, I., B.Sc., M.D. Manc., D.P.M.
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. Lond., F.R.F.P.S. Glas.
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., F.R.F.P.S. Glas. Sr. Regr. and Tutor.
Kahn, J. H., D.P.M. Manc., M.D. Pt.-time Lectr.
Guntrip, Rev. H. J. S., B.A., B.D. Lond. Psychotherapist.
Rosenbusch, H., M.D. Leipzig and Gisa Psychotherapist.
Whyte, Marion B. H., M.A. Edin. Sr. Psych. Social Worker and Tutor.
Stead, Mrs. Evelyn M., B.A. Psych. Social Worl
Berlyne, Anita R., B.A. Camb Psych. A

*Radiology and Radiotherapy*
Johnstone, A. S., M.D. Ed D.M.R.E. Camb., F.R.C.S.I F.F.R. (Radiodiagnosis) P (C.).*
Illingworth, G. H., M.A. Oxc M.D., D.M.R. Edin. (Radiodiag.) Le
Keates, P. G., B.S., M.D. Lo (Radiodiag.) Res. Fell
La Touche, D. A. A., M.A., M. B.Chir. Camb., D.M. F.R.C.S. (Radiother.) Sr. C Lectr.
Nuttall, J. R., M.D. Mar D.M.R., F.F.R. (Radiother.) Sr. C Lectr.
Lees, J. M., M.A., B.M., B.( Oxon., D.M.R. (Radiother.) Pt. - ti Lectr.
..... (Radiol.) Pt.-time Lec

*Rheumatism Research*
..... (Surg. of Rheumatis Fellow.
..... Fellc

*Surgery*
Chamberlain, D., Ch.M., F.R.C. Prof. and Hd. of De (C.).
Moir, P. J., M.C., M.B., Ch. Glas., F.R.C.S. Prof. (C.), Dean, Fac. Med.
Symons, H. W., M.B., Ch. F.R.C.S. (Clin. S.) Prof. (C
..... Read

* (C.) = Clinical Lectr.

Pyrah, L. N., M.Sc., Ch.M., F.R.C.S.
Dir. S. Res. and Sr. Clin. Lectr. (Urol.) (C.).*
Broomhead, R., M.B., Ch.B., F.R.C.S. (Orthop. S.)
Sr. Clin. Lectr. (C.).
Pain, A. B., Ch.M., F.R.C.S. (Orthop. S.)
Sr. Clin. Lectr. (C.).
Burwell, H. N., M.B., Ch.B., F.R.C.S.
(Orthop. S.) Sr. Registrar and Tutor.
Moore, H. D., M.C., M.B., B.S. Syd., F.R.C.S., F.R.C.S.Ed.
Sr. Registrar and Tutor.
Pollock, A. V., B.Sc., M.B., Ch.B. Cape T., F.R.C.S.
Sr. Registrar and Tutor.
Raper, F. P., M.B., Ch.B., F.R.C.S. (Urol.) (C.).
Parsons, F. M., B.Sc., M.B., Ch.B. (Urol.) Res. Fellow.
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 S.) Res. Fellow.
Oldfield, M. W. C., M.B.E., M.A., D.M., M.Ch. Oxon., F.R.C.S. (C.).
Clark, J. M. P., M.B.E., M.B., Ch.B., F.R.C.S. (Orthop. S.). (C.).
Henderson, W. R., O.B.E., M.B., Ch.B. Edin., F.R.C.S. (Neurol. S.) Sr. Clin. Lectr.

*Therapeutics*
..... (Therapeutics) Prof. (C.).
..... Asst. Lectr.

*Venereal Diseases*
Horne, G. O., F.R.C.P.Ed.
Sr. Clin. Lectr. (C.).
(Pt.-time) Medical Geneticist
Carter, C. O., M.A., B.M., B.Ch. Oxon.

**Technology**
v. also Agriculture

*Coal Gas and Fuel Industries with Metallurgy*
Roberts, A. L., B.Sc., Ph.D., F.I.F., F.R.I.C.
Livesey Prof.
Petch, N. J., B.Sc., Ph.D. Lond., B.Met. Sheff.
(Metall.) Reader.

Lecturers
Johnston, D., M.Sc. Durh. (Metall.).
Irvine, K. J., B.Sc., Ph.D. (Metall.).
Butcher, K. L., B.Sc. Lond., F.R.I.C.
(Chem. Engin.) Brotherton Lectr.
Garside, J. E., B.Sc., Ph.D. (Fuel Technol.).
Macrae, J. C., B.Sc. Glas., F.R.I.C. (Gas Chem.).
Carruthers, T. G., B.Sc.
(Ceramics and Refractory Materials).
Franklin, N. L., M.Sc., Ph.D. (Chem. Engin.).
Grimshaw, R. W., B.Sc., Ph.D.
(Ceramics and Refractory Materials).
Pollard, A., B.Sc. (Chem. Engin.) (Process Instrumentation).

Assistant Lecturers
..... (Gas Engin.).
Haynes, R., B.Met., Ph.D. Sheff. (Met.).

* (C.) = Clinical Lectr.

Cass, F. H., B.Sc. (Chem. Engin.).
..... (Fuel Technol.).
Wood, J. W., M.Sc. Tech. Manc. (Gas. Engin.) Pt.-time Lectr.
Dent, F. J., Ph.D., D.Sc. Hon. Lectr.
Shuttleworth, R., Ph.D. Brist., B.Sc. I.C.I. Res. Fellow.

Research Chemists

Blackburn, W. H., M.Sc., Ph.D.
Dixon-Lewis, G., M.A., D.Phil. Oxon.
Kilham, J. K., B.Sc., Ph.D.
Towler, J. H., M.Sc., Ph.D.

Research Assistants

Ashley, L. F., B.Sc., Ph.D.
Evans, Edith, M.Sc.
Catchpole, J. R., B.Sc.
Barker, L., B.Sc., Ph.D.
Isles, G. L., B.Sc., Ph.D.
Plummer, M., B.Sc.
Jackson, E. G., B.Sc.
Stubbs, J. J., B.Sc. Tech. Manc.
Howard, P., M.Sc., Ph.D.
Barstow, C., B.Sc.
Holland, B. H., B.Sc. Nott., M.Sc.

*Colour Chemistry and Dyeing*

Bradley, W., D.Sc., Ph.D. Manc., F.R.I.C. Prof.
Cross, E. J., B.Sc., Ph.D. Lond., F.R.I.C. (Col. Chem.) Sr. Lectr.
Bird, C. L., M.Sc., F.R.I.C. (Dyeing) Sr. Lectr.
Peters, A. T., D.Sc., Ph.D. Manc. (Col. Chem.) Sr. Lectr.
Sutcliffe, F. K., M.Sc. Manc., Ph.D. (Col. Chem. and Dyeing) Res. Lectr.
..... (Lakes and Pigments) Lectr.
Stevens, C. B., B.Sc., Ph.D. (Dyeing) Lectr.
..... (Phys. Chem.) Brotherton Res. Fellow.
Manchester, F., B.Sc. (Dyeing) Asst.
Watkinson, L. J., M.Sc. Res. Asst.
Denham, W. S., B.Sc. Lond., D.Sc. St. And., F.R.I.C. Hon. Fellow.

*Engineering, Civil*

Evans, R. H., D.Sc. Manc., Ph.D. Prof. and Admin. Hd. of Engin. Depts.
Wilson, G., M.Sc. Hon. Lectr.

Lecturers

Mackey, S., M.E., B.Sc. N.U.I., Ph.D.
Henry, F. D. C., B.Sc. Lond.
Jones, R., M.Sc. Manc.
Lightfoot, E., M.Sc. Lond.
Bennett, E. W., M.Sc. Brist. I.C.I. Res. Fellow.

*Engineering, Electrical*

Carter, G. W., M.A. Camb. Prof.
Stuart, W. S., M.Eng. Liv. (Electr. Communs.) Sr. Lectr., Dean, Fac. of Technol.

Lecturers

Bridgwood, T. G., B.Sc., Ph.D.
Greenwood, A. N., M.A. Camb., Ph.D.
Brayshaw, G. S., B.Sc., Ph.D. Lond.

*Engineering, Mechanical*

Christopherson, D. G., O.B.E., B.A., D.Phil. Oxon., S.M. Harvard Prof.
Leah, A. S., B.Sc., Ph.D. Reader.
Richardson, S. G., M.Sc. Sr. Lectr.
Shilton, R., B.Sc. Lond. Sr. Lectr.

Lecturers

Rounthwaite, C., B.Sc., Ph.D.
Appleyard, D., M.Sc.
Stansfield, H., M.Sc. Manc.
Mobbs, F. R., M.Sc.

*Leather Industries*

Burton, D., M.B.E., D.Sc., F.R.I.C. Prof.
..... Lectr.

Reed, R., M.Sc. Manc., Ph.D. Lectr.
Scholtz, J. Supervisor of Exper. Tannery.

Procter International Res. Lab.
McCandlish, D., M.Sc. Emer. Prof., Hon. Dir.
..... Res. Asst.

*Mining*

Whetton, J. T., D.S.O., O.B.E., M.C., T.D., M.Sc. Leeds and Durh. Prof.
Smith, H. G., B.Sc. (Metal Mining and Dressing of Minerals) Sr. Lectr.

Lecturers

Jowett, A., B.Sc., Ph.D. (Dressing of Minerals).
Potts, W. L. J., B.Sc. Durh. (Mining).
Broadhurst, P. H., B.Sc Lond. (Mining).
Myers, J. O., B.Sc. (Mine Surv. and Appl. Geophys.).
King, H. J., B.Sc. Lond. (Mining and Mine Surveying).
Habberjam, G. M., B.Sc., Ph.D. (Surv. and Appl. Geophys.).

Research Assistants

Huitson, J. J., M.A. Camb.
Duckmanton, B., B.Sc.
Harris, C. C., B.Sc. Lond.
2 other Res. Assts.

*Textile Industries*

Speakman, J. B., D.Sc. Manc., F.R.I.C., F.T.I. Prof.
Nissan, A. H., D.Sc., Ph.D. Birm., F.R.I.C. Wool Text. Engin. Res. Prof.
Astbury, W. T., M.A., Sc.D. Camb., D.Sc. Stras., F.I.P., F.R.S. (Textile Phys.) Hon. Reader.
Whewell, C. S., B.Sc., Ph.D., F.R.I.C., F.T.I. (Text. Finishing) Reader.
Chamberlain, N. H., B.Sc., Ph.D. (Rayon Technol.) Sr. Lectr.
Townend, P. P., B.Sc., Ph.D., F.T.I. (Yarn Manuf.) Sr. Lectr.
Woods, H. J., M.A. Oxon., F.I.P. (Text. Phys.) Sr. Lectr.
Snowden, D. C., M.Sc., F.T.I. (Weaving Mech.) Sr. Lectr.

Lecturers

Valentine, L., B.Sc., Ph.D. Aberd. (Chem. of High Polymers).
Meggy, A. B., B.Sc. Lond., D.Phil. Oxon. (Phys. Chem.) Brotherton Res. Lectr.
Peters, L., B.Sc. Lond., M.Sc., Ph.D. (Text. Industries).
Onions, W. J., B.Sc. Wales (Text. Testing).
Hannah, Dorothy M., M.A. Camb., M.Sc. Lond., Ph.D. (Text. Engin.).
Kisby, C. (Text. Design).
Bell, J. W., B.Sc., Ph.D. (Text. Chem.).
Young, D. (Cloth Anal. and Cloth Struct.).
Brook, G., B.Sc.
Davies, E. J., B.Sc. Wales, M.Sc. Res. Chem. & Hon. Lectr.
Truter, E. V., B.Sc., Ph.D. Lond. Res. Chem. & Hon. Lectr.
Kidd, F., M.A. Camb. Res. Chem. & Hon. Lectr.
Sikorski, J., Dipl. Ing. Warsaw, M.Sc. Res. Physicist & Hon. Lectr.
Madaraz, G. W., B.Sc.Tech. Manc., Ph.D. Failsworth Res. Fellow.

Intern. Wool Secretariat Fellows

Asquith, R. S., M.A. Oxon., Ph.D.
Laxer, G., A.B. N.Y.
Richards, H. R., B.Sc.
Milburn, A. H., B.Sc. Lond.
Boswell, H. R., B.Sc. N.Z.
Wroe, D., Ph.D. Birm., B.Sc.

Research Assistants
Sagar, Constance E., B.Sc.
Rodden, Shirley, B.Sc. Lond.
Terry, N. B., B.Sc. Lond., Ph.D.
Cowell, Dorothy, B.Sc.
Jagger, Lilian G., B.Sc. Wales, Ph.D.
Dorkin, Catherine M. C., M.Sc.

**Institute of Education**

Niblett, W. R., B.A. Brist., B.Litt. Oxon.
Dir. and Prof. of Educn.
Evans, A. A., M.A. Brist.
Dep. Dir.
Robertson, Seonaid M.
Pt.-time Res. Fellow.
Lecturers
Higginson, J. H., M.A., M.Ed.
Smith, Miss M. Metcalfe, M.A. (Primary E.).
Jones, C. M., M.Sc.
McCullagh, Sheila K., M.A.
Stevens, Frances M., B.A. Lond.
Richards, G. O., M.A., Mus.B. Camb., F.R.C.O. Sec.
..... Warden of Children's Centre.
Fifoot, E. R. S., M.C., M.A. Oxon.
Librarian.

**Adult Education and Extra-Mural Studies**

Raybould, S. G., B.Sc. (Econ.), Ph.D. Lond.
Prof. of Ad. Ed. and Dir. of E.-M. Stud.
Melling, J., M.A. Oxon.
Lectr. and Asst. Dir. of E.-M. Stud.
Sr. Lectr.: Baker, W. P., M.A. Camb., B.A. Oxon.
Staff Tutors: Baines, H., B.A.; Pybus, A. E.; Bellamy, C. V., B.Sc.; Duffy, A. E. P., B.Sc. (Econ.) Lond.; Johnson, C., B.A.; Baxandall, H., M.A. Camb.; Shaw, R., B.A. Manc.; Thompson, E. P., B.A. Camb.; Prichard, W. J., M.Com.; Stein, W., B.A. Manc.; Sudale, E. W., M.A. Oxon.; Rex, J. A., B.A. S.A.
Organizing Tutor: Brookman, P. E., B.Com.
Lectrs. in Adult Educn.: Harrison, J. F. C., M.A. Camb.; McLeish, J., B.Sc., Ed.B. Glas.; Jepson, N. A., B.A. Manc.
Lectr. in Depts. of Econ. and Adult Education: Johnson, A., B.Sc. Lond. Lectr. in Depts. of Soc. Studies and Adult Education: Wiseman, H. V., M.A. Oxon., B.Sc. (Econ.) Lond.
Univ. Extension Lectrs.: Saunders, J. W., M.A., B.Litt. Oxon.; de Rusett, A. W., M.A. Camb.; Kelly, A., M.A., LL.B. Glas., M.A.

**Services Education Work**

Lecturers: McGregor, J., B.A. Liv., M.Ed. (Educ. Method); Walsh, H. E., M.A., M.Ed.; Balmer, J., B.Sc.; Bishop, T. G., B.A., B.Sc. (Econ.) Lond.; Virgo, S. R., M.B.E.; Dalby, G. R., M.A.; Hunt, K. L., B.Sc. Brist.; Booth, N. H., B.Litt. Oxon.; Cross, R. V., B.A. Camb.
Warden, The Albert Mansbridge College: .....

## ADMINISTRATIVE AND OTHER STAFF

Univ Office. Sr. Admin. Officer, Med. Sch.: T. A. Divine, M.B., Ch.B. Sec., Dental Sch.: A. Batt. Asst. Bursar: E. Williamson, T.D., B.Sc. (Econ.) Lond. Asst. Registrars: D. A. Anthony, B.A. Wales; R. G. S. Ludlam, B.A.

Sheff.; L. R. Kay, B.A. Sheff. Planning Engineer: G. Wilson, M.Sc. Surveyor of the Fabric, A. L. Knighton. Supt. of Catering: Anne F. Brownlie. Photographer: W. Blackledge.

TUTOR OF WOMEN STUDENTS. .....

LIBRARY. Dep. Librarian, D. A. Clarke, M.A. Oxon.

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WARDEN OF OVERSEAS STUDENTS. S. G. Richardson, M.Sc.

WARDEN OF LODGINGS. Carol P. Abell, B.Com.

WARDEN OF WOMEN STUDENTS IN LODGINGS. Mrs. Marjorie Sledge, B.A.

STUDENT HEALTH. Univ. Med. Officer, R. J. Still, M.A., M.B., B.Chir. Camb.

APPOINTMENTS BOARD. Sec., O. H. J. Dick, B.A. Lond.

## AFFILIATED COLLEGES

COLLEGE OF THE RESURRECTION, Mirfield, Yorks. (*Telephone*: Mirfield 3362.) Warden—Rev. Father H. Bishop.

RAWDON COLLEGE, Rawdon, nr. Leeds. (*Telephone*: Rawdon 59.) Principal—.....

TECHNICAL COLLEGE, Queen St. S., Huddersfield. (*Telephone*: Huddersfield 5260.) Principal—W. E. Scott, M.B.E., M.Sc., Ph.D. Durh., F.R.I.C.

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 Sq., Leeds, 2. (*Telephone*: Leeds 25788.) Principal of the College—C. Chew, M.Sc. Tech. Manc., F.R.I.C.

## GENERAL INFORMATION

The Leeds School of Medicine, founded in 1831, and the Yorkshire College of Science, founded in 1874, were united in 1884. The Coll. formed part of the Victoria Univ. from 1887 to 1904, when a Univ. was established in the city of Leeds by Royal Charter.

As the Univ. has developed during the past half-century, accomm. has been provided by the construcn. of a number of bldgs. and by the conversion of property, largely situated nr. the Univ., for the use of depts., halls of residence, etc. The Brotherton Library was completed in 1936 and the Parkinson Bldg., which contains the Central Court, a number of depts., lecture theatres and admin. offices, was opened in 1951.

CONSTITUTION. The *Court* is the governing body of the Univ. and is empowered to regulate and determine all Univ. matters in the ways required by the Charter and Statutes. The *Council* is the executive body of the Univ.

and exercises such powers as are granted to it by the Court and by Statute. Included among the powers of the Council by Statute are the institution, after a report by the Senate, of teaching offices, and the management of the financial affairs of the Univ. Subject to Statutes and Ordinances and to review by the Court, the *Senate* controls and generally regulates instruct. and educn. The *Chancellor* is the Head and Chief Officer of the Univ. and is President of the Court and the Council. In the absence of the Chancellor, the *Pro-Chancellor* presides at meetings of these two bodies; the *Vice-Chancellor* is *ex officio* Chairman of the Senate. The Chancellor, Pro-Chancellor and Vice-Chancellor are elected by the Court on the nomination of the Council.

INCOME (year ending July 31, 1952). Total income, £1,064,782 (Parliamentary Grants, 68 per cent.; Local Authorities' Grants, 6 per cent.; Fees, 15 per cent.; Interest on Investments, 2 per cent.; other sources, 9 per cent.).

LIBRARY. Brotherton Library, 365,876 books and pamphlets. Brotherton Collection, 39,997 books and pamphlets, including 251 incunabula, together with 604 MSS., 4106 deeds and 31,995 letters. Medical Library, 28,829 books and pamphlets. Dental Library, 1325 books and pamphlets. Agricultural Library, 31,949 books and pamphlets. Textile Library, 4980 books and pamphlets. Inst. of Education Library, 6702 books and pamphlets. Other Departl. Libraries, 18,067 books and pamphlets. Other sp. collections: (*a*) 3000 vols. in French on Gt. Britain, printed before 1805; (*b*) 397 vols. on events in France in 1870–71; (*c*) Icelandic and Scandinavian Collection of about 13,000 vols. and pamphlets; (*d*) Mitrecey Collection of 612 vols. on occultism; (*e*) All Souls Collection of 2294 vols. on early sci. and theol.; (*f*) Library of Leeds Philosophical and Literary Soc., presented in 1936; (*g*) Chaston Chapman Chem. Library, about 3000 vols. and many thousands of pamphlets; (*h*) Chaston Chapman Collection of early alchemical and sci. books, 1116 vols.; (*i*) Blanche Leigh Collection of cookery books, largely of 17th and 18th centuries, 1300 vols.; (*j*) Holden Theological Library, belonging to Diocese of Ripon, 9400 books and pamphlets; (*k*) Harold Whitaker Collection of atlases and maps, particularly of English counties, about 450 vols.

MUSEUMS. Agric., Bot., Dyeing, Geol., Mat. Med., Pathol., Soc. Studies (Anthropol.), Textiles, Zool., Forensic Med.

LABORATORIES. Agric. Chem., Anat., Anæsth., Biochem., Biomolecular Structure, Bot., Cancer, Chem. Engin., Chem., Chem. Pathol., Coal Gas and Fuel Technol., Colour Chem. and Dyeing, Dent., Engin. (Electr., Civ., Mech.), Forensic Med., Geol., Leather Industries (including Procter Internat. Res.), Maths., Med., Med. Phys., Metall., Mining, Pathol. and Bacteriol., Pharm. and Pharmacol., Phys., Physiol., Rheum., Surg., Textiles, Zool.

HOSPITALS available for Clinics: Infirmary (590 beds), Women's Hosp. (103 beds), Maternity Hosp. (112 beds), St. James Hosp. (280 beds), Seacroft Hosp. (30 beds).

FACULTIES AND DEANS. *Arts*, Prof. J. A. Davison (Gk.); *Econ. and Commerce*, L. G. Johnson (Econ.); *Law*, G. L. Haggen; *Medicine*, Prof. P. J. Moir (Surg.); *Science*, Prof. T. G. Cowling (Appl. Maths.); *Technology*, W. S. Stuart (Elect. Communications).

OUTLYING DEPTS., ETC. Univ. Experimental Station (pt. of Dept. of Exper. Pathol. and Cancer Res.), Lumby Hall, S. Milford, Leeds; Univ. Farm (pt. of Dept. of Agric.), Headley Hall, nr. Tadcaster.

DEPARTMENT OF ADULT EDUCATION AND EXTRA-MURAL STUDIES. Dir.: Prof. S. G. Raybould, B.Sc., Ph.D. Instituted 1946. Lecture courses and Tutorial classes provided, the latter in co-operation with the W.E.A. and L.E.A.s.

INSTITUTE OF EDUCATION (*see also* p. 164). The Univ. Inst. of Educn., constituted in 1948, exists primarily to further and co-ordinate the training of teachers, and to recommend to the Ministry of Education for qualified teacher status students, both grad. and non-grad., who have satisfactorily completed a course of teacher training. The Inst. provides facilities for the study of and res. in educn. and acts as a centre of discussion and activity for teachers and others concerned with educn. It comprises the following constituent member institutions: The Univ. Dept. of Education; Bingley Training College; Bretton Hall; City of Leeds Training College; Huddersfield Training College; Ilkley College of Housecraft; Leeds College of Art (Teacher Trg. Dept.); North Riding Training College; Margaret McMillan Training College; Ripon Training College; St. John's College, York; Yorkshire Training College of Housecraft; and the following Associated Member Institutions: Dept. of Pædiatrics and Child Health; Dept. of Psychiatry; Dept. of Psychology; Dept. of Adult Educn. and Extra-Mural Studies; Dept. of Physical Education; Carnegie College of Physical Education; Woolley Hall.

ADMISSION. *See* Appendix I. Non-members of the Univ. may be admitted to read for dipls. or other non-grad. qualificns. or to attend courses of tuition or pursue research not leading to qualificns. of the Univ.

DEGREES. Obtainable after a 3 yrs.' course from matricn.—B.A., B.Mus., B.Sc. (Hons. degree usually 4 yrs.), LL.B., B.Com. (which may be taken with an Appl. Sci. as one of the principal subjects), 3 yrs. for degree, or 4 yrs. including Dipl. 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 Hons. in General Studies or Special Studies (v. p. 12).

*Mining* students receive practical instruction in mines under arrangements made with the National Coal Bd., but the courses are not intended to supersede the usual apprenticeship.

Hons. students of Mod. Langs. (esp. French and German) normally spend 3rd term of 2nd yr. at some approved foreign Univ.

Supplementary Textile studies may be combined with a B.Com. course. Any of the Tech. subjects may be taken in a B.Sc. course. The Dept. of Law prepares students for the Bar and Solicitors' examns. as well as for the Univ. degrees.

HIGHER DEGREES. B.D., M.A., LL.M., M.Com., M.Ch.D., 1 yr.; M.Ed., M.Sc., 2 yrs. (for holders of Hons. B.Sc., 1 yr. after the bachelorship). Grads. of approved Univs. (including the chief Univs. of the world; each case is considered on its merits) may obtain the M.A., Ph.D. (v. p. 24), or M.Sc. by 2 yrs. of res. Grads. of this Univ. may make applicn. for the Litt.D. or D.Sc. in the 6th yr. after graduation; D.D., LL.D., M.D., 3 yrs. after graduation; Ch.M., 5 yrs. after graduation (2 yrs.' course).

Grads. of other Univs. who have been admitted to degrees of equal or similar rank in Leeds may, in proceeding to higher degrees, count their standing as grads. from the date of original graduation.

DIPLOMAS. Pub. Admin., 2 winter sessions; Biblical Studies, Hebrew, Spanish, 2 yrs. pt.-time; Social Studies, 2 yrs. (1 for grads.); Theol., 3 yrs.; Ceramics, Dyeing, Engin. (Gas, Chem., Mining), Fuel Technol., Leather, Metall.,

Textile Industries, 3 yrs., reducible under certain conditions to 2; Colour Chem., 4 yrs.

POSTGRADUATE DIPLOMAS. Agric. Bacteriol., Agric. Bot., Agric. Chem., Agric. Econ., Agric. Zool., Agric. (Farm Management), Ceramics, Chem. Engin., Fuel Technol., Gas Engin., Geog., Metall., Mineral Dressing and Coal Preparation, Plant Cytol., Plant Pathol., Textile Industries, 1 yr. (sometimes 2) after graduation; Pub. Health, 18 mos.' pt.-time study commenced 2 yrs. after graduation; Psychological Med., 3 yrs.; Nursing, 4 yrs.' hosp. trg. and 3 terms' lectures; Dent. Surg., 4 yrs.

CERTIFICATES. Grad. in Educn., 1 yr.; Nurse Teachers', 1 yr. (for S.R.N.s with 3 yrs.' exp. plus 1 yr. as ward sister); in Pub. Health, 2 terms' pt.-time study commenced 2 yrs. after graduation; in Russian, min. 2 yrs. pt.-time; in Teaching of Hebrew, 1 yr., for holders of Dipl. in Hebrew or equivalent qualificn.

FEES. Matricn., £2. Registration, £2 (£5 for overseas students). Composition fees for tuition (including Union): Arts, £36 a session; Law, £16: 11s.; Sci., £44; Technol., £48 (in addition, sp. materials charge of £10 for overseas students in Textile Dept.); Agric. Degree, 1st session, £44, 2nd and 3rd sessions (and 4th if required), £48. Course for Dipl. in Educn., £46 p.a.; Dipl. in Soc. Studies, £31 p.a. Med.: complete course for M.B., hosp. practice and maternity hostel residence, £312; Dent. (including hosp. practice and pupilage): Dipl., £270; Degree, £290; Res. fee, £16 to £29 a session. Examns.: Arts, Sci., etc., £6; B.Ch.D., £16; graduation fee, £7; Med. (including graduation), £25; L.D.S., £16; conferment fee, £6.

VACATION COURSES for teachers are occasionally arranged by Inst. of Educn. Details from Sec.

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

ACADEMIC SESSION: Oct. to June or July, comprising 3 terms of 10 weeks each.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 164.) For Women (fees: £104 to £110 per session): Weetwood Hall, Far Headingley, Leeds, 6 (*telephone*: 517711), 97 students; Oxley Hall, Far Headingley, Leeds, 6 (*telephone*: 517171), 131 students; Lupton Hall, Wood Lane, Headingley, Leeds, 6 (*telephone*: 52521), 35 students; Ellerslie Hall, Cavendish Rd., Leeds, 1 (*telephone*: 29422), 11 students; Tetley Hall, Moor Rd., Leeds, 6 (*telephone*: 52067), 39 students. For Men (fees: £121 per session): Devonshire Hall, Cumberland Rd., Leeds, 6 (*telephone*: 52641), 171 students; Lyddon Hall, Virginia Rd., Leeds, 2 (*telephone*: 21276), 56 students; Woodsley Hall, Clarendon Rd., Leeds, 2 (*telephone*: 231241), 47 students; Sadler Hall, Church Lane, Adel, Leeds, 6 (*telephone*: 78074), 34 students. Croft Hall, Hyde Tce., Leeds, 2 (*telephone*: 239491), (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. The Bd. exists to give advice and information to students and graduates about careers and to help them to obtain posts. (For Sec. *see* "Administrative and other Staff," p. 164.) Number of students and grads. on the Appts. Register, 1951–52, 556.

OVERSEAS STUDENTS' COMMITTEE. Sec., The University. A Warden and Adviser of Overseas Students was apptd. in 1952 to advise overseas students on their personal and academic problems and to bring them into closer contact with the Univ. and its neighbourhood.

An OLD STUDENTS' ASSOCN. was formed in 1923 and now has branches in various parts of the country. Hon. Secs.: A. Pollard, B.Sc., and W. H. Trickett, B.Sc.

DEPARTMENT OF STUDENT HEALTH. Instituted 1949. Provides an advisory and preventive med. service for students, including annual med. examns. and X-ray examns. A sick-bay is provided, under the care of a resident Nursing Sister.

UNIVERSITY TRAINING CORPS (T.A.)., AIR TRAINING SQUADRON AND WOMEN'S ROYAL ARMY CORPS (T.A. sub-unit). Information as to conditions of membership, etc., of these units may be obtained from the Commanding Officers, while advice about service in the Royal Navy may be obtained from the Naval Liaison Officer, Lt.-Commander C. W. Buckley.

UNIVERSITY UNION. All students of the Univ. are members of the Univ. Union. The official journal of the Union is *The Gryphon*, and a *Union News* newspaper keeps students informed of Union activities and gives them an opportunity of expressing their opinion. A Handbook and Diary is published annually. Facilities for the full range of outdoor and indoor games are available, including rugger, soccer, tennis, cricket, hockey, lacrosse, athletics, net-ball, rifle-shooting, gymnastics, basket-ball, badminton, table tennis, swimming and fives.

PUBLICATIONS. *Calendar* (Sept.) (15s. post free); *Gazette*, per issue, 6d. (post free); Faculty and departmental *Prospectuses*; Publicns. by members of Univ. (list of); *Courses and Careers in Technology*; *Courses in Pure Science* (advisory pamphlets); *University of Leeds Review*, 4s. p.a. or 2s. 6d. per issue; *University of Leeds Medical Journal*; 3 issues p.a. 15s. Students' publicns.: *The University Union Handbook*; *The Gryphon* (magazine), 6s. annually; *Union News* (fortnightly newspaper).

## THE YEAR 1951–52

BENEFACTIONS. Nine donors, £190 for Dept. of Semitic Langs. and Lits. and its library; W. H. Dean, 4th annual donation of £2000 for res. in Dept. of Econ.; M. H. Tetley, £2000 for furniture, carpets and equipment at new Tetley Hall of Residence; Mrs. McGrigor Phillips, £500 for Romany collection in Library. During yr. total of £70,000 recd. from public bodies and private donors, mainly in form of grants earmarked for particular depts.

NEW BUILDINGS. New Refectory and Staff House, foundations completed, and structural steelwork erected; alterations to Lyddon Hall (Men's Hall of Residence) completed; lamp standards and additional lighting and handrails to Parkinson Bldg. entrance steps undertaken and gift made by G. W. Chapman for provision of a chime of bells in Parkinson Tower; repairs and alterations at Headley Hall and Spen Farms and Farm Dir.'s House at Wise Warren Farm completed; work commenced on new cow-house and dairy; 1st stage of new mezzanine floor in Brotherton Library completed and 2nd stage ordered for 1953 (the stack is the first of its kind to be constructed in aluminium and plastic); installation of new electrostatic filtration plant begun in Brotherton Library to permit increased circulation of air and reduction of dirt; new steam main planned to link New Refectory and future Rayon bldgs. as 1st phase of long-term district heating scheme; 3-phase Electricity Supply extended to serve Boiler House No. 2, Agric. Bldg. and Dyeing, Engin., Leather and Chem. Depts.; 2nd stage of alterations for Dept. of Biochem. at 9/13 Hyde Tce. commenced; res. labs. made in 8 St. Mark's Tce. for Dept. of Chem.,

and accomm. provided elsewhere for Dept. of Biomolecular Structure ; Bacteriological lab. provided in Dept. of Leather ; production engin. lab. made in Dept. of Mech. Engin. ; prefabricated hut erected at Roman Camp, Bainbridge, for classes in Archæol. ; 2 rooms converted for Bot. Dept., and rooms in Mining Bldg., vacated by Coal Survey Dept., re-adapted.

NEW POSTS. Sr. Lectureship in Dept. of Obstet. and Gynæcol. ; Speech Trainer in Dept. of Educn. ; Extension Lectureship in Dept. of Adult Educn. and Extra-Mural Studies ; pt.-time post in Dept. of Econ. and Comm. ; pt.-time post in Dept. of Law.

PRINCIPAL CHANGES IN REGULATIONS. Institution of 4 yrs.' course in Classics and new course in Criticism in English Lit. ; courses provided to enable French Sp. Studies students to continue study of old French Lang. and Lit. in 3rd yr. ; instrucn. in principles and use of aerial photographs added to syllabus for sp. studies sch. of Geog. ; institution of 2 yrs.' course in Fine Art for degree of B.A. in gen. studies ; alterations to syllabus for degree of B.A. in sp. studies in Theol. ; approval of 2 new courses for degree of B.Com., one with Agric. Econ. and other with Stats. as principal subj. ; rearrangement of course leading to degree of LL.B., whereby all students now take one final examn. in 7 subjs. with 2 addtnl. papers for hons. students ; course for students in sp. studies sch. of Geol. extended to 4 yrs. ; institution of sp. studies sch. in Pharmacy and postgrad. dipl. in Plant Cytol. ; establishment of new postgrad. course in Mineral Dressing and Coal Preparation, and 2 postgrad. courses in Plant Pathol. ; amendments making it unnecessary, from Oct. 1952, for students entering on course for first M.B., Ch.B. examn. to pass or obtain exemption from pre-registration examn., and requiring 5 instead of 6 terms after first M.B., Ch.B. examn. to be spent on Anat. and Physiol.

EXTRA-MURAL WORK. During session 76 Tutorial Classes, 6 Prep. Tutorial Classes and several shorter courses undertaken. 2 wks.' Summer Sch. at Bishop's Stortford in co-op. with W.E.A. Extension Lectures Cttee. organized 17 3-yr. courses (15 of which lead to Univ. Extension Cert.), two 2-yr. courses, 11 1-yr. courses, 16 shorter courses, 10 single lectures, 4 vac. courses and 3 week-end schools. Civilian Aid to Services' Educn. continued.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. G. M. A. Grube, Tor. ; Prof. A. Fuchs, Stras. ; Prof. H. Kurath, Minn. ; Dr. M. Lefort, Paris ; Prof. O. Kratky, Graz ; Prof. J. M. Bijvoet, Utrecht ; Prof. C. Ehresmann, Rome ; Prof. C. H. Fritsche, Aachen ; R. Nevitt Sandford, Calif. ; Prof. A. Bütenandt, Tübingen.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Miss M. E. A. Boultwood, U.S.A. ; Prof. Dainton, Canada ; Prof. Davison, Germany ; Prof. A. Gillies, Saar ; Prof. H. S. Ruse, Paris and Prin. ; M. de Sausmarez, Makerere U.C. ; G. Wilson Knight, S. Africa.

RETIREMENTS. A. H. Dainton (Hist.) ; Prof. L. E. Browne (Theol.) ; Dr. L. Lloyd (Zool.) ; E. Sinkinson (Fuel) ; Prof. J. W. McLeod (Bacteriol.).

RESIGNATIONS. Rev. P. R. Ackroyd (Theol.) ; Dr. J. G. Benstead (Pathol.) ; Rev. Dr. M. Black (Theol.), apptd. to Chair of Biblical Crit. and Biblical Antiquities, Edin. U. ; N. Carpenter (Mech. Engin.) ; Dr. G. H. N. Chamberlain (Inorg. and Phys. Chem.) ; T. G. Griffith (Italian) ; G. Harrison (Surg.) ; C. L. Howard (Philos.) ; K. W. Humphreys (Brotherton Library), apptd. Librarian, Birm. U. ; H. H. Huxley (Lat.) ; Dr. W. Ironside (Psychiatry) ; J. D. Jenkins (Mining) ; Dr. J. Kalicki (Maths.) ; Maj.-Gen. J. C. Latter (Appts. Bd.) ; Miss A. E. Priestley (Geog.) ; Mrs. M. Whitaker (Org. Chem.).

DEATHS. Emer. Prof. I. D. O. Arnold (French Lang. and Lit.); J. Baddiley (life member of Ct. and member of Text. Ind. and Dyeing Advis. Cttee.); Sir John Barran (life member of Ct.); Lord Lindsay of Birker (Hon. Grad.); Col. G. Bray (member of Ct. and Council, House and Estates and Mil. Educn. Cttees.); Sir Montague Burton (Hon. Grad., member of Ct. and Council, Finance Cttee, and Appts. Bd.); Dr. H. D. Dakin (grad. and Hon. Grad.); Dr. F. M. Earle (Sr. Res. Fellow in Inst. of Educn.); Sir Richard Gregory (Hon. Grad.); C. Hainsworth (member of Text. Ind. and Dyeing Advis. Cttee.); Ald. J. Hargrave (member of Ct. and Council, Bd. of Extra-Mural Studies and Bd. of Inst. of Educn.); Co. Ald. W. J. Johns (member of Council and of Bd. of Inst. of Educn.); Miss H. McLaren (Warden of Oxley Hall, 1932–47); Prof. H. S. Raper (Hon. Grad. and member of Ct., member of staff, 1913–23); Dr. R. Shaftlin (Lectr. and Hd. of Dept. of Russian Lang. and Lit.); Prof. N. V. Sidgwick (Hon. Grad.); Sir Charles Scott Sherrington (Hon. Grad.); Emer. Prof. P. L. Sutherland (member of staff, 1920–46); Emer. Prof. A. Hamilton Thompson (Hon. Grad. and member of staff, 1922–39); G. H. Thompson (Hon. Grad.); Mrs. M. A. Whitehead (Pt.-time Lectr., Dept. of Educn.); G. Winfield (Lectr. in Physiol.); J. W. Wootton (member of Cancer Res. Advis. Cttee.).

HONORARY DEGREES. *LL.D.*—E. Green, Gen. Sec. W.E.A., 1934–50; W. Riley Smith, sportsman and public figure in Yorkshire; Sir James Turner, grad. of Univ., Pres. National Farmers' Union, England and Wales; Prof. A. H. Aldridge, Chief Surgeon to Women's Hosp. in State of New York and Clin. Prof. in Obstet. and Gynæcol., Col. U.; Prof. M. A. Bouwdijk Bastiaanse, Prof. and Hd. of Dept. of Obstet. and Gynæcol., Amst. U.; Sir Eardley Holland, Consulting Gynæcologist, Lond. Hosp., City of Lond. Maternity Hosp. and W. Herts. Hosp., Past Pres. of R. Coll. of Obstetricians and Gynæcologists. *Litt.D.*—Arthur Ransome, author, biographer and journalist; Wyndham Lewis, author and artist. *D.Sc.*—Sir Cyril Hinshelwood, scientist.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 344 | 2516 |
| Women | 99 | 704 |
| Total | 443 | 3220 |

Postgraduate students, 623.

First-year admissions, 1088.

Students (full-time) from other countries, 228. (Countries from which largest numbers came: India, 30; Norway, 25; Egypt, 19; Greece, 19; U.S.A., 10; British W. Africa, 9.)

DEGREES AWARDED. *Arts* (including Theol.): B.A., 217; B.Mus., 3; Ph.D., 7; M.A., 17; M.Ed., 4. *Econ. and Comm.*: B.A., 11; B.Com., 12. *Law*: LL.B., 22; LL.M., 2. *Med.* (including Dent. and Pharmacy): M.B., Ch.B., 52; M.D., 4; Ph.D., 3; B.Ch.D., 21. *Sci.*: B.Sc., 124; Ph.D., 45; M.Sc., 6. *Technol.*: Agric., B.Sc., 33; M.Sc., 2; Coal Gas and Fuel Industries with Metall., B.Sc., 7; Ph.D., 4; M.Sc., 2; Gas Engin., B.Sc., 1; Chem. Engin., B.Sc., 5; Colour Chem. and Dyeing, B.Sc., 9; Ph.D., 2; Engin., B.Sc., 41; Ph.D., 2; Leather, B.Sc., 8; Ph.D., 1; Mining, B.Sc., 15; M.Sc., 3; Textiles, B.Sc., 16; Ph.D., 9; M.Sc., 3.

DIPLOMAS AND CERTIFICATES AWARDED. Dipl. in Educn., 139; Pub. Admin., 30; Social Studies, 24; Spanish, 4; Biblical Studies, 1; Textile Industries, 26; Dyeing, 9; Gas Engin., 3; Mineral Dressing, 1; Leather Industries, 1; Agric. (Farm Management), 4; Agric. Chem., 2; Agric. Zool., 1; Dent. Surg. (L.D.S.), 21. Cert. in Teaching of Hebrew, 1; Nursing, 5; Psychological Med., 3; Pub. Health, 7.

[*Information compiled as at 29/4/53; Staff list revised on 7/9/53.*]

# UNIVERSITY OF LIVERPOOL

Founded 1903

*Postal Address*: Brownlow Hill, Liverpool 3, England.
*Telephone*: Royal 6022.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—THE MARQUESS OF SALISBURY, K.G., Hon. LL.D. Manc. and Liv.

PRO-CHANCELLORS—V. E. COTTON, C.B.E., T.D., M.A. Camb., Hon. LL.D.; Sir JOHN R. HOBHOUSE, M.C.

VICE-CHANCELLOR—Sir JAMES 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—Professor A. W. DOWNIE, M.D., D.Sc.

TREASURER—BERTRAM NELSON.

CHAIRMAN OF CONVOCATION—A. W. BEESTON, M.Sc., Ph.D., F.R.I.C.

REGISTRAR—STANLEY DUMBELL, O.B.E., M.A.

FINANCE OFFICER—R. LEWIN.

ASSISTANT REGISTRARS—H. H. BURCHNALL, M.A. Oxon. (*Esquire Bedell*); S. R. WHIPPLE, D.F.C., B.A. Oxon. (*Appointments Officer*); J. F. CORY DIXON, T.D., F.A.I. (*Estate Officer*).

LIBRARIAN—K. POVEY, M.A. Camb.

## TEACHING STAFF

*Anatomy*

Harrison, R. G., M.A., D.M. Oxon. Derby Prof.

Lecturers

Braithwaite, J. L., M.D. Manc.
Macmillan, E. W., M.B.E., M.D. Edin.
Hughes, J. Howell, M.D., Ch.M., F.R.C.S. (App. Surg. A.).
Baker-Bates, E. T., M.D., F.R.C.P. (App. Med. A.).
Whitaker, P. H., M.D., D.M.R.E. (App. Radiol. A.).

Assistant Lecturers

Clegg, E. J., M.B., Ch.B. Sheff.
Lisowski, F. P.
Bowsher, D. R., M.A., M.B., B.Chir.

*Archæology*, v. also History, Anc.

Fairman, H. W. (Egyptology) Brunner Prof.
Powell, T. G. E., M.A. Camb., F.S.A. (Prehistoric A. of W. Europe) Rankin Lectr.

*Architecture*, v. also Civ. Design, Engin.

Gardner-Medwin, R. J., B.Arch., Dipl.C. Design, F.R.I.B.A. Roscoe Prof.

* 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. A.) Reader.

Sr. Lectrs. and Studio Instrs.

Wilkinson, S., B.Arch.

Thomas, D. P., B.Arch., Dipl.C. Design.

Lecturers and Studio Instrs.

Miller, B. A., B.Arch., F.R.I.B.A.

Young, R. R. R., B.Arch.

Phillips, W. J., Dipl.Arch. Cardiff, Dipl.C. Design.

Morgan, B. G., B.Arch., Dipl.C. Design.

Beech, G. R., B.Arch., Dipl.C. Design.

Thompson, J. S., T.D., B.Arch.

Wiesner, A. E., Ing.Arch. Vienna.

Pietka, L. J., Ing.Arch., Dipl.C. Design.

Higginson, F. St. G., D.A. Edin.

Stewart, D. M., D.A. Edin.

Topley, W. E., Dipl.Arch.

Velarde, F. X., B.Arch., F.R.I.B.A.

Smith, G. 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., D.Sc., F.R.I.C. Sr. Lectr.

Lecturers

Glover, J., M.Sc. Belf., Ph.D.

King, H. K., M.A., Ph.D. Camb., F.R.I.C.

Pitt, G. A. J., B.Sc. Asst. Lectr.

*Botany*

Burges, N. A., M.Sc. Syd., Ph.D. Camb. Holbrook Gaskell Prof.

Lecturers

Knight, Margery, D.Sc., F.L.S.

Mathias, W. T., M.Sc. Wales, Ph.D., F.L.S.

Coult, D. A., M.Sc. Lond.

Hare, C. L., M.Sc. Lond., Ph.D. Aberd.

Burrows, Elsie M., B.Sc., Ph.D. Lond., F.L.S. 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.) Heath Harrison Prof.

Bawn, C. E. H., B.Sc., Ph.D. Brist., F.R.S. (Inorg. and Phys.) Grant Brunner Prof.

Griffith, R. O., D.Sc. (Phys.) Reader, Dean Fac. of Sci.

McGookin, A., D.Sc., Ph.D. (Org.) Sr. Lectr.

Hickling, A., D.Sc., Ph.D. Sheff., F.R.I.C. (Phys.) Sr. Lectr.

Lecturers

Edwards, D. M., M.C., B.Sc. (Inorg. and Phys.).

Beer, R. J. S., M.A., D.Phil. Oxon. (Org.).

Doran, W., M.Sc. (Org.).

Occleshaw, V. J., M.Sc., Ph.D., F.R.I.C. (Inorg. and Phys.).

McDowell, C. A., M.Sc. (Inorg. and Phys.).

Douglas, H. W., M.Sc., Ph.D. (Inorg. and Phys.).

Holliday, A. K., B.Sc., Ph.D. Leeds (Inorg. and Phys.).

Whalley, W. B., D.Sc., Ph.D., F.R.I.C. (Org.).

Spice, J. E., B.Sc., M.A., D.Phil. Oxon. (Inorg. and Phys.).

Meara, M. L., D.Sc., Ph.D. Brist., F.R.I.C. (Org.).

Grimley, T. B., B.Sc., Ph.D. Brist. (Inorg. and Phys.).

Tipper, C. F. H., B.Sc., Ph.D. Brist. (Inorg. and Phys.).

Dean, F. M., B.Sc., Ph.D. (Org.).
Skirrow, G., B.Sc., Ph.D. Lond. (Inorg. and Phys.).

Assistant Lecturers
Holker, J. S. E., M.Sc. (Org.).
Shaw, A., M.Sc. Manc., Ph.D. (Inorg. and Phys.).

*Civic Design*
..... Lever Prof.
McCaughan, R. E. M., M.A., B.Arch. Sr. Lectr.
Reynolds, Josephine P., M.A., B.Arch. Lectr.
Howell, B., A.B. Calif. Lectr.

Special Lecturers
Taylor, A. J. E., LL.M. (Law in relation to Planning & Housing).
Clark, H. F. (Landscape Des.).
Reed, C. D., M.Eng. (Principles of Civic Engin.).
Mellor, T., B.Arch. Leverhulme Res. Fellow.

*Classics : Greek*
Armstrong, A. H., M.A. Camb. Gladstone Prof.
Pinsent, J., M.A. Oxon. 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.
Barr, W., B.A., Ph.D. Asst. Lectr.

*Commerce*
Parkinson, B. B., M.Sc. (Econ.), B.Com. Lond. Lectr.

*Dentistry*, v. *infra*

*Economic Science*
Hyde, F. E., M.A., Ph.D. Lond., F.R.Hist.S. Chaddock Prof.
Shackle, G. L. S., B.A., Ph.D. Lond., D.Phil. Oxon. Brunner Prof.

Lecturers
Robertson, W., M.A. St. And.
Clayton, G., M.A. Camb.
Please, S., M.Sc. (Econ.) Lond.
Marriner, Sheila, M.A.
Parker, H. R., B.A.

Assistant Lecturers
Osborn, W. T., M.A. Camb., B.Sc. (Econ.) Lond. (Ec. Stat.).
Saul, S. B., B.Com. Birm. (Ec. Hist.).

*Education*
Porteous, A. J. D., M.A. Edin. and Oxon. Prof.
Land, F. W., M.Sc., Ph.D. Lond. Sr. Lectr.

Lecturers
Spence, Margaret E., M.A. (Ed.) Brist.
Wallace, J. E., D.Mus. Durh., F.R.C.O. (Music).
Tozer, A. H. D., M.A. Camb.
Murphy, J., M.A.
Griffiths, J., M.A., F.R.Hist.S.
Moore-Rinvolucri, Mrs. Mina J., O.A., D. de l'U. Stras., M.A.
Larwood, H. J. C., M.Sc., M.Ed. Durh., F.R.A.S.

Special Lecturers
Doran, W., M.Sc.
Edwards, E., M.A. Tor., B.Sc. Wales.
Monkhouse, F. J., M.A. Camb.
Illingworth, Sarah, B.Sc. Tutor and Demr.
Brunton, C. E., M.A., M.D., Sc.D. Dub. (Sch. Hygiene) Hon. Lectr.

Teachers
Lewis, Marjorie (Drawing).
Cameron, Elizabeth L. (Writing).
Wigforth, Bertha (Weaving).
Ainsworth, H. (Woodwork).

Raffle, J. W., B.A. (Blackboard Work).

*Egyptian and Coptic*

Fairman, H. W., M.A. (Egyptol.) Brunner Prof.

*Engineering*, v. *infra*

*English Language and Philology*

Potter, S., M.A. Lond., B.Litt. Oxon., Ph.D. Prague Baines Prof.
Colledge, E., M.A. Sr. Lectr.
Bazire, Joyce, M.A. Leeds Lectr.

*English Literature*

Muir, K., M.A. Oxon. King Alfred Prof.
McIlwraith, A. K., M.A., D.Phil. Oxon. A. C. Bradley Sr. Lectr.
Davenport, A., M.A. Sr. Lectr.

Lecturers

Allott, K. C. B., M.A. Durh., B.Litt. Oxon.
Davies, R. T., M.A. Oxon.
Allott, Mrs. Miriam, M.A., Ph.D.
Grundy, Joan, M.A. Lond.

*Esperanto*

Collinson, W. E., M.A. Lond., Ph.D. Buchanan Lectr.

*French*

Fletcher, F. T. H., M.A., D.Litt. Birm., D. de l'U. Nancy, O.A. J. Barrow Prof.
Linskill, J., D. de l'U. Stras., M.A. 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.
Chadwick, C., M.A. Asst. Lectr.
3 French Tutors.

*Geography*

Smith, W., M.A. Rankin Prof., Dean, Fac. of Arts.

Lecturers

Monkhouse, F. J., M.A. Camb.
Wilkinson, H. R., M.A.
Lawton, R., M.A.
Learmonth, A. T. A., M.A., Ph.D. Edin.
Gregory, S., M.A., F.R.Met.S.
Gresswell, R. K., M.A., F.R.S.A., F.G.S. Sp. Lectr.

*Geology*

Shackleton, R. M., B.Sc., Ph.D. Herdman Prof.
Harper, J. C., M.Sc. Lond., Ph.D., F.G.S. Lectr.
Wilson, C. D. V., M.A., Ph.D. Camb. Lectr.
Bathurst, R. G. C., B.Sc. Lond., F.G.S. Asst. Lectr.

*German*

Collinson, W. E., M.A. Lond., Ph.D. (also Hon. Lectr. in Comp. Philol.) Prof.
Wirtz, Erika A., B.A. R'dg. and Glas. Lectr.
Wiener, F. I., M.A. Manc., Dr.Phil. Bres. Lectr.
Barker, D., M.A. Lectr.
Fox, W. H., B.A. Asst. Lectr.

*Hebrew and Ancient Semitic Languages*

Martin, W. J., M.A. Dub., B.D. Princeton Theol. Sem., Ph.D. Leipzig Rankin Lectr.

*Hispanic Studies: Portuguese and Catalan*

Lamb, N. J., M.A. (Portuguese) Lectr.

*Hispanic Studies: Spanish*

Sloman, A. E., M.A. Oxon. and Dub., D.Phil. Oxon. Gilmour Prof.
Lara, María V. de, Lic. en F. y L. Madrid Lectr.
Hall, H. B., M.A. Lectr.
Rubió, J. Asst. Lectr.

*History, Ancient, and Archæol., Classical*

Walbank, F. W., M.A. Camb. Rathbone Prof.
Eames, J. V. H., M.A. Oxon. C. W. Jones Lectr.
Marsden, E. W., B.A. Camb. Asst. Lectr.

*History, Mediæval*

Barraclough, G., M.A. Oxon., D.Phil. Camb. Prof.
Myers, A. R., M.A. Manc., F.R.Hist.S., F.S.A. Lectr.
Liebeschütz, H., M.A. Lond., Ph.D. Heidel. Lectr.
Oschinsky, Dorothea, Ph.D. Lond., Dr. Phil. Bres. (Palæog.) Lectr.

Special Lecturers

France, R. S., M.A., F.R.Hist.S., F.S.A. (Theory and Practice of Archive Admin.).
Vaines, J. Crossley, LL.M.

*History, Modern*

Thomson, M. A., M.A., D.Phil. Oxon. A. Geddes & J. Rankin Prof.
Routledge, F. J., M.B.E., T.D., B.Litt. Oxon., M.A., F.R.Hist.S. Reader.

Lecturers

Collins, Mrs. Irene, M.A., B.Litt. Oxon.
Rowe, W. J., M.A., D.Phil. Oxon.
Ryan, A. N., M.A.

*Italian*

Faithfull, R. G., B.A. Lond., Ph.D. Lectr.
Dawson, E., B.A. Asst. Lectr.
Calma, Anna, Litt.D. Turin Tutor.

*Law*, v. also Civ. Design and Engin.

Turner, J., LL.M. Q. Vict. Prof., Dean of Fac.
Davies, D. R. Seaborne, M.A. Camb., LL.B. Wales (Common L.) Prof.
Geddes, W., M.A., LL.M. (Constnl. and Roman L., Priv. Int. L. and Jurisp.) Warr Mem. Lectr.
Farran, C. d'O., M.A., B.C.L. Oxon., LL.B. Dub., Ph.D. Sheff. Lectr.
Vaines, J. Crossley, LL.M. Lectr.
Newton, J. D., LL.B. Lond. Lectr.
Taylor, A. J. E., LL.M. (Local Govt. L.) Sp. Lectr.
McNeill, D. B., B.C.L., M.A. Oxon. Asst. Lectr.
Ashton, E. L., B.A. Sp. Lectr.
Unsworth, M.A., LL.B. (Articled Clerks' Classes) Sp. Lectr.

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*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, Ph.D.
Jones, C. W., Ph.D. Camb., M.Sc.
Plackett, R. L., M.A. Camb. (Statistics).
Young, A., B.Sc. St. And., F.R.A.S.
Sowerby, L., B.A. Camb.
Bonnor, W. B., B.Sc., Ph.D.
Jackson, T. A. S., M.A., Ph.D. Camb.
Jacobs, Juliane, B.Sc., Ph.D.

Assistant Lecturers

Baldock, G. R., B.Sc. Lond.
Watson, E. J., M.A. Camb.
Downton, H. F., B.Sc. Lond. (Math. Stats.).
Doodson, A. T., D.Sc., F.R.S. (Analysis of Observations) Hon. Lectr.
Murphy, T., B.Sc. (Numerical Anal.) Res. Asst.

*Mathematics, Pure*

Walker, A. G., M.A. Oxon., Ph.D., D.Sc. Edin., F.R.A.S. Prof.
Bradley, F. W., Ph.D. Camb., M.Sc. Sr. Lectr.
Maitland, Barbara J., M.A., Ph.D. Camb. Lectr.
Flett, T. M., M.Sc. Lond., Ph.D. Camb. Lectr.
Newns, W. F., B.Sc., Ph.D. Lectr.
Shutrick, H. B., B.Sc. Res. Asst.

*Medicine*, v. *infra*

*Music*

Abraham, G. E. H., M.A., F.T.C.L. James and Constance Alsop Prof.

*Oceanography*

Proudman, J., C.B.E., M.A. Camb., D.Sc., F.R.S. Prof.
Riley, J. P., Ph.D., B.Sc. Lectr.
Fairbairn, L. A., B.Sc. Lectr.

*Parasitology*, v. Trop. Entomology

*Philology, Comparative*, v. German

*Philosophy*

Dorward, A. J., M.A. Edin. and Camb. Prof.
Clark, Pamela M., M.A. Oxon. Lectr.

*Physics*

Skinner, H. W. B., M.A., Ph.D., F.R.S. Lyon Jones Prof.
Fröhlich, H., Dr.Phil. Munich, F.R.S. (Theor. Phys.) Prof.
Roberts, R. W., D.Sc. Reader.
Le Couteur, K. J., M.A., Ph.D. Camb. (Theor. Phys.) Sr. Lectr.
Holt, J. R., B.Sc., Ph.D. Sr. Lectr.

Lecturers

Ablett, R., M.Sc., F.I.P.
Ashmore, A., B.Sc. Lond.
Cassels, J. M., M.A., Ph.D. Camb.
Edwards, E., M.A. Tor., B.Sc. Wales (also Educn.).
Green, L. L., M.A., Ph.D. Camb.
Evans, W. H., B.Sc., Ph.D. Wales.
Jacob, L., M.Sc., Ph.D., H.Dip.Ed. N.U.I., F.I.P.
Martin, D. G. E., B.Sc.
Parry, G., B.Sc. Lond.
Moore, M. J.
Parbrook, H. D., B.Sc., Ph.D. Durh. (Acoustics).
Huby, R., M.A. Camb., Ph.D. Brist. (Theor. Phys.).
Merrison, A. W., B.Sc. Lond.
Szigeti, B., Ph.D. Zur. (Theor. Phys.).
Willmott, J. C., Ph.D., B.Sc. Lond.
Collinge, B., B.Sc., Ph.D.
Crewe, A. V., B.Sc., Ph.D.
Chalmers, T. A., B.Sc., Ph.D. Lond. (Med. Radiol.) Sp. Lectr.
Allen, K. W., B.Sc. Lond., Ph.D. Camb. Lectr. and Leverhulme Fellow.

*Physiology and Histology*

Gregory, R. A., D.Sc., Ph.D. George Holt Prof.
Hancox, N. M., M.D. (Histol.) Reader.
Brunton, C. E., M.A., Sc.D., M.D. Dub. (Physiol.) Sr. Lectr.
Calma, I., M.D. Milan (Exp. Phys.) Sr. Lectr.

Lecturers

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. (App. Physiol.).
Calma, I., M.D. Milan (Physiol.).
Kruszynski, J., M.D. Wilno (Histol.).

Assistant Lecturer

Howell, F. R., M.B., Ch.B.

*Psychology*

Hearnshaw, L. S., M.A. Oxon., B.A. Lond. Prof.

Lecturers

Crawford, Agnes, B.A., Ph.D. Lond.

Vidor, Martha, Ph.D. (Child Psychol.).

Leveson, I., M.D., D.P.M. (Abnormal Psychol.).

Bromley, D. B., B.A. Manc.

Leytham, G. W. H., M.A. Calif. Asst. Lectr.

*Russian*

Christian, R. F., M.A. Oxon. Lectr. in charge.

Zekulin, G. Tutor.

*Social Science*

Simey, T. S., M.A. Oxon. Charles Booth Prof.

Chapman, D., B.Sc. (Econ.) Lond., Ph.D. Sr. Lectr.

Kerr, Madeline, M.A. Manc., Ph.D. Lond. Lectr.

Castle, Irene M., M.A. (Care of Children & Young Persons) Lectr.

Silcock, H., M.A., D.P.A. (Soc. Statistics) Lectr.

Hall, Mary P., B.A. Lectr.

Wilson, N., M.A., D.P.A. (Pub. Admin.) Leverhulme Lectr.

Verney, D. V., M.A. Oxon. Lectr.

Vereker, C. H., M.A., D.Phil. Oxon. Lectr.

Deed, Dorothy M., M.A. (Soc. Admin.) Lectr.

Please, S., M.Sc. (Econ.) Lond. (Pub. Admin.) Sp. Lectr.

Read, Doris B. Tutor.

Scott, W. H., B.A., Ph.D. (Pub. Admin.) Tutor.

Robertson, W., M.A. St. And. (Pub. Admin.) Sp. Lectr.

Osborn, W. T., M.A. Camb., B.Sc. (Econ.) Lond. (Pub. Admin.) Tutor.

Mays, J. B., M.A. Tutor.

Clayton, G., M.A. Camb. (Pub. Admin.) Sp. Lectr.

Senior Research Workers

Lupton, T., B.A. Oxon.

Scott, W. H., B.A., Ph.D.

Research Workers

Gittus, Elizabeth.

Pearson, Mrs. A. Margaret, M.A.

*Spanish*, v. Hispanic Studies

*Tropical Entomology and Parasitology*

Gordon, R. M., O.B.E., M.D., Sc.D., D.P.H. Dub., D.T.M., F.R.C.P. Dutton and Walter Myers Prof.

Kershaw, W. E., M.B., Ch.B. Manc., D.T.M. & H. (Med. Parasitol.) Lectr.

*Veterinary Science*

Wright, J. G., D.Sc. Brist., M.V.Sc., F.R.C.V.S. (Vet. Surg.) Prof., Dean of Fac.

Glover, R. E., M.A., F.R.C.V.S. (Vet. Path.) Prof.

White, E. G., B.Sc., Ph.D. Lond., F.R.C.V.S. (Vet. Prev. Med.) William Prescott Prof.

Davies, G. O., D.V.Sc., D.V.H. (Vet. Path.) Reader.

Senior Lecturers

Hughes, H. V., B.V.Sc., D.V.H. (Vet. Anat.).

Isherwood, R., M.V.Sc. (Vet. Med.).

Shuttleworth, A. C., M.V.Sc., F.R.C.V.S. (Vet. Surg.).

King, J. O. L., B.Sc. (Agric.) R'dg., M.V.Sc. (Animal Husbandry).

Lecturers

Castle, M. E., B.Sc. Leeds, Ph.D. R'dg. (Animal Husbandry).

Dransfield, J. W., M.V.Sc. (Vet. Anat.).

Griffiths, R. B., B.V.Sc. (Vet. Parasit.).

Elam, C. W., D.V.H. (Animal Management).

Pinsent, P. J. N., B.V.Sc. (Vet. Med. (Farm Animals)).

Maneely, R. B. (Vet. Histol.).

Singleton, A. G., B.V.Sc. (Vet. Phys.).
Harding, H. P. (Vet. Path.).
Buxton, A., Ph.D. Camb. (Vet. Bacteriol.).
Olivant, J. M., D.V.S.M. Edin. (Appl. Vet. Path.).
Wickham, Nancy, B.V.Sc. Syd. (Vet. Path.).
Owen, L. N., B.V.Sc. (Vet. Pharmacol.).
Jordan, F. T. W., B.Sc. (Vet. Sci.) Lond. (Vet. Prev. Med.).
Ward, Gwendolen H. (Small Animal Med. and Surg.) Demr.

*Zoology*, v. also Entom., Ocean.

Pumphrey, R. J., M.A., Ph.D., Sc.D. Camb., F.R.S. Derby Prof.
Burfield, S. T., M.A. Camb., D.Sc., F.L.S. Sr. Lectr.

Lecturers

Bisbee, Ruth C., M.Sc., F.L.S.
Fordham, Miss Mahalah G. C., M.Sc. W.Aust.
Jones, J. W., D.Sc., Ph.D., F.L.S.
Hynes, H. B. N., B.Sc., Ph.D. Lond., F.R.E.S. (Freshwater Zool.).
Smith, C. L., B.Sc., Ph.D. (Experimental Zool.).
Jones, I. C., B.Sc., Ph.D.

## Dentistry

*D. Anæsthetics*

Halton, J., M.B., Ch.B., D.A., F.F.A.R.C.S. Lectr.

*D. Prosthet. and Mech.*

Lammie, G. A., Ph.D. Birm., B.Sc. Edin. Sr. Lectr., Supervisor.

*D. Surg., D. Path., D. Bact.*

Stones, H. H., M.D., M.D.S. Manc., F.D.S.R.C.S. (D. Surg.) Cohen Prof., Dir. of D. Educn.
Slack, G. L., O.B.E., D.D.S. Chic., Dipl. Bact., F.D.S.R.C.S. (Prev. D.) Sr. Lectr.
Hartles, R. L., B.Sc., Ph.D. (Biochem.) Sr. Lectr.
Farmer, E. D., B.A. Camb., M.D.S., F.D.S.R.C.S. Lectr.

*D. Surgery, Clinical*

Lecturers

Griffith, G. W., F.D.S.R.C.S.
Neubert, E. W., L.D.S.
MacPhee, G. G., M.A., M.D. Glas., F.D.S.R.C.S.
Lyall, G. L., L.D.S.
Fairhurst, R., B.D.S., M.B., Ch.B., F.D.S.R.C.S.

Assistant Lecturers

Blamire, A., L.D.S.
Drake, A. F., B.D.S. Also Hon. Curator of Museum.
Harrison, F. E., L.D.S.

*D. Surgery, Operative*

Lawton, F. E., B.D.S., F.D.S.R.C.S. Sr. Lectr.

Lecturers

Mumford, J. M., F.D.S.R.C.S.
Collinge, J. S. H., F.D.S.R.C.S.
Pearson, S. L., B.D.S. Asst. Lectr.

*D. Venereology*

Ross, A. O. F., M.D. Edin., D.P.H. Lectr.

*Odontology*

Guyler, T. W. C., B.D.S. Lectr.

*Orthodontics*

Softley, J.W., B.D.S., F.D.S.R.C.S. Lectr. and Clin. Instr.
Burston, W. R., L.D.S. Lectr.
Knowles, C. C., B.D.S. Lectr.

*Radiology*

Rubin, E. L., M.D., D.M.R.E., F.F.R. Lectr.

## Engineering

*Civil Engineering*

Owen, J. B. B., D.Sc. J. W. Hughes Prof., Dean of Fac.

Lecturers
Hitchens, A. P., B.Eng.
Nesbitt, H. G., M.Eng.
Waters, H., M.Eng.
Reed, C. D., M.Eng.
Proudlove, J. A., M.Eng.
Bolton, A., M.Sc. (Tech.) Manc.

*Electrical Engineering*
Meek, J. M., D.Eng., F.I.P. (Elect. Power E.) D. Jardine Prof.
Craggs, J. D., M.Sc., Ph.D. Lond., F.I.P. Reader.

Lecturers
Durnford, J., B.Sc. (Eng.).
Cooper, R., M.Sc., Ph.D.
Edels, H., B.Sc. (Tech.) Manc., Ph.D.
Jones, C. V., B.Sc. Lond., M.Eng.
Lynn, J. W., M.Sc.
Leck, J. H., M.Eng.
Gambling, W. A., B.Sc. Brist.

Assistant Lecturer
Aldred, A. S., M.Sc. Leeds.

*Engineering, Contracts and Specifications*
Gordon, C. G. S., T.D., LL.B., J.P. Lectr.

*Fluid Mechanics*
Kearton, W. J., D.Eng. (Prof. of Mech. Engin.) Actg. Hd.
Norbury, J. F., M.Eng. Lectr.

*Mechanical Engineering*
Kearton, W. J., D.Eng. Harrison Prof.

Lecturers
Cole, E. B., M.Sc. Brist.
Smith, G., B.Sc. (Eng.) Manc.
Calvert, N. G., B.Eng., Ph.D.
Halling, J., B.Sc. (Eng.) Lond.
Smith, R. Munro (Naval Arch.).

Assistant Lecturer
Barrow, H., M.Eng.

*Metallurgy*
Rollason, E. C., M.Sc., Ph.D. Birm., F.I.M. H. B. Wortley Prof.

Lecturers
Kennett, S. J., B.Sc., Ph.D., D.I.C., F.I.M.
Owen, W. S., M.Eng., Ph.D.
Pardoe, J. A., M.Eng. (Fabrication Processes).
Bodsworth, C., M.Met. Sheff.

**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. Hon. Lectr.
Dundee, J. W., M.D., B.Ch., B.A.O. Belf., D.A. Lectr.
Hughes, G., M.B., Ch.B., D.A. Demr.

*Bacteriology*
Downie, A. W., M.D., D.Sc. Prof.
Robinson, D. T., M.Sc. Manc., Dipl. Bact. Manc. Assoc. Prof.
Macdonald, A., M.A., M.D. Aberd. Reader.
McCarthy, K., M.D. Lectr.
Dumbell, K. R., M.D. Lectr.

*Child Health*
Capon, N. B., M.D., F.R.C.P. Prof.
Todd, R. M., M.A., M.D. Camb., D.C.H. Sr. Lectr.
Brookfield, R. W., Ph.D., M.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., D.C.H.
Forshall, Isabella, M.B., B.S. Lond., F.R.C.S.Ed.
Hay, J. D., M.A. Camb., M.D., D.C.H.
Hudson, F. P., D.C.H.
Bell, Ruby E., M.B., Ch.B., D.P.H. (Clin. Prev. P.) Lectr.

*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., D.C.H. Lectr.

*Diseases, Venereal*

Ross, A. O. F., M.D. Edin., D.P.H. Lectr.

*Forensic Medicine and Toxicology*

St. Hill, C. A., M.B., Ch.B. Brist. Lectr. in charge.

*Materia Med., Pharmacy, Pharmacol. and Genl. Therap.*

Wilson, A., M.D., Ph.D., F.R.F.P.S. Glas. (Pharmacol.) 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.
Wilson, H., M.B., Ch.B. (Pharmacol.) Asst. Lectr.

*Maxillo-Facial Surgery*

3 Hon. Lectrs., 1 Hon. Asst. Lectr.

*Medicine*

Cohen, Sir Henry, D.Sc. N.U.I., M.D., LL.D., F.R.C.P., F.F.R. Prof.
Chamberlain, E. N., M.Sc., M.D., F.R.C.P. Sr. Lectr. (Med.), Lectr. (Clin. Med.) and Lectr. in Med. for Dent. Students.
Cadman, E. F. B., M.D. Wash., D.C.H. Lectr.
Thomas, O. F., D.P.H. (Clin. Tuberculosis) Lectr.
Baker-Bates, E. T., M.D. Lectr. in Med. and Asst. Lectr. in Clin. Med.
Jones, E. W., M.D., D.P.H., F.R.C.P. (also Clin. Med.) Lectr. in Clin. Med. to Dental Students.
Sanderson, G., M.D. Lectr. in Med. and Asst. Lectr. in Clin. Med.

Lectrs. in Clinical Medicine

Ellis, G. R., M.A., M.D. Camb., F.R.C.P.
Coope, R., B.Sc., M.D., F.R.C.P.
Brookfield, R. W., Ph.D., M.D., D.P.H., F.R.C.P.
Pemberton, H. S., M.B., Ch.B., F.R.C.P.
Clarke, C. A., M.A., M.D. Camb., F.R.C.P.

Asst. Lectrs. in Clin. Med.

Evans, R. M., M.A., M.B., B.Ch. Camb.
Hughes, R. R., M.D.
Jones, A. T., M.D., D.P.H.
Sutton, W. S., M.B., Ch.B.

*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. Sr. Lectr.

Gemmell, A. A., M.C., T.D., M.A., M.D. Camb., F.R.C.S.Ed., F.R.C.O.G. Lectr. and Clin. Lectr.

Clinical Lecturers

Hamilton, C. J. K., M.A., M.B., B.Chir. Camb., F.R.C.S.Ed., F.R.C.O.G.
Malpas, P., Ch.M., F.R.C.S., F.R.C.O.G.
Datnow, M. M., M.D., F.R.C.S.Ed., F.R.C.O.G.
Herd, S. B., M.D., F.R.C.O.G.
Walsh, C. H., M.B., Ch.B., D.P.H., F.R.C.O.G.
Marshall, C. M., M.B., Ch.B. N.Z., F.R.C.S.

Assistant Clinical Lecturers

Mayeur, Mary H., M.D. Lond., F.R.C.S.
Barr, S. J., M.B., Ch.B., B.A.O. Belf. (Obstet.).
Prysor-Jones, D., M.B., Ch.B. (Obstet.).
Wilson, J. K., M.B., Ch.B. (Obstet.) Tutor.
Menzies, D. N., M.B., Ch.B. (Obstet.) Tutor.
Roberts, H., M.D. (Gynæcol.) Tutor.

*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. and Jt. Dir., Dept. of Clin. P.
Downie, Prof. A. W., M.D., D.Sc. Jt. Dir., Dept. of Clin. P.
Cruickshank, A. H., M.D. Aberd., Ph.D. Sr. Lectr.

Lecturers

Davis, J. C., M.D.
Lynch, J. B., M.B., Ch.B., F.R.C.S.
Strawbridge, H. T. G., M.B., Ch.B. Edin.
Watt, J., M.B., Ch.B. Aberd.

Clinical Pathologists

Black, T., M.B., Ch.B. Edin.
Evans, R. W., T.D., B.Sc.
Hall, E. G., B.Sc., M.B., Ch.B. Manc.
Rewell, R. E., M.D.
St. Hill, C. A., M.B., Ch.B. Brist.
Stanley, D. A., B.Sc., M.D. Lond., F.R.I.C.
Whitwell, F., M.D. Lond.

*Pharmacology and Genl. Therap.*, v. Mat. Med., etc.

*Psychological Medicine*

Hall, S. B., M.D., D.P.M. Dir.
Hopkins, F., M.D. Belf. Sr. Lectr.
Zausmer, D. M., M.B., B.S., B.Sc., D.P.M. Lond. Res. Asst.

*Public Health*

Semple, A. B., M.D., D.P.H. Glas. Prof.
Thomas, O. F., D.P.H. (Tuberculosis) Hon. Lectr.

*Radio-diagnosis*

Whitaker, P. H., M.D., D.M.R.E. Lectr.

Hon. Asst. Lectrs.

Ross, J. A., M.A. Camb., D.M.R.E.
Rubin, E. L., M.D., D.M.R.E., F.F.R.
Scarrow, G. D., M.D., M.Rad.
Walker, Norah M., M.B., Ch.B. Manc., D.M.R.E.

*Radiotherapy*

Fulton, J. S., C.B.E., M.D. Edin., F.R.C.P.Ed., F.F.R. Lectr.

Hon. Asst. Lectrs.

Fraser, D. M., C.I.E., M.B., Ch.B. Glas., D.M.R.E. Camb.
Stewart, M. A., M.B., Ch.B. N.Z., D.M.R. Lond.
Cowell, Mary A. C., M.D., D.M.R. Manc.
Milln, Marjorie S., M.D. St. And., D.M.R.T. Lond.

*Surgery*

Wells, C. A., M.B., Ch.B., F.R.C.S. Prof.

McFarland, B. L., M.D., M.Ch. Orth., F.R.C.S.Ed. (Orthop. S.)
Prof. and Dir., Orthop. Studies.

Annis, D., M.B., Ch.M., F.R.C.S. Lectr.

Schofield, T. L., M.B., Ch.B., F.R.C.S. Lectr. and 2nd Asst.

Kerr, A. S., M.B., Ch.B., F.R.C.S. Lectr.

Oldham, J. B., M.B., Ch.B., F.R.C.S.
Lectr. & Clin. S. Lectr.

Ross, J. Cosbie, Ch.M., F.R.C.S.
Lectr. & Clin. S. Lectr.

Reid, H., M.B., Ch.B., F.R.C.S.
Lectr. in Clin. S. and Lectr. in S. to Dental Students.

Lehane, D., M.B., B.Ch., B.A.O. N.U.I. (Hæmatol.)
Hon. Lectr.

Edwards, F. R., M.D., Ch.M., F.R.C.S. (Thoracic S.)
Lectr. and Hon. Asst. Clin. Lectr.

Hughes, J. Howell, M.D., Ch.M., F.R.C.S. (Clin. S.)
Lectr. and Asst. Lectr.

Davies, H. Morriston, M.A., M.D., M.Ch. Camb., Ch.M., F.R.C.S. (Clin. Thor. S.) Hon. Lectr.

Doyle, R. W., M.B., Ch.B., F.R.C.S. (Clin. S.)
Asst. Lectr.

Dwyer, F. C., M.B., Ch.B. Cape T., M.Ch. Orth., F.R.C.S. (Clin. Orth. S.) Lectr.

Hunter, W. R., Ch.M., F.R.C.S. (Clin. S.) Asst. Lectr.

Roaf, R., M.A., B.M., B.Ch. Oxon., M.Ch. Orth., F.R.C.S.
Lectr. (Pre-Clin. S.) and Lectr. and Asst. Clin. Lectr. (Orthop. S.).

Wardle, E. N., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Orthop. S.)
Lectr. and Clin. Lectr.

Kennon, R., M.C., M.D., F.R.C.S. (Clin. S.) Lectr.

Roberts, N. W., M.B., B.S. Lond., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Orthop. S.)
Lectr. and Clin. Lectr.

Hawe, P. R., Ch.M., F.R.C.S. (Clin. S.) Lectr.

Unsworth, S. V., M.B., Ch.B., F.R.C.S., F.R.C.S.Ed. (Clin. S.) Lectr.

Beattie, W. M., M.A., M.Chir. Camb., F.R.C.S. (Clin. S.)
Asst. Lectr.

Thomas, G. E., M.B., B.S. Lond., M.B., Ch.B., M.Ch. Orth., F.R.C.S.Ed.
Lectr. (Pre-Clin. S.) and Lectr. and Asst. Clin. Lectr. (Orthop. S.).

Osborne, G. V., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Orthop. S.)
Lectr. and Asst. Clin. Lectr.

Bennett-Jones, M. J., Ch.M., F.R.C.S. (Clin. S.) Asst. Lectr.

Brewer, A. C., M.B., Ch.B., F.R.C.S. (Clin. S. to Dental Students)
Asst. Clin. Lectr. and Lectr.

Evans, F. I., M.C., M.B.E., M.A., M.B., B.Chir. Camb., F.R.C.S. (Clin. S.) Asst. Lectr.

Moroney, P. B., M.B., Ch.B., M.Ch. Orth., F.R.C.S. (Clin. Orthop. S.) Asst. Lectr.

Silverstone, M., Ch.M., F.R.C.S.
Asst. Lectr. (Clin. S.).

O'Malley, A. G., M.B., Ch.B. (Orthop.) Asst. Lectr.

Macphee, I. W., M.D. Glas., F.R.C.S., F.R.C.S.Ed.
Lectr.
Hughes, J. R., M.D., M.Ch. Orth., F.R.C.S.E. (Orthop. 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.P.H., D.T.M. & H.
Sr. Lectr.

*Tropical Medicine*

Maegraith, B. G., M.B., B.S. Adel., B.Sc., D.Phil., M.A. Oxon.
Alfred Jones and Warrington Yorke Prof.
Adams, A. R. D., M.D., D.T.M., F.R.C.P. Sr. Lectr.
Andrews, W. H. H., M.A., D.M. Oxon., D.T.M. & H. Lectr.

**William Mitchell Banks Memorial Lecturer**
(Surgery—every 2nd yr.)
1953—Professor R. Nissen.

**Forwood Lecturer** (Philosophy and History of Religion)
1953—Rev. C. E. Raven, D.D., F.B.A.

**Lady Jones Lecturer** (Orthopædic Surg.—every 2nd yr.)
1953—Prof. W. E. Le Gros Clark, M.A. Oxon., D.Sc. Lond., F.R.C.S., F.R.S.

**Sydney Jones Lecturer** (Art)
1953–54—Dr. Françoise Henry.

**Sherrington Lecturer** (Physiology—every 2nd yr.)
.....

**Shute Lecturer (Art of the Theatre)**
1953–54—A. Van Gyseghem.

**James Arthur Smith Lecturer**
(Cancer—every 3rd yr.)
1953—Prof. A. Haddow, M.D., D.Sc., Ph.D.

**Marine Biological Station, Port Erin**

Colman, J. S., M.A. Oxon. Dir.

Lecturers

Bruce, J. R., M.Sc.
Lectr. and Dep. Dir.
Jones, N. S., M.Sc., Ph.D.
Williamson, D. I., B.Sc., Ph.D.
Durh. (Mar. Zool.).
Lodge, Sheila M., B.Sc., Ph.D. (Mar. Algol.).
Bowers, A. B., B.Sc. (Fisheries).
Slinn, D. J., B.Sc. Belf.
Hydrographical Chemist.

**Extra-Mural Studies**

Kelly, T., M.A. Manc. Dir.
Jones, H. A., M.A. Manc.
Asst. Dir.
Burr, J., M.A. Asst. Dir.

Staff Tutors

Husain, B. M. C., M.A., B.Com. (Geog.).
Quinn, G. P., B.A. Camb. (Econ.).
Wright, R. R., M.A. Durh. and Camb. (Engl. Lit.).
Jones, A., B.A. (Staff Tutor and Librarian).
Bagley, J. J., M.A. (Hist.).
Barford, P. T., B.Mus., M.A. Leeds (Music).
Bonnor, Jean, B.A. (Soc. Sci.).
Williams, J. G., B.A. Wales (Hist.)
Jr. Staff Tutor.

Jt. Secs. to the Jt. Cttee. on Tutorial Classes

Garstang, F., M.A.
Kelly, T., M.A. Manc.

## ADMINISTRATIVE AND OTHER STAFF

Lectrs. in Phys. Educn.: R. E. Dunn, B.Sc. Lond.; Annie Peock. Wardens of Halls of Residence: Prof. D. R. Seaborne Davies, M.A. Camb., LL.B. Wales (Derby Hall); Margery Knight, D.Sc., F.L.S. (University Hall); Elizabeth M. Leese, B.A. Brist. (Rankin Hall). Asst. Sec. Appts. Bd.: H. B. Putt, B.A. Brist. Sec. University Press: R. A. Downie. Chief Clerk of the Academic Dept.: W. H. Wilson. Chief Clerk of Administrative Dept.: E. McKie. Clerk of the Fabric: A. T. Westrope. Asst. Finance Officer: W. Glynn Williams. Sec. to Vice-Chancellor: Beatrice F. Kay. Sec. to Registrar: Mrs. Marion Campbell.

## ASSOCIATED AND AFFILIATED INSTITUTIONS

LIVERPOOL OBSERVATORY AND TIDAL INSTITUTE, Dock Office, Liverpool, 3. (*Telephone*: Central 6010, Extn. 201.) Observatory est. 1845, Tidal Inst., 1919. Administered by Jt. Cttee. representing Univ. Council and Mersey Docks and Harbour Bd. Dir.—A. T. Doodson, D.Sc., F.R.S.

ST. AIDAN'S COLLEGE, Howbeck Rd., Birkenhead. (*Telephone*: Birkenhead 1247.) Principal—Rev. W. M. F. Scott, M.A. Oxon. Certain courses (not given in the Univ.) are recognized as Univ. courses in part for ord. degree of B.A. Recognized Teacher in *Eccl. Hist.*—Rev. M. M. Hennell, M.A.

EDGE HILL TRAINING COLLEGE, St. Helens Rd., Ormskirk. (*Telephone*: Ormskirk 844.) Principal—Margaret I. Bain, M.A. Aberd., D. de l'U. Paris.

TRAINING COLLEGE OF NOTRE DAME, Mount Pleasant, Liverpool, 3. (*Telephone*: Royal 2008.) Principal—Ann Rawcliffe, M.Sc.

CHESTER DIOCESAN TRAINING COLLEGE. (*Telephone*: Chester 207.) Principal—Rev. A. J. Price, M.A. Recognized Teachers—E. Pickup, B.A. (in *French*); J. L. Bradbury, M.A. (in *Engl.*); J. S. Stephens, B.A. (in *Geog.*); F. W. Hooper, B.Sc. (in *Chem. and Physics*); W. E. Lewis, M.A. (in *Maths.*).

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool, 3. (*Telegrams and Cables*: Malaria, Liverpool. *Telephone*: Royal 7611.) Ward for Tropical Diseases at Royal Infirmary, Liverpool. Res. lab. at Sierra Leone (closed during the war and not yet reopened). For training in the conduct of original res. and organization of prophylactic measures. Has sent numerous expeditions to tropical countries. Publishes *Annals*. For staff, v. *supra*—Trop. Med., Trop. Hygiene, Parasit., Entom. D.T.M. & H., 3 mos.' course.

PATHOLOGICAL LABORATORY, Rainhill Hospital. (*Telephone*: Rainhill 33.)

FACULTY OF MEDICINE. 25 general and special hospls. are affiliated for the purpose of clin. or practical work required for degrees and dipls. in the Fac. of Med.

## 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. Contains over 300,000 vols. The most important collections received by gift or bequest are those of Thomas Glazebrook Rylands (1900), rich in early geog., astron., maths. and British local hist.; of William Noble (1912), containing most of the finely printed books published in England since about

1880; and of R. A. Scott Macfie (1935), entirely devoted to the Gypsies. The Library possesses a small but fairly representative collection of mediæval MSS., including an important text of *Piers Plowman*, and about 250 incunabula. Special bibliographies have been issued. In addition, 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 Inst., Anat., Archæol., Archit., Bact., Biochem., Bot., Chem., Physical and Electro-Chem., Elect. Engin., Embryol. and Genetics, Engin., Geol., Public Health, Child Health, Laryngol., Materia Medica, Med., Trop. Med. (including museum, animal houses, and specially warmed glass insectarium, and res. labs. at Liverpool and Sierra Leone), Chemotherapy, Obstet. and Gynæcol., Oceanog., Ophthalmol., Pathol., Physics, Nuclear Physics, Physiol. and Histol., Radio-diagnosis, Radiotherapy, Surg. Pathol., Tidal Res., Toxicol., Vet. Anat. and 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 res. at prescribed fees.

FACULTIES AND DEANS. *Arts*, Prof. W. Smith (Geog.); *Engineering*, Prof. J. B. B. Owen (Civil E.); *Law*, Prof. J. Turner; *Medicine*, J. M. Leggate; *Science*, Dr. R. O. Griffith (Phys. Chem.); *Veterinary Science*, Prof. J. G. Wright (Vet. Surg.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. B.A., B.Com., B.Sc., LL.B., 3 yrs.; B.Eng., 3 or 4 yrs.; B.Arch., B.V.Sc., 5 yrs.; M.B., Ch.B., not less than 6 yrs., subsequent to admission to Fac. of Med.; B.D.S. not less than 5 yrs. and two terms.

The degree of B.A. is conferred either as a degree in General Studies or as a degree in Special Studies in one of the Schools of the Fac. Hons. may be awarded in both General and Special Studies.

There are alternative curricula for the degree of B.Com. Alternative A is for the ordinary student in Commerce, Alternative B is for those who wish to enter the accountancy profession.

The LL.B. courses prepare for the Bar and solicitors' examns. as well as for the Degree.

HIGHER DEGREES. Ph.D., v. p. 24. Fac. of Arts: Litt.D.—On published contributions to learning, after report, upon M.A.s after 7 yrs. from date of admission to degree of B.A. M.A.—2 yrs.' directed study after Hons. B.A., and dissertation with or without examn., or report on 2 yrs.' res. work. 2 yrs.' directed study after Ord. B.A., B.Com., or B.Arch. (Ord. or Hons.) and dissertation with or without examn. Other grads. or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 sessions. M.C.D.—Study for at least 1 further session after B.Arch., otherwise a 2-yr. course. M.Arch.—On architectural work of a distinguished character, after report; 10 yrs. from taking B.Arch. M.Com.—2 yrs.' directed study after B.Com. or B.Com.Sc., by presenting dissertation with or without examn. Other grads. eligible, under certain conditions, after 2 yrs.' higher study. Fac. of Law: LL.D.—On published contributions to learning, after report, after 5 yrs. from taking LL.M. LL.M.—2 yrs.' directed study after Hons. LL.B. Holders of Ord. LL.B. take examn. or present a dissertation with or without examn. and 2 yrs.' directed study after

LL.B. Other grads. or candidates who have passed a final degree examn. eligible under certain conditions after 2 yrs.' higher study. Other approved candidates, 3 yrs. Fac. of Science : D.Sc.—On published contributions to Sci., after report ; candidates to be grads. of Liv. of not less than 6 yrs.' standing. M.Sc.—Hons. B.Sc., 3 complete terms' higher study or res. ; other grads., a prescribed preparatory course and passing an examn. Subsequently, 3 terms' higher study or res. Other persons may, in special circumstances, be accepted under certain conditions. Fac. of Medicine : M.D.—(*a*) 2 yrs. after M.B., Ch.B., thesis with, if candidate desires, copies of published original papers upon Med. Sci. Oral examn. on subject of thesis. (*b*) 5 yrs. after M.B., Ch.B., examn. in Med. and in a selected branch of Med. Ch.M.—2 sessions after M.B., Ch.B. of Liv. or other approved Univ., by examn. The Ch.M. is open to grads., other than Med., of this or approved Univs., who hold a Med. qualification registrable in Gt. Britain. M.Ch.Orth.—15 mos. after M.B., Ch.B. of Liv. or other approved Univ., by examn. The M.Ch.Orth. is open to grads., other than Med., of this or approved Univs. who are F.R.C.S. (Eng., Ed., I., Aust. or Can.) or Fellows of the American Coll. of Surg. or Fellows qua Surgeons of the Royal Faculty of Physicians and Surgeons, Glasgow. M.Rad. (in either of two branches, viz. : Radio-diagnosis or Radiotherapy). The M.Rad. is open to holders of the Dipl. in Radiol. of this Univ. of 2 yrs.' standing who have not failed more than once for Dipl. in Radiol. Thesis required. M.D.S.—2 yrs.' standing from taking B.D.S., 3 yrs.' standing (with 1 yr.'s higher study or research) from equivalent to B.D.S. All candidates present thesis with, if desired, copies of published work relative to Dent. Sci. and take special examn. D.V.Sc.—On published contributions to Vet. Sci., after report, after 3 yrs. from taking M.V.Sc. M.V.Sc.—2 sessions of higher study after B.V.Sc. (or equivalent), by thesis or report and possibly by examn. Fac. of Engineering : D.Eng.—On published contributions to Engin., after report on Masters of Engin. or Ph.D.s (Fac. of Engin.), after 5 yrs. from taking such degree. M.Eng.—2 yrs.' practice after Hons. B.Eng. ; 2 yrs.' practice and either (*a*) one of such years in higher study and report, or (*b*) on presenting dissertation, after ordinary B.Eng. Other grads. 2 yrs.' higher study with examn. and thesis. Other approved candidates 3 yrs. with examn. and thesis.

DIPLOMAS. Archæol., open to grads. of Liv. or other approved Univ., 2 sessions and examn. ; Civic Design, 2 yrs.' prescribed study and examn. ; only suitably qualified admitted ; Educn., 1 yr. for grads. or candidates who have passed final degree examn. ; Public Admin., 3 yrs., 2 yrs. or 1 yr. according to qualficns. of candidates ; Social Admin., not less than 12 mos. ; Study of Records and Admin. of Archives, 1 yr. for full-time students, 2 yrs. for others ; Industrial Sociol., 2 yrs. or 1 yr., according to qualificns. of candidates ; Applied Psychol., 2 yrs. or 1 yr., according to qualificns. of candidates ; Engin., 2 yrs.' practice of Engin. after final examn. for Certif. (including 1 yr.'s approved study or dissertation)—candidates who passed in 8 papers in final Certif. examn., 2 yrs.' practice ; L.D.S., not less than 4 yrs. and 2 terms. Postgrad. med. dipls. : D.P.H., 1 yr. ; D.M.R. (D. or T.), 2 yrs. ; D.T.M. & H., 6 mos.

CERTIFICATES. Archæol., 1 yr. ; separate Arts subjects, 2 yrs. ; Social Sci., 1 or 2 yrs. ; Educn., 1 yr. for grads. and others suitably qualified ; Public Health, 1 term ; Engin., 4 yrs. (3 yrs. for approved candidates) ; Univ. Extension courses, 1 yr.

FEES. Guild of Undergrads., £5 : 5s. p.a. DEGREE COURSES : B.A. or B.Com. (3 yrs.), £90 (B.A. Special Studies, 4th yr., £10) ; M.A. or M.Com. (sessional), £7 : 7s. ; B.Arch. (5 yrs.), £195 ; M.C.D., £25 per session ; B.Sc. (3 yrs.), £120 (B.Sc. Hons., 4th yr., £30 or £40) ; M.Sc. (sessional), Maths.,

£7 : 7s. ; other subjs., £10. M.B., Ch.B. (6 yrs.), £285 : 16 : 6 ; Ch.M. (2 yrs.), £60 ; M.Ch.Orth. (15 mos. or 12 mos.), £80 or £70 ; B.D.S. (5 yrs. 2 terms), £314 : 19 : 6; M.D.S. (2 or 3 yrs.), £22; B.V.Sc. (5 yrs.), £217; M.V.Sc., 1st yr., £20, 2nd yr., £10 ; LL.B. (3 yrs.), £82 : 2 : 6 ; LL.M. (sessional), £7 : 7s. ; B.Eng. (3 or 4 yrs.), £144-£192 ; M.Eng. (2 yrs.), £20 ; Ph.D. (9 terms or 2 calendar yrs.), £40 : 10s. or £27. Apparatus fee per session for postgraduate students using labs. for research (Sci., Med., Engin., except Maths.), £10. DIPLOMA COURSES : Educn. (1 yr.), £35 ; Archæol. (2 yrs.), £15 per session ; Pub. Admin. (3 yrs.), £30 ; Study of Records and Admin. of Archives (1 or 2 yrs.), £30 ; Industrial Sociol. (1 or 2 yrs.), £25 per session ; D.M.R. (D. or T.) (1 yr. 9 mos.), £63 ; D.P.H. (1 yr.), £60 ; D.T.M. & H. (6 mos.), £44 : 2s. ; Postgrad. courses requiring sp. facilities, £50 p.a. ; L.D.S. Liv., £253 : 12 : 6 ; Engin., 1 yr. after taking Certif. in Engin., £48. CERTIFICATE COURSES : Soc. Sci., £25 per session or £30 if taken in 1 yr. Archæol. (1 yr.), £15 ; Educn. (1 yr.), £35 ; Care of Children and Young Persons (not less than 12 mos.), £35 ; Engin., 3 or 4 yrs. at £48 per session. Sep. 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. ; other Bachelor degrees, £5 or £6, Master's degree (examn. or on application), Ch.M., M.Ch.Orth., M.D.S., £10 : 10s. ; M.Rad., £10 ; M.V.Sc., £5 ; others, £4 ; M.Sc., qual. examn., £2 ; Doctor's (examn. or on application), M.D., £10 : 10s., others, £10. Dipl. examns., L.D.S., £19 : 19s. ; Archæol., £3 ; Pub. Admin., £1 ; Civic Design, £1 : 10 : 6 ; Educn., Study of Records and Admin. of Archives, Industrial Sociol., £2 ; Engin., £3 ; D.P.H., D.M.R. (D. or T.), £10 : 10s. ; D.T.M. & H., £6 : 6s. Certif. Examns., Engin., £5 ; Pub. Health, £5 : 5s. ; Archæol., £3 ; others, £2.

Degree Admission Fees : *First Degree*—B.A., B.Arch., B.Com., B.Sc., B.V.Sc., LL.B., B.Eng., £6 or £5 ; M.B., Ch.B., B.D.S., £6 : 6s. or £5 : 5s. *Higher Degrees*—M.A., M.Com., M.C.D., M.Sc., LL.M., M.Eng., £7 or £6 ; M.Arch., £6 ; Ch.M., M.Ch.Orth., M.Rad., M.D.S., £10 ; M.V.Sc., £6 or £5 ; all Doctors' Degrees : £10 (except Ph.D., £7 or £6, and LL.D., £5). Dipls. & Certifs. : D.P.H., L.D.S., £2 : 2s. ; D.M.R. (D. or T.), £5 : 5s. ; D.T.M. & H., £3 : 3s. ; Dipl. Engin., £3 ; Certif. in Pub. Health, £1 : 1s. ; Cert. in Engin., £2 ; others, £1. *Note* : The lower figure is charged when a candidate has previously graduated in the Univ.

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

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 186.) For Women : University Hall, Holly Rd., Fairfield, Liverpool, 7 (*Telephone* : Anfield 1458), 130 students ; Rankin Hall, 38-46 Ullet Rd., Liverpool, 17 (*Telephone* : Sefton Park 1723), 112 students. For Men : Derby Hall, North Mossley Hill Rd., Liverpool, 18 (*Telephone* : Allerton 2331), 167 students. For current fees *see General Prospectus.*

ASSOCIATION OF GRADUATES. Besides " Convocation," there is a Liverpool University Society, with mainly social functions.

A UNIV. EXTENSION BOARD and a Univ. Jt. Cttee. on Tutorial Classes are responsible for extra-mural work. There are travelling libraries for local centres.

VACATION COURSES. The Summer School of Spanish held each yr. at San Sebastián includes courses for beginners and at inter. and adv. standard, and is followed by a supplementary study-tour in Spain. These courses are open to teachers, Univ. students, sr. pupils from schs., and, at the Dir.'s discretion,

other persons interested in Spanish hist. or art. Enquiries to: The Secretary, Inst. of Hispanic Studies, The University, Liverpool, 3.

APPOINTMENTS BOARD. (For Sec. and Asst. Sec., *see* pp. 173 and 186.) Formed to advise students on all matters relating to careers and employment, and to assist grads. and others to obtain suitable positions on the completion of their Univ. Courses.

UNIVERSITY TRAINING CORPS (T.A.). Headquarters and Orderly Room: 51 Bedford St. North, Liverpool 7. (*Telephone*: Royal 1314.) Hon. Colonel: Lieut.-General Sir Dudley Ward, K.B.E., C.B., D.S.O. C.O.: Lieut.-Col. R. W. Stephens, M.B.E., M.A. Adjutant: Major J. H E. Weber.

UNIVERSITY AIR SQUADRON. H.Q.: Everton Rd. Drill Hall, Everton Rd., Liverpool, 6. (*Telephone*: Anfield 1547.) C.O.: Sqn. Leader P. N. Farlow. Adjutant: Fl.-Lieut. R. I. Perry, D.F.C.

GUILD OF UNDERGRADUATES. Students' Union: 2 Bedford St. North, Liverpool, 7. (*Telephone*: Royal 4744.)

STUDENT ATHLETIC FACILITIES. Walter Harding Gymnasium, Bedford St. North, Liverpool; Geoffrey Hughes Athletic Grounds, Wyncote, Allerton, Liverpool. (*Telephone*: Allerton 2048.)

STUDENT HEALTH SERVICE. A Student Health Service is provided by the Univ., under the control of a Chief Medical Officer, assisted by other Medical Officers (one of whom is a woman) and a Student Welfare Officer.

PUBLICATIONS. *Calendar* (Oct.), 10s. 6d., post free; *Diary* (Oct.), free to members of the Univ.; *General Prospectus*; *Prospectuses of Faculties and Schools and leaflets on Degree courses* (Sept.), 3d. to 2s. 6d.; *Students' Handbook* (Oct.), free; Students' Magazine, *The Sphinx*, 6d. (4 numbers per session); Med. Students Mag., *Sphincter*, 2s. 6d. p.a. (3 numbers per session); *Report on Research and other Original Work* (Nov.), free; *Inaugural Lectures*.

UNIVERSITY PRESS. The Univ. Press of Liverpool fulfils two chief functions: to encourage res. by offering some prospect of publicn., and to make work that is being done in the Univ. known and available throughout the world. Works published by the Press are primarily but not exclusively by staff members of the Univ. The Press also publishes *The Annals of Tropical Medicine and Parasitology*, *The Town Planning Review* and *The Journal of Comparative Pathology and Therapeutics*.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Liverpool Cancer Control Organization, £27,748 for Cancer research; estate of late Florence S. Jacobsen, £7000 for medical postgrad. res.; I.C.I., £6650 (£250 towards United Alkali Co. Postgrad. Studentship, and £6400 in respect of the Research Fellowships); Leverhulme Charities Trust, £3333 for Leverhulme Fellowships; estate of late W. Johnston, £2000 for general purposes; Nuffield Foundation, £1625 to the Department of Social Science; Charles Brotherton Trust, £1300 (£300 towards postgrad. scholps., and £1000 to Dept. of Org. Chem.); Midland Bank Executor and Trustee Co., Ltd., £1251 (a share of residue of estate of late G. E. Wilson); Joint Matriculation Bd., £1200 to Vice-Chancellor's Fund; Cow and Gate Ltd., £1000 towards Fellowship in Child Health; estate of late Mrs. E. B. Noble, a sum not exceeding £1000 for annual award of "The E. B. Noble Prize"; Shell Petroleum Co., Ltd., £500 to Dept. of Inorg. and Phys. Chem.; Pilkington Bros., Ltd., £500 for general purposes; Liverpool Bd. of Legal

Studies, £500 towards cost of tuition in subjects of Solicitors Intermediate Examn. Courses; Automatic Telephone and Electric Co., Ltd., £440 for general purposes; Instituto para a Alta Cultura, £370 (£272 to Portuguese Lectureship, and £98 to Library); Murex Welding Processes, Ltd., £339 to Dept. of Metall.; Institute of Petroleum, £300 to Dept. of Inorg. and Phys. Chem.; J. Bibby and Sons, Ltd., £550 (£250 each to Dept. of Biochem. and Veterinary Field Station and £50 to Fac. of Engin.); British Oxygen Co., Ltd., £235 to Dept. of Metall.; estate of late Col. J. A. Edelsten, £169 for general purposes; W. & R. Jacob & Co. (Liverpool), Ltd., £105 for general purposes; Miss Caröe, E. A. G. Caröe and F. T. K. Caröe, £102 : 10s. to cover cost of portrait of Canon G. H. Rendall, first Principal of University College, copied from original at Charterhouse School; Anglo-Saxon Petroleum Co., Ltd., £100 to Dept. of Geol.; Sir Montague Burton, £100 p.a. for establishment of a "Montague Burton Lectureship in International Relations"; Liverpool and London and Globe Insurance Co., Ltd., £100 to Sustentation Fund; Martins Bank Ltd., £100 to Sustentation Fund: Roche Products, Ltd., £100 to Dept. of Surg.; Royal Insurance Co., Ltd., £100 to Sustentation Fund.

PRINCIPAL CHANGES IN REGULATIONS. Ordinances have been made or amended dealing with the Constitution of Faculties, Guild of Undergraduates, *ex officio* Degrees, Degrees of B.A., M.A., B.Sc. (War Service), M.B., Ch.B., Ch.M., M.Ch.Orth., Board of Veterinary Studies, Degrees in Veterinary Science, B.Eng. (War Service). Regulations have been made or amended dealing with the following matters:—Degrees of B.A., M.A., B.Com., M.Com., Cert. in Soc. Sci., Cert. in the Care of Children and Young Persons, Dipl. in Educn., Dipl. in Industrial Sociol., B.Sc., B.Sc. (War Service), Ch.M., M.D., M.Ch. Orth., Dipl. in Radiol., B.D.S., L.D.S., B.Eng., Cert. in Engin., Examn. in Professional Practice in Sch. of Archit., University Entrance Studentships, University Entrance Studentship in Archit., Hamilton Entrance Scholp., T. C. Turton Memorial Scholp., Shute Lectureship in Theatre Art, Sydney Jones Lectureship in Art, E. B. Noble Prize.

EXTRA-MURAL WORK. Under the Univ. Extension Bd., a total of 57 courses was arranged, including 8 sessional courses of 20 or more lectures; the total enrolment of students was 1916. The number of courses in Liverpool has been somewhat reduced, and greater attention paid to the development of the work in outlying parts of the extra-mural area: centres such as Warrington, Lancaster and Ulverston have figured in the Board's records for the first time. Under the Jt. Cttee. on Tutorial Classes, there were 71 three-year tutorial classes and 10 sessional classes, with a total of 1159 students.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. F. Braun, Kiel; Prof. B. Migliorini, Florence; Prof. P. Lehmann, Munich, "The Benedictine Order and the Transmission of Classical Learning in the Middle Ages"; Prof. Sandford, Calif.; Prof. Newcomb, Mich.; Dr. L. Rodwin, M.I.T.; Prof. T. Levring, Gothenburg, "The Flora of Australia."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. Dorothy Knowles, Univ. Coll. of N. Staffs.; Prof. W. E. Collinson, Oslo; T. G. E. Powell, Sorbonne; Prof. L. S. Hearnshaw, Manc.; Prof. H. Frohlich, Lille, Zürich, Paris, Rennes; Prof. H. L. Sheehan, St. And., Cardiff, Lond.; Prof. T. N. A. Jeffcoate, Penn.

RETIREMENTS. Prof. L. B. Budden (Archit.); Ethel S. Martin (Drawing); B. S. Slepchenko (Russian); Prof. F. J. Teago (Electr. Engin.); Prof. J. M. Thompson (Bot.).

RESIGNATIONS. H. G. A. Almond (Orthop. Surg.); M. J. Auffret (French); Dr. K. Baker (Obstet.); K. F. Bowden (Oceanog.); Dr. H. R. Cama (Biochem.); J. Carbonell (Spanish); M. J. Cayol (French); E. R. F. Cole (Archit.); Dr. L. W. Cox (Obstet. and Gynæcol.); Dr. D. S. Craig (Anat.); Barbara P. Fox (Phys. Educn. for Women Students); K. C. T. Gordon (Mathematical Statistics); Kathleen G. Gough (Warden of Rankin Hall); J. R. Green (Appl. Maths.); R. L. Green (Eng. Lit.); E. W. Griffith (Law relating to Death Duties); Dr. D. R. W. Haddock (Bacteriol.); H. K. Heppell (Elect. Engin.); K. J. Hill (Physiol.); Dr. T. L. Hobday (Physiol.); Dr. N. T. Jaco (Child Health); A. R. Jennings (Vet. Pathol.); D. H. Johnson (Org. Chem.); L. Jones (Econ.); Dr. N. L. Kantiengar (Biochem.); W. R. Kelly (Farm Animal Med.); Mlle Paule Lepretre (French); Dr. C. Lewy (Philos.); Dr. M. G. McEntegart (Bacteriol.); P. H. Mann (Soc. Sci.); Dr. R. H. Martin (Obstet.); Dr. R. Middleton (Phys.); G. D. Mitchell (Soc. Sci.); Dr. H. C. Moore (Pathol.); D. Morris (Geog.); Mrs. Enid M. Mumford (Soc. Sci.); Dr. R. C. Nairn (Pathol.); H. Page (Org. Chem.); J. R. Pounder (Appl. Maths.); A. D. G. Powell (Org. Chem.); A. Rankin (Law); A. H. Richmond (Soc. Sci.); F. E. Round (Bot.); C. F. Rowe (Archit.); K. Rowe (Res. Asst. in Geog.); Dr. W. Sircus (Physiol.); Dr. M. A. Soltys (Vet. Bacteriol.); Dr. B. G. Street (Metall.); T. D. Walshaw (Mech. Engin.); Prof. J. M. Whittaker (Pure Maths.); Dr. H. Wickham (Anatomy).

DEATHS. Dr. E. H. Alton (representative of Univ. of Dublin on the Court); W. Armstrong (Hon. Graduate); J. Austin (Hon. Graduate); J. W. Brown (a representative of Convocation on the Court); Prof. Emeritus E. T. Campagnac (Prof. of Educn. 1908–38); the Rt. Hon. Sir Stafford Cripps (Hon. Graduate); Dr. L. Cunningham (Demr. in Med. 1935–40, Lectr. in Clin. Med. since 1939); James Eric Drummond, 16th Earl of Perth (Hon. Graduate); Sir James Irvine (Hon. Graduate); Alderman W. T. Lancashire (member of Univ. Court since 1944); A. Lucas (Hon. Graduate); Prof. Emeritus H. E. Roaf (Prof. of Physiol. 1932–44); Sir Charles Scott Sherrington (Prof. of Physiol. 1895–1913, and Hon. Graduate); the Rt. Hon. George Tomlinson (Hon. Graduate).

HONORARY DEGREES. *LL.D.*—Lord David Cecil, Goldsmiths' Prof. of Engl. Lit., Oxon.; H.E. René Massigli, the French Ambassador; Rt. Hon. Viscount Swinton of Masham, Chancellor of Duchy of Lancaster; Dr. G. M. Trevelyan, Chancellor of Univ. of Durham. *M.A.*—Rt. Rev. A. Prentice, Moderator of Presbyterian Church of England; Alderman J. Williams, Chairman of Educn. Cttee. of Liverpool Corporation. *LL.M.*—B. B. B. Benas, President of Jewish Historical Society of England and former member of Univ. Council; Maj. G. Scrimgeour, late Clerk of Cheshire County Council.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 231 | 2462 |
| Women | 51 | 690 |
| Total | 282 | 3152 |

Postgraduate students, 501 (403 men, 98 women).
First year admissions, 679 (478 men, 201 women).
Students (full-time) from other countries, 168. (Countries from which

largest numbers came: India, 25; British W. Africa, 12; Thailand, 12; Egypt, 10; S. Africa, 10; U.S.A., 10.)

DEGREES CONFERRED. Ph.D. (Arts), 1; M.A., 22; M.C.D., 23; B.A. with Hons. in Special Studies, 70; B.A. with Hons. in General Studies, 3; B.A. in Special Studies, 1; B.A. in General Studies, 62; B.Arch. with Hons., 15; B.Arch. Ord., 32; B.Com. with Hons., 1; B.Com. Ord., 11; D.Sc., 3; Ph.D. (Science), 24; M.Sc., 9; B.Sc. with Hons., 82; B.Sc. Ord., 101; M.D., 8; Ph.D. (Med.), 1; M.Ch.Orth., 12; M.B., Ch.B. with Hons., 4; M.B., Ch.B. Ord., 75; M.D.S., 1; B.D.S. Ord., 8; LL.M., 2; LL.B. with Hons., 19; LL.B. Ord., 12; Ph.D. (Engin.), 2; M.Eng., 15; B.Eng. with Hons., 28; B.Eng. Ord., 58; M.V.Sc., 1; B.V.Sc. Ord., 17.

DIPLOMAS AWARDED. Educn. with Distinction, 4; Educn., 103; Archit. with Distinction, 4; Archit. Ord., 6; Civic Design, 8; Public Admin., 19; Records and Arehives, 6; Public Health, 16; Trop. Med. and Hyg., 20; Radiol., 4; Licence in Dent. Surg., 23.

CERTIFICATES AWARDED. Educn., 8; Soc. Sci., 27; Care of Children and Young Persons, 17; Public Health, 1.

[*Information compiled as at* 1/6/53;
*Staff list revised on* 24/9/53.]

# UNIVERSITY OF LONDON*

Founded 1836

*Postal Address*: The Senate House, London, W.C.1, England.
*Telegrams*: University, London.
*Telephone*: Museum 8000.

VISITOR—H.M. THE QUEEN IN COUNCIL.

CHANCELLOR—The Rt. Hon. THE EARL OF ATHLONE, K.G., G.C.B., G.C.M.G., G.C.V.O., D.S.O., D.C.L. Oxon., LL.D., F.R.S.

VICE-CHANCELLOR—Sir RODERIC HILL, K.C.B., M.C., A.F.C., M.A.

CHAIRMAN OF CONVOCATION—P. DUNSHEATH, C.B.E., M.A. Camb., D.Eng. Sheff., D.Sc. (Eng.).

CHAIRMAN OF THE COURT—The Rt. Hon. Sir NORMAN BIRKETT, M.A., LL.B. Camb., LL.D.

PRINCIPAL—D. W. LOGAN, M.A., D.Phil. Oxon., D.C.L. W. Ont.

CLERK OF THE COURT—J. R. STEWART, M.A. Durh.

SECRETARY TO THE SENATE—J. HOOD PHILLIPS, M.A. Oxon.

ACADEMIC REGISTRAR—J. HENDERSON, B.Sc., M.A. Edin., Ph.D.

EXTERNAL REGISTRAR—L. E. BALL, O.B.E., B.Sc.

DIRECTOR OF DEPARTMENT OF EXTRA-MURAL STUDIES—A. MCPHEE, B.Com., M.A. Edin., Ph.D.

SECRETARY TO THE UNIVERSITY ENTRANCE AND SCHOOL EXAMINATIONS COUNCIL—J. G. JENKINS, B.C.L., M.A. Oxon.

GOLDSMITHS' LIBRARIAN—J. H. P. PAFFORD, M.A., F.L.A.

ACCOUNTANT—A. B. WATERFIELD, B.A.

SUPERINTENDENT OF EXAMINATIONS—R. B. P. WALLACE, LL.B., M.A. Camb.

## ADMINISTRATIVE AND OTHER STAFF

Sec. to Appts. Bd.: H. R. Walters, M.C., T.D., B.Sc. (Eng.). Sec. to Athlone Press: W. D. Hogarth, O.B.E., M.A. Oxon. Maintenance Officer: J. H. James. Deputy Clerk of the Court: J. D. Angus, B.A. Lond. and Durh. Deputy Academic Registrar and Sec. to the Collegiate Council: G. Clark, B.Sc., M.A. Liv. Deputy Academic Registrar: A. Tattersall, M.A. Camb. Deputy External Registrar: R. L. Stear, T.D., B.Sc. Deputy Dir. (Extension), Dept. of Extra-Mural Studies: C. P. Thomas, B.A. Wales. Deputy Secs. to the Univ. Entrance and School Examns. Council: G. Bruce, M.A. Camb.; W. J. Dey, M.A. Durh. Deputy Librarian: D. T. Richnell, B.A. Camb., F.L.A. Deputy Supt. of Examns.: G. S. Congreve, B.A. Adviser to Overseas Students: Mary Trevelyan. Warden of University Union: J.

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

Waterman. Lodgings Officer: Mrs. Leslie H. Shirlaw, B.A. Wardens of University Hostels: E. D. Tappe, M.A. (Connaught Hall); Nora J. Mitchelhill, B.A. (Canterbury Hall); Mrs. Elizabeth Osman, B.A. Oxon. (Nutford House).

## SCHOOLS AND INSTITUTIONS

University teaching is organized under 3 categories: (1) conducted by the Univ. itself; (2) conducted by the several "Schools of the Univ."; (3) conducted at the other Institutions at which there are "Recognized Teachers of the Univ."

For the convenience of readers these have been divided in the following reference list into University Institutes; Non-Medical Schools; Undergraduate Medical and Dental Schools; Postgraduate Medical Schools; Institutions with Recognized Teachers.

For a more precise differentiation *see* the University of London *Calendar*.

*University Institutes*

Courtauld Institute of Art (p. 211).
Institute of Advanced Legal Studies (p. 213).
Institute of Archæology (p. 215).
Institute of Classical Studies (p. 216).
Institute of Commonwealth Studies (p. 217).
Institute of Education (p. 218).
Institute of Germanic Languages and Literatures (p. 223).
Institute of Historical Research (p. 224).
School of Slavonic and East European Studies (p. 225).
Warburg Institute (p. 227).

*Non-Medical Schools*

Bedford College (for women) (p. 229).
Birkbeck College (p. 234).
Imperial College of Science and Technology (p. 239).
King's College (p. 248).
London School of Economics and Political Science (p. 255).
Queen Elizabeth College (p. 261).
Queen Mary College (p. 263).
Royal Holloway College (for women) (p. 267).
Royal Veterinary College and Hospital (p. 270).
School of Oriental and African Studies (p. 273).
School of Pharmacy (p. 280).
University College (p. 282).
Westfield College (for women) (p. 297).
Wye College (p. 300).

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Theological Schools (pp. 304-305)
*New College.
*King's College: Theol. Dept.
*Richmond College.
*London College of Divinity.

*Undergraduate Medical and Dental Schools*

Charing Cross Hospital Medical School (p. 306).
Guy's Hospital Medical School (p. 309).
King's College Hospital Medical School (p. 313).
The London Hospital Medical College (p. 316).

* Not in receipt of U.G.C. grants.

Middlesex Hospital Medical School (p. 320).
Royal Dental Hospital of London, School of Dental Surgery (p. 323).
Royal Free Hospital School of Medicine (p. 326).
St. Bartholomew's Hospital Medical College (p. 330).
St. George's Hospital Medical School (p. 333).
St. Mary's Hospital Medical School (p. 336).
St. Thomas's Hospital Medical School (p. 339).
University College Hospital Medical School (p. 343).
Westminster Medical School (p. 347).

*Postgraduate Medical Schools*

British Postgraduate Medical Federation (p. 350) :—
Postgraduate Medical School of London (p. 355).
Institute of Psychiatry (p. 356).
Institute of Laryngology and Otology (p. 357).
Institute of Ophthalmology (p. 357).
Institute of Child Health (p. 358).
Institute of Obstetrics and Gynæcology (p. 359).
Institute of Neurology (p. 359).
Institute of Orthopædics (p. 360).
Institute of Dental Surgery (p. 360).
Institute of Cancer Research (p. 361).
Institute of Diseases of the Chest (p. 361).
Institute of Cardiology (p. 362).
Institute of Dermatology (p. 362).
Institute of Urology (p. 363).
Institute of Basic Medical Sciences (p. 363).

London School of Hygiene and Tropical Medicine (p. 364).

*Lister Institute of Preventive Medicine (p. 368).

**Institutions with Recognized Teachers*

University of London: Goldsmiths' College (p. 369).
Battersea Polytechnic (p. 369).
Chelsea Polytechnic (p. 369).
College of Estate Management (p. 369).
East Malling Research Station (p. 369).
Jews' College (p. 369).
John Innes Horticultural Institution (p. 369).
Maria Grey Training College (p. 370).
National Institute for Medical Research (p. 370).
Northampton Polytechnic (p. 370).
Northern Polytechnic (p. 370).
Rothamsted Experimental Station (p. 370).
Royal Academy of Music (p. 370).
Royal College of Music (p. 370).
Sir John Cass College (p. 370).
Trinity College of Music (p. 370).
West Ham College of Technology (p. 370).
Woolwich Polytechnic (p. 370).

* Not in receipt of U.G.C. grants.

## GENERAL INFORMATION

*The University authorities desire that it should be clearly understood that they can accept no responsibility for any information concerning examns. or procedure except such as is contained in the latest edition of their own official Regns. These can always be obtained on application at the Univ. offices.*

The Univ. was constituted by Royal Charter in 1836 as a body empowered to grant degrees to students of approved institutions after examn. and, until 1900, its work was confined to the examn. of students. The system whereby entrance to its examns. was restricted to students of certain affiliated Colleges was abolished, except for examns. in Medicine, in 1858. In 1878 its degrees were thrown open to women, London being the first of the Univs. of Gt. Britain to adopt this policy.

In 1900 the Univ. was reconstituted so as to strengthen the ties between it and the institutions engaged in Higher Education within a radius of 30 miles. The Senate was empowered to admit as *Schools of the University* institutions, situated within the administrative county of London and not carried on for the private gain or profit of the owners, which provide education of Univ. standard, and 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. Institutes and those Schools which receive financial aid from the Univ. Prior to the reconstitution the Govt. grant had been allocated to Schools by the U.G.C.

The Court is also responsible for the development of the 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. All *Appointed Teachers* at Schools of the Univ. are appointed by the Senate, which also has power to recognize as Teachers of the Univ. members of the teaching staff of certain approved public educational institutions, whether Schools of the Univ. or not. Matriculated students of Schools of the Univ. or those studying under such *Recognized Teachers* are eligible under certain conditions for registration as *Internal Students*, and are allowed, after pursuing Approved Courses of Study, to enter for the "Internal" examns. of the Univ. *External Students* may pursue their studies where and how they please, and are admitted, without any conditions as to attendance at Approved Courses (except in Med., Dental Surg., Pharm., Mining, Metall., Engin., Anat. and Archit.), after a period of Registration, to examns. for degrees in all subjects. The examns. for Internal and External students are in some cases separate, in others identical.

INCOME (1951–52). The total income of the Univ., including all its Schools and Institutions, for recurrent purposes during the year ending July 31, 1952, was £7,631,847. Treasury grants represented 66·6 per cent. of this total, grants from other Govt. departments 0·8 per cent. and grants-in-aid from Local Authorities 4·5 per cent. Fees (including Ministry of Education Tuition Grants for Teachers in training) represented 15·1 per cent. of the total University income. Endowments for both particular and general purposes provided 2·3 per cent., and Donations and Subscriptions 1·5 per cent. of the total Univ. income, while Contributions for Services Rendered accounted for a further 3·1 per cent. and Income from Other Sources 6·1 per cent.

The UNIVERSITY LIBRARY is a general library including all subjects studied in the Univ., but it is specially strong in the humanities. It contains over 550,000 vols. and over 3000 current periodicals, and provides reading accommodation for nearly 400 readers and an extensive loan service for members of the Univ. Among its special collections are the Goldsmiths' Library of Econ. Lit. (*c.* 60,000 vols. and pamphlets); the Durning-Lawrence Library containing an important collection of books by and about Sir Francis Bacon and a good working library on Shakespeare including the four folios; the De Morgan Library of mathematical and astronomical books; the Quick Memorial Library of books on education, especially rich in old text-books for the schoolroom; the Harry Price Library of magical literature; and the Eliot-Phelips Collection of Spanish books and works on the history of Spain.

The Music Library contains books and periodicals on music, music scores, gramophone records and pianola rolls, and is equipped with audition rooms. The Photographic Department is equipped to produce photostats, microfilms, enlargements, reflex and diazo copies, and work is undertaken both for Institutes and members of the Univ. and also for those unconnected with the Univ.

Each School and Institution of the Univ. has its own Library, and some particulars of these will be found below. For further details of the libraries of the Univ., see R. A. Rye: *Students' Guide to the Libraries of London*, 1927; R. Irwin: *The Libraries of London*, 1949; and L. M. Harrod: *The Libraries of Greater London*, 1951.

FACULTIES AND DEANS. *Arts*, Prof. E. H. Warmington (Birkbeck Coll.); *Economics and Political Science*, Dr. Vera Anstey (L.S.E.); *Engineering*, Prof. E. Giffen (Q.M.C.); *Laws*, Prof. R. H. Graveson (King's Coll.); *Medicine*, Dr. C. F. Harris (Bart.'s); *Music*, Dr. H. J. Coates (Trin. C.M.); *Science*, Prof. J. G. Semple (King's Coll.); *Theology*, Rev. H. Roberts (Richmond Coll.).

COMMITTEES OF THE SENATE. The 5 standing Cttees. are—The Academic Council, the Council for External Students, the Collegiate Council, the Council for Extra-Mural Studies and the University Entrance and School Examinations Council. There are about 35 other Cttees. besides the 50 Bds. of Studies.

TERMS for Univ. and Inter-collegiate courses, 1953–54; Oct. 7–Dec. 16; Jan. 13–March 24; April 28–July 7.

DEGREES. B.D., M.Th., D.D.; B.A., M.A., D.Lit.; LL.B., LL.M., LL.D.; B.Mus., D.Mus.; M.B., B.S., M.D., M.S.; B.D.S., M.D.S.; B.Vet.Med.; B.Pharm.; B.Sc., M.Sc., D.Sc.; Ph.D. (in all Facs.).

The B.Sc. and D.Sc. are granted in the Facs. of Sci. (including Agric., Hortic., Vet. Sci., and, for Internal students, B.Sc. in Household Sci. and in Nutrition, superseding the former B.Sc. (Household and Social Science)), Engin., and Econ. (including Estate Management); the M.Sc. in Sci. (including Agric., Hortic., Vet. Sci., and, for Internal students, Household and Social Sci.), Engin. and Econ. (including Estate Management).

ADMISSION. Intending students who are suitably qualified (*see* Appendix I) must apply to the Sec. to the Univ. Entrance and School Examns. Council, on Form M (obtainable from the Sec.), for a Statement of Eligibility. On being granted such a Statement they must apply to the School of their choice (*see* pp. 195-196) for admission. The admission of students, provided they satisfy University Minimum Entrance Requirements, is entirely a matter for the individual Schools. In all Faculties, except Theology and Economics, Faculty Requirements must also be satisfied.

EXTERNAL students for a Bachelor Degree take Intermediate *or* Preliminary and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental Surg., Archit. and Vet. Sc.) to 3 or 4 yrs. in all. All External students (except for the Intermediate overseas) are required to register, and all must previously have matriculated or must satisfy the minimum entrance and Fac. requirements of the Univ. at the time of first registration. Copies of all Regns. may be obtained from the External Registrar.

EXTERNAL EXAMINATIONS OVERSEAS. Certain of the examns. of the Univ. for External students are held not only in London and at Provincial centres within Great Britain, but also at centres in the Dominions and Colonies and in some foreign countries. The examns. in Theol., in Arts, in Laws, in Econ. and in Comm. have been held at about 156 overseas centres. The Examns. in Sci. have also been held under special arrangements at 30 overseas centres.

An INTERNAL student before being allowed to enter as such for any examn. must, unless specially exempted, have attended Instruction courses in all the subjects thereof. For a first degree in any Fac. he must have completed an Approved Course of Study extending over at least 3 yrs. which must, ordinarily, have been continuously pursued, but not necessarily all at one institution. As a general rule, Hons. may be taken at the Final examns. A course of study extending over not more than 1 yr. taken in another Univ. approved for the purpose subsequently to a student's passing the Interm. may be accepted subject to regns. in lieu of a course taken in this Univ.

Any person who has passed the Interm. examn. as an *External* student may be allowed to take the Final examn. for the first degree after having attended 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, London College of Divinity.

*Arts.* Courtauld Institute of Art, School of Slavonic and East European Studies, Bedford College (for women), Birkbeck College (for pt.-time students and some full-time postgraduate students), King's College, London School of Economics (*Anthropology*, *History*, *Geography* and *Sociology* only), Queen Mary College, Royal Holloway College (for women), School of Oriental and African Studies, University College, Westfield College (for women), 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 yr., Charing Cross Hospital Medical School and the London Hospital Medical College. Courses for the First and Second Examns. for Med. Degrees are provided at King's College and University College, and students from those Colleges attend the clin. course at King's College Hospital Medical School, St. George's Hospital Medical School, University College Hospital Medical School or Westminster Medical School. Courses for the First Examn. for Med. Degrees are also held at Queen Mary College, Chelsea Polytechnic and Northern Polytechnic.

Dental Surgery. Guy's Hospital Medical School, King's College Hospital Medical School, London Hospital Medical College, Royal Dental Hospital of London School of Dental Surgery, University College Hospital Medical School.

Veterinary Medicine. Royal Veterinary College.

Pharmacy. School of Pharmacy, Chelsea Polytechnic.

Postgraduate. British Postgraduate Medical Federation (Postgraduate Medical School of London, Institute of Psychiatry, Institute of Laryngology and Otology, Institute of Ophthalmology, Institute of Child Health, Institute of Obstetrics and Gynæcology, Institute of Neurology, Institute of Orthopædics, Institute of Dental Surgery, Institute of Cancer Research, Institute of Diseases of the Chest, Institute of Cardiology, Institute of Dermatology, Institute of Urology, Institute of Basic Medical Sciences), London School of Hygiene and Tropical Medicine, Lister Institute of Preventive Medicine.

*Science.* Bedford College (for women), Birkbeck College (for pt.-time students and some full-time postgraduate students), Imperial College of Science and Technology, King's College, Queen Mary College, Royal Holloway College (for women), University College, London School of Hygiene and Tropical Medicine, Battersea Polytechnic, Chelsea Polytechnic, Northern Polytechnic, Sir John Cass College, West Ham College of Technology, Woolwich Polytechnic.

Agriculture and Horticulture. Wye College.

Household Science and Nutrition. Queen Elizabeth College.

*Engineering.* Imperial College of Science and Technology, King's College, Queen Mary College, University College, Battersea Polytechnic, Northampton Polytechnic, West Ham College of Technology, Woolwich Polytechnic.

*Economics.* Bedford College (for B.Sc. (Sociology) only), London School of Economics and University College.

Estate Management. College of Estate Management.

Courses for the Postgraduate Certificate in Education are held at the Institute of Education, King's College and Goldsmiths' College.

The following is a brief summary of the Regulations. There are many exceptions and exemptions in regard to which reference should be made to the latest edition of the *Regulations* published by the Univ.

ARTS. The following First Degrees are awarded: B.A. (General), B.A. Honours, B.A. in Architecture.

B.A. (General) and B.A. Hons. Normally not less than 3 yrs. Inter. examn. in 3 subjects, including 2 langs., of which one must normally be Lat. or Gk. Exemption from pt. or whole of the Inter. examn. may be granted under certain conditions. In the Final examn. for B.A. (General) degree 3 subjects must be taken. The B.A. Hons. degree may be taken in any one of the following branches: Classics, Gk., Lat., Hist., Hist. of Art, Geog., Maths., Philos., Psychol., Sociol., Dutch, English, French, German, Italian, Portuguese, Spanish, Scandinavian Langs., Czech and Slovak Lang. and Lit., Hungarian Lang. and Lit., Polish Lang. and Lit., Russian Lang. and Lit., Serbo-Croat and Slovene Lang. and Lit., Slavonic and E. European Regional Studies, Arabic,

Classical Chinese, Mod. Chinese, Hebrew, Japanese, Mod. Japanese, Malay, Pali, Persian, Sanskrit, Tamil, Turkish; also Archit. and Celtic for External students and, for Internal students, Anthropol., Bengali, Burmese, Gujarati, Hindi, Marathi, Sinhalese and Urdu. Candidates for B.A. Hons. degrees in certain subjects must also offer a subsidiary subject. The B.A. in Architecture course for Internal students extends over 5 yrs. Inter. examn. in 5 subjects, including 2 langs. of which one must normally be Lat. or Gk. Exemption from the Inter. examn. may be granted under certain conditions.

The following Higher Degrees are awarded: M.A., M.A. in Architecture, Ph.D., D.Lit. Admission to examns. for these degrees is confined to grads. of this or other Univs. Examn. for the M.A. degree may be by written papers and/or by thesis and oral examn. Examn. for the Ph.D. degree is by thesis and oral (examiners may require written and/or practical). Candidates for the D.Lit. degree must have previously obtained the M.A. degree or Ph.D. degree in the Fac. of Arts. The D.Lit. degree is conferred for original published work.

*Diplomas.* Internal: Academic Dipls. in Educn., 1 yr.; Geog., 2 yrs.; Hist. of Art, 2 yrs. postgrad.; Military Studies, 2 yrs.; Town Planning and Civic Archit. or Civic Engin., pt.-time, 2-3 terms. Academic Postgrad. Dipls. in Anthropol.; Archæol.; Colonial Studies; Comparative Philol.; Phonetics; Psychol., 2 yrs. Archive Admin.; Librarianship: 1 yr. whole-time, 3-5 yrs. pt.-time. Postgrad. Certif. in Educn., 1 yr.; Dipl. in Fine Art, 3 yrs. External: Dipls. in Geog.; Educn.; Postgrad. Certif. in Educn. For Dipls. in the Humanities, v. Univ. Extension *infra*.

Science. The following First Degrees are awarded: B.Sc. (General). Normally 3 yrs.; Inter. Examn. in Sci. in 3 or 4 subjects which must include Maths. or Phys. or Chem. Final Examn. in 3 subjects selected from the following: Anat., Anthropol., Astron., Bot., Chem., Geog., Geol., Pure Maths., Appl. Maths., Military Studies, Phys., Physiol., Psychol., Stats., Zool. B.Sc. (Special), Old Regns. (operative in limited number of subjects only). Normally 3 yrs.; Inter. Examn. in Sci. as above; Final Examns. in one principal subject and an examn. in a subsidiary subject. B.Sc. (Special), Revised Regns. Normally 3 yrs. post-intermediate; prelim. qualifcns. normally 3 specified subjects at G.C.E. Advanced level or the equivalent. Final Examn. in the principal subject and examns. in 1 or more ancillary subjects. The subjects for B.Sc. (Special) are those for B.Sc. (General) with the exception of Military Studies. B.Sc. (Agriculture). Normally a 3-yr. course. Preliminary qualifcns. in 2 specified subjects at G.C.E. Advanced level or the equivalent; First Examn. in Phys. Scis. and Biol., Second Examn. in Econs. and Final. Examn. in Crop Production, Animal Production and Rural Econ. B.Sc. (Horticulture). Normally a 3-yr. course. Inter. Examn. in 5 subjects. Final Examn., Part I; Principles of Hortic.; Part II; Practice of Hortic. B.Sc. (Nutrition). Normally a 3-yr. course. First entry, Oct. 1953. Prelim. qualifcns. in 3 specified subjects at G.C.E. Advanced level; Pt. I in Biol. and Phys., Pt. II in Chem., and Pt. III in Nutrition and Physiol. B.Sc. (Household Science). As for B.Sc. (Nutrition) except that Pt. II includes Physiol. also and Pt. III consists of Household Sci. and either Chem. or Physiol. B.Sc. (Veterinary Science). Normally a 5-yr. course. First Examn. in Inorg. Chem., Phys. including Mechanics, and General Biol. Second Examn. in Vet. Anat. and Vet. Physiol. Final Examn. in Vet. Pathol. and Vet. Hyg.

Exemptions may be granted, under certain conditions, from Inter. and ancillary subject Examns.

The following Higher Degrees are awarded: M.Sc., M.Sc. (Agriculture), Ph.D., D.Sc. The M.Sc. is obtainable by written examn., dissertation, practical and oral, or by some of these methods or by thesis and oral; the Ph.D.

by thesis and oral. (Examiners may also require written and/or practical.) Admission to examns. for these Degrees is confined to grads. of this or other Univs. D.Sc. candidates must already have obtained a Higher Degree in Sci. and must submit original published work.

*Diplomas.* Academic Postgrad. Dipl. in Bacteriol., 1 yr.; Academic Postgrad. Dipl. in Dietetics, about 1 yr.; Academic Dipl. in Geog., 2 yrs.; Academic Postgrad. Dipl. in Psychol., 2 yrs.; External Dipl. in Biol., 1 yr.; External Dipl. in Geog., 1-2 yrs.

THEOLOGY. *Intermediate*: Subjects: New Test. Gk., and 4 of following: Classical Gk., Elem. Hebrew, Lat., Anc. Hist., General Ethics, Ethics (set book), General Psychol., Psychol. of Religion. Exemptions: a degree in Arts of Univ. of London exempts from whole examn.; Inter. in Arts and Higher School Cert. (or G.C.E. at Advanced level) may carry exemption in particular subjects.

First Degree: B.D. Not less than 2 yrs. Final Examn. covers 5 compulsory subjects (Old Test., New Test., Bibl. and Hist. Theol., Church Hist., Philos. Introdn. to Theol.) and a selected subject.

Higher Degrees. M.Th. is open to those who have obtained Hons. at B.D., or a pass at B.D. with a pass at 2nd Class Hons. standard at a further qualifying examn. Candidates are examined in any *one* of the following 5 branches and may offer any further *two* branches, not more than one to be taken in any one yr.: Hebrew; Aramaic; Gk., New Test. and Apocrypha; Church Hist.; Bibl. and Hist. Theol.; Study of Religion.

D.D. Candidates must have obtained B.D. and passed M.Th. examn. in at least one subject, and must submit published work or a thesis.

*Diplomas*: Academic Dipl. in Theol., 2 yrs. (also for External students).

LAW. *Intermediate*: Course extends 1 yr. Subjects: Roman Private L. Constitutional L., English Legal System, Elements of L. of Contract. Exemptions: a pass in General Principles of English L. at B.A. (Gen.) exempts from Elements of L. of Contract.

First Degree: LL.B. Normally 2 yrs. The Final Examn. is in 2 pts. and candidates must normally pass Pt. I before entering for Pt. II. Pt. I consists of 4 selected papers. Pt. II consists of a paper on Jurisprud. and Legal Theory and 3 papers chosen from a list of 15 alternative subjects.

Higher Degrees: LL.M. Normally no candidate is admitted until 2 yrs. after passing the LL.B. Candidates are examined 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 Fac. of Laws and must submit published work.

*Diploma*: Academic Postgrad. Dip. in Law, not less than 1 yr.

MEDICINE. First Degrees in Med. and Surg. The course for the M.B., B.S. degrees extends normally over 5½ yrs. The first Examn. for Med. Degrees (Chem., Phys. and Biol.) is taken after 3 terms. Inter. in Sci. or Higher School Certif. (or G.C.E. at Advanced level) may carry exemption from whole or part of First M.B. The Second Examn. for Med. Degrees (Human Anat., Physiol. and Pharmacol.) is normally taken 5 terms after passing the First Examn. The course for the Third (Final) Examn. for Med. Degrees extends over 3 yrs. and is divided as follows: Pt. I: Pathol.; Pt. II: Med., Appl. Pharmacol. and Therapeutics; Pt. III: Surg.; Pt. IV: Obstet. and Gynæcol. Pt. I may be taken after 30 mos.' course, but after completing the full 36 mos.' clinical course a candidate must enter for all pts. of the examn. in which he has not already passed.

From the following institutions outside the U.K. and the Republic of Ireland, the Univ. of London accepts, subject to a yr.'s study in the U.K.,

certificates for the complete course of Medical education, including Clin. Med. and Surg. preparatory to the M.B., B.S. degrees for External Students: Univs. of Dalhousie, McGill, Toronto, Adelaide (with Infirmary), Melbourne (with Melb. and Alfred 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-clin. Med. M.D. and M.S. under Revised Regns.: Pt. I may be taken not less than 2 calendar yrs. and Pt. II not less than 5 calendar yrs. after candidate has obtained M.B., B.S. degrees of the Univ. of London. (Exemption from Pt. I possible if appts. held in approved Institution for not less than 2 yrs.) Pt. II (thesis) 3 yrs. after completing Pt. I.

First Degree in Dental Surgery. The course for the B.D.S. normally extends over 5½ yrs. The following examns. are taken: First Examn. for Med. Degrees after 1 yr.; Second Examn. in Dent. Surg.: Pt. I (General Anat., Physiol. and Special Anat.), 1 yr. after passing First M.B.; Pt. II (Prosthetic Dent.), 1 yr. after passing Second B.D.S., Pt. I; Third Examn. in Dent. Surg., Group I (Med. Surg., Pathol. and Bacteriol., Pharmacol. and Therapeutics), not less than 2 yrs. after passing Second B.D.S., Pt. II; Group II (Dent. Surg., Operative Dent. Surg. and Orthodontics) at the next following examn.

Higher Degrees in Dental Surgery. The first examn. for the Degree of Master of Dental Surgery was held in Nov. 1952. A candidate must have obtained the B.D.S. of the Univ. of London as an Internal student, not less than 2 calendar yrs. previously. The Examn. will consist of a General Examn. in Dent. Surg. and Pathol. and a Sp. Examn. in one of the following divisions which a candidate must select at the time he enters for the examn.: Clin. and Operative Dent. Surg.; Oral Pathol.; Oral Surg. and related Prosthetics; Dent. for Children and Orthodontics. A candidate may submit a thesis embodying the result of his own independent res. At the discretion of the Examiners a candidate who submits a thesis may be granted exemption from the whole or part of the examn. (General and Sp.). A candidate who holds the M.B., B.S. Degrees of the Univ. of London may submit at Pt. II of the M.D. and M.S. Examns. theses on Stomatol. and Oral Surg. respectively.

First Degree in Pharmacy. B.Pharm. The Final Examn. is in two pts. Pt. I is taken at the end of the 2nd yr.'s course, and includes Pharmaceutics, Pharm. Chem., Pharmacognosy and Pharmacol. Pt. II is taken at the end of the 3rd yr.'s course, and consists of any 2 of the following: Pharm. Chem., Pharmacognosy, Pharmacol., Genl. Pharmaceutics or Pharm. Engin.

Veterinary Medicine. First Degree in Vet. Med. The course for the B.Vet.Med. Degree (introduced in Oct. 1952) extends over 5 yrs., 1 term. The Vet. Pre-Clin. Examn. Pt. I will be taken after 3 terms' study at the Royal Vet. Coll. and the Vet. Pre-Clin. Examn. Pt. II after a further 5 terms. The course for the Final Examn. for the B.Vet.Med. extends over 8 terms at the Royal Vet. Coll.

*Diplomas.* Academic Postgrad. Dipls. in Clin. Pathol. (also for External students), Pub. Health, Trop. Med. and Hyg., 1 yr.; in Dietetics, 2 terms and 6 mos.' practical work; Psychological Med. (Pt. I after not less than 6 mos.' course and Pt. II after a course of study extending over 3 academic yrs.). For Dipl. in Nursing, v. Extra-Mural Studies *infra*.

Music. The subjects for the Inter. examn. are Harmony and Counterpoint, Form and Analysis, and Hist. of Mus. For the B.Mus. examn.: Harmony and Compn., Counterpoint and Canon, Fugue, Hist. of Music,

**Musical Analysis, Musical Exercise. Candidates for the B.Mus. must submit a musical exercise. For the D.Mus. there is a written examn. and a musical exercise.**

ENGINEERING. The following Degrees are conferred in the Fac. of Engin.: B.Sc. (Eng.); B.Sc. (Eng.) in Chem. Eng.; B.Sc. (Eng.) in Metallurgy; B.Sc. (Eng.) in Mining; M.Sc. (Eng.); Ph.D.; D.Sc. (Eng.). The course of study for the Final Examn. for a Bachelor's Degree extends over not less than 3 yrs.* Before entry on a course of study for a Final Examn., Internal and External candidates must pass at main subject standard in Pure Maths. and Appl. Maths. [or Maths. (Pure and Appl.)], Phys. and Chem. at a Higher School Examn. *or* at Advanced level at a G.C.E. Examn. *or* at the Prelim. (Inter.) Examn. in Sci. or an approved equivalent. In Aeronautical, Civil, Elect. and Mech. Engin., a candidate who has so qualified in the three subjects, Pure Maths., Appl. Maths. and Phys., may qualify for admission to the course of study by passing in Chem. at Ordinary level at a G.C.E. Examn. A candidate who is appropriately qualified in 3 of the subjects, Pure Maths., Appl. Maths., Phys. and Chem., may be allowed to enter on the course and to complete the entrance qualificns. by passing in the fourth subject before taking any part of the Final Examn.

The General Internal and External Final Examns. in *Engineering* and *Chemical Engineering* are divided into 2 pts., Pt. I of the latter being divided into 2 sections. The General Internal and External Final Examn. in *Metallurgy* is divided into 3 parts. The Sp. Internal Final Examns. in *Engineering* are divided into 3 pts., and there are two Sp. Internal Final Examns. in *Chemical Engineering*, one divided into 2 pts., the other into 3 pts. The External Final Examn. in *Mining* is divided into 3 pts. There are Sp. Internal Final Examns. in *Metallurgy and Mining*. The Sp. Internal Examns. are confined to students of certain Schools of the Univ.

Internal Candidates for the M.Sc. (Eng.) degree are required to have graduated in this or another Univ. at least 1 yr. before entry to the M.Sc. (Eng.) Examn., but graduates of other Univs. are debarred by Statute from proceeding direct to higher degrees as External students. The examn. is by thesis or dissertation and there is an oral examn. The Examiners may also require a written examn.

Save in exceptional circumstances, Internal and External candidates for the D.Sc. (Eng.) degree must have obtained in this Univ. the M.Sc. (Eng.) degree or Ph.D. degree in the Fac. of Engin. The Degree is awarded on the ground of published work which affords definite evidence that the candidate has initiated and conducted research in Engin. Sci. of such quality as has given him an authoritative standing.

ECONOMICS. First Degrees: The following are awarded: B.Sc. (Econ.) Revised Regns. Normally 3 yrs. Prelim. qualificns.: Pass an Inter. Prelim. or First Examn. or possess a Higher School Certif. or a G.C.E. with 3 subjects at Advanced level. The Final Examn. is in 2 pts. and candidates must normally pass Pt. I before entering for Pt. II. Pt. I covers 7 compulsory papers (Principles of Econs., Appl. Econs., Pol. Hist., Econ. Hist., Elements of Govt., Hist. of Pol. Ideas and Elem. Statistical Method) and 2 alternative subjects chosen from a list of 10. Pt. II consists of 5 papers on a Sp. Subject chosen from a list of 13.

B.Sc. (Soc.). Normally 3 yrs. Prelim. qualificns.: Pass an Inter. Prelim.

*** 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.**

or First Examn. or possess a Higher School Certif. or a G.C.E. with 3 subjects at Advanced level. A candidate who has obtained a B.A. Hons. degree in Sociol. will not be admitted. The Final Examn. consists of 10 papers on a group of subjects to be chosen from 3 groups. Candidates must also pass in Econ. as a subsidiary subject.

B.Sc. (Est. Man.) Old Regns. Last Final Examn. 1955. Normally 3 yrs. The Final Examn. is in 2 pts. Pt. I covers 3 subjects. Pt. II covers Appl. Econs. and a group of 4 subjects to be chosen from 2 groups. Revised Regns. normally 3 yrs. First Examn. in 4 subjects. No exemptions granted. Final Examn. consists of 11 papers chosen from either the Urban Group or the Rural Group of subjects. Course work must be submitted for both Examns.

Higher Degrees. The following are awarded: M.Sc. (Econ.), M.Sc. (Est. Man.), Ph.D., D.Sc. Admission to Masters' Degrees is normally 2 yrs. after passing the appropriate First Degree. For the M.Sc. (Econ.) candidates are examined in 1 subject to be selected from a list of 8 (4 papers or a dissertation and 2 papers). The M.Sc. (Est. Man.) Examn. consists of 2 papers on a selected, approved general subject and a dissertation on an approved special subject.

D.Sc. (Econ.). Candidates must hold the M.Sc. (Econ.) or M.Com. or Ph.D. in the Fac. of Econs. and must submit published work.

*Diplomas.* Dipl. in Pub. Admin., normally 2 yrs.; Dipl. in Social Studies (Ext.), normally 2 yrs.

MILITARY EDUCATION. Military Studies is one of the optional subjects for the Inter. Arts and Final B.A. and B.Sc. (General) examns. The course for the Academic Dipl. in Military Studies is in abeyance.

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 Schools of the Univ. special arrangements are made for Research students, and the facilities offered are not restricted to Internal grads. of the Univ. External grads. and grads. of other approved Univs. are allowed, under certain conditions, to enter as Internal students for the degrees of Bachelor or of Ph.D. in the several Facs., and for the degree of M.Th., M.A., LL.M. or M.Sc. Every candidate must submit evidence of graduation, etc., together with a certif. from the authorities of the School or Institution of the Univ. at which he proposes to study, stating that the student is, in their opinion, a fit person to undertake the proposed course of study and res., and that they are willing to supervise his work. An overseas student may himself submit an applicn. on the prescribed form, and the Univ. will, if so requested, advise on the selection of the School or Institution at which, and Teacher under whom, he should study. Application for such advice should be addressed to the Academic Registrar. Overseas students should apply for registration before coming to London, and their applicns. should reach the Univ. if possible 12 months before the commencement of their course, and at the latest by March 1, to enable them, should their applicns. be successful, to enter upon their course of study in the following Oct., *i.e.* at the beginning of the session. Students whose applications are approved are required to pursue a course extending over at least 2 yrs.

An Internal student who is a candidate for the Ph.D. degree must have graduated in the Univ. or have been registered as a candidate for the degree after passing approved examns. for a degree in another Univ. An Internal student is further required to pursue a course of study of not less than 2 yrs.' full-time, or 4 yrs.' pt.-time, training in res. and res. methods. Any grad. of the Univ. may become a candidate for the Ph.D. degree in his first degree Fac. as an External student on receiving the approval of the Council for External students.

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

FEES. Registration (incl. matricn.), Internal: normal First Degree, 3 gs., Postgrad. and Advanced students, 5 gs.; External, 5 gs.; Final Examn. and Graduation—usually about 17 gs. (Med., 29 gs.) for first degree. Other Degree fees, 10 to 20 gs. Tuition, *see* the sections relating to the several schools.

ADVISORY SERVICE FOR EXTERNAL STUDENTS. Any External student who is duly registered for an External degree or dipl. and experiences any difficulty in connexion with the appropriate studies may apply to the External Registrar for guidance. Such guidance may take the form of detailed schemes of study or personal discussion with an Adviser.

ADVISER TO OVERSEAS STUDENTS. Students from outside the British Isles may obtain general information, advice on personal problems and in emergencies, from the Univ. of London Adviser to Overseas Students, 6 Gordon Square, W.C.1. *Telephone*: Langham 5035.

The COMMERCE DEGREE BUREAU exists to help in their studies External (especially extra-London) students proposing to take the Commerce Degree examns., or the examn. for the B.Sc. (Econ.) degree under the revised regulns., to provide a reference and lending library for students and generally to promote the value and usefulness of the degrees. The Bureau is administered by a Senate Cttee. Prospectus and enquiry forms obtainable on applicn. to the Sec., Commerce Degree Bureau, Senate House, W.C.1. *Telephone*: Museum 2843.

The UNIVERSITY APPOINTMENTS BOARD exists to obtain appts. for grads. *Postal Address*: Senate House, W.C.1. *Telephone*: Museum 6682/3.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 194.) Halls of Residence provided by the Senate: Canterbury Hall, Cartwright Gardens, W.C.1 (*Telephone*: Euston 5526), for 220 women students (fees, £110: 5s. and £120 per session of 30 weeks); Connaught Hall of Residence, 16-20 Torrington Square, W.C.1 (*Telephone*: Museum 6674), for 80 men students (fees, £90 to £120 per session of 30 weeks), and Nutford House, Brown Street, W.1 (*Telephone*: Ambassador 4431), for 160 women students (fees, £94: 10s. and £110: 5s. per session of 30 weeks). Other Hall of Residence recognized by the Senate: College Hall, Malet Street, W.C.1, for 220 women students (fees, £110: 5s. and £126 per session).

Residence is also provided at or in connexion with the Inst. of Educn., Imperial Coll., King's Coll., London Sch. of Economics, Queen Mary Coll., Univ. Coll. and Wye Coll.; Bart.'s, Guy's, London, Middlesex, Univ. Coll. Hospl. Med. Schools and Westminster Med. School; the Theol. Colls. and the women's Colls. London House, Guilford Street, W.C.1, provides accomm. for 222 Commonwealth men students, including some from the U.K.

LODGINGS BUREAU, 28 Woburn Square, W.C.1 (*Telephone*: Museum 2818). Enquiries to be addressed to the Lodgings Officer.

UNIVERSITY UNION (founded 1921), 30 and 31 Woburn Sq., W.C.1 (*Telephone*: Museum 2757). The Univ. Athletic Ground is at Motspur Park, Surrey (*Telephone*: Malden 0661), and the Univ. Boat-House at Hartington Road, Chiswick.

DEPARTMENT OF EXTRA-MURAL STUDIES. The work of the Dept. is controlled by the Council for Extra-Mural Studies. The area of operation includes the Counties of London, Middlesex and Surrey, S.-W. Essex and S. Hertfordshire, and the County Boroughs of Croydon, E. Ham, W. Ham and Southend-on-Sea. The work is subdivided into 4 sections and the chief admin. officers of the Dept. are: Dir. of Dept.—A. McPhee, M.A., B.Com. Edin., Ph.D.; Academic Adviser for Tutorial Classes—H. C. Shearman, M.A. Oxon.; Deputy Dir. (Extension)—C. P. Thomas, B.A. Wales; Sec. for U.S. Vacation Courses —A. M. Parker, M.A. Oxon.; Sec. for Tutorial Classes—F. G. Brook, B.Sc. (Econ.); Hd. of Vocational Dipls. Section—R. A. S. Knowles. In addition, there are 13 Staff Tutors as follows: W. Burmeister, B.A. Oxon.; G. Bush, M.A., D.Mus. Oxon.; J. P. Carruthers, M.A. Glas.; E. M. Eppel, M.A., Ed.B. Glas.; Mrs. M. Eppel, B.A., Ph.D.; H. Fyrth, B.Sc. (Econ.); W. Hamling, B.A. Liv.; Miss E. Monkhouse, B.A. Oxon., D. de l'U. Poitiers; S. Pickering, M.A. Camb.; Mrs. J. Schwarz, Dr.Phil. Berl.; Miss L. M. G. Spencer, B.A. Oxon.; L. G. Stone, B.Sc. (Econ.); J. R. Williams, B.A. Leeds.

(*a*) *Univ. Extension Courses* have been carried on by the Univ. since 1902 (prior to that, 1876–1902, by the London Soc. for the Extension of Univ. Teaching). Courses are held at approved centres on Hist., Lit., the Arts, Internat. Affairs, Govt., Social Studies, Religion, Physical and Biological Sciences, Geog. An examn. for certifs. may be held at the end of each Sessional course. Short courses (5 or 6 lectures) of a pioneer or illustrative kind are arranged. Continuous study over several yrs. is encouraged by the *Diplomas in the Humanities* (Hist., Lit., Econ., Social Theory and Structure, Hist. of Art, Biblical and Religious Studies, Internat. Affairs), awarded, under the Seal of the Univ., to students who carry on an approved co-ordinated course of study usually covering 4 yrs., and pass the required examns. Provision is made, where required, for post-dipl. study.

(*b*) *Tutorial Classes* have been provided since the W.E.A. estabd. in 1909 a close and harmonious relation with the Univ. The classes extend over 3 consecutive yrs., usually with a max. membership of 24 students. Sessional Classes and Advanced Classes lasting one session are also provided. There are no examns. but all students undertake to do written work on subjects periodically arranged with the tutor to suit individual needs. In the class the tutorial method of exposition and discussion is followed. The subjects include Art, Econ., Hist., Internat. Affairs, Lit., Music, Philos., Pol. and Psychol.

(*c*) 2 Annual Residential Summer Schools for Tutorial and Sessional Class students and an annual Residential Summer School for Univ. Extension students are held at centres in the country. In addition, week-end and day schools are arranged for Tutorial and Extension students.

(*d*) An annual Residential Summer Course, lasting 6 wks., is held for U.S. grads. and undergrads. particularly, but also for suitably qualified students from England, Europe and elsewhere.

(*e*) An annual Residential Summer Course in English for Foreign Students, lasting 4 wks., is held. Special stress is laid upon Phonetic teaching. The course is designed to widen the students' knowledge not only of contemp. Engl. Lang. and Lit. but of English customs, institns. and art, by means of lectures, classes, visits, etc.

(*f*) The *Examination for the Certificate of Proficiency in Religous Knowledge* is held once a yr. in London, the Provinces and overseas.

(*g*) The *Examination for the Certificate of Proficiency in English for Foreign Students* * (for candidates whose mother-tongue is not English) is held each yr. The *Examination for the Certificate of Proficiency in English for Teachers of Foreign Students* (for English or foreign candidates) may be held each yr.

(*h*) *Examinations for Certificates of Proficiency in Czech, Danish, Dutch, French, German, Hungarian, Italian, Norwegian, Polish, Roumanian, Russian, Serbo-Croat, Spanish and Swedish* are held in London.

(*i*) The *Examination for the Certificate of Proficiency in Diction and Drama* is held once a yr., and is open to qualified teachers and to other persons who have had appropriate experience in teaching or similar work, and who have taken a one-yr. full-time or two-yr. pt.-time course at Training Schools or Institutions approved for the purpose.

(*j*) The *Examination for the Certificate of Proficiency in Natural History* is held once a yr., and is open to teachers who have followed a sp. scheme of study, involving a directed course of reading, attendance at a Practical Course, field-work and essay.

(*k*) The *Examinations for the Diplomas in History*—General Hist. or Mod. Hist.; *Literature*—English Lang. and Lit. or General Lit.; *Economics*; *Sociology*; *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 Diploma in Dramatic Art* is held once a yr. in July, and is open to students whose general educn. satisfies the Council and who have studied at least 2 yrs., after attaining the age of 17 yrs., at Training Schools or institutions where courses have been approved. Under certain conditions, an additional third-year course for teachers may be taken.

(*m*) The *Examn. for the Diploma in Nursing* is held once a yr. in London, and is open to Registered Nurses whose general educn. satisfies the Council, subject to certain specified conditions with regard to Pt. B of the Examn. The *Examn. for the Sister-Tutor's Diploma* is held once a yr., and is open to Registered Nurses whose nursing experience and general educn. satisfies the Council and who have studied for at least 2 yrs. at training institutions where courses have been approved.

(*n*) *Examn. for the Diploma in Theology* is held once a yr. in London, the Provinces and overseas, and is open to students over 19 whose general educn. satisfies the Council.

(*o*) *Examn. for the Diploma in Public Administration* is held once a yr. in London, the Provinces and overseas, and is open to students holding a Univ. degree or an approved technical or professional qualificn. who have been engaged for at least 3 yrs. in pub. admin. work of an approved standard.

[*Further information and copies of the Regns. may be obtained from the Director of the Department of Extra-Mural Studies, University of London, Senate House, W.C.1.*]

School Examinations. The Univ. conducts examns. for the *General Certificate of Education*. The examn. is held in approved Secondary Schools and may also be taken by Private Candidates.

Subjects may be offered at Ordinary, Advanced and Scholarship levels, and the examn. is held at these 3 levels in June, and in Nov. at Ordinary and Advanced levels, and the entry of school candidates at Advanced level is

* The Univ. of Cambridge Local Examinations Syndicate also awards a Certificate of Proficiency in English, v. p. 114.

subject to certain conditions. There are no Group requirements, and candidates may offer one or more subjects. The certif. is attested by the Minister of Education.

The Univ. is prepared to hold the examn. at schools and for Private Candidates overseas, provided that, in the case of schools in the Commonwealth and Empire, the application is received through the Govt. of the Dominion or Colony, or, in the case of schools in foreign countries, through H.M. representative.

Regns. are obtainable from the Sec. to the University Entrance and School Examinations Council, Univ. of London, Senate House, London, W.C.1.

OFFICIAL PUBLICATIONS. The following are obtainable from the University of London (Publications), Senate House, W.C.1:

*The Calendar*, 16s. incl. postage. *Gazette*, 9 issues per. yr.; annual subscription, 10s., single no., 1s. 2d., including postage. *Examn. Papers*, published as soon as possible after the several Examns.; prices vary from 1s. 3d. to 3s. 6d.

*Regulations*. The following may be obtained on applicn. to the Central Office of the Univ.: Regns. relating to Univ. Entrance Requirements and Conditions of Matricn.; Regns. for Int. and for Ext. Students (published separately) for Degrees in Arts, Sci., Agric., etc.; for the various Dipls. and Certifs. in sp. subjects; for Ph.D. Degree; Scholarships pamphlet; pamphlets of *General Information* for Internal Students and for External Students.

The ATHLONE PRESS was established in 1950 with offices in the Senate House, its functions being to publish University lectures, the work of graduates of the University and of teachers of the University or of its Schools and Central Institutions, and such other works as the Board of Management may accept.

## THE YEAR 1951–52

BENEFACTIONS (*see also* Benefactions to Schools and Senate Institutes). London County Council, £250,000 towards cost of purchase of property from Bedford Estate; Hoover Ltd., £600 to continue Hoover Open Postgrad. Studentship for further yr.; Dr. Sanderson-Wells added further £500 to his fund for studentship in Nutrition; Mrs. H. L. Court offered to bequeath £500 to endow prize in Botany; late Mrs. E. M. Williams left residuary bequest on trust for med. or scientific res.; Universities' China Cttee. agreed to increase grant for lecturer in Chinese Art and Archæol.; Hon. Mountstuart Elphinstone made gift of his collection of Chinese monochrome porcelains.

NEW POSTS.* *Birkbeck Coll.*: Chair of Zoology; *Imperial Coll.*: Readership in Elect. Engin.; Readership in Public Health Engin.; *King's Coll.*: Readership in German; *Sch. of Oriental and African Studies*: Readership in Phonetics; Readership in Hist. of India; *Roy. Free Hosp. Sch. of Med.*: Readership in Anat.; Readership in Phys.; *Brit. Postgrad. Med. Federation*: *Inst. of Psychiatry*: Fitzmary Chair of Physiology; *Inst. of Cancer Research*: Chair of Physical Chemistry; Readership in Phys. applied to Med.; *Lond. Sch. of Hygiene*: Chair of Medical Protozool.

SOME SPECIAL LECTURES DELIVERED IN 1951–52. *Creighton Lecture*—"Henry Chichele and the Ecclesiastical Politics of His Age," by Prof. E. F. Jacob; *Ethel M. Wood Lecture*—"The Old Testament in the New," by Prof. C. H. Dodd; *Heath Clark Lectures*—Five lectures on "Trends of Opinion about the Public Health, 1901–1951," by Prof. J. M. Mackintosh; *Semon*

* Newly instituted posts not filled by May 23, 1953, have not been included.

*Lecture*—" Articulatory Defects in Aphasia," by Dr. Macdonald Critchley ; *Stamp Memorial Lecture*—" The Balance of Payments," by Prof. L. C. Robbins.

HONORARY DEGREES. *D.Lit.*—Sir Patrick Abercrombie, Prof. Emeritus of Town Planning ; Prof. N. H. Baynes, Prof. Emeritus of Byzantine Hist. ; Helen Darbishire, former Principal of Somerville Coll., Oxford ; Sir Percival David, Bt., founder of the Percival David Foundation of Chinese Art ; Dr. A. H. Thomas, former Deputy Keeper of the Records to the Corporation of London. *LL.D.*—H.R.H. the Princess Elizabeth ; H.R.H. the Duke of Edinburgh ; Field-Marshal the Rt. Hon. the Viscount Alanbrooke, former Chief of Imperial General Staff ; the Rt. Hon. Lord Beveridge, former Vice-Chancellor ; Sir Roydon Dash, former Chief Valuer, Board of Inland Revenue ; I. J. Hayward, a representative of the L.C.C. on the Court since 1945 ; Sir Godfrey Ince, Permanent Secretary, Ministry of Labour and National Service ; the Rt. Hon. Herbert S. Morrison, former Leader of the L.C.C. *D.Sc.*—Dr. Donald Van Slyke, physiologist and biochemist. *D.Sc. (Eng.)*.—Sir Claude Gibb, formerly Director-General Armoured Fighting Vehicles.

STUDENT NUMBERS. Registered Internal Students for Session 1951–52 : 23,230 (17,774 men, 5456 women ; 18,297 full-time, 4933 part-time students). Included in this total are 3559 postgraduate students.

Students (full-time) from other countries, 3190. (Countries from which largest numbers came : India, 427 ; British W. Africa, 225 ; U.S.A., 225 ; Egypt, 205 ; S. Africa, 191 ; Canada, 169 ; Australia, 164 ; Poland, 139 ; Pakistan, 126 ; British W. Indies, 121.)

Registered External Students for Session 1951–52 : 27,408. Intermediate and Preliminary Examinations (Home) : 11,275. Degree and Diploma Examinations : University Colleges, 2472 ; Technical Colleges, 5848 ; Correspondence Courses, 3550 ; Private Study, 2147 ; Overseas, 1628. Colonial University Colleges (Inter. and Final) : 488.

The number of full-time students in Schools of the Univ. and Senate Institutions (based on U.G.C. returns*) in 1951–52 : 18,312 (13,340 men, 4972 women) ; of these, 4541 were first-year admissions (3144 men, 1397 women).

INTERNAL DEGREES AWARDED. Arts : *First Degrees*, 779, *Master's Degrees*, 85, *Ph.D.*, 80, *Higher Doctorates*, 2 ; Economics : 381, 27, 25, 0 ; Engineering : 596, 19, 48, 1 ; Laws, 135, 10, 0, 1 ; Medicine, 600, 0, 19, 112 ; Music : 5, 0, 0, 0 ; Science : 1221, 118, 236, 17 ; Theology : 24, 2, 2, 0.

EXTERNAL DEGREES AWARDED. Arts : *First Degrees*, 685, *Master's Degrees*, 28, *Ph.D.*, 6, *Higher Doctorates*, 0 ; Economics : 471, 6, 2, 0 ; Engineering : 456, 10, 7, 0 ; Laws : 109, 1, 0, 0 ; Medicine : 26, 0, 2, 8 ; Music : 7, 0, 0, 0 ; Science : 1112, 21, 45, 1 ; Theology : 49, 4, 1, 1.

* *See* footnote to p. 6.

# *UNIVERSITY INSTITUTES*

[*Information compiled as at* 4/5/53;
*Staff list revised on* 24/9/53.

## COURTAULD INSTITUTE OF ART

Founded 1932

*Postal Address*: 20 Portman Square, London, W.1, England.
*Telephone*: Welbeck 1388–9.

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor L. C. ROBBINS, C.B., M.A. Oxon., B.Sc. (Econ.), F.B.A.

DIRECTOR—A. F. BLUNT, C.V.O., Ph.D., M.A. Camb.

DEPUTY DIRECTOR—J. WILDE, Ph.D. Vienna.

REGISTRAR—CHARLES CLARE.

LIBRARIAN—RHODA WELSFORD.

### TEACHING STAFF

*Art, History of*

The Director — Prof.
The Deputy Dir. — Prof.
Whinney, Margaret, D.Lit., F.S.A. — Reader.
Hohler, C., M.A. Oxon. — Lectr.
White, J. E. C. T., Ph.D. — Lectr.
Thomas, D. C. T., B.A. — Asst. Lectr.

*Chinese Art and Archæology*

Hansford, S. H., M.A. — Lectr.

*Technology of Art, History of*

..... — Prof.
Rees-Jones, S. — Lectr.

### GENERAL INFORMATION

Opened to students Oct. 1933, as the result of a gift of £100,000 for bldgs. and partial endowment by Mr. Samuel Courtauld, and of gifts by Sir Joseph Duveen and Sir Herbert Cook. Other benefactions include a gift by the late Alderman J. G. Graves and the bequest of his estate by the late Mr. Norman Wilkinson of Four Oaks, with which a Scientific Dept. and Lab. have been established. A Univ. Dept. concerned with teaching and res. in the Hist. of Art, including both European and Oriental. Courses are provided leading to B.A. Hons. in Hist. of Art and to M.A. and Ph.D. in Hist. of Art and in Chinese Archæol., also to a Dipl. in both subjects. Res. students also accepted, and a number of lectures are given to which the general public are admitted. The present headquarters of the Inst., one of the finest examples of the work of the Brothers Adam, is also a gift from Mr. Courtauld. When the headquarters of the Inst. are moved to Bloomsbury, 20 Portman Sq. will remain the official residence of the Dir. and a centre for special studies.

FEES. For full-time students, £40 p.a. Fees for pt.-time students or for public lectures on applicn. to the Registrar.

LIBRARY. 19,900 vols. and 17,850 pamphlets, slide collection and Conway Library of reproductions. The Witt Library is now housed in the Institute at 20 Portman Square.

PUBLICATIONS. *The Bibliography of British Art*; *Prospectus*; in association with the Warburg Institute, *The Journal of the Warburg and Courtauld Institutes.*

## THE YEAR 1951–52

BENEFACTIONS. Sir Robert Witt, his library containing some 600,000 reproductions of paintings, and his collection of about 5000 drawings. Both benefactions were also generously endowed by the donor.

RETIREMENT. H. Ruhemann (Technol.).

RESIGNATION. P. Murray (Hist. of Art), apptd. Witt Librarian.

DEATH. Sir Robert Witt, one of original members of History of Art Cttee. which led to the founding of the Courtauld Institute of Art. He was a member of the Cttee. of Management from 1932 till his death.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 24 | 35 |
| Women | 53 | 32 |
| Total | 77 | 67 |

Postgraduate students, 34 full-time; 22 part-time.

New admissions, 20 full-time; 25 part-time.

Students (full-time) from other countries, 15. (Countries from which largest numbers came: U.S.A., 9; Canada, 4.)

DEGREES AWARDED. B.A. Hons. History of Art, 5; M.A. History of Art, 2; Ph.D. History of Art, 3.

DIPLOMAS AND CERTIFICATES AWARDED. Postgraduate Academic Dipl., 2; Institute Certificate in History of Art, part-time, 13.

[*Information compiled as at* 29/5/53; *Revised on* 24/9/53.]

# INSTITUTE OF ADVANCED LEGAL STUDIES

Founded 1948

*Postal Address*: 25 Russell Square, London, W.C.1, England.
*Telephone*: Museum 3232.

CHAIRMAN OF COMMITTEE OF MANAGEMENT—The Rt. Hon. Sir NORMAN BIRKETT, M.A., LL.B. Camb., LL.D.

DIRECTOR—Professor Sir DAVID HUGHES PARRY, M.A. Camb., D.C.L. McG., LL.D. Br. Col., New Br., Wales and W. Ont.

SECRETARY AND LIBRARIAN—K. HOWARD DRAKE, M.A. Camb.

## GENERAL INFORMATION

The Inst. was establd. as pt. of the post-war expansion of the Univ. of London and occupies premises near the Senate House. Its aim is to act as a focal point for legal res., to provide seminar classes for students reading for higher degrees in law at a School of the Univ., and to build up a good working res. library in law. Teaching at the Inst. is undertaken by members of the law teaching staffs of Colls. and Schools in the Univ. with a Fac. of Laws, in addition to the Dir. of the Inst.

The Inst.'s Library now consists of about 33,000 books, some 5000 of which were bequeathed to the Univ. by the late Dr. Charles Huberich. The Inst. has acquired practically all U.K. law reports and Statutes and basic works, particularly those of use for seminar purposes. In addition, the Nuffield Foundation have generously made available £10,000 for the purchase of legal lit. relating to the Dominions and Colonies. Through this benefaction, the Inst. is making good progress towards the creation of a comprehensive library of British Commonwealth law. The U.S. section of the library is being considerably enlarged and many current U.S. periodicals not taken elsewhere in England are regularly received, and an attempt is being made to acquire earlier volumes as quickly as practicable.

The Institute has collated particulars of legal res. undertaken in Britain and the Commonwealth, and is in a position to pass this information on to res. workers and other enquirers. An annual list of topics in progress is prepared.

Admission to the Inst. may be granted, without fee, to *teachers* of law in Univs. and Univ. Colls., both in the U.K. and overseas, and to teachers in other Law Schools who are qualified to become members of the Soc. of Public Teachers of Law; to *postgraduate students* engaged on approved res., and to other Univ. students attending a class or seminar at the Inst.; and to *other persons* by permission of the Dir.

Persons who already hold a res. degree or have published the results of their researches, or have had considerable training or practical experience in the law, may be admitted to the use of the Inst., either on payment of a fee, or without fee, if duly invited and willing to assist in the work of a seminar held at the Inst.

Postgrad. students, whether reading for a degree or dipl. or not, must

register at a Coll. or Sch. of the Univ. with a Fac. of Laws (viz. King's Coll., Univ. Coll., L.S.E. and the Sch. of Oriental and African Studies). When so registered, they will become eligible, on the recommendation of their teachers, for admission to the Institute.

PUBLICATIONS. *Annual Report* presented to the Senate; annual list of *Legal Research Topics* in British Univs. Library publications: No. 1, *A Survey of Legal Periodicals held in British Libraries* (1949); No. 2, *Union List of Commonwealth Law Literature in Libraries in Oxford, Cambridge and London* (1952).

## THE YEAR 1951–52

The Library increased by 4635 books to a total of 30,550 on July 31, 1952. The number of readers during the session was 231.

[*Information compiled as at* 26/5/53 ; *Staff list revised on* 24/9/53.]

# INSTITUTE OF ARCHÆOLOGY

Founded 1934

*Postal Address* : Inner Circle, Regent's Park, London, N.W.1, England.
*Telegraphic Address* : Instarch, London.
*Telephone* : Welbeck 1697.

CHAIRMAN OF MANAGEMENT COMMITTEE—S. W. WOOLDRIDGE, D.Sc., F.R.S.

DIRECTOR—V. G. CHILDE, B.A. Syd., B.Litt. Oxon., D.Litt. Harv., Oslo, D.Sc. Penn., F.B.A.

SECRETARY—E. PYDDOKE, F.G.S.

## TEACHING STAFF

*A. of Roman Provinces*
Wheeler, Sir Mortimer, C.I.E., M.C., D.Litt. Brist., D.Lit., M.A., F.B.A., F.S.A. Prof.

*Environmental A.*
Zeuner, F. E., Ph.D., D.Sc. Prof.

*Indian A.*
Codrington, K. de B., M.A. Camb. Prof.

*Palestinian A.*
Kenyon, Kathleen, M.A. Oxon., D.Lit., F.S.A. Lectr.

*Prehistoric European A.*
The Director Prof.

*Western Asiatic A.*
Mallowan, M. E. L., M.A. Oxon., F.S.A. Prof.

## GENERAL INFORMATION

Equipment provided in the first instance for the study of the Archæol. of the British Isles and Nr. East, esp. of those countries for which Gt. Britain has had special responsibilities, such as Palestine, Mesopotamia, etc.

Teaching collections for British and Palestine archæol., notably the Petrie Palestinian collection, are available to students.

The Library contains 5000 books, some 2500 pamphlets and 5000 volumes of periodicals on British, European and Asiatic archæology. It is available to students and Institute members.

Instruction is given for the Dipls. in Archæol. of the Univ. of London, and for higher degrees in archæological subjects. Tuition is also provided in archæological technique, including excavation methods, the repair and preservation of archæological objects, draftsmanship, surveying and photography. Courses of lectures, open both to students and to the general public, are given in these subjects, on recent excavations both in the British Isles and the Nr. East, and on archæological methods.

PUBLICATIONS. *Prospectus* (free) ; *Annual Report* (5s.) ; *Occasional Papers.*

## THE YEAR 1951–52

Series of 3 lectures on " From History to Prehistory in Western India," and 7 lectures on " Archæology and the Natural Sciences," delivered at Inst.; additl. courses and demonstrations in practical technol. arranged and field trips to acquaint students with the monuments and environments of early man.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 9 | 13 |
| Women | 7 | 14 |
| Total | 16 | 27 |

Postgraduate students, 37.
New admissions, 16.
Students (full-time) from other countries, 7. (Countries from which largest numbers came: India, 2; Pakistan, 2.)

[*Information compiled as at* 24/8/53; *Revised on* 24/9/53.]

# INSTITUTE OF CLASSICAL STUDIES

Founded 1953

*Postal Address*: 50 Bedford Square, London, W.C.1, England.
*Telephone*: Museum 6144.

DIRECTOR—.....

## GENERAL INFORMATION

The Inst. was founded by the Senate of the Univ. of London in July 1953 and began to function during the session 1953–54. Its objects are to promote the advancement of the study of the Classics; provide opportunities for contacts between scholars in the Classical field, both within the Univ. and from other centres of learning at home and abroad; and to arrange facilities for advanced study and research and for the training of postgraduate students in Classics and cognate subjects.

The Hellenic and Roman Societies are associated with the Inst., and the main portion of their joint library forms the nucleus of the Inst.'s library. For the time being the Inst. is housed in the Societies' premises.

[*Information compiled as at* 6/5/53 ;
*Revised on* 24/9/53.]

# INSTITUTE OF COMMONWEALTH STUDIES

Founded 1949

*Postal Address* : 27 Russell Square, London, W.C.1, England.
*Telephone* : Langham 7855.

DIRECTOR—Professor Sir KEITH HANCOCK, M.A. Oxon., D.Litt. Rhodes, F.B.A.

SECRETARY/LIBRARIAN—A. R. HEWITT.

## GENERAL INFORMATION

The Inst. was establd. in 1949 to promote advanced study of the Commonwealth. Its field of interest is primarily, but not exclusively, that of the social sciences. It encourages collaboration at postgrad. level between workers who are employing different techniques of res. in the study of Commonwealth problems. It provides a meeting-place both for postgrad. students and members of the academic staffs of Univs. and res. institutions in the U.K. and overseas countries of the Commonwealth. Seminars, usually of the "inter-disciplinary" type, are held for advanced students during the Univ. terms. Admission to them is on recommendation by supervisors of studies or at the discretion of the Dir.

LIBRARY. The library does not set out to compete with the great collections but selects material of special value for res. and postgrad. teaching. It places particular emphasis upon primary material relating to govt., econ. and social development, race relations and demography, and with this object it regularly acquires official publicns., stats., guides to archives, etc., of the U.K. and Commonwealth countries. It is also acquiring a good selection of sec. works on the development of the Commonwealth during the past century. It subscribes to periodicals of significance for the study of the Commonwealth.

A strong bibliographical section is being built up by the acquisition of bibliographies, indexes to periodical lit., guides and indexes to govt. and parliamentary papers of the U.K. and Commonwealth countries, and similar aids to res. A bibliography of bibliographies in the library is maintained and a register of res. in progress and of deposited theses in London and other U.K. Univs. is being compiled. It is hoped to assemble, so far as possible, similar material relating to res. being done in other parts of the Commonwealth.

Particulars as to admission and forms of applicn. may be obtained from the Secretary/Librarian.

The Institute publishes an *Annual Report.*

## THE YEAR 1951–52

The Carnegie Corporation launched a scheme by which Fellows from the Dominions may be nominated by the Institute and Chatham House acting jointly. The first Fellow under this scheme spent the year at the Institute.

[*Information compiled as at* 28/5/53 ;
*Staff list revised on* 24/9/53.]

# INSTITUTE OF EDUCATION

**Founded 1902**

*Postal Address* : University of London Institute of Education, Malet Street, London, W.C.1, England.
*Telephone* : Museum 5525.

DIRECTOR—G. B. JEFFERY, M.A., D.Sc., F.R.S.

ADVISER TO OVERSEAS STUDENTS—A. S. HARRISON, M.Sc.

JOINT SECRETARIES—GRACE M. WACEY, M.B.E.
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. Oxon.

## CONSTITUENT DEPARTMENTS

Department of Education, King's College, Strand, W.C.2 (Hd. of Dept., Prof. A. V. Judges, B.A., D.Sc. (Econ.)). Training Department, Goldsmiths' College, New Cross, S.E.14 (Warden, Hd. of Training Dept. and Sch. of Art (teacher training course) : D. R. Chesterman, M.Sc., Ph.D.).

## CONSTITUENT COLLEGES *

Avery Hill Training College, Eltham, S.E.9 (Miss F. Consitt, Ph.D., B.A., B.Litt.) ; Battersea Training College of Domestic Science, 58 North Side, Clapham Common, S.W.4 (Miss F. F. Laidler, M.Sc.) ; Borough Road College, Isleworth, Middx. (E. R. Hamilton, M.A., B.Sc.) ; Brighton College of Art and Crafts (teacher training course), Grand Parade, Brighton, 7 (E. A. Sallis Benney) ; Brighton Training College, 8 Eastern Tce., Brighton (Miss K. M. Balfern, B.A.) ; Catholic Training College, 11 Cavendish Square, W.1 (Mother Mary Fidelis, B.A.) ; Chelsea College of Physical Education, Denton Rd., Eastbourne (Miss G. M. Cater) ; Coloma College, Wickham Court, West Wickham, Kent (Mother Mary Benignus) ; Dartford College of Physical Education, Dartford Heath, Kent (Miss E. Alexander) ; Digby Stuart College, Convent of the Sacred Heart, Roehampton, S.W.15 (Mother M. K. Richardson, B.A.) ; Eastbourne Training College, Darley Rd., Eastbourne (Miss F. E. Ward, M.Sc.) ; Froebel Educational Institute, Grove House, Roehampton Lane, S.W.15 (Miss E. M. Jebb, C.B.E., M.A.) ; Furzedown Training College, Welham Rd., S.W.17 (Miss C. Fletcher, B.A.) ; Garnett College,

* Together with names of Principals.

83 New Kent Rd., S.E.1 (C. Jameson, M.Ed., B.Sc.) ; Gipsy Hill Training College, Kenry House, Kingston Hill, Surrey (Miss F. D. Batstone, B.A.) ; Hornsey School of Art and Crafts (teacher training course), Crouch End Hill, N.8 (J. G. Platt) ; Manresa College, Roehampton, S.W.15 (Rev. W. Lawson, M.A.) ; Maria Assumpta Training College, 23 Kensington Square, W.8 (Mother Isabel Eugénie); Maria Grey Training College, 11 The Avenue, Brondesbury, N.W.6 (Miss M. Cant, B.A.) ; National Society's Training College of Domestic Subjects, Berridge House, Fortune Green Rd., N.W.6 (Miss K. M. Perry, M.Sc.) ; National Training College of Domestic Subjects, 72-78 Buckingham Palace Rd., S.W.1 (Miss G. M. Eland, O.B.E.) ; Nonington College of Physical Education, Nonington, nr. Dover, Kent (Miss W. A Whiting, M.A.) ; Philippa Fawcett College, 94 Leigham Court Rd., S.W.16 (Miss F. Jarvis) ; Rachel McMillan College, Creek Rd., Deptford, S.E.8 (Miss M. Davies) ; St. Gabriel's College, Cormont Rd., Camberwell, S.E.5 (Miss P. V. McKie, D.Sc., Ph.D.) ; S. Katharine's College, Tottenham, N 17 (Miss A. M. Ottley, M.A.) ; College of S. Mark and S. John, King's Rd., Chelsea, S.W.10 (H. C. Cooksey, M.A.) ; St. Mary's College, Strawberry Hill, Twickenham, Middx. (Very Rev. K. Cronin, M.A.) ; Seaford Training College for Teachers of Housecraft, Cricketfield Rd., Seaford, Sussex (Miss A. Teece, B.A.) ; Shoreditch Training College, Cooper's Hill, Englefield Green, Egham, Surrey (A. G. Scrivens, M.A., B.Sc.) ; Southlands College, 65 Wimbledon Parkside, S.W.19 (Miss M. S. Johnson, B.A.) ; Stockwell College, The Old Palace, Bromley, Kent (Miss O. Lambert, M.A.) ; Trent Park Training College, Barnet, Herts (H. A. T. Simmonds, M.A.) ; Westminster College, 130 Horseferry Rd., S.W.1 (Rev. H. T. Hughes, M.A.) ; Whitelands College, West Hill, Putney, S.W.15 (Mrs. E. M. Williams, M.A.).

## CENTRAL COLLEGE TEACHING STAFF

Professors

Lauwerys, J. A., D.Sc. Ghent, F.R.I.C. (Compar. E.).

Pattison, B., B.A. Durh., Ph.D. Camb., M.A. (Educn.).

Read, Margaret H., C.B.E., Ph.D., M.A. Camb. (E. with sp. ref. to E. in Colonial areas).

Reid, L. Arnaud, M.A., D.Litt. Edin., Ph.D. Wales (Philos. of E.).

Vernon, P. E., D.Sc., Ph.D., M.A. (Educnl. Psychol.).

Readers

Fleming, Charlotte M., Ph.D., M.A., Ed.B. Glas. (Educn.).

Gardner, Dorothy E. M., M.A. Leeds (Child Develt.).

James, H. E. O., M.Sc., B.A. Manc. (Psychol.).

Senior Lecturers

Balint, Edna, Ph.D., B.Sc. Manc. (Child Develt.).

Batten, T. R., M.A. Oxon. (Colonial E.).

Cleugh, Mary F., Ph.D., B.A. (Dipl. for Teachers of Educationally Sub-Normal Children).

Daltry, C. T., B.Sc. (Maths.).

Davis, Joan A. M., M.A. (Curric. of Sec. Mod. Sch.).

Penfold, Mrs. Daisy M. Edwards, M.Sc., A.M. Col. (Stats.).

Elliott, A. V. P., M.A. Camb. (Engl.).
Emerson, L. H. S., M.A. Camb. (Engl. Educnl. Thought and Practice. Tutor to Oversea Students).
Floud, Mrs. Jean E., B.Sc. (Econ.) (Sociol. of E.).
Gwynne, H. Maura Brooke, M.A. Camb., A.B. Radcliffe (Engl.).
Honeybone, R. C., M.A. (Geog.).
Kinchin Smith, F. J., M.A. Oxon. (Classics).
King, W. H., Ph.D., M.A., B.Sc. (Educn.).
Meier, F. A., M.A. Camb., B.Sc (Phys. Sci.).
Parker, B. N., M.A. (Mod. Langs.).
Sollis, C. G., M.A. Oxon. (Colonial E.).
Warden, Winifred M., M.Sc. Birm., F.L.S. (Biol. Sci. and Health E.).
Weitzman, Sophia, Ph.D. Manc., M.A., F.R.Hist.S. (Hist. and Hist of E.).
Whaite, H. C., Slade Dipl. (Art.).
Wilshere, Phyllis N., M.A. Oxon. (Hist.).

Lecturers

Baggott, Doris I. (Colonial E.).
Barnard, G. L., B.A. (Engl.).
Baron, G., Ph.D., B.A., M.Ed. Leeds Organizing Tutor.
Bearman, Ethel C., M.A. Oxon. (Mod. Langs.).
Burston, W. H., M.A. Brist. (Hist.).
Cass, Joan E. (Child Develt.).
Chandler, Constance M., B.Sc. (Phys. Sci.).
Coppen, Mrs. Helen E., B.Sc. Pret. (New Media).
Evans, P. C. C., M.A. Wales (Colonial E.).
Figueroa, J. J., M.A. (Philos. of E. and Engl. Art).
Gabriel, Olive M., A.T.D.
Gattegno, C., D.E.S. Marseilles, Dr.Phil. Basle, D. ès L. Lille, M.A. (Maths.).
Gilbert, M., M.A. Camb., B.A., B.Sc. (Econ.) (Mod. Langs.).
Gordon, Shirley C., M.A. (Hist.).
Gray, Mrs. Sylvia M., B.A. Pret. (Dipl. for Teachers of Educationally Sub - Normal Children).
Haskell, Mary L. (Child Develt.).
Henderson, J. L., M.A. Oxon. (Hist.).
Hodge, Barbara J., M A. Camb. (Classics).
Hodgson, Mrs. Frances M., B.A. (Mod. Langs.).
Holland, T. R., M.A. R'dg. (Engl. Educnl. Thought and Practice).
Holt, Mrs. Frances M., Ph.D. Birm. (Biol. Sci.).
King, Rev. C., B.A. Oxon. (Colonial E.).
Koop, Geraldine W. (Art).
Langdon, Mrs. Eleanor M. (Child Develt.).
Lee, Doris M., Ph.D., M.A. (Maths.).
Long, Mrs. Iris L. M., M.A. (Geog.).
Martin, Nancy C., M.A., D.P.A. (Engl.).
Moore, Mrs. Edith M., B.A. (Engl. and Relig. E.).
Mort, E. L., O.B.E., M.A. Oxon. (Colonial E.).
Noonan, J. A., D.Phil. Oxon. (Engl.).
Pheasant, Julia H., B.Sc., F.L.S. (General Sci.).
Roberson, B. S., B.Sc.(Econ.) (Geog.).
Speer, J. G., M.A. Oxon. (Colonial E.).
Spencer, Ann O. (Art).
Waddington, Mary, M.A. (Child Develt.).
Whitehead, F. S., M.A. Camb. (Engl.).

Wilson, J., M.A. Glas. (Colonial E.).

Research Psychologists

Hindley, C. B., B.Sc., M.B., Ch.B. Manc. (Child Develt.).

Moore, T. W., B.A (Child Develt.).

Research Assistants

Gill, Mrs. Madge, B.A. (Colonial E.).

Lee, W. R., Ph.D. Prague, B.A. (English).

Lewis, Mrs. Isabel, B.A. Rand. (Child Develt.).

Visiting Staff

Akehurst, R. (Bookbinding).
Breed, Hilda A. (Weaving).
Brodie, U. Suzanne (Speech Trg.).
Dawson, Molly (Speech Trg.).
Foster, A. W. A. (Music).
Fowles, J. A. (Lab. Arts).
Newland, W. R., A.T.D. (Pottery).
Underwood, R. G. (Phys. E.).
Williams, R. (Lab. Arts).

## GENERAL INFORMATION

London Day Training Coll. was founded by the L.C.C. in 1902 as an institution in connexion with the Univ. working under the Regulns. of the Bd. of Educn. for the Trg. of Teachers. The first Principal (1902–22) was Prof. (later Sir) John Adams. From 1909 to 1932 the Coll. was a School of the Univ. in Pedagogy, and as such was governed by a Coll. Council composed equally of representatives of the L.C.C. and of the Senate. In 1932, as the result of an agreement between the Bd. of Educn., the L.C.C. and the Univ., the Coll. was transferred to the educnl. and financial control of the Univ., and its title was changed to " University of London Institute of Education." The Inst. was administered as a " central activity " of the Univ. by a Delegacy apptd. by the Senate, and composed of representatives of that body, of the L.C.C. and of the teaching staff, together with certain co-opted members. In 1938 the Inst. was transferred to the new bldg. on the Bloomsbury site provided by a sp. grant from the Council to the Univ.

In accordance with the Recommendation of the McNair Cttee. on the Trg. of Teachers and Youth Leaders, the Univ. of London Inst. of Educn. now comprises the Central Activity, two Constituent Depts. and 35 Constituent Colls. The Inst. of Educn. is the Area Trg. Organization for the Counties of E. Sussex, Essex (except Mid-Essex and N.E. Essex), Kent, London, Middx. Surrey and the County Boroughs of Brighton, Canterbury, Croydon, Eastbourne, E. Ham, Hastings, Southend, W. 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 Regulns. for the Training of Teachers (H.M. Stationery Office, Kingsway, London, W.C.2) for Primary and Secondary Schools. Grads. may devote themselves continuously for a yr. to the theory, etc., of Educn. and obtain the Univ. Postgrad. Certif. in Educn.

Particulars of the courses provided in the Constituent Depts. and Colls. may be obtained from the Jt. 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. : Postgrad. Certif. in Educn., Art Teacher's Certif., Sp. Colonial Course, Adv. Course in the Dept. of Child Develt., Dipl. in Engl. Educnl. Thought and Practice, Dipl. in the Methods of Teaching Engl. as a Foreign Lang., Dipl. in the education of handicapped children, with special reference to the needs of (*a*) educationally sub-normal or (*b*) maladjusted children, the Academic Dipl. in Educn., and the M.A. and Ph.D. courses in Educn.

" Recognized " students taking one of the following : Postgrad. Teacher's Certif., Art Teacher's Certif., the Dipl. in the Educn. of Handicapped Children with special reference to the needs of (*a*) educationally sub-normal or (*b*) maladjusted children, or the Adv. Course in the Dept. of Child Develt., under Ministry of Educn. Regulns. for the Trg. of Teachers, receive financial assistance towards fees and maintenance as set out in the current regulns.

An Associateship of the Inst. has been establd. and may be awarded to students 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. Applicns. for the award of the Associateship must be received not later than Dec. 1 in the session in which they are to be considered. A fee of 3 gs. must accompany each applicn.

STAFF RESIDENCES. College Rooms : 12-15 Bedford Way, W.C.1 ; 48-49 Coram St., W.C.1 ; 35 Gower St., W.C.1.

PUBLICATIONS. *Yearbook of Education* (publd. by Messrs. Evans Bros. in assocn. with this Inst. and Teachers Coll., Columbia Univ.). Obtainable from the Inst. : *Colonial Review*, *Studies and Reports*, Nos. I-XIV ; *Studies in Education*, Nos. I-V ; *Studies and Impressions*. An annual *Handbook* of the Inst. is published.

## THE YEAR 1951-52

RETIREMENT. Miss M. G. Calthrop.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 179 | 397 |
| Women | 153 | 361 |
| Total | 332 | 758 |

Postgraduate students, 945.

New admissions, 883.

Students (full-time) from other countries, 242. (Countries from which largest numbers came : British W. Africa, 57 ; India, 32 ; Pakistan, 19 ; British W. Indies, 14 ; Canada, 13 ; Australia, 11.)

DEGREES, ETC., AWARDED. Ph.D. (Education), 10 ; M.A. (Education), 26 ; M.A. Part I, 2 ; Academic Dipl., 56 ; Postgraduate Cert. in Education, 371 ; Art Teacher's Dipl., 68 ; Dipl. in English Educational Thought and Practice, 15 ; Dipl. in the Teaching of English as a Foreign Language, 14 ; Dipl. for Teachers of Educationally Sub-normal Children, 20 ; Associate of the Institute of Education, 20.

[*Information compiled as at* 11/5/53; *Revised on* 24/9/53.]

# INSTITUTE OF GERMANIC LANGUAGES AND LITERATURES

Founded 1950

*Postal Address*: 29 Russell Square, London, W.C.1, England.
*Telephone*: Langham 2711.

CHAIRMAN OF MANAGEMENT COMMITTEE—.....
HONORARY DIRECTOR—Professor EDNA PURDIE, M.A., D.Lit.
SECRETARY/LIBRARIAN—R. PICK, Ph.D. Vienna.

## GENERAL INFORMATION

The objects of the Inst. are to promote the advancement of the study of Germanic Langs. and Lits., to provide opportunities for contacts between scholars in the Germanic field, both within the Univ. and from other centres of learning at home and abroad, and to arrange facilities for advanced study and res. in the relevant subjects.

Membership is granted, without fee, to full-time teachers in Depts. of Germanic Langs. and Lits. of the Univ., postgrad. students engaged on res. in any of these depts., sr. scholars from other Univs., and other persons approved by the Dir. or the Cttee. of Management; undergrads. are admitted for special purposes, such as attendance at seminars or courses held at the Inst.

There are no registered students, or teaching staff.

LIBRARY. A Reference Library is being built up, providing bibliographical and lexicographical material indispensable for res., and critical editions of German, Dutch and Scandinavian authors; 25 periodicals are subscribed to. Sp. Collections: (1) Priebsch Collection, consisting of 2500 vols. of first and early editions of German Classical and Romantic writers, and of translations from German. (2) Library of the English Goethe Soc., consisting of 377 vols. of Goetheana.

PUBLICATION. *Annual Report.*

## THE YEAR 1951–52

In the second year of its existence the Inst. continued the various activities already established, acting as a centre of postgrad. studies and as a meeting-place for scholars in the Germanic field. 11 informal Colloquia were held during the session, of which a number were opened by scholars from abroad. The Library was further increased, particularly in some fields of special interest.

[*Information compiled as at* 28/5/53 ;
*Revised on* 24/9/53.]

# INSTITUTE OF HISTORICAL RESEARCH

Founded 1921

*Postal Address* : The Senate House, London, W.C.1, England.
*Telephone* : Museum 0272, 0273.

DIRECTOR—Professor J. G. EDWARDS, M.A. Oxon. and Manc., D.Litt. Wales and R'dg., F.B.A.

SECRETARY AND LIBRARIAN—A. TAYLOR MILNE, M.A.

## GENERAL INFORMATION

The Inst. of Historical Research is one of the central institutions of the Univ. administered by a Cttee. apptd. annually by the Senate. The Inst. is primarily a laboratory for the trg. of postgrad. students in the methods of historical res., and for the use of visiting scholars while working in London. It consists of a systematically planned series of seminar libraries, equipped with the books containing or describing the main sources of British and foreign hist. The Inst. is open not only to teachers of hist. in the Univ. and their res. students, but also to approved historians, archivists, teachers and res. students from other Univs. Instrucn. is undertaken by the Dir. and members of the Hist. Depts. of the Schools of the Univ. It is normally carried on in (1) a series of prelim. courses dealing with the sources of British, Imperial and foreign hist., introductions to work in archives, and palæography classes ; (2) a series of seminars dealing with sp. historical subjects. In addition, the Inst. is active in promoting the organization of historical studies in general, in undertaking bibliographical and other investigations, the results of which are published in its *Bulletin*, and in arranging conferences.

LIBRARY. 76,097 books, periodicals and pamphlets ; also 721 maps, 810 facsimiles ; also prints and drawings and microfilms.

PUBLICATIONS. *Annual Report* ; *Bulletin* (twice a yr., subs. 15s.) with annual supplements recording " Historical Research for University Degrees in the United Kingdom," and occasional Sp. Supplements. *Victoria History of the Counties of England* (General Editor : R. B. Pugh, M.A. Oxon., F.S.A.), price 3 gs. or 4 gs. per vol. The Univ. publicn., *School of History and Institute of Historical Research*, serves as a handbook to the Inst.

## THE YEAR 1951–52

ADMISSIONS AND COURSES. The no. of persons using the Inst. was 734, including 289 students reading for higher degrees. 36 postgrad. courses and seminars in Hist. were offered.

FELLOWSHIPS. 8 Res. Fellowships tenable at Inst. in 1952–53 were awarded, 4 to Lond. grads., the rest to grads. of Liv., N.U.I., McG. and Penn.

CONFERENCE. The annual Anglo-American Conference of Historians met at the Inst. from July 10 to 12, 1952.

[*Information compiled as at* 6/5/53; *Staff list revised on* 24/9/53.]

# SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES

Founded 1915 as a department of King's College, London; since 1932 a "Central Activity" of the University.

*Postal Address*: University of London, School of Slavonic and East European Studies, London, W.C.1, England.
*Telephone*: Museum 9782/3.

CHAIRMAN OF COUNCIL—Professor F. NORMAN, O.B.E., M.A.

DIRECTOR—G. H. BOLSOVER, O.B.E., Ph.D.

SECRETARY—DOROTHY GALTON.

LIBRARIAN—L. LOEWENSON.

## TEACHING STAFF

*Bulgarian*

Pinto, V. de S. (Jr.), M.A. Oxon., Ph.D. Lectr.

*Czechoslovak*

Mann, S. E., M.A. Brist. Lectr.

*History, Central European*

Betts, R. R., M.A. Oxon. and Birm. Hd. of Dept. and Masaryk Prof.

*History of Danubian Lands*

Auty, Phyllis, B.A., B.Litt. Oxon. Lectr.

*History of Eastern Europe, Economic and Social*

Warriner, Doreen, O.B.E., B.A. Oxon., Ph.D. Lectr.

*History, Russian*

Seton-Watson, G. H. N., M.A. Oxon. Prof.

*Hungarian*

Cushing, G. F., M.A. Camb., Ph.D. Lectr.

*Polish*

Pietrkiewicz, J., Ph.D. 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.

Lecturers

Brodiansky, Nina, B.A. Camb. (Lit.).

Hare, Hon. R., M.A. Oxon. (Lit.).

Hingley, R. F., M.A. Oxon.

Seeley, F. F., M.A. Oxon.

*Russian Economic History*

Crisp, Mrs. Olga, B.A. Asst. Lectr.

*Slavonic Philology, Comparative*

Nandris, G., Ph.D. Cracow Prof.

| | | |
|---|---|---|
| de Bray, R. G. A., B.A. | Lectr. | Panel of Additional Lecturers |
| | | Birnbaum, S. A., Ph.D. (E. European Jewish Studies). |
| *Yugoslav* | | Zernov, N., Ph.D. (Russian Church Hist.). |
| Javarek, Mrs. Vera, B.A. | Lectr. | |

## GENERAL INFORMATION

Established at King's Coll., 1915. Since Aug. 1932 a dept. of the Univ. in Arts. Library, 30,000 vols.

FEES. 4 gs. to 34 gs. per session.

COURSES. Teaching provided for first degrees in the lang., lit. and hist. of Russia and the countries of Eastern and Central Europe (excluding Germany). Special facilities for res. and postgrad. work.

PUBLICATIONS. *Slavonic and East European Review* (twice p.a.). *Prospectus* (each session).

## THE YEAR 1951–52

RESIGNATIONS. W. E. Mosse (Russian Hist.); Helen Rapp (Russian).

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* * |
|---|---|---|
| Men | 240 | 48 |
| Women | 35 | 25 |
| Total | 275 | 73 |

Postgraduate students, 40.

New admissions, 12.

Students (full-time) from other countries, 18. (Countries from which largest numbers came: India, 4; Canada, 3; Persia, 3; U.S.A., 3.)

DEGREES AWARDED. Ph.D., 1; B.A. Hons. (Russian), 18; B.A. Hons. (Polish), 1; B.A. Hons. (Hist. Branch VI), 3.

* *Full-time Students* are those registered as such for Univ. degrees. Among *Part-time Students* are included 17 men and 9 women following courses leading to degrees of the Univ.; the remainder are "occasional" students following language courses in the School.

[*Information compiled as at* 22/5/53 ; *Staff list revised on* 24/9/53.]

# WARBURG INSTITUTE

Incorporated 1944

*Postal Address*: Imperial Institute Buildings, South Kensington, London, S.W.7, England.
*Telephone*: Kensington 9008.

CHAIRMAN OF MANAGEMENT COMMITTEE—Professor EDNA PURDIE, M.A., D.Lit.

DIRECTOR—H. FRANKFORT, Ph.D. Leiden, M.A., F.S.A.

ASSISTANT DIRECTOR—GERTRUD BING, Ph.D. Hamburg.

LIBRARIAN—O. KURZ, Ph.D. Vienna.

PHOTOGRAPHIC COLLECTION: CURATOR—L. D. ETTLINGER, Ph.D. Halle; ADVISER—ENRIQUETA E. HARRIS, Ph.D.

## TEACHING STAFF

*History of Preclassical Antiquity*

The Director — Prof.

*History of the Classical Tradition*

The Assistant Director — Lectr.
Mitchell, C., M.A. Oxon. — Lectr.

*Comparative Literature*

Yates, Frances A., M.A. — Lectr.

*History of Art*

Buchthal, H., Ph.D. Hamburg — Reader.
Gombrich, E. H. J., Ph.D. Vienna, M.A. Oxon. — Lectr.
Wittkower, R., Ph.D. Berl. — Pt.-time Lectr.
Swarzenski, P. T. J., Ph.D. Bonn — Pt.-time Lectr.

## GENERAL INFORMATION

The object of the Inst. is to provide facilities for res. on the Character and Hist. of the Classical Tradition. Its scope includes the Hist. of Thought and Lit., of Religion and Sciences, of Social Institutions, the Arts, etc., and it covers the Western and Near Eastern civilizations. The *Library* contains about 100,000 vols. (including offprints) and 820 runs of periodicals. The *Photographic Collection* (about 200,000) includes sections on the survival of classical types, on mythol., symbolism, social activities, etc.

PUBLICATIONS. *Annual Report*; *Studies of the Warburg Institute*; *Corpus Platonicum Medii Aevi*; *The Journal of the Warburg and Courtauld Institutes*; *Mediæval and Renaissance Studies.*

## THE YEAR 1951–52

STUDENT NUMBERS (Postgraduate).

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 3 |
| Women | .. | 2 |
| Total | .. | 5 |

One full-time overseas student (from Germany).

DEGREES. Ph.D. (Arts), 2.

# *NON-MEDICAL SCHOOLS*

[*Information compiled as at* 28/5/53 ;
*Staff list revised on* 24/9/53.]

## BEDFORD COLLEGE *

Founded 1849; incorporated 1909

*Postal Address* : Inner Circle, Regent's Park, London, N.W.1, England.
*Telegrams* : Edforcoll, Norwest, London.
*Telephone* : Welbeck 5743.

PATRONESS—HER MAJESTY QUEEN ELIZABETH THE QUEEN MOTHER.
VISITOR—.....
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.L.A.

### TEACHING STAFF

*Botany*

Audus, L. J., M.A., Ph.D. Camb. Hildred Carlile Prof.
Jones, W. Neilson, M.A. Camb. Emer. Prof.
Sharman, B. C., Ph.D. Leeds Lectr.
Rose, F., B.Sc. Lectr.
Menzies, Barbara P., M.Sc. N.Z., Ph.D. Camb. Asst. Lectr.
Bentley, Linna E., B.Sc. Manc. Asst. Lectr.

*Chemistry*

Turner, E. E., M.A. Camb., D.Sc., F.R.I.C., F.R.S. Prof.
Smith, J. W., D.Sc., F.R.I.C. Reader.
Lesslie, Mary S., M.A., B.Sc., Ph.D. St. And., D.Sc. Sr. Lectr.
Trew, Violet C. G., B.Sc., Ph.D. Sr. Lectr.
Harris, Mrs. Margaret M., B.Sc., Ph.D. Pt.-time Lectr.
Hall, D. Muriel, B.Sc., Ph.D. Lectr.
Hargreaves, M. K., M.A. Camb., Ph.D. Asst. Lectr.
Longstaff, Jean V. L., B.Sc. Asst. Lectr.

*Classics*

Stevens, P. T., M.A. Oxon., Ph.D. Aberd. (Gk.) Prof.
Onians, R. B., M.A. Liv., Ph.D. Camb. (Lat.) Hildred Carlile Prof.

* For women.

Cary, M., M.A., D.Litt. Oxon. (Anc. Hist.) Emer. Prof.
Ehrenberg, V. L., Ph.D. Tübingen (Anc. Hist.) Reader.
Andrewes, Margaret, M.A. (Lat.) Sr. Lectr.
Holley, Nan M., M.A. Camb. (Gk.) Lectr.
Wilkinson, Mrs. Gillian A., M.A. Camb. (Lat.) Lectr.
Brouard, J., B.A. (Lat.) Pt.-time Asst. Lectr.
Ashworth, W. D., M.A. St. And., B.A. Oxon. (Lat.) Asst. Lectr.
.....

*Dutch*

Weevers, T., Lit.D. Leiden (Lang. and Lit.) Prof.
Huysinga, Aletta, Lit. Docta. Amst. Lectr

*Economics*, v. Social Studies

*English*

Ellis-Fermor, Una M., M.A., B.Litt. Oxon., D.Lit. (E. Lit.) Hildred Carlile Prof.
Thomas, P. G., M.A. Camb., M.A., Litt.D. Liv. Emer. Prof.
Tillotson, Mrs. Kathleen M., M.A., B.Litt. Oxon. (E. Lit.) Reader
Hodgson, Phyllis, M.A. Camb., B.Litt., D.Phil. Oxon., B.A. (E. Lang.) Reader.
Latham, Agnes M. C., M.A., B.Litt. Oxon. Lectr.
Ridley, M. R., M.A. Oxon. Pt.-time Lectr.
Britton, G. C., M.A. Birm. Lectr.
Johnston, A., B.A. Oxon. Asst. Lectr.

*French Language and Literature*

Spink, J. S., M.A. Leeds, D. de l'U. Paris Prof.
Eccles, F. Y., M.A. Oxon. Emer. Prof.
Legros, R. P., M.A. Edin. and Oxon. Reader.
Murray, Jessie, M.A. St. And., D. de l'U. Paris Reader.
Le Breton, Mrs. Eileen, L. ès L. Lille, D. de l'U. Paris, M.A. Lectr.
Laycock, Mrs. Blanche E., L. ès L. Paris Pt.-time Asst. Lectr.

*Geography*

Manley, G., M.A. Camb., M.Sc. Manc. Prof.
Smee, Dora K., M.A., Ph.D. Sr. Lectr.

Lecturers

Timberlake, Eunice M., B.Sc.
Mountjoy, A. B., M.C., M.A. R'dg.
Vollans, Eleanor C., M.A., B.Litt. Oxon.
Clark, Jean M., B.A. Camb. Asst. Lectr.

*Geology*

Hawkes, L., D.Sc. Durh., F.R.S., F.G.S. Prof.
Holland, C. H., B.Sc. Manc. Lectr.
..... Asst. Lectr.

*German*

Purdie, Edna, M.A. Liv., D.Lit. Prof.
Walshe, M. O'C., M.A. Reader.
Atkinson, Margaret E., M.A. Lectr.
..... 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.

Assistant Lecturers

Burton, I. F., B.A. Belf.

Lawrence, C. H., B.A. Oxon.
Anderson, Mary A., M.A.

*Italian*

Dionisotti, C., M.A. Oxon. Prof.
Thorne, Mrs. Elizabeth, Ph.D. Lectr.

*Mathematics*

Bailey, W. N., M.A., Sc.D. Camb., D.Sc. Manc., M.Sc. Prof.
Simpson, H., M.A., D.Sc. Oxon. Emer. Prof.
Clark, G. L., M.A., Ph.D. Camb. Reader.
Kneebone, G. T., M.Sc., Ph.D. Lectr.
Fowler, Mrs. Enid, Math. Trip. Camb., M.A. Pt.-time Lectr.
Sargent, Winifred L. C., M.A. Camb., Ph.D. Lectr.
Taylor, R. G., Ph.D. Leeds Asst. Lectr.
Chalk, J. H., Ph.D. Asst. Lectr.

*Philosophy*

Acton, H. B., M.A., D.Phil. Oxon. Prof.
Macdonald, Margaret, M.A. Camb., Ph.D. Lectr.

*Physics*

Flint, H. T., M.Sc. Birm., Ph.D., D.Sc. Hildred Carlile Prof.
Wilson, W., Ph.D. Leip., D.Sc., F.R.S. Emer. Prof.
Little, V. I., B.Sc., Ph.D. Lectr.
Williamson, E. Marjorie, M.Sc., Ph.D. Lectr.
Mansfield, R., B.Sc., Ph.D. Lectr.
Manuel, A. J., B.Sc. Asst. Lectr.
Hill, Nora E., B.Sc. Asst. Lectr.

*Physiology*

Murray, Margaret, M.A., D.Sc. Prof.
Edkins, Mrs. Nora, D.Sc. Sp. Pt.-time Lectr.
Cheesman, D. F., Ph.D. Lectr.
Stratmann, Mrs. Elizabeth L., M.Sc. Melb. Asst. Lectr.
Darlow, G., B.Sc. Asst. Lectr.
Bond, Audrey M. Demr.

*Psychology*

Harding, D. W., M.A. Camb. Prof.
Wynn Reeves Joan, Ph.D. Lectr.
Forrest, D. W., B.A. Oxon. Asst. Lectr.
Lawlor, Monica, B.A. Asst. Lectr.

*Social Studies and Economics*

..... Prof.
Williams, Mrs. Gertrude, B.A. Manc. (Social Econ.) Reader.
Pinchbeck, Ivy, M.A., Ph.D. Sr. Lectr.
McGregor, O. R., B.Sc. (Econ.) Lectr.
Rooff, Madeline M., B.A. Tutor.
McIntosh, Mrs. Marjorie, B.A. Oxon. Tutor.
.....
Wootton, Mrs. Barbara, M.A. Camb. Nuffield Res. Fellow.

*Zoology*

Fox, H. Munro, M.A. Camb., F.R.S. Prof.
Ince, Frances E., M.Sc. Sr. Lectr.
Gilchrist, Barbara M., B.Sc. Lectr.
Parry, Gwyneth D., M.Sc. N.Z. Asst. Lectr.
Green, J., B.Sc. Asst. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Dean of Reid Hall: Phyllis Hodgson, M.A. Camb., B.Litt., D.Phil. Oxon., B.A. Wardens: Mary S. Crewdson, M.Sc.; Mrs. Evelyn Stayt.

## GENERAL INFORMATION

A School of the Univ. in Arts, Sci. and Econs. Founded in 1849 by Mrs. Elisabeth Jesser Reid at 47 Bedford Square, W.C.1, as an undenominational Coll. for Women; moved to Baker St. in 1874 and to its present site in Regent's Park in 1913, when the new bldgs. were opened by H.M. Queen Mary. From 1881 students were prepared for the examns. of the Univ. of London, which had opened its degrees to women in 1878. In 1900 the Coll. was recognized by the Univ. of London in the Facs. of Arts and Sci. and in 1912 the first Univ. Chair tenable at the Coll. was instituted in Maths. Further bldgs. were added after the 1914–18 war to accomm. increased nos. of students and in 1931 H.M. Queen Mary opened Tuke Bldg., designed for several of the Arts Depts. and providing labs. for the Depts. of Chem. and Phys. Academic development continued steadily, and by 1939 15 of the Depts., and by 1948 all Depts., were under the headship of Profs. of the Univ. From 1939 to 1944 the Coll. was evacuated to Cambridge, and during this period the bldgs. in London were seriously damaged by enemy action. The reconstruction of the war-damaged bldgs. started in 1947 and was completed in April 1952. In 1949 the Coll. celebrated its Centenary.

Students are prepared for all examns. of the Univ. of London in Arts and Sci., for the B.Sc. (Sociol.) degree in the Fac. of Econs. and for the Coll. Certif. in Social Studies.

CONSTITUTION. Governed by Governors and Council which includes representatives of the Univ., the L.C.C. and the College Staff.

FACULTIES AND DEANS (1953–54). *Arts*, Prof. T. Weevers (Dutch); *Science*, Prof. L. J. Audus (Bot.).

LIBRARY. 100,000 vols. (not including pamphlets).

LABORATORIES. Bot., Chem., Geol., Phys., Physiol., Psychol. and Zool.

OBSERVATORY. Grub 7-in. telescope, equatorially mounted.

ADMISSION. Minimum age for admission, 18.

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.

FACILITIES FOR RESEARCH in all Depts.

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

GRADUATES' ASSOCIATION. Bedford College Old Students' Association.

STUDENT RESIDENCES. Reid Hall, Regent's Park, N.W.1 (*Telephone*: Welbeck 5743); £132 p.a.; 120 students. Lindsell Hall, 25-35 Adamson Rd., N.W.3 (*Telephone*: Primrose 2770); £115 : 15s. p.a.; 84 students. Hanover Lodge, 150 Park Rd., N.W.8 (*Telephone*: Ambassador 5163); £132 p.a.; 30 students. All residences for women only. Fees liable to alteration at any time.

STUDENTS UNIONS. Students' Union Society and Athletic Union.

PUBLICATIONS. *Calendar*, post free, 3s. 6d.; *Prospectus*, free; *History of Bedford College for Women, 1849–1937*, by M. J. Tuke (O.U.P., 1939; obtainable from Bedford College, 2s. 6d. post free); *Bedford News* (Students).

## THE YEAR 1951–52

BENEFACTIONS. Residue of estate of Miss B. E. Clay (approximately £6500) for endowment of Scholps.

BUILDINGS. Reconstruction of Darwin Building (last of the war-damaged buildings) completed.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. Morris Lazerowitz under the Fulbright Scheme.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. V. L. Ehrenberg, to Austria.

RETIREMENTS. Prof. G. R. Turquet (French Lang. and Lit.); Dr. I. M. Massey (German).

RESIGNATION. N. F. Hughes (Geol.), apptd. Lectr. at Univ. of Camb.

DEATHS. The Rt. Hon. Lord Macmillan, Visitor of the College 1948–52; Mrs. Holland Crompton, Governor 1909–51; Miss H. Martindale, Governor 1920–52; Dr. R. R. Reid, Governor 1935–52.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 7 | 27 |
| Women | 25 | 701 |
| Total | 32 | 728 |

Postgraduate students, 91.

New admissions, 220.

Students (full-time) from other countries, 34. (Countries from which largest numbers came: India, 8; U.S.A., 6; Canada, 3.)

DEGREES AWARDED. *Arts*: B.A., 132; M.A., 4; Ph.D. (Arts), 3. *Science*: B.Sc., 68; M.Sc., 2; Ph.D. (Science), 4; D.Sc., 1.

CERTIFICATES AWARDED. Bedford College Certificate, 49.

[*Information compiled as at* 8/6/53 ;
*Staff list revised on* 24/9/53.]

# BIRKBECK COLLEGE

Founded 1823

*Postal Address* : Malet Street, London, W.C.1, England.
*Telephone* : Langham 7941.

PATRON—H.M. QUEEN ELIZABETH THE QUEEN MOTHER.

PRESIDENT OF THE COLLEGE—The Right Hon. THE LORD JUSTICE DENNING.

CHAIRMAN OF THE GOVERNORS—Deputy ALFRED KING-HAMILTON.

MASTER—J. F. LOCKWOOD, M.A. Oxon., Ph.D.

CLERK TO THE GOVERNORS—A. J. CARAFFI, B.Sc.

REGISTRAR AND SENIOR TUTOR—DOUGLAS DAKIN, M.A. Camb., Ph.D., F.R.Hist.S.

LIBRARIAN—JOSEPH W. SCOTT, B.A. Leeds.

## TEACHING STAFF

*Botany*

Ingold, C. T., D.Sc. Belf., F.L.S. Prof.*
..... Reader.

Lecturers

Wilson, K., M.Sc., Ph.D.
Plunkett, B. E., B.Sc., Ph.D.
Alvin, K. L., B.Sc.
Cunnell, C. J., B.Sc.

*Chemistry*

Wardlaw, W., C.B.E., D.Sc. Durh., F.R.I.C. (Phys. C.) Prof.*
Barton, D. H. R., D.Sc., Ph.D., F.R.I.C. (Org. C.) Prof.
Ives, D. J. G., D.Sc., Ph.D., F.R.I.C. Reader.

Lecturers

Pittman, R. W., B.Sc., Ph.D.
Rigby, W., B.Sc., Ph.D.
Cookson, R. C., B.A., Ph.D. Camb.
Taylor, A. J., B.Sc., Ph.D.
Bradley, D. C., B.Sc., Ph.D.
Overton, K. H., B.Sc., B.Pharm.
Ladbury, J. W., B.Sc.
Shaw, R. A., B.Sc.

*Classics and Ancient History*

Warmington, E. H., M.A. Camb., F.R.Hist.S. Prof.*
Webster, Amy M. D., M.A. Oxon. Reader.

Lecturers

Way, A. G., M.A.
de Ste.-Croix, G. E. M., B.A.†

*Dutch*

Weevers, T., Lit.D. Leiden Prof.
Huysinga, Aletta, Lit. Docta. Amst. Lectr.†

*English Lang. and Lit.*

Tillotson, G., M.A., B.Litt. Oxon. (Lit.) Prof.*
Daunt, B. Marjorie, M.A. Oxon. Reader.

* Head of Dept.

† Pt -time Lectr.

Lecturers
Freeman, Rosemary, M.A., Ph.D. Camb.
Brooks, H. F., M.A., B.Litt., D.Phil. Oxon.
Evison, Vera I., B.A.
Hardy, Barbara G., M.A.
Davidson, Hilda, B.A., Ph.D. Camb.†

*French Lang. and Lit.*
Taylor, A. C., B.A. Syd., D. de l'U., D. ès L. Paris Prof.*
Ross, D. J. A., B.A. Camb., M.A., Ph.D. Reader.

Lecturers
Aubry, Alice, L. ès L. Clermont-Ferrand, Ph.D.
Gould, Mrs. Marjorie, B.A.
Fearn, Marguerite-Liliane, L. ès L., B.A.
Curra, Henriette, M.A. St. And., B.A.†

*Geography*
East, W. G., M.A. Camb. Prof.*
Moodie, A. E. F., B.A., Ph.D. Reader.

Lecturers
Henderson, H. C. K., M.A., B.Sc. Glas., Ph.D.
Campbell, Eila M. J., M.A.
Dury, G., M.A., Ph.D.
Chandler, T. J., B.Sc.

*Geology*
Dollar, A. T. J., Ph.D. Camb., B.Sc., F.G.S. Reader.*
Seager, A. F., B.Sc., Ph.D., F.G.S. Lectr.
..... Lectr.

*German*
McClean, R. J., Dr.phil. Königsberg, M.A. Prof.*
Robson-Scott, W. D., M.A. Oxon., Dr.phil. Vienna Lectr.
Hamilton, Johanna, Dr.phil. Bonn Lectr.

*History*
Darlington, R. R., Ph.D. R'dg., B.A., F.R.Hist.S., F.S.A. Prof.*
Ruddock, Alwyn A., B.A., Ph.D., F.R.Hist.S. Reader.

Lecturers
Dakin, D., M.A. Camb., Ph.D., F.R.Hist.S.
Hobsbawm, E. J., M.A., Ph.D. Camb.
Drus, Ethel, M.A. Cape T.
Saltman, Avrom, M.A. Camb., Ph.D.
Gibbs, G. C., B.A. Liv.

*History of Art*
Lecturers
Pevsner, N. B. L., C.B.E., M.A. Camb., Ph.D. Leipzig, F.S.A.*†
Summerson, J., C.B.E., M.A., F.S.A.†
Murray, P., B.A.†

*Italian*
Bassani, A. M., D.Sc. Naples Lectr.*

*Mathematics, Pure and Applied*
Offord, A. C., Ph.D. Lond. and Camb., D.Sc., F.R.S. Prof.*
Cooke, R. G., D.Sc. Reader.
Dowker, C. H., B.A. W.Ont., M.A. Tor., Ph.D. Prin. Reader

Lecturers
Vermes, P., B.Sc., Ph.D.
Tiffen, R. W., M.Sc., Ph.D.
Edwards, R. E., B.Sc. Manc., Ph.D.
Ingleton, A. W., B.Sc., Ph.D.
Edge, J., B.A. Camb., B.Sc.
Higgins, P. J., B.A. Camb.
Gattegno, C., D.E.S. Marseilles, Dr.Phil. Basle, D. ès L. Lille, M.A.†

* Head of Dept.

† Pt.-time Lectr.

*Philosophy, Logic and Ethics*

..... Reader.
Saw, Ruth L., B.A., Ph.D. Lectr.
Peters, R. S., B.A. Oxon., B.A., Ph.D. Lectr.

*Physics*

Bernal, J. D., M.A. Camb., F.R.S. Prof.*
Fürth, R., Dr.Phil. Prague, F.I.P. (Theoret. P.) Reader.
Ehrenberg, W., Ph.D. Heidel., D.Sc., F.I.P. Reader.

Lecturers

Siday, R. E., B.Sc.
Cusack, N. E., B.Sc., Ph.D.
Humphreys-Owen, S. P. F., Ph.D.
Booth, A. D., D.Sc., Ph.D.
Carlisle, C. H., M.Sc. Luck., D.Phil. Oxon.
Jeffery, J. W., B.A. Camb., Ph.D.
Trent, P., B.Sc., Ph.D.
Jennings, J. C. E., B.Sc., Ph.D.
Michaelis, E. G., B.Sc.
Ehrenberg, Mrs. Marianne, M.Sc.
Mackay, A. L., B.A. Camb., B.Sc., Ph.D.

*Psychology*

Mace, C. A., M.A. Camb., D.Lit. Prof.*
Rodger, A., M.A. Camb. Reader.

Lecturers

Foss, B., M.A. Oxon. and Camb.
Veness, Thelma, B.A.
Hurwitz, H. M. B., B.A. Rand.
Bartlett, R. J., M.Sc.†
Hadfield, J. A., M.A. Oxon., M.B., Ch.B. Edin.†
Smith, May, O.B.E., M.A. Manc., D.Sc.†
Middleton, J. F. M., B.A., B.Sc. Oxon. (Anthropology) Lectr.†

*Spanish*

Sage, J. W., B.A. Lectr.*
Salazar, A. M., Ldo en Historia Sev. Lectr.†

*Zoology*

Bullough, W. S., Ph.D., D.Sc. Leeds Prof.*
Fretter, Vera, D.Sc., Ph.D. Reader.

Lecturers

Hughes, T. E., M.A. Oxon.
Parry, Helen, M.Sc. Wales.
Whittington, B., Ph.D. Sheff.
Laurence, B. R., B.Sc.

## ADMINISTRATIVE AND OTHER STAFF

Bursar, J. W. Spershott; Deputy Librarian, Norah H. Evans, B.A., F.L.A.; Deputy Registrar, Eleanor M. Robertson; Maintenance Officer, Mrs. P. M. Costello.

## GENERAL INFORMATION

Founded by Dr. George Birkbeck in 1823 "for the purpose of giving education to students in the principles of the Arts they practise, and in the various branches of Science and useful knowledge." The principal aim of the College is to enable men and women engaged in full-time occupations during the day to employ their leisure in reading for first degrees in Arts and Pure Science or to engage in research with a view to higher degrees in these Faculties. While the College is primarily intended for evening and part-time students, undergraduates may in their final year be admitted to full-time study and

* Head of Dept. † Pt.-time Lectr.

postgraduate students wishing to devote the whole of their time to their researches are also accepted.

FACULTIES AND DEANS. *Arts*, B. Marjorie Daunt (Engl.); *Science*, Prof. J. D. Bernal (Phys.).

LIBRARY. General Library, 50,000 vols. R. C. Trevelyan Memorial Library, 4500 vols.

COURSES. Complete courses for first degrees in Arts and Science and for the Academic Postgrad. Dipl. in Psychol.

ADVANCED STUDIES. Research facilities are offered to full-time and part-time students in the Departments of both Facs.

FEES. Annual Composition fees, including subscription to Students' Union: Arts (including Maths. in both Facs.), £11. Sci. (incl. Geog. and Psychol. in both Facs.), £13 : 10s. Postgrad. work, evening and pt.-time, £5-£11; whole time, £7 : 10s.-£22, according to Fac. and Degree.

PUBLICATIONS. *Prospectus* (post free); *Calendar*, 2s. 6d.; *Report* (annual); *Haldane Memorial Lecture*, 1s. 6d.; *Foundation Oration*; *Inaugural Lectures*, 1s. 6d.; *Inter-Faculty Lectures*, 1s. 6d.; *Lodestone*, 6d. (Students, terminally).

## THE YEAR 1951–52

BUILDINGS. The removal from the old premises in the City to the new building in Malet St. was completed in the early autumn of 1951 and the process of settling in continued over much of the early part of the session. Owing to the absence in the new building of lecture rooms for the Fac. of Arts the benefit has accrued almost entirely to the Fac. of Science, to the Depts. of Geog. and Psychol. (which are common to both Facs.), and to the Library. Accommodation for lectures in the Fac. of Arts was generously provided by the Inst. of Education, the Sch. of Oriental and African Studies, the Sch. of Slavonic and East European Studies, the London Sch. of Hygiene and Tropical Medicine and the Senate House.

The construction of an assembly hall to seat 200 was begun during the year.

ANNIVERSARY. The 128th anniversary of the foundation of the Coll. was celebrated on April 23, 1952, when the oration was delivered by Sir Maurice Bowra, Vice-Chancellor of the University of Oxford, who spoke on "The Study of Literature."

OTHER EVENTS. Dr. A. L. Goodhart, Master of University Coll., Oxford, delivered the Haldane Memorial Lecture, his subject being "The Purpose of a University."

On January 31, 1952, Dame Helen Gwynne-Vaughan, G.B.E., opened the Gwynne-Vaughan Research Lab. which commemorates the work done by her late husband and herself in the Dept. of Botany.

RETIREMENTS. G. F. Troup Horne, Clerk to the Governors 1919–52; Dr. H. R. Nettleton (Phys.); Dr. L. F. Spath (Geol.).

RESIGNATIONS. Prof. A. Graham (Zool.), apptd. Prof. of Zool. in Univ. of Reading; Dr. J. Cohen (Psychol.), apptd. Prof. of Psychol. in Univ. of Manchester.

DEATH. Dr. Paul Dienes, formerly Prof. of Maths.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 999 | 60 |
| Women | 491 | 28 |
| Total | 1490 | 88 |

Postgraduate students, 364.
New admissions, 445.
Students (full-time and part-time) from other countries, 53. (Countries from which largest numbers came: British W. Africa, 13; India, 9; British W. Indies, 8; Egypt, 7; U.S.A., 4.)

DEGREES. *Arts*: B.A., 89; M.A., 6; Ph.D. (Arts), 8. *Science*: B.Sc., 85; M.Sc., 12; Ph.D. (Sci.), 13.

[*Information compiled as at* 22/5/53; *Staff list revised on* 24/9/53.]

# IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1907

*Postal Address*: Prince Consort Road, S. Kensington, London, S.W.7, England.
*Telephone*: Kensington 4861.

VISITOR—H.M. THE QUEEN.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon. THE VISCOUNT FALMOUTH.

RECTOR—Sir RODERIC HILL, K.C.B., M.C., A.F.C., M.A.

PRO-RECTOR—Professor H. H. READ, D.Sc., F.G.S., F.R.S.

DEAN OF THE ROYAL COLLEGE OF SCIENCE—Professor R. P. LINSTEAD, C.B.E., A.M. Harv., D.Sc., Ph.D.

DEAN OF THE CITY AND GUILDS COLLEGE—Professor A. J. S. PIPPARD, M.B.E., D.Sc., F.R.Ae.S.

DEAN OF THE ROYAL SCHOOL OF MINES—Professor D. WILLIAMS, D.Sc., Ph.D., B.Eng., D.I.C., F.G.S.

CLERK TO THE GOVERNORS (Secretary of the Imperial College)—G. C. LOWRY, O.B.E., T.D., M.A. Camb.

ASST. SECRETARY AND REGISTRAR—E. F. CUTCLIFFE, M.B.E., B.A. Oxon.

FINANCIAL SECRETARY—J. M. CORIN, B.A. Camb.

## TEACHING STAFF

*Aeronautics*

Squire, H. B., M.A. Oxon. Zaharoff Prof. and Hd. of Dept.
Hadji-Argyris, J., D.E. Munich Reader.

Lecturers

.....
Fink, P. T., B.Eng. (Ae.) Syd.
Irving, F. G., M.Eng. Liv., D.I.C.
Kelsey, S., B.Sc. (Eng.).
Langley, M., F.R.Ae.S. Sp. Lectr.

*Bacteriology*, v. Bot.

*Biochemistry*, v. Bot.

*Biology*, v. Bot., Zool.

*Botany*

..... (Plant Pathol.) Prof. and Hd. of Dept.
Gregory, F. G., D.Sc., D.I.C., F.R.S. (Plant Physiol.) Prof.
Buston, H. W., D.Sc., D.I.C. (Biochem.) Reader.
Jacobs, S. E., D.Sc. (Bacteriol.) Reader.
Howarth, F., B.Sc., F.L.S. Sr. Lectr.

Lecturers

Pratt, Clara A., M.A. Camb., Ph.D., D.I.C., F.L.S.
Rutter, A. J., Ph.D.
Wood, R. K. S., B.Sc., Ph.D.
Levy, J. F., B.Sc.
Lacey, Margaret S., D.Sc.
Spanner, D. C., B.Sc. Asst. Lectr.
Russell, J., B.Sc., Ph.D. Asst. Lectr.
Mount, Sheila M., B.Sc. Asst. Lectr.
Smieton, Margaret J., B.Sc. Asst. Lectr.
Heath, O. V. S., D.Sc., Ph.D., D.I.C. Sp. Lectr.
Stedman, Kathleen, B.Sc. Asst. Lectr.
Dadd, A. H., Ph.D. Asst. Lectr.
Madelin, M. F., B.Sc. Demr.

*Chemical Engineering and Applied Chemistry*

Newitt, D. M., M.C., D.Sc., Ph.D., D.I.C., F.R.S.
Courtaulds Prof. of Chem. E. and Hd. of Dept.
Himus, G. W., Ph.D., D.I.C., F.I.F. (Fuel Technol.) Reader.
Coulson, J. M., M.A. Camb., Ph.D., D.I.C. Reader.

Lecturers

Barrett, L. R., B.A., B.Sc., M.S. Ill.
Wilman, H., Ph.D., D.I.C., F.I.P.
Burgoyne, J. H., D.Sc., Ph.D., D.I.C.
Richardson, J. F., B.Sc. (Eng.).
Strickland-Constable, R., M.A., D.Phil. Oxon.
Haselden, G. G., Ph.D.
Anderson, G. H., B.Sc.
Weale, K. E., Ph.D.
Minkoff, G. J., Ph.D., D.I.C.
Bett, K. E., B.Sc. Asst. Lectr.
Glover, K. W., B.Sc. Demr.
Saunders, H. L., Ph.D. Liv. Sp. Lectr.

*Chemistry*

Briscoe, H. V. A., D.Sc., D.I.C., F.R.I.C.
(Inorg. C.) Prof., Dir. of Inorg. and Phys. Chem. Labs.
Linstead, R. P., C.B.E., A.M. Harv., D.Sc., Ph.D.
(Org. C.) Prof. and Dir. of Org. Ch. Labs.
Eldridge, A. A., B.Sc., F.R.I.C. Asst. Dir.

Readers

Theobald, L. S., M.Sc., F.R.I.C. (Analyt. C.).
Tompkins, F. C., D.Sc., Ph.D. Brist. (Phys. C.).

.....

Welch, A. J. E., Ph.D., D.I.C. (Inorg. C.).
Braude, E. A., D.Sc.
Owen, L. N., D.Sc., F.R.I.C.

Senior Lecturers

Eldridge, A. A., B.Sc., F.R.I.C. (Inorg. Ch. and Food and Drugs).
Pollard, A. G., B.Sc., F.R.I.C.

Lecturers

Bull, P. C., D.S.O.
Roberts, E. R., Ph.D., D.I.C.
Kitchener, J. A., Ph.D.
Carlton, Margaret, Ph.D.
Hannen, J. T., M.A.
Weedon, B. C. L., Ph.D., D.I.C.
Elvidge, J. A., Ph.D., D.I.C.
Bockris, J. O'M., Ph.D.
Herringshaw, J. F., Ph.D.
Atkinson, B., Ph.D., B.Sc.
Cullis, C. F., M.A., D.Phil. Oxon.
Cornfield, A. H., Ph.D., D.I.C.
David, I., B.Sc.
Hills, G. J., Ph.D.
Jacobs, P. W. M., M.Sc.
Crombie, L., Ph.D.
Dalziel, J. A. W., B.Sc.

Assistant Lecturers

Timmons, C. J., Ph.D.

Whalley, Margaret, Ph.D.
Jackman, L. M., Ph.D. Adel.
Young, L., M.A., Ph.D.

*Engineering, Civil*

Pippard, A. J. S., M.B.E., D.Sc., F.R.Ae.S.
Prof. and Hd. of Dept.
Baker, A. L. L., B.Tech.
(Concrete Technol.) Prof.
White, C. M., D.Sc. (Eng.), Ph.D.
(Fluid Mechanics and Hydraulic Engin.)
Prof.

Readers

Skempton, A. W., M.Sc. (Eng.), D.I.C.
Sparkes, S. R., M.Sc. Brist., Ph.D., D.I.C.
Stephenson, A., O.B.E., M.A. Camb.
Manton, B. G., B.Sc. (Eng.), D.I.C.
Bruce, F. E., M.Sc. (Eng.).
Ashby, R. J., M.Sc. (Eng.), D.I.C.

Lecturers

Wolf, P. O., B.Sc. (Eng.).
Francis, J. R. D., B.Sc. (Eng.).
Ainsworth, H., M.A. Camb.
Bishop, A. W., M.A. Camb.
Chitty, Letitia, M.A., D.I.C., F.R.Ae.S.
Henderson, J. C. de C., D.I.C.
Brown, E. H., B.Sc.
Henkel, D. J., B.Sc.
Kent, D. A., B.A.
Makowski, Z. S., Dip.Eng.

Assistant Lecturers

Cassell, A. C., B.Sc. (Eng.).
Mattock, A. H., M.Sc.

*Engineering, Electrical*

..... Prof. and Hd. of Dept.

Readers

Gabor, D., Dr.Ing. Berl.
Cherry, E. C., D.Sc. (Eng.).
Adkins, B., M.A. Camb.
Humphrey Davies, M. W., M.Sc. Wales.

Senior Lecturers

Urwin, C. R.
Hopkin, D. W.
Tombs, D. M., M.Sc. (Eng.), D.I.C.

Lecturers

Kayser, H. D., M.Sc.
Park, H. E.
Rutenberg, D., B.Sc.
Jackson, E. H. T.
Boothroyd, A. R., B.Sc.
Lamb, J., Ph.D., M.Sc.
Prigmore, B. J., M.A. Camb.
Westcott, J. H., B.Sc.
Brown, J., M.A. Edin.
Bright, A. W., Ph.D.
Carpenter, C. J., M.Sc.
Slemon, G. R., M.A.Sc. Tor.
Asst. Lectr.

Special Lecturers

Mortlock, J. R., Ph.D.
Saxton, J. A., Ph.D.
Page, H., M.Sc.

*Engineering, Mechanical*

Saunders, O. A., M.A. Camb., D.Sc. (Eng.), F.I.P.
Prof. and Hd. of Dept.
Ford, H., D.Sc. (Eng.), Ph.D.
(Appl. Mech.) Prof.

Readers

Heywood, H., D.Sc. (Eng.), Ph.D.
Fishenden, Mrs. Margaret, D.Sc., F.I.P.
Glaister, E. E., Ph.D., M.Sc. (Eng.), D.I.C.
Smith, A. C., B.Sc.

Senior Lecturers

Dyson, F., B.Sc. (Eng.).
Collins, W., B.Sc. (Eng.).
Cawley, G. M.
James, J. W., Ph.D., D.I.C.

Lecturers

Lewitt, E. H., Ph.D.
Hoyle, R. D., B.A. Camb.
Treharne, T. L. G., B.Sc. (Eng.).
Beal, A. E.
Chalk, J. T., M.Sc.

Moore, N. P. W., B.Sc. (Eng.).
Grootenhuis, P., B.Sc. (Eng.).
Cole, E. H., B.Sc. (Eng.).
Tyler, R. D., B.Sc. (Eng.).
Benham, P., M.Sc. Belf.
Dallender, J. A., B.Sc. (Eng.).

Assistant Lecturers

Peerless, S. J., B.Sc.
Turner, C. E., B.Sc.
Ellis, F., B.Sc.

Special Lecturers

Rowell, H. S., O.B.E., D.Sc.
Pepper, K. W., Ph.D., B.Sc.

*Entomology*, v. Zoology

*Fuel*, v. Chemical Engin. and Applied Chemistry

*Geology*

Williams, D., Ph.D., M.Sc., B.Eng., D.I.C., F.G.S. (Mining Geol.) Prof., in charge of Admin. Geol. Dept.
Read, H. H., D.Sc., F.G.S., F.R.S. (Geol.) Prof., in charge of dir. of Geol. res.
Illing, V. C., M.A. Camb., F.R.S. Prof. of Geol. (Oil Technol.).
Wilson, G., M.Sc., Ph.D., D.I.C., F.G.S. Reader.
Blyth, F. G. H., Ph.D., D.I.C., F.G.S. Sr. Lectr.

Lecturers

Coomber, S. E., B.Sc.
Hobson, G. D., Ph.D., D.I.C.
Jones, F., T.D., Ph.D., M.Sc., F.G.S.
Webb, J. S., Ph.D., D.I.C.
Sutton, J., B.Sc.
Pitcher, W. S., B.Sc., F.G.S.
Thomas, G., B.Sc.
Carter, D. J., D.F.C., B.Sc.
Millman, A. P., B.Sc.
Shearman, D. J., B.Sc., F.G.S.

Assistant Lecturers

Walker, G. P. L., M.Sc.
Fothergill, C. A., B.Sc.
Ager, D. V., B.Sc.
Cheesman, R. L., M.C., F.G.S.
Ross, J. V., B.Sc.

*Geophysics, Applied*, v. Physics

*Mathematics*

Levy, H., M.A., D.Sc. Oxon., D.Sc. Edin. Prof. and Hd. of Dept.
Jones, H., Ph.D. Leeds and Camb., F.R.S. Prof.

Readers

Kebby, C. H., M.Sc.
Barnard, G. A., M.A. Camb.
Allen, D. N. de G., M.A. Oxon.
Roth, L., M.A. Camb.
Whitrow, G. J., M.A., D.Phil. Oxon.

Senior Lecturer

Hatley, A. J., M.A.

Lecturers

Preidel, E. E., M.Sc.
Lloyd, E. H., Ph.D., D.I.C.
Talbot, A., M.A. Camb.
Mautner, A. J., B.Sc.
Tocher, K. D., B.Sc., Ph.D.
Rushton, S., M.A. Oxon., B.Sc., D.I.C.
Hepner, W. A., Ph.D. Edin.
Gordon, A. N., M.Sc., Ph.D.
Fairbrother, H., B.Sc.
Wohlfarth, E. P., B.Sc., Ph.D.
Michaelson, S., B.Sc.
Jaswon, M. A., Ph.D., B.Sc. Dub.
Raimes, S., Ph.D., D.Sc.
Young, Rosalind C. H., Ph.D.
Sondheimer, E. H., M.A. Camb., Ph.D.
Thompson, R. S. H. G., B.Sc.
Severn, R. T., B.Sc.

Asst. Lecturers

Lang, Eleanor D., M.A.
Moshkowitz, Freda, B.Sc.

*Metallurgy*

Dannatt, C. W., D.I.C., F.R.I.C. Prof. and Hd. of Dept.

Readers
Fisher, M. S., D.Sc., Ph.D.
Yeoman, E. W., M.Sc., D.I.C., F.R.I.C.

Lecturers
Harris, R. H., B.Sc. (Eng.).
Evans, G. L., B.Sc.
Tweeddale, J. G.
Thomas, D. L., B.Sc. Wales.
Selfe, F. L., F.R.I.C.
Phillips, E., B.Sc. Wales.
West, D. R. F., Ph.D.
Pantony, D. A., Ph.D.

Nuffield Fellow
Richardson, F. D., Ph.D.

*Meteorology*
Sheppard, P. A., B.Sc., F.I.P. Prof. and Hd. of Dept.
Eady, E. T., B.A. Camb. Reader.
Goody, R. M., Ph.D., M.A. Camb. Reader.

Lecturers
Mason, B. J., B.Sc.
Scorer, R. S., M.A. Camb., Ph.D.
Ludlam, F. H., D.I.C.

*Mining*
Mitcheson, J. C., B.Sc. Birm., F.G.S. Prof. and Hd. of Dept.

Readers
Sheppard, J. S., O.B.E., B.Sc. (Eng.).
Pryor, E. J., D.I.C.
Davies, W., B.Sc. Wales, Ph.D. Leeds.
Fleming, M., B.Sc. Sr. Lectr.

Lecturers
Jennings, H., B.Sc.
Thomas, T. L., M.B.E., B.Sc.
Richardson, J. B.
Blyth, H. N., B.A., F.R.I.C.
Bray, J. W., Ph.D.
Orlerson, A., B.Sc.

Asst. Lecturer
Robinson, A. J., B.Sc. (Eng.).

*Mining Geology*, v. Geology

*Physics*
Blackett, P. M. S., M.A. Camb., F.G.S. Prof. and Dir. of Labs.
Devons, S., M.A., Ph.D. Camb. Prof.
Wright, W. D., D.Sc., D.I.C. Prof. of Tech. Optics.

Readers
Wynn-Williams, C. E., D.Sc. Camb.
Pearse, R. W. B., D.Sc., Ph.D., D.I.C.
Blackman, M., M.Sc. S.A., Ph.D. Gött. and Lond., D.I.C.
Bruckshaw, J. McG., M.Sc., Ph.D., D.I.C. (Appl. Geophys.).
Klemperer, O., Ph.D. Berl.
Johnson, B. K., D.I.C.
Butler, C. C., Ph.D. R'dg.

Honorary Lecturer
Jevons, W., D.Sc., D.I.C.

Senior Lecturer
Stephens, R. W. B., Ph.D., D.I.C.

Lecturers
Garton, W. R. S., B.Sc.
Kellner, Charlotte, Ph.D.
Michiels, J. L., Ph.D.
Aharoni, J., Ph.D. Berl.
Mason, R. G., M.Sc., D.I.C.
Allan, H. R., M.A. Camb., Ph.D.
Barford, N. C., B.A., B.Sc. Camb.
Latham, R., M.A. Camb., Ph.D.
Hopkins, H. H., Ph.D.
Coles, B. R., D.Phil. Oxon., B.Sc. Wales.
Pentz, M. J., M.Sc. Cape T.
Weinstein, W., Ph.D., B.Sc.

Assistant Lecturers
Brock, Helen L., B.Sc.
Moore, A. F., B.Sc. Manc.
Folkierski, A., Ph.D.
Hall, S. H., M.Sc. Demr.

*Zoology and Applied Entomology*
..... Prof. and Hd. of Dept.

Readers
Hewer, H. R., M.Sc., D.I.C.
Richards, O. W., M.A., D.Sc. Oxon.
Jepson, W. F., Ph.D., B.Sc.

Lecturers
Wagge, Lille E., Ph.D., B.Sc.
Murray, D. R. P., M.A., Ph.D. Camb.
Gorvett, H., Ph.D. Brist.
Waloff, Nadejda, Ph.D.
Davies, R. G., B.Sc.
Higgins, A. E. H., D.I.C.
Kermack, Doris M., B.Sc.
Boratynski, K., Ph.D. Poznan.

Assistant Lecturers
Goto, H. E., B.Sc.
Canning, Elizabeth, B.Sc.

**Biological Field Station**

..... Dir.
Page, A. B. P., Ph.D. Reader.
Higgins, A. E. H., D.I.C. Lectr.
Davies, R. G., B.Sc. Lectr.
Haskell, P. T., B.Sc. Asst. Lectr.

**Research Institute in Plant Physiology**

Gregory, Prof. F. G., D.Sc., D.I.C., F.R.S. Dir.

Research Staff
Bolas, B. D., D.Sc., D.I.C.
Richards, F. J., B.Sc.
Porter, Mrs. Helen K., D.Sc.
Purvis, Olive N., Ph.D.
Heath, O. V. S., D.Sc., Ph.D., D.I.C.
Mer, C. L., Ph.D.
Hatcher, E. S. J., Ph.D. Brist.
Schwabe, W. W., B.Sc.
Hancock, C. R., B.Sc.
Llewelyn, F. W. M., B.Sc.

## GENERAL INFORMATION

Founded by Royal Charter in 1907 for the purpose of giving the highest specialized instruction and providing the fullest equipment for the most advanced training and research in various branches of Science, especially in its application to Industry, the Imperial College includes as integral parts the following 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; Meteorology; Physics (Technical Optics, Applied Geophysics); Zoology and Applied Entomology.

ROYAL SCHOOL OF MINES: Metallurgy, Mineral Dressing, Mining, Mining Geology, Oil Technology.

CITY AND GUILDS COLLEGE: Aeronautics (Aerodynamics, Aero-Structures, Aircraft Propulsion); Engineering—Chemical and Applied Chemistry, Civil, Electrical, Mechanical.

The total staff is about 275. The College is a School of the University in Science and Engineering. Students who are registered as candidates for one of the Associateships and who have qualified for entrance to the University of London are eligible for the B.Sc. Degree of the University in the Faculties of Science and Engineering, on the courses and examinations for the relative Associateship, if the University's regulations are complied with. The courses of study are designed for students of University standard whose vocations will be concerned with the scientific aspects of industries. The buildings occupy about 8 acres and cost with equipment about £1,500,000. There is also a Field Station at Silwood Park, Sunninghill.

ADMINISTRATION. The administration of the Imperial College is vested in a Governing Body consisting of 52 members representing the Crown, the self-governing Countries of the Commonwealth, the Ministry of Education, the University of London, the London County Council, the City and Guilds of London Institute, the Royal Commissioners for the Exhibition of 1851, the Royal Society, the Teaching Staff of the Imperial College, and learned societies concerned with industries. The Rector, as chief administrative officer of the Imperial College, and the three Deans are also members.

LIBRARIES. The Library of the Science Museum is available for the use of Students, and each Dept. is provided with a special Library.

ADMISSION. The conditions of admission are as under, but the College reserves power to admit in special cases candidates whose qualifications do not in every respect coincide with those prescribed, but whose previous training fits them to take full advantage of the course proposed; the prescribed qualifications give no right to admission, but will be considered with others of which the candidate may give evidence. For admission to first-yr. courses candidates must normally have qualified for Univ. Entrance and have passed at Advanced level in the Gen. Cert. of Educn. or its equivalent, in Chem., Physics, and Maths.; requirements vary somewhat according to the course. A limited number of students are accepted to take a Prelim. (Inter.) course which is held at Battersea Polytechnic. This is restricted to those entering the Royal School of Mines or those taking courses in Bot., Geol., 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 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 (*a*) carrying out research, £30 per session; (*b*) taking courses of study, £60 per session; for part-time, at the rate of £33 and £63 per session respectively. An additional charge may be made for expensive apparatus or chemicals.

SCHOLARSHIPS. Royal Scholps., Entrance Scholps. and Exhibitions for undergraduate courses awarded on an examination held at Schools; Special Scholps. available in Mining.

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

AFFILIATION, ETC. The Univ. of Sheffield is associated with the Coll. for Advanced Studies in the Metallurgy of Iron and Steel.

In collaboration with L.S.E. the Coll. arranges courses in Postgrad. Studies in Technol., Econ. and Admin.

APPOINTMENTS BOARD. The Coll. Appts. Bd. assists Associates and Members of the Coll. to find employment on the completion of their Coll. courses.

HOSTEL. There is a residential hostel at the College, with accommodation in the women's wing for 13 students, and in the men's for 76; fees: £13-£15

per term. Meals are provided by the Refectory at about 7s. 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 (*Telephone*: Park 7041), 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 1951–52

NEW BUILDINGS. New Mineral Dressing Labs. completed; Metall. Dept. extension begun.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. J. Trillat (Sorbonne), "Some Applications of Electron Diffraction to the Study of Kinetics of Chemical Reactions"; Prof. Matsen, Texas; Prof. Goldstaub (Stras.); Prof. J. Hildebrand (Calif.); Prof. Long (Chicago); Dr. T. Ito (Tokyo); Prof. Abel Wolman (Johns H.); Prof. P. E. Gagnon (Laval); Dr. C. S. Williams (N.Z.).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. O. A. Saunders, Belgrade, to lecture on Thermodyn.; Prof. S. Devons, Hebrew Univ. at Jerusalem; Prof. W. D. Wright, various American Univs.; Prof. Sir Alfred Egerton lectured at M.I.T. on "Flame"; Prof. H. H. Read, several S. African Univs.

RETIREMENTS. Prof. Sir David Brunt (Meteorol.); Prof. Sir Alfred Egerton (Chem. Technol.); Prof. J. A. S. Ritson (Mining); W. E. G. Sillick (Mining).

RESIGNATIONS. Prof. Sir George Thomson (Phys.), apptd. Master of Corpus Christi College, Camb.; Prof. G. I. Finch (Appl. Phys. Chem.), apptd. Dir. Nat. Chem. Lab., Poona; A. T. Price (Appl. Maths.), apptd. to Chair of Maths. at Royal Tech. Coll., Glas.; Dr. H. N. Rydon (Org. Chem.), apptd. to Chair of Chem., Manc. Coll. of Tech.

DEATHS. The Most Hon. the Marquess of Linlithgow (Chairman of Governing Body 1934–36); Sir John Sykes (Member of Governing Body 1907–1917); A. J. Brett (Hon. Fellow 1948); Prof. Sir Charles Inglis (Member of Governing Body 1923–27); C. McDermid (Member of Governing Body 1931–47).

HONORARY FELLOWSHIPS. Prof. Emer. J. T. Hewitt; Prof. R. S. Hutton; Prof. Emer. Sir Leonard Bairstow; Prof. Emer. R. G. H. Clements.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 285 | 1599 |
| Women | 22 | 44 |
| Total | 307 | 1643 |

Postgraduate students : 535 full-time ; 288 part-time.

New admissions : 626 full-time ; 260 part-time.

Students (full-time) from other countries, 245. (Countries from which largest numbers came : India, 57 ; Egypt, 37 ; Canada, 24 ; Australia, 16 ; Pakistan, 13 ; S. Africa, 11 ; U.S.A., 11.)

DEGREES. *Arts* : M.A., 1 ; *Engineering* : B.Sc. (Eng.), 177 ; Ph.D., 21 ; M.Sc. (Eng.), 8 ; *Science* : B.Sc. (Special), 102 ; D.Sc., 6 ; Ph.D., 88 ; M.Sc., 24. *Total number of first degrees awarded*, 279.

DIPLOMAS. A.R.C.S., 89 ; A.R.S.M., 45 ; A.C.G.I., 143 ; D.I.C., 181.

[*Information compiled as at* 28/5/53 ; *Staff list revised on* 24/9/53.]

# KING'S COLLEGE

Founded 1829

*Postal Address* : Strand, London, W.C.2, England.
*Telephone* : Temple Bar 5454.

CHAIRMAN OF THE DELEGACY—The Hon. ARTHUR J. P. HOWARD, C.V.O.

TREASURER—B. P. MOORE, B.A.

PRINCIPAL—P. S. NOBLE, M.A. Aberd.

DEAN—Canon E. S. ABBOTT, M.A. Camb.

SECRETARY—I. P. SHAW, M.A. Oxon.

LIBRARIAN—R. HUTTON, M.A. Liv.

REGISTRAR—J. T. COMBRIDGE, M.A. Camb.

## TEACHING STAFF

*Anatomy, Descrip. and Surgical*

Nicol, T., D.Sc. Glas. and Lond., M.D. Glas., F.R.C.S., F.R.C.S.Ed. Prof.

Wakeley, Sir C. P. G., K.B.E., D.Sc., F.R.C.S. Pt.-time Lectr.

Mackinnon, I. L., M.B., Ch.B. N.Z. Sr. Lectr.

Lecturers

Muenter, A. H., Ph.D. Münster.

Snell, R. S., M.B., B.S.

Burges, S. H., M.B., B.S.

Fisher, R. F., B.Sc. (Eng.), M.B., B.S.

*Biochemistry*, v. Physiology

*Biology*, v. Bot., also Zool.

*Botany and Vegetable Biology*

Bennet-Clark, T. A., M.A. Dub., Ph.D. Camb., F.R.S., F.L.S. Prof.

Lecturers

Ball, Sir N. G., M.A., Sc.D. Dub.

Metcalfe, G., M.A., Ph.D. Camb.

Carpenter, J., B.A. Camb.

Sutcliffe, J. F., B.Sc., Ph.D. Leeds.

Nicholls, Valerie O., B.Sc., Ph.D. Brist. Asst. Lectr.

*Chemistry*

Hey, D. H., D.Sc. Manc., Ph.D., F.R.I.C. Daniell Prof.

Rideal, Sir E. K., M.B.E., M.A. Camb., Ph.D. Bonn, D.Sc. Dub., F.R.S. Prof.

Readers

Style, D. W. G., B.Sc., Ph.D.

Harper, S. H., Ph.D., D.Sc.

Senior Lecturers

Salmon, C. S., M.C., M.Sc. Brist.

Dolley, L. G. F., T.D., B.Sc., Ph.D.

Lecturers

Gold, V., B.Sc., Ph.D.

Honeyman, J., M.A., B.Sc., Ph.D. St. And.

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

Robertson, A. J. B., M.A., Ph.D. Camb.

Davies, J. T., M.Sc. N.Z., Ph.D.

*Classics*, v. also History

Maguinness, W. S., M.A. Dub. (Lat.) Prof.
Winnington-Ingram, R. P., M.A. Camb. (Gk.) Prof.
Handford, S. A., M.A. Oxon. Reader.
Low, D. M., M.A. Oxon. Lectr.
Gossage, A. J., M.A. Oxon., Ph.D. Lectr.
..... Asst. Lectr.

*Education*

Judges, A. V., B.A., D.Sc. (Econ.) (Hist. of Educn. Prof.
Blackwell, Mrs. Annie M., M.A., B.Sc. Sr. Lectr.

Lecturers

Beales, A. C. F., M.A.
Brown, P. P., B.A. Oxon.
King, E. J., M.A. Manc., F.L.S.
Wakeford, Mrs. Dorothy A., B.A.
Murray, Mrs. Freda M., B.Sc.
Parish, E. Laura, M.A.

*Engineering, Chemical*

Watkins, S. B., M.Sc. Wales, F.R.I.C. Sr. Lectr. and Director of Studies.

*Engineering, Civil and Mechanical*

Davies, S. J., D.Sc., Ph.D. (Mech. E.) Prof.
Ross, A. D., B.Sc. (Eng.), Ph.D. Edin. (Civil E.) Prof.
Rose, H. E., Ph.D. Manc., D.Sc. (Mech. E.) Reader.
Nash, J. K. T. L., M.A.I., M.A. Dub. (Civ. E.) Reader.

Lecturers

Watts, F. G., M.Sc. (Eng.).
Steed, R. W., B.Sc. (Eng.), Ph.D.
Zarek, J. M., B.Sc. St. And., Ph.D.
Plowman, J. W., B.Sc. (Eng.), Ph.D.

*Engineering, Electrical*

Greig, J., Ph.D. Birm., M.Sc. (Eng.) Siemens Prof.
Clarke, H. M., T.D., M.Sc. Sr. Lectr.
Fraser, W., B.Sc. (Eng.) Lectr.
Platt, G. H., M.Sc.Tech. Manc. Lectr.

*English Lang. and Lit.*

Bullough, G., M.A. Manc. Prof.
Garmonsway, G. N., M.A. Camb. (E. Lang. and Lit.) Reader.

Lecturers

Mack, Frances M., B.A., Ph.D. (E. Lang. and Lit.).
Crow, J. W., M.A. Oxon.
Sheard, J. A., B.A., Ph.D. (Philol.).
Armstrong, W. A., M.A. Sheff., Ph.D. Yale (E. Lit.).

Assistant Lecturers

Yarker, P. M., B.A.
Roberts, M. A. M., M.A. Camb.
Taylor, E. Mary M., M.A. Camb.
Clark, Cecily, M.A., B.Litt. Oxon.

*French*

Cocking, J. M., M.A. Prof.
Stone, Louise W., M.A. (Romance Philol.) Reader.
Jones, R. A., M.C., M.A. Sr. Lectr.
Landers, W. M., B.A., Ph.D. Lectr.
Weightman, J. G., B.A. Durh., L. ès L. Poitiers Lectr.

Assistant Lecturers

Ince, W. N., M.A. Camb.
Jeeves, W. N., M.A. Camb.
2 Assts.

*Geography*

(In conjunction with staff of London School of Economics)

Wooldridge, S. W., D.Sc. Prof.
Balchin, W. G. V., M.A. Camb., Ph.D. Lectr.
Coleman, Alice M., M.A. Lectr.
Elkins, T. H., B.A. Lectr.

*Geology*

Taylor, J. H., A.M. Harv., B.Sc. Ph.D., F.G.S. Prof.

Wells, A. K., D.Sc., F.G.S. Reader.
Prentice, J. E., B.Sc., Ph.D. Lectr.
Elwell, R. W. D., M.Sc. Lectr.
Ball, H. W., B.Sc., Ph.D. Birm. Asst. Lectr.

*German*

Norman, F., O.B.E., M.A. Prof.
Gilbert, Mary E., Dr.Phil. Berl. Reader.
Thoma, H. H. K., Dr.Phil. Munich Lectr.
..... Asst. Lectr.

*Greek, Modern, and Byzantine History, Language and Literature*

Jenkins, R. J. H., M.A. Camb. Koraës Prof.

*History*, v. also Greek

Williams, C. H., M.A. Camb. Prof.
Graham, G. S., M.A. Qu., A.M. Harv., Ph.D. Camb. Rhodes Prof. of Imperial H.

Lecturers

Howard, C. H. D., M.A. Oxon.
Hodgett, G. A. J., M.A.
Howard, M. E., M.C., M.A. Oxon.

Assistant Lecturers

Ball, J. N., M.A. Camb.
Duggan, C., B.A.

*History, Ancient*

Scullard, H. H., M.A. Camb., Ph.D. Reader.

*Law*

Graveson, R. H., LL.M. Sheff., S.J.D. Harv., Ph.D., LL.D. (English L.) Prof.
Crane, F. R., LL.B. (English L.) Prof.
Nokes, G. D., LL.D. (English L.) Reader.
Kiralfy, A. K. R., LL.M., Ph.D. Reader.
Davies, C. E. P., M.A., B.C.L. Oxon. Lectr.
James, T. E., M.A., B.C.L. Oxon. Lectr.
Barlow, A. C. H., M.A. Camb. Lectr.
Bland, A. J., M.A., B.C.L. Oxon. Asst. Lectr.
Prichard, A. M., LL.B. Asst. Lectr.
Pettit, P. H., M.A. Oxon. Asst. Lectr.
2 Pt.-time Lectrs.

*Mathematics, Pure and Applied*

Semple, J. G., M.A. Belf., Ph.D. Camb. Prof.
..... Prof.
Rado, R., Dr.Phil. Berl., Ph.D. Camb. Reader.
Leggett, D. M. A., M.A., Ph.D. Camb. Reader.
Scott, D. B., M.A. Camb., D.Sc. Reader.
Edwards, B. A., M.Sc. Wales Sr. Lectr.
Davies, T. V., M.Sc. Wales Lectr.
Kilmister, C. W., M.Sc., Ph.D. Lectr.
Dirac, G. A., M.A., Ph.D. Camb. Lectr.
Tims, S. R., Ph.D. Camb., M.Sc. Asst. Lectr.

*Palæography*

Wormald, F., Litt.D., M.A. Camb., F.B.A. Prof.

*Pharmacology*, v. Physiology

*Philology*, v. English and French

*Philosophy*

Findlay, J. N., M.A. Oxon. and S.A., Ph.D. Graz Prof.
Vesey, G. N. A., M.A. Camb. Asst. Lectr.

*Physics*

Randall, J. T., D.Sc. Manc., F.R.S. Wheatstone Prof.
Longuet-Higgins, H. C., M.A., D.Phil. Oxon. (Theoretical Phys.) Prof.
Champion, F. C., M.A., Ph.D. Camb. (Exp. Physics) Reader.

Price, W. C., B.Sc. Wales, Ph.D. Johns H., Sc.D. Camb., F.R.I.C. (Exp. Physics) Reader.

Lecturers

Chapman, F. W., M.Sc., Ph.D.
Stokes, A. R., M.A., Ph.D. Camb.
M'Ewen, Marjorie B., Ph.D. St. And., B.Sc.
MacKay, D. M., B.Sc. St. And., Ph.D.
Curling, C. D., M.A. Camb.
Elton, L. R. B., M.A. Camb., B.Sc., Ph.D.

Assistant Lecturers

Pursey, D. L., B.Sc., Ph.D. Glas.
Gosling, R. G., B.Sc.
Coupland, J. H., M.A. Camb.
Kennedy, P. J., B.A. Dub. Demr.

*Physiology, Biochemistry and Pharmacology*

McDowall, R. J. S., D.Sc., M.D. Edin., F.R.C.P.Ed. Prof.
Robson, W., Ph.D. Edin., D.Sc. (Biochem.) Reader.
Brownlee, G., D.Sc. Glas., Ph.D. (Pharm.) Reader.
Knox, J. A. C., M.D., Ch.B. Glas. Sr. Lectr.

Lecturers

Widdowson, T. W., F.D.S. (Pt.-time).
Quilliam, J. P., M.Sc., M.B., B.S.
Munro, A. F., B.Sc., Ph.D. Aberd.
Darbre, A., B.Sc. Birm.
.....
.....
.....
.....

*Portuguese*

Boxer, C. R., Hon. D.Litt. et Phil. Utrecht Camoens Prof.
Das Neves, F. J., Lic. of Letters Lisbon Lectr.

*Romance Philology*, v. French

*Spanish Studies*

Parker, A. A., M.A. Camb. Cervantes Prof.

Lecturers

Nadal, R. M., Lic. in Law Madrid.
Hamilton, Mrs. Rita, L. ès L. Lille, B.A.
Jones, R. O., M.A.
1 Assistant.

***Theology*, v. p. 304**

***Zoology and Animal Biology***

Danielli, J. F., Ph.D. Camb. and Lond., D.Sc. Prof.
Dawes, B., D.Sc., D.I.C. Reader.
Manton, Sidnie M., M.A., Sc.D. Camb., F.R.S. Reader.

Lecturers

Tribe, Margaret, D.Sc.
Arthur, D. R., M.Sc. Wales, Ph.D.
Brown, Margaret E., M.A., Ph.D. Camb.
Cloudsley-Thompson, J. L., M.A., Ph.D. Camb., F.L.S.
1 Pt.-time Asst. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: H. S. Harley; Asst. Sec.: W. B. E. Euden, B.A.; Chaplain: Rev. J. H. Churchill, M.A.; Tutor to Women Students: Dorothy Brittain, M.A. Manc.; Wardens: King's Coll. Hall, M. E. Howard, M.C., M.A. Oxon.; Halliday Hall, A. C. H. Barlow, M.A. Camb.

## 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 Kensington, were transferred to the Strand building of King's College, and the Household and Social Science Department to new buildings on Campden Hill. The Dept. of Household and Social Science became a separate instn. in 1928 under the title of King's Coll. of Household and Social Science, now Queen Elizabeth Coll., 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. There is also a Botany out-station at 68 Half Moon Lane, Dulwich, and a Plant Physiology Laboratory at Danehurst, Champion Hill, S.E.5.

FACULTIES AND DEANS. *Arts*, Prof. W. S. Maguinness (Latin); *Engineering*, Prof. A. D. Ross (Civ. Engin.); *Laws*, Prof. R. H. Graveson; *Medical Science*, Prof. R. J. S. McDowall (Physiol.); *Natural Science*, Prof. J. T. Randall (Phys.).

LIBRARIES (about 165,000 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. Imp. Hist. 15. Laws. 16. Maths. 17. Palæography. 18. Pharmacol. 19. Physics. 20. Portuguese. 21. Spanish. 22. 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.

DEGREE COURSES in Arts, Laws, Science and Engineering. Pre-clinical courses in Medicine, and courses for the First and Second Examns. for Dental Degrees. Education Dept. for training Teachers (men and women) for the Postgraduate Certificate in Education.

Clinical Medical training at King's College Hospital or St. George's or Westminster.

Engineering students are provided with facilities for spending half of each summer vacation in engineering works.

Evening Classes in the Faculty of Laws.

OTHER COURSES. The Associateship of King's College (A.K.C.) is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in Divinity and passed appropriate 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. The College has a course for its own postgrad. Dipl. in Chemical Engineering.

FEES. Tuition per Session of 3 terms of 10 weeks each (Oct. to July): Arts: 36 gs.; Laws, 25 gs. (Even.), 34 gs. (Day); Science, 34 gs. (Maths.), 50 gs. (others); Med., £40 to £44; Engin., 60 gs.; Master's degrees or Ph.D., 21 gs.; compulsory vacation field courses in some subjects, 7½ gs. extra.

SCHOLARSHIPS. For undergraduates: In Arts 4, ag. value £160 p.a.; Laws 2, ag. value £70 p.a.; Natural Science 2, ag. value £80 p.a.; Medical Science 4, ag. value £165 p.a.; Engineering 2, ag. value £80 p.a. Most of these are eligible for supplementation by the Ministry of Education.

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

ENTRANCE SCHOLARSHIPS in all Faculties.

RESIDENCE. Halliday Hall, South Side, Clapham Common, S.W.4 (*Telephone*: Tulse Hill 5780), for 130 men; fees, £120 to £135 a session. King's College Hall, Champion Hill, S.E.5 (*Telephone*: Brixton 2558), for 100 men; fees, £120 or £105 a session.

A REGISTER OF FORMER STUDENTS is maintained. Membership of the King's Coll. London Association enables former students to keep in touch with one another and with the College.

STUDENTS' UNION SOCIETY has its own premises in Chesham House, Surrey Street, W.C.2.

PUBLICATIONS. Separate Syllabus for each Faculty post free. *Calendar*, 7s. 6d. post free; K.C. *Review*; Union Society *Handbook*; *King's Engineer*; *King's Counsel*; K.C.L. Association *Year Book*.

## THE YEAR 1951–52

BENEFACTIONS. Anonymous donor, £100 for biophys. res.; P. R. Brierley, £60 annually for 7 yrs., proceeds to be used for the Union Society premises, and £60 annually for 7 yrs. to Fac. of Engin. Centenary Prize Fund; Halliburton Bequest, £10,000 capital plus interest of £71 : 18 : 4; late Dr. W. H. Lowman, legacy of £100; late Prof. Harold Potter, legacy of £150, income to be applied towards prize in Fac. of Laws; Albright and Wilson, £100 for work in Chem. Dept.; Bakelite Ltd., £500 towards fundamental research on high polymers in relation to plastics; Crookes Labs., offer of £600 p.a. for 2 yrs. to establish a Crookes Fellowship in Phys. Chem. for this period; Glaxo Labs., £500 towards provision of additional apparatus for Chem. Labs. in connexion with certain res. work; Goldsmiths' Company, grants for vacation travel; £975 towards cost of res. work on multilayers; Mather and Platt, a motor generating set arranged for demonstration purposes in Dept. of Electr. Engin.

NEW BUILDINGS. Labs. for Phys. and Engineering beneath the Coll. Quadrangle were completed, and formally opened on June 27, 1952, by Lord Cherwell, F.R.S.; Botany Dept. transferred to new quarters at Half Moon Lane, Dulwich.

RETIREMENT. Sir William Halliday, Principal of King's College, Jan. 1, 1928, to July 31, 1952.

RESIGNATIONS. Sir Thomas Creed, K.B.E. (Sec. of Coll. 1948 to 1951), apptd. Principal of Queen Mary Coll.; Prof. L. R. Palmer (Classics), apptd. to Chair of Comparative Philol., Oxon.; Dr. L. F. Casson (Engl.), apptd. to

De Beers Chair of Engl. Lang., Cape T.; Dr. C. P. Magill (German), apptd. to Chair of German, Aberystwyth; R. A. Leitão (Portuguese); Prof. C. A. Coulson (Theoret. Phys.), apptd. to Rouse Ball Chair of Maths., Oxon.; H. R. Ker (Anat.); L. M. Rosa (Physiol.).

DEATHS. Miss L. M. Faithfull, C.B.E., Vice-Principal of King's Coll. (Ladies' Dept.) 1894 to 1907, a Fellow of the Coll.; Wm. Brown, Reader in Psychol. 1914 to 1921; W. R. Ivimey Cook, Demr. in Botany 1924 to 1929; R. W. Jones, Gilbart Lectr. in Banking 1931 to 1935 and 1947 to 1949; A. T. J. Kersey, Lectr. in Civil and Mech. Engin. 1940 to 1946; J. C. E. Simpson, Asst. Lectr. in Chemistry 1935 to 1939; D. Subotić, Lectr. in Serbian 1919 to 1925 and Reader 1925 to 1932; A. F. Topham, Gilbart Lectr. in Banking 1927 to 1931.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 181 | 1317 |
| Women | 54 | 377 |
| Total | 235 | 1694 |

Postgraduate students, 395.

New admissions, 513.

Students (full-time) from other countries, 135. (Countries from which largest numbers came: U.S.A., 15; Egypt, 10; India, 9; Canada, 8; British W. Africa, 7; Mauritius, 7.)

DEGREES OBTAINED. *Arts*: B.A., 133; M.A., 14; Ph.D. (Arts), 11. *Theol.*: B.D., 16; M.Th., 2; Ph.D. (Theol.), 1. *Engin.*: B.Sc. (Eng.), 41; M.Sc. (Eng.), 2; Ph.D. (Eng.), 3. *Laws*: LL.B., 50; LL.M., 3; LL.D., 1. *Nat. Sci.*: B.Sc., 141; M.Sc., 6; Ph.D. (Sci.), 30; D.Sc., 2.

CERTIFICATES OBTAINED. Postgrad. Certif. in Educn., 72.

[*Information compiled as at* 18/5/53 ;
*Staff list revised on* 24/9/53.]

# LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

*Postal Address* : Houghton Street, Aldwych, London, W.C.2, England.
*Telegrams* : Poleconics, Estrand, London.
*Telephone* : Holborn 7686.

CHAIRMAN OF COURT OF GOVERNORS—Sir OTTO NIEMEYER, G.B.E., K.C.B., B.A.

VICE-CHAIRMAN—F. E. HARMER, C.M.G., M.A.

DIRECTOR—Sir ALEXANDER M. CARR-SAUNDERS, M.A. Oxon. and Camb., LL.D. Glas., 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.
Kitchen, J., B.Sc. (Econ.) Lectr.
8 Pt.-time Assts.

*Anthropology, Social*

Firth, R. W., M.A. N.Z., Ph.D., F.B.A. Prof.
Schapera, I., M.A. Cape T., D.Sc., F.R.S.S.Af. Prof.
..... Reader.
Freedman, M., M.A. Lectr.
1 Asst. Lectr., 1 Pt.-time Lectr.

*Business Administration*

Plant, Sir Arnold, B.Sc. (Econ.), B.Com. Cassel Prof.

*Colonial Administration*

Mair, Lucy P., M.A. Camb., Ph.D. Reader.
Wraith, R. E., O.B.E., B.Com. Birm.
Organizer of Studies for Colonial Students.

*Commerce and Industry*, v. also Law, Transport

Edwards, R. S., B.Com. Prof.
Meade, J. E., C.B., M.A. Oxon., F.B.A. Prof.
Paish, F. W., M.C., M.A. Camb. Prof.
Anstey, Vera, D.Sc. (Econ.)
Chairman of Admitting Deans and Part I Tutors and Cassel Reader.
Brown, F., B.Sc. (Econ.) Reader.

Thirlby, G. F., B.Com. Lectr.

*Criminology*

Mannheim, H., Dr.Jur. Königsberg Reader.

*Demography*

Grebenik, E., M.Sc. (Econ.) Reader.

*Economics*

Robbins, L. C., C.B., M.A. Oxon., B.Sc. (Econ.), F.B.A. Prof.
Phelps Brown, E. H., M.B.E., M.A. Oxon. Prof.
Hutchison, T. W., M.A. Camb. Reader.
Makower, Helen, B.A. Camb., Ph.D. Reader.
Raeburn, J. R., B.Sc. (Agric.) Edin., M.S., Ph.D. Corn., M.A. Oxon. (Agric. Econ.) Reader.
Turvey, R., B.Sc. (Econ.) Reader.
Yamey, B. S., B.Com. Cape T. Reader.
Day, A. C. L., B.A. Camb. Lectr.
Hood, Mrs. Julia M., B.Com. Lectr.
Knox, A. D., B.A. Tor. Lectr.
Morgan, D. J., B.Sc. (Econ.) Lectr.
Morton, G., B.Sc. (Econ.), Ph.D. Lectr.
Phillips, A. W. H., M.B.E., B.Sc. (Econ.) Lectr.
..... Lectr.
9 Asst. Lectrs., 1 Pt.-time Asst. Lectr.

*English* (as a foreign language)

Chapman, R., B.A. Oxon., M.A. Lectr.

*Finance*, v. Money, Banking

*French*, v. Modern Languages

*Geography*, v. also Commerce

Buchanan, R. O., M.A. N.Z., B.Sc. (Econ.), Ph.D. Prof.
Stamp, L. D., C.B.E., B.A., D.Sc. D.Lit. (Social Geog.) Prof.
Harrison-Church, R. J., B.Sc. (Econ.), Ph.D Lectr.
Rawson, R. R., B.Sc. Wales Lectr.
Sealy, K. R., M.Sc. (Econ.) Lectr.
Sinclair, D. J., M.A. Edin. Lectr.
Wise, M. J., M.C., B.A., Ph.D. Birm. Lectr.
3 Asst. Lectrs.

*History, Economic and Political*

Ashton, T. S., M.A. Manc., F.B.A. Prof.
Carus-Wilson, Eleanora M., M.A. Prof.
Beales, H. L., M.A. Manc. Reader.
Fisher, F. J., M.A. Reader.
Anderson, M. S., M.A., Ph.D. Edin.
Ashworth, W., B.Sc. (Econ.), Ph.D. Lectr.
Coleman, D. C., B.Sc. (Econ.), Ph.D. (Indust. H.) Lectr.
Hatton, Ragnhild M., Cand. Mag. Oslo, Ph.D. Lectr.
John, A. H., Ph.D. Camb., B.Sc. (Econ.) Lectr.
Stern, W. M., B.Sc. (Econ.) Lectr.
Waley, D. P., M.A., Ph.D. Camb. Lectr.
4 Asst. Lectrs.

*History, International*

Medlicott, W. N., M.A., D.Lit. Stevenson Prof.
Toynbee, A. J., B.A., D.Litt. Oxon. and Birm., F.B.A. Stevenson Research Prof.
Robinson, L. G., M.A. Oxon. Dean of Postgrad. Studies and Reader.
1 Lectr., 1 Asst. Lectr.

*International Relations*

Manning, C. A. W., M.A., B.C.L. Oxon. Montague Burton Prof.
Wight, R. J. M., B.A. Oxon. Reader.

Lecturers

Chambers, F. P., M.A. Camb.
Goodwin, G. L., B.Sc. (Econ.).
Tunstall, W. C. B., M.A. Camb.
North Edge, F. S., B Sc. (Econ.), Ph.D

*Law*

Gower, L. C. B., M.B.E., LL.M. (Comml. L.) Cassel Prof.
Kahn-Freund, O., Dr.Jur. Frankfurt, LL.M. (English L.) Prof.
Parry, Sir David Hughes, B.A. Wales, M.A., LL.M. Camb., LL.D. 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.
Johnson, D. H. N., M.A., LL.B. Camb. (Internat. L.) Reader.
Mitchell, J. D. B., LL.B., Ph.D. (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. (Admin. L.).
Grunfeld, C., M.A., LL.B. Camb.
Schapiro, L. B., LL.B. Pt.-time.
de Smith, S. A., M.A. Camb.
Stone, Olive M., LL.B., B.Sc. (Econ.).
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.
..... (German) Lectr.
Scott-James, Mrs. Paule H. J., B.Litt. Oxon., Ag. de l'U. (French) Lectr.
4 Asst. Lectrs.

*Money, Banking and Public Finance*

Sayers, R. S., M.A. Camb. and Oxon. Cassel Prof.
Peacock, A. T., D.S.C., M.A. St. And. Reader.
Wilson, J. S. G., M.A., Dip. Com. W.Aust. Reader.

*Politics and Public Administration*

Oakeshott, M. J., M.A. Camb. Prof.
Robson, W. A., 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., Chev. Lég. d'H., M.A. Leeds Sr. Lectr.
Bassett, R., M.A. Oxon. Lectr.
Miliband, R., B.Sc. (Econ.) 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.
3 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. (Soc. Admin.) Prof.
Kydd, Jessie A., M.B.E., M.A., B.Com. Edin. Sr. Tutor and Lectr.
Bell, Leslie H., M.A. Lectr.
Britton, Clare (Child Care) Lectr.
Cockburn, Christine, M.A. Aberd. Lectr.
Judd, Mrs. Helen O., M.A. Edin., J.P. Lectr.
Seear, Beatrice N., B.A. Camb. Lectr.
Stewart, Katharine F. Organizer of Practical Training.
Willoughby, Gertrude, M.A. Sheff., D. de l'U. Paris Lectr.
Younghusband, Eileen, M.B.E., Dip. in Sociol., J.P. Pt.-time Lectr.
2 Asst. Lectrs.

Lecturers for Course in Mental Health

McDougall, Mrs. Kate F.
2 Asst. Lectrs.

Occasional Lecturers

Anthony, E. J., M.D., B.Sc., D.P.M.
Gardner, Dorothy E. M., M.A.
Gillespie, W. H., M.D., Ch.B.
Hilliard, L. T., M.A., M.B.
Lewis, J. B. S., M.B., D.P.M.
Winner, Albertine L., O.B.E., M.D.

*Sociology*, v. also Anthropology

Ginsberg, M., M.A., D.Lit., F.B.A. Martin White Prof.
Glass, D. V., B.Sc. (Econ.), Ph.D. Prof.
Chambers, Rosalind C., B.Sc. (Econ.) Lectr.
Gellner, E. A., B.A. Oxon. Lectr.
MacRae, D. G., M.A. Glas. and Oxon. Lectr.
4 Asst. Lectrs.

*Statistics*

Allen, R. G. D., O.B.E., M.A. Camb., D.Sc. (Econ.), F.B.A. Prof.
Kendall, M. G., M.A., Sc.D. Camb. Prof.
Durbin, J., M.A. Camb. Reader.
Rhodes, E. C., B.A. Camb., D.Sc. Reader.
Booker, H. S., M.Sc. (Econ.) Lectr.
Moser, C. A., B.Sc. (Econ.) Lectr.
1 Asst. Lectr.

*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. to the Accountant: Phyllis M. Shrimpton; Asst. Maintenance Officer: J. A. G. Deans, M.B.E.; Sec. to the Postgraduate Dept.: Anne M. Bohm, Ph.D. Berl.

LIBRARY. Deputy Librarian: Marjorie Plant, D.Sc. (Econ.), F.L.A.; Sr. Asst. Librarians: C. G. Allen, M.A.; Martha E. Dawson, M.A.; Asst. Librarians: W. L. Guttsman, M.Sc. (Econ.); H. Schurer, Ph.D., F.L.A.; W. A. Steiner, LL.M.

## GENERAL INFORMATION

Founded 1895. A School of the Univ. recognized in the Faculties of Arts (in Anthropology, Geography, History and Sociology), of Laws, and of Economics and Political Science (including Commerce and Industry).

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. In collaboration with Imperial College the School arranges courses in postgraduate studies in Technology, Economics and Administration.

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, in certain cases, be required to sit for an entrance examination, which consists of a three-hour paper, containing questions of a general nature and in the use of English.

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 Arts, in Laws and in Economics is 34 gs. for the academic year. Evening students receive considerable reduction in fees. The fees include privileges of Students' Common Rooms and Athletic Societies. The playing fields at Malden are available for members of the Athletic Union.

Entrance scholps. (including the Leverhulme Scholps.) are awarded each year and are eligible for supplementation by the Ministry of Education. An Adult scholp. of the value of £100 p.a. may be awarded to students who have shown promise in pt.-time studies. Scholps. are also awarded during the undergraduate course, some of which are eligible for supplementation by the Ministry of Education.

STUDENT HEALTH. The School has its own nurse, who holds a daily surgery in the School during the session. A mass radiography unit visits the School each session for the examination of students.

A psychiatric advisory service for students has been established. This is in charge of a doctor who attends the School three days a week for consultation by students who feel the need for psychiatric treatment.

RESIDENCE. Passfield Hall, Endsleigh Place, W.C.1 (*Telephone*: (Warden and Staff) Euston 3584; (Students) Euston 7691), for about 140 men; fees: £3 : 17s., £3 : 13 : 6 and £3 : 10s. per week for single, double and treble study-bedrooms respectively.

PUBLICATIONS. Learned: *Studies in Econ. and Pol. Sc.*; *Economica*, quarterly journal devoted to research in economics, economic history and statistics; *The British Journal of Sociology*, quarterly journal devoted to research in sociology and cognate subjects. Official: *Calendar*; *Prospectus*; *Departmental Pamphlets*.

## THE YEAR 1951–52

BENEFACTIONS. Dr. R. H. Coase, £100 for acquisition of books or other printed material of interest to economists and economic historians published before 1850.

NEW BUILDINGS. Accommodation acquired on lease in Portsmouth Street for members of academic staff and res. assts.; 13 Endsleigh Street, replacing 31 John Adam Street, also acquired on lease for Dept. of Sociol. and Demog. Res.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. L. G. Harvey, Boston; Prof. L. A. Larson, Corn.; Prof. T. M. Newcombe, Mich.; Prof. Marjorie Smith, Br. Col.; under scheme for promotion Northern Studies, Prof. Matti Leppo, Helsinki; Dr. J. Vogt, Oslo; as a British Council Fellow, Prof. W. Müller-Freienfels, Marburg.

RETIREMENT. Miss E. V. Eckhard (Sr. Tutor and Dep. Hd. of Soc. Sci. Dept.).

RESIGNATIONS. K. G. Davies (Econ. Hist.), apptd. to a Fellowship at New Coll., Oxon.; S. T. David (Stats.), apptd. Statistician in Pub. Health Dept., L.C.C.; F. M. Martin (Psychol.); Margaret C. Woolrych (Sociol.).

DEATHS. Sir Montague Burton (Founder, Chair of Internat. Relns., 1935); Maj.-Gen. G. P. Dawnay (Member of Ct. of Governors for many years); Miss E. V. Eckhard (Member of Soc. Sci. Dept. since 1919; Sr. Tutor since 1928 and Dep. Hd. since 1947); F. W. Morgan (Lectr. in Geog. since 1948).

STUDENT NUMBERS.*

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 347 | 1316 |
| Women | 55 | 427 |
| Total | 402 | 1743 |

Postgraduate students, 466.

New admissions, 945.

Students (full-time) from other countries, 448. (Countries from which largest numbers came: U.S.A., 95; India, 63; Canada, 41; British W. Africa, 26; Poland, 17; Australia, 16.)

DEGREES, ETC. B.A., 31; M.A., 3; B.Sc. (Econ.) (Old Regns.), 79; B.Sc. (Econ.) (Revised Regns.), 207; B.Com., 10; M.Sc. (Econ.), 23; Ph.D., 28; LL.B., 33; LL.M., 3.

DIPLOMAS. Anthropol., 2; Law, 1.

CERTIFICATES. Soc. Sci. and Admin., 68; Soc. Sci. and Admin. (Colonial), 11; Mental Health, 23; Internat. Studies, 2.

* These figures do not include 333 occasional students.

[*Information compiled as at* 1/5/53 ; *Staff list revised on* 24/9/53.]

# QUEEN ELIZABETH COLLEGE

**Founded 1908**

*Postal Address* : 61-67 Campden Hill Road, London, W.8, England.
*Telephone and Telegrams* : Western 3704.

CHAIRMAN OF COUNCIL—Sir JOHN ATKINS, K.C.M.G., K.C.V.O.
PRINCIPAL—M. JOAN SARGEAUNT, M.A., B.Litt. Oxon.
SECRETARY—DOROTHY M. TALBOT, B.A.

## TEACHING STAFF

*Biology*

Crofts, Doris R., D.Sc. (Zool.) Reader.
Gardiner, Phyllis, B.Sc. Lectr.
Rawson, Mrs. Dilys O., M.Sc. Wales Lectr.

Assistant Lecturer

Te Winkel, Helena, B.Sc.

*Chemistry*

Burton, H., D.Sc., F.R.I.C. Prof.
Jackman, Mrs. Agnes, B.Sc., F.R.I.C. Sr. Lectr.
Rees, Mrs. Barbara M., B.Sc. Lectr.
Waind, Mrs. Gwyneth M., D.Phil. Oxon. Lectr.

Assistant Lecturers

Cheeseman, G. W. H., Ph.D.
Praill, P. F. G., B.Sc.

*Economics and Business Affairs*

Stanners, H., B.Sc. (Econ.) Sr. Lectr.
Heasman, Mrs. Kathleen J., M.A. Camb. Pt.-time Lectr.

*Household Work*

Walley, Joan E., B.Sc. Sr. Lectr.
Chappell, Gweneth M., M.Sc. Lectr.
Begrie, Irene C. Lectr.
Gardiner, Mrs. Margaret, B.Sc. Lectr.

Assistant Lecturers

Anderson, J. Audrey, B.Sc.
Jones, J. Elinor.
Ward, Gwyneth M., B.Sc.

*Hygiene and Bacteriology*

Delafield, M. E., M.C., B.A., M.B., B.Ch., D.P.H. Pt.-time Hd. of Dept.
White, Helen R., Ph.D. R'dg. Lectr.

Assistant Lecturer

Lemcke, Ruth M., B.Sc.

*Physics*

Dillon, Teresa J., M.Sc., F.I.P. Sr. Lectr.
Andrewes, Ursula, Ph.D. Lectr.

Assistant Lecturers

McCabe, Marie, B.Sc.
Trezona, Patience W., Ph.D.

*Physiology*

Yudkin, J., M.D., Ph.D. Camb., F.R.I.C. Prof.
Clifford, Winifred M., M.Sc. Sr. Lectr.

Copping, Alice M., M.Sc. N.Z. Lectr.
Batchen, Judith M., B.Sc. Q'ld. Asst. Lectr.
Cheesman, Mrs. Elizabeth, B.Sc. Asst. Lectr.

*Social Science* [Sr. Lectr.
Stanners, H., B.Sc. (Econ.)

## ADMINISTRATIVE AND OTHER STAFF

Bursar: Helen D. Horrocks; Caterer: Ida T. Robinson; Librarian: Mrs. Margaret Atkins, B.A. N.U.I.; Accountant: J. A. Garlick; Asst. Secretary: Mrs. Margaret P. Walters.

## GENERAL INFORMATION

Formerly a dept. of King's Coll. for Women; since 1928 an independent School of the Univ. in the Fac. of Science. Name changed to Queen Elizabeth College when Royal Charter granted in Jan. 1953. Library contains 8000 vols. (not including periodicals). Facilities for research work in the Labs. Degree Course for B.Sc. in Household and Social Science replaced, as from October 1953, by course for B.Sc. (Household Science) and B.Sc. (Nutrition), to which men students may be admitted. Courses for Univ. of London Academic Postgraduate Dipl. in Dietetics and for Univ. of London Sister Tutor's Dipl. Students also prepared for Coll. Certif. in Institutional Management. Residential accomm. (Queen Mary's Hostel) for (approx.) 155 students. There is an Old Students' Association.

FEES (per session). Tuition, from 36 to 45 gs. Residence, from 102 to 126 gs. Students' Union (including Athletic Union), £2 : 5s.

PUBLICATIONS. *Prospectus*; *Annual Report*; *Students' Magazine.*

## THE YEAR 1951–52

NEW BUILDINGS. Rebuilding of East Block (destroyed by enemy action) is almost completed and consists of Phys. Dept., Library, Large Hall, Admin. Offices and Main Entrance.

RETIREMENTS. Philippa C. Esdaile (Biol.); Ruth E. Proctor (Hyg.).

DEATH. C. K. Tinkler (Prof. of Chem., 1920–47).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | .. |
| Women | .. | 243 |

Postgraduate students, 8.
New admissions, 61.
Students (full-time) from other countries, 10. (Countries from which largest numbers came: British W. Indies, 2; Egypt, 2; S. Africa, 2.)

DEGREES. B.Sc. (Household and Social Science), 38.

DIPLOMAS. Postgraduate Dietetics, 7.

CERTIFICATES. Institutional Management, 16.

[*Information compiled as at* 20/5/53 ; *Staff list revised on* 24/9/53.]

# QUEEN MARY COLLEGE

Founded 1915, previously established as East London College and originally founded as People's Palace Technical Schools, 1887

*Postal Address* : Mile End Road, London, E.1, England.
*Telephone* : Advance 4211.

CHAIRMAN OF THE GOVERNORS—Sir ALBERT STERN, K.B.E., C.M.G., D.L., M.A.

PRINCIPAL—Sir THOMAS P. CREED, K.B.E., M.C., Q.C., M.A. Oxon.

REGISTRAR—R. P. TONG, O.B.E., M.A. Camb.

LIBRARIAN—A. WHITWORTH, M.A. Leeds.

## TEACHING STAFF

*Botany*

Haines, F. M., Ph.D., D.Sc. Prof.
Newby, H. V., B.Sc. (Agric.), B.Sc. Lectr.
Godward, Maud B. E., M.Sc., Ph.D. Lectr.
Taylor, F. J., M.Sc. Sheff. Asst. Lectr.

*Chemistry*

Dewar, M. J. S., M.A., D.Phil. Oxon. Prof.
Jones, D. C., D.Sc. Wales, Ph.D. Johns H. Reader.
Hickinbottom, W. J., M.Sc., Ph.D., D.Sc. Birm., F.R.I.C. Reader.

Lecturers

French, Cecilie M., B.Sc., Ph.D., F.R.I.C.
Garwood, R. F., B.Sc., Ph.D.
Hudson, R. F., B.Sc., Ph.D.
Neville, H. H., M.A., B.Sc. Aberd., Ph.D.
Grove, Dorothea M., M.A., B.Sc. Oxon., Ph.D. 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.
Ferguson, J., M.A. Camb., B.D. Lectr.
Denny, G. A. W., T.D., M.A. Camb. Lectr.
Hinds, A. E., B.A. Dub. Asst. Lectr.

*Engineering, Aeronautical*

Whitehead, L. G., B.Sc. (Eng.), Ph.D. Reader.
McQuillin, L. A., M.A. Oxon. Lectr.
Cohen, M. J., B.Sc., B.Sc. (Eng.) Demr.

*Engineering, Civil and Mechanical*, v. also Engin., Aero.

Giffen, E., M.Sc. Belf., D.Sc., Ph.D. Prof.

King, J. W. H., M.Sc. Manc. Reader.
Hampson, H., M.Sc. (Tech.) Manc. Reader.

Lecturers

Daniel, A. W. T., M.A. Camb.
Webb, C. R., B.Sc. (Eng.), Ph.D.
Lavender, J. G., B.Sc. (Eng.).
Gadd, D., M.Sc. (Eng.).
Overy, B. B., M.A. Camb., M.Sc.
Owczarek, J. A., Dipl. Ing.

*Engineering, Electrical*

John, W. J., B.Sc., D.I.C. Prof.
Stoner, C. R., B.Sc. Reader.

Lecturers

Fortescue, R. L., M.A. Camb.
Tropper, H., Dip.Ing. Vienna, Ph.D.
Mansfield, W. K., B.Sc.
Walker, G. B., M.A. Glas., Ph.D.
Lewis, T. J., B.Sc. (Eng.), Ph.D. Henley Res. Fellow in Electrical Engin.
Guile, A. E., B.Sc. (Eng.) Asst. Lectr.

*English Lang. and Lit.*

Isaacs, J., M.A. Oxon. Prof.
Callan, N. R., M.A. Camb. Reader.

Lecturers

Timmer, B. J., Litt.D. Groningen.
Thompson, Marjorie, M.A.
Hammond, Hope, M.A. Camb.
Hussey, S. S., M.A.

*French Lang. and Lit.*

Collas, J. P., B.A., B.Litt. Oxon. Prof.
Rozelaar, L. A., M.A. Lectr.
Derome, R., M.A. Georgia, L. ès L. Paris Lectr.
Holmes, Peggy P., B.A., Ph.D. Asst. Lectr.
Worthing, Beatrice M., B.A., Ph.D. Asst. Lectr.

*Geography*

Smailes, A. E., M.A. Reader.
Mutton, Alice F. A., M.A., Ph.D. Lectr.
Everard, C. E., M.Sc. Lectr.
Sheppard, June A., M.A. Asst. Lectr.

*Geology*

Kirkaldy, J. F., D.Sc. Reader.
Whitten, G. H. T., B.Sc. Lectr.
Middlemiss, F. A., B Sc Asst Lectr.

*German Lang. and Lit*

Hatto, A. T , M.A. Prof.
..... Lectr.
Rüdenberg, W. Lectr.

*History, Modern*

Bindoff, S. T., M.A Prof.
Chew, Helena M , M A , Ph.D. Reader.
Leslie, R. F., B.A., Ph.D. Lectr.
Harvey, Barbara F., M.A. Oxon. Asst. Lectr.

*Mathematics, Pure and Applied*

Ferraro, V. C. A., B.Sc., Ph.D. Lond., D.I.C., F.R.A.S. Prof.
Hirsch, K. A., D.Phil. Berl., Ph.D. Camb. 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. Lectr.
Gliddon, J. E. C., M.Sc. Lectr.
Gruenberg, K. W., M.A. Camb. Asst. Lectr.

*Physics*

Jones, G. O., M.A., B.Sc. Oxon., Ph.D. Sheff. Prof.
Eisenschitz, R. K., Dr.Phil. Munich Reader.

Lecturers

Irons, E. J., Ph.D., D.Sc.
Leech, J. W., B.Sc., Ph.D.

Heastie, R., B.Sc.
Barker, J. R., B.Sc., Ph.D.
Dobbs, E. R., B.Sc., Ph.D.

*Spanish*
Barragán, J. V. Lectr.

*Zoology*
Smith, J. E., M.A. Camb., B.Sc., Ph.D. Prof.
Newell, G. E., B.Sc., Ph.D. Reader.
Forrest, J. E., B.Sc. Edin., Ph.D. Lectr.
Chapman, G., M.A. Camb., Ph.D. Lectr.
Carthy, J. D., M.A. Camb., Ph.D. Asst. Lectr.
Thomas, Joan M., B.Sc. R'dg. Asst. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Women's Tutor: Peggy P. Holmes, B.A., Ph.D. Warden of Men's Hostel: B. H. Chirgwin, M.A. Oxon., B.Sc. Warden of Women's Hostel: Peggy P. Holmes, B.A., Ph.D.

## GENERAL INFORMATION

Queen Mary College derives from the New Philosophical Institute founded in earlier part of 19th century by J. T. Barber Beaumont to provide educn. for people of the East End. He died in 1841, providing in his will a trust fund for continuation of Inst. The trustees later became associated with the Drapers' Co., with whose assistance the East London Technical Schools were opened in 1887, superseding the New Philosophical Inst. and later known as East London Technical College. With addition of Arts courses, the name was changed to East London College. In 1907 Univ. recognition was granted for instrucn. for Bachelor's and Higher Degrees in Arts, Sci. and Engin. and in 1915 the Coll. was admitted as a School of the Univ. A Royal Charter was granted in 1934 when the Coll.'s name was altered to Queen Mary College in acknowledgment of the honour accorded by Queen Mary in presenting the Charter. Her Majesty became the first Patron and Hon. Fellow of Queen Mary College.

Governed by Governors who include Master and Clerk of Drapers' Co. and representatives of L.C.C., Univ. and Staff. A School of the Univ. in Arts, Sci. and Engin. Degree courses in Arts, Science, Engin. (including Aeronaut. Engin.) and Med.; students proposing to take Med. course at London Hosp. offered special facilities for their studies for Prelim. Med. Examn.

Faculties and Deans. *Arts*, Prof. A. T. Hatto (German); *Science*, Prof. F. M. Haines (Bot.); *Engin.*, Prof. W. J. John (Electr. Engin.). *Dean for Medical Students*, Dr. J. E. Forrest.

Laboratories for res. in Phys., Chem., Electr. Engin. Nuclear Particle Lab. Whitstable Lab. for study of Marine Biology.

Fees from £30 : 2 : 6.

Academic Year. Oct. to July; 3 terms of 10 weeks each.

Residence, etc. For Men (fees for residence and partial board: from £84 p.a.): Elmhurst, High Rd., S. Woodford, London, E.18 (*Telephone*: Buckhurst 1541); accommodates 30 students. For Women (fees for residence and partial board: £100 p.a.): Lynden Hall, High Rd., S. Woodford, London, E.18 (*Telephone*: Buckhurst 1546); accommodates 37 students.

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.

LIBRARY. Is modelled on the Reading Room of the British Museum and contains 46,000 volumes.

PUBLICATIONS. *Prospectus*; *Calendar*, 4s.; *Annual Report*; Student Publications: *The Leopardess*, 1s.; *The Cub*, 4d.

## THE YEAR 1951–52

NEW BUILDING. Nuclear Particle Lab. completed and in use by the end of the Long Vacation 1952.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Professor S. T. Bindoff, Ghent; Dr. E. J. Irons, Ibadan (as Actg. Hd. of Dept. of Phys.).

RESIGNATIONS. Prof. J. R. Sutherland (Engl.), apptd. Lord Northcliffe Prof. of Mod. Engl. Lit. at Univ. Coll., Lond. Prof. G. C. McVittie (Maths.), apptd. Prof. of Astron. at Univ. of Illinois.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 16 | 701 |
| Women | 4 | 240 |
| Total | 20 | 941 |

Postgraduate students, 125.

New admissions, 378.

Students (full-time) from other countries, 42. (Countries from which largest numbers came: Egypt, 8; British W. Africa, 6; India, 5; U.S.A., 5; Canada, 3.)

DEGREES. B.A., 88; B.Sc., 70; B.Sc. (Eng.), 60; M.A., 1; M.Sc. (Eng.), 2; Ph.D. (Arts), 3; Ph.D. (Sci.), 6; Ph.D. (Eng.), 9; D.Sc., 1.

[*Information compiled as at* 20/5/53 ; *Staff list revised on* 24/9/53.]

# ROYAL HOLLOWAY COLLEGE *

Founded 1886

*Postal Address*: Englefield Green, Surrey, England.
*Telegrams*: Royal Holloway College, Englefield Green.
*Telephone*: Egham 114, 414.

CHAIRMAN OF THE COUNCIL—H.R.H. PRINCESS ALICE, COUNTESS OF ATHLONE.

PRINCIPAL—EDITH C. BATHO, M.A., D.Lit.

SECRETARY—DOROTHY HUSTLER, M.B.E.

REGISTRAR—E. DOROTHY P. PARGITER, B.A.

LIBRARIAN—FLORENCE R. ELLISON, B.A. Br. Col., F.L.A.

## TEACHING STAFF

*Botany*

Jane, F. W., Ph.D., D.Sc. Prof.
Madge, Margaret A. P., Ph.D., B.Sc. Lectr. and Asst. Dir. Bot. Lab.
Paxton, R. G., M.Sc. Durh. Lectr.
Hooper, Sheila S., B.Sc. Leeds Asst. Lectr. and Demr.
Brady, Beryl L., B.Sc. Asst. Lectr. and Demr.
Topping, Mrs. M. Phyllis, B.Sc., Ph.D. Visiting Lectr in Biol.
1 Botanical Gardener.

*Chemistry*

Williams, G., D.Sc. Wales, Ph.D. Camb. Prof.
Foster, A. G., B.A., B.Sc. Oxon., Ph.D. Reader.
Singer, K. G., Ph.D. Glas., B.Sc. Lectr.
Bonner, T. G., Ph.D., B.Sc. Lectr.
Bird, Mrs. Gwendoline R., Ph.D., B.Sc. Asst. Lectr. and Demr.
Tyler, Jean M., B.Sc. Asst. Lectr. and Demr.

*Classics*

Tredennick, H., M.A. Camb. Prof.
..... Reader.
Miller, Norma P., M.A. Glas. and Camb. Asst. Lectr.
..... Asst. Lectr.

*English*

Willcock, Gladys D., M.A. Prof.
Tompkins, Joyce M. S., M.A., D.Lit. Reader.
Green, Hilda A. C., M.A. Lectr.
Morgan, Margery M., M.A. Lectr.
Hyde, Isabel, M.A. Camb. Asst. Lectr.

*French*

Hunt, H. J., M.A., D.Phil. Oxon. Prof.
West, Constance B., M.Litt. Camb., Ph.D. (on leave) Lectr.
Brereton, Georgine E., B.A., B.Litt. Oxon. Lectr.

* For women.

Gruvel, Colette, Ag. de l'U. Bordeaux (France) Lectr.
Daniel, Vera J., B.A., Ph.D. Temp. Lectr.
Purkis, Helen M. C., M.A. Oxon., D. de l'U. Paris Asst. Lectr.
2 Assistantes.

*German*

Tymms, R. V., M.A. Oxon. Reader.
Jenkins, S. Patricia, M.A. Lectr.
Salmon, P. B., M.A. Lectr
1 Assistentin.

*History*

Hussey, Joan M., M.A., B.Litt. Oxon., M.A. Camb., Ph.D. Prof.
Latham, R. C., M.A. Camb. Reader.
Powell, Isabel G., M.A. Lectr.
Tomkinson, A., M.A. Oxon. Lectr.
Hughes, Kathleen W., B.A., Ph.D. Asst. Lectr.

*Mathematics*

McCrea, W. H., M.A., Ph.D. Camb., B.Sc., F.R.S., F.R.A.S. (on leave) Prof.
Bradburn, Mary, Ph.D. Edin., M.Sc. Sr. Lectr.
Yates, Barbara G., B.A. Dub. Lectr.
Reed, J. W., B.Sc. Syd. Lectr.
De la Bere, J. C. W., M.A. Camb. Asst. Lectr.
Hartley, E. Mary, M.A., Ph.D. Camb. Asst. Lectr.
1 Temp. Asst. Lectr.

*Music*

Scourse, Joan C., B.Mus. Lectr.
Legge, B. Pompilia, M.A. Oxon. Asst. Lectr.
Parker, Jean, F.R.C.O. Pt.-time Asst.

*Physics*

Tolansky, S., B.Sc. Durh., Ph.D. Durh. and Lond., D.Sc. Manc., F.R.S., F.R.A.S. Prof.
Smith, C. J., Ph.D., M.Sc. Lectr. and Asst. Dir. Phys. Lab.
Hutten, E. H., Ph.D. Berl. Lectr.
Edmondson, A. S., M.Sc. Lectr.
Jarvis, C. Joan D., B.Sc., Ph.D. Edin. Asst. Lectr. and Demr.
Reynolds, Patricia M., B.Sc. Asst. Lectr. and Demr

*Zoology*

Thomas, Joan G., B.Sc., Ph.D. Lectr.
Duncan, Annie, B.Sc. Asst. Lectr. and Demr.
Barnes, Vera, B.Sc. Edin. Asst. Lectr. and Demr.

## ADMINISTRATIVE AND OTHER STAFF

Residence Officer: M. A. Ruth Dickson, M.A. Glas. Principal's Private Secretary: Annie A. Divine, B.A.; Senior Asst. to the Secretary: M. Betty de M. Beaumont, B.Sc. Edin.; 4 Assts. Assistant Registrar: Avril E. Batstone, M.A. Camb.; 3 Assts. 5 Secretarial Assts. to Academic Depts. 1 Deputy Librarian; 2 Asst. Librarians. Lady Housekeeper: Constance C. Strachan; 2 Assts. Nurses: Marjorie G. Moss; Mrs. Margaret E. Lane.

## 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 £215 a yr. for tuition and residence; lab. fees, 1-2 gs. per yr. for each practical subject. Postgraduates, 10-24 gs.; residence,

£165 a yr. Special subjects (Music, Elocution, Art, etc.), ½-5 gs. a term. Registration, £2. Theoric (covering Union and games subscriptions), £1 : 10s.

ENTRANCE SCHOLARSHIPS. Four £60 Scholarships and eight £40 Scholps. may be awarded each yr. Awarded on basis of Entrance and Scholp. Examn.; eligible for supplementation by Ministry of Educn.; tenable for 3 yrs. subject to satisfactory progress of holder.

STUDENTSHIPS. Open to students of the College and eligible for supplementation by Ministry of Educn. 6 Driver Postgrad. Scholps. Each Scholp. of the value of £40 a yr. Tenable for two sessions. 1 Christie Postgrad. Scholp. Awarded for Hist. Value, £60 a yr. Tenable for two sessions. 1 Katharine Block Postgrad. Studentship. Awarded for Engl. Value, £40 a yr. Tenable for two sessions. 1 Loney Postgrad. Studentship. Awarded for Maths. Value, £40 a yr. Tenable for one session.

LIBRARY. 41,350 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, gymnastics and swimming. Area, 95 acres.

PUBLICATIONS. *Calendar* (Oct.); *Prospectus* (July); *College Letter* (Old Students' Assn.) (Dec.); *Erinna*, 1s. 6d. (Student Magazine) (April).

## THE YEAR 1951–52

NEW BUILDINGS. Woodlands, a property on Egham Hill opposite the Coll., bought to provide further ground for the Univ. Botanical Supply Unit and further residential accomm. for the Coll.

RESIGNATIONS. Dr. R. E. Keller (German,) apptd. Sr. Lectr., Manc. U.; Mrs. E. M. Hunter (Maths.); Miss M. F. Crow (Zool.).

DEATHS. Miss L. M. Faithfull (Lectr. in Hist. and English, 1888–94); Miss E. C. Higgins (Student of the College, 1890–94, Principal, 1907–35); Miss A. Martin Leake (Sec. to the Governors, 1909–16); Miss H. M. R. Murray (Lectr. in Germanic Philol., 1899–1905, Sr. Staff Lectr., 1905–15); Prof. F. W. Oliver (Governor, 1899–1900); Miss J. P. Strachey (Lectr. in French, 1900–1905).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 4 | 17 |
| Women | 1 | 341 |
| Total | 5 | 358 |

Postgraduate students, 51.

New admissions, 117.

Students (full-time) from other countries, 9. (Countries from which largest numbers came: Egypt, 3; India, 2.)

DEGREES AWARDED. *Arts*: B.A., 60; M.A., 3; Ph.D., 3; *Science*: B.Sc., 27; M.Sc., 1; Ph.D., 9. *Total number of first degrees awarded*, 87.

[*Information compiled as at* 19/5/53 ; *Staff list revised on* 24/9/53.]

# ROYAL VETERINARY COLLEGE AND HOSPITAL

Founded 1791 ; admitted as a School of London University in the Faculty of Medicine, Oct. 1, 1949

*Postal Address* : Royal College Street, Camden Town, London, N.W.1, England.
*Telegrams* : Veternosis, London.
*Telephone* : Euston 5321.

CHAIRMAN OF THE EXECUTIVE COUNCIL—Professor Sir CHARLES LOVATT EVANS, LL.D., D.Sc., F.R.C.P., F.R.S.

PRINCIPAL AND DEAN—Professor J. BASIL BUXTON, M.A., F.R.C.V.S., D.V.H.

BURSAR AND SECRETARY—H. W. J. ADAMS, B.A., F.C.I.S.

## TEACHING STAFF

*Anatomy*

McCunn, J. Prof.
Dyce, K. M., B.Sc. Edin. Lectr.
Merlen, R. H. A. Asst. Lectr.
Drury, F. S. Asst. Lectr.

*Animal Husbandry and Veterinary Hygiene*

Scorgie, N. J., M.A., B.Sc. Aberd. Prof
Abrams, J. T., M.Sc., Ph.D. Lectr.
Harrop, A. E. Lectr.
Offord, E. C. Asst. Lectr.
Sainsbury, D. W. B., B.Sc. Asst. Lectr.

*Bacteriology*

Lovell, R., D.Sc., D.V.S.M. Manc., Ph.D. Reader.
Smith, J. E., B.Sc. Lectr.

*Biochemistry*

Marchant, R. H., B.Sc. Lectr.
Brundritt, Eileen, B.Sc. R'dg. Asst. Lectr.

*Biology*

Jackson, J. H., M.A., B.Sc. Aberd. College Reader.
Nisbet, R. H., B.Sc. Lectr.
Hunnam, Nora M., B.Sc. Asst. Lectr.

*Chemistry and Physics*

Clarke, E. G. C., M.A. Oxon., Ph.D. R'dg. Lectr.
Hawkins, A. E., B.Sc. Lectr.
Kefford, G. W., B.Sc. Asst. Lectr.
Treharne - Williams, Margaret, M.A. Camb. Asst. Lectr.
Armstrong, D. M. G., B.Sc. Asst. Lectr.

*Histology and Embryology*

Creed, R. F. S., M.A. Lectr.
Marrable, A. W., B.Sc. Lectr.
Gan, J. K., D.Sc. Paris Asst. Lectr.

*Jurisprudence*

Lishman, T. Lectr.

*Medicine, Veterinary*

Burrow, H., D.V.S.M., F.R.San.I. Prof.
Allen, H. R. Reader.
Holmes, J. W. H., D.V.S.M. Reader.
Daykin, P. W., B.Sc. Lectr.
Greatorex, J. C., F.R.San.I. Lectr.
Lewis, E. F., F.R.San.I. Lectr.
Faull, W. B., B.Sc. Asst. Lectr.
Laing, P. W., B.Sc. Asst. Lectr.

*Parasitology*

Oldham, J. N., B.Sc., Ph.D. Edin. Reader.
Beresford-Jones, W. P., M.A. Lectr.
James, Phyllis M., B.Sc. Wales Asst. Lectr.

*Pathology, Veterinary*

Bosworth, T. J., M.A. Camb., B.Sc., D.V.S.M. Prof.
Cotchin, E. College Reader.
Ingram, P. L., B.Sc. Lectr.
Pay, T. W. F., B.Sc. Lectr.
Fowler, N. G. Asst. Lectr.
Hawksley, M. B., B.Sc. Asst. Lectr.
Jones, B. V. Asst. Lectr.

*Pharmacology*

Rosenberg, H., M.D. Berl., Ph.D. Reader.
Jewell, P. A., M.A., B.Sc., Ph.D. Lectr.

*Physiology*

Amoroso, E. C., B.Sc., M.B., B.Ch., B.A.O. N.U.I., Ph.D. Prof.
Bell, F. R., B.Sc. Durh., Ph.D. Lectr.
Hill, Margaret, B.Sc., Ph.D. Asst. Lectr.
Lawn, A. M. Lectr.
Kellas, Lorna, B.Sc. Aberd., Ph.D. Asst. Lectr.

*Surgery, Veterinary*

Formston, C., F.R.C.V.S. Prof.
Arthur, G. H., M.V.Sc. Liv. Reader.
Knight, G. C., F.R.C.V.S. Reader.
Douglas, S. W. Lectr.
Yeats, J. J. Lectr.
Vaughan, L. C. Lectr.
Johnson, Audrey I. House Surgeon.
Weaver, Barbara M. Q. House Surgeon.

## GENERAL INFORMATION

HISTORY AND CONSTITUTION. The Veterinary College of London was formed in 1791 under the presidency of the Duke of Northumberland, beginning with fourteen students upon the site at Camden Town that it occupies to-day. In 1875 the College received its first Charter of Incorporation from Queen Victoria. In 1936 a new Charter was granted. The College, which since 1906 has had Recognized Teachers of the Univ. of Lond., was admitted as a Sch. of the Univ. in the Fac. of Med. with effect from October 1949. It offers courses for registrable qualifications in veterinary med. and surg. Men and women students alike are admitted.

The Library includes a wide range of books and periodicals on veterinary and allied subjects and is available for use by students.

FEES. Tuition fees £51 p.a.

ACADEMIC YEAR. Oct. to June. Three terms of ten weeks each.

STUDENT HEALTH SERVICE. The Coll. is affiliated to the Student Health Association of Univ. Coll., Lond. Students may consult the physician at stated times at the Royal Vet. Coll. and at all other times at the Health Centre of University College.

STUDENTS' UNION. Clubs and Societies, scientific, athletic and cultural, are open to all students.

PUBLICATIONS. *Prospectus*; *Annual Report*; *Incisor* (student magazine).

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 361 |
| Women | .. | 22 |
| Total | .. | 383 |

Postgraduate students, 3.

New admissions, 75.

Students (full-time) from other countries, 19. (Countries from which largest numbers came: Federation of Malaya, 3; Pakistan, 3; S. Africa, 3.)

[*Information compiled as at* 26/5/53 ; *Staff list revised on* 24/9/53.]

# SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

*Postal Address* : University of London, London, W.C.1, England.
*Telegrams and Cables* : Soasul, Phone, London.
*Telephone* : Museum 2023/4/5, 8732.

PATRON—H.M. THE QUEEN.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF THE GOVERNING BODY—The Rt. Hon. THE EARL OF SCARBROUGH, K.G., G.C.S.I., G.C.I.E., T.D., D.C.L. Durh.

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*

Clark T. W., O.B.E., M.A. Lectr.

*Gujarati*

Dave, T. N., M.A., B.T. Bom., Ph.D. Lectr.

*Hindustani*

Judd, Capt. A. R. Temp. Lectr.

*History of Indian Art*

Rawson, P., M.A. Lectr.

*Indian Archæology*

Codrington, K. de B., M.A. Camb. Prof.

*Indian Music*

Bake, A. A., D.Litt. Utrecht, M.A. Oxon. Reader.

*Indian Philosophy*

Friedman, D., D.Litt. Leiden Lectr.

*Indo-Aryan*

Williams, R. H. B., B.A., Ph.D. Lectr.

*Marathi*

Lambert, Hester M., M.A. Camb. (The Maharajah Gaekwad's Lectr.) Sr. Lectr.

*Modern Indian Studies*

Fynn, Sheila M., B.A. Asst. Lectr.

*Nepali (and Hindi)*

Burton-Page, J., M.A. Oxon. 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, M.A. Oxon. Reader.

Gray, J. E. B., B.A. Dub. Lectr.

*Sinhalese*

Fernando, P. E. E., M.A. Lectr.

*Tamil and Telugu*

Pathy, C. S. K., M.A. Edin. Lectr.
Thompson, M. S. H., B.A. Madr. Temp. Pt.-time 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., M.A. Oxon. Temp. Lectr.

*Cambodian*

Stead, Judith M., B.A. Camb. and Leeds Lectr.

*History of South-East Asia*

Hall, D. G. E., M.A., D.Lit. Prof.

*Malay*

Brown, C. C., B.A. Camb. Lectr.
Lewis, M. Blanche, B.A. Wales Lectr.

*Môn*

Shorto, H. L., M.A. Camb. Lectr.

*Oceanic Languages*

Milner, G. B., M.A. Camb. Lectr.

*Old Javanese*

Hooykaas, C., D.Litt. Leiden Reader.

*South-East Asian Studies*

Luce, G. H., C.B.E., M.A. Camb. Visiting Lectr.

*Tai*

Simmonds, E. H. S., M.A. Oxon. Lectr.

*Tibeto-Burman Languages*

Forrest, R. A. D., M.A. Aberd. Lectr.

*Vietnamese*

Honey, P. J., B.A. Lectr.

**Department of the Far East**

*Chinese*

Edwards, Eve D., M.A., D.Lit. Prof.
Simon, W., Dr.Phil. Berl., D.Lit. Prof.

Lecturers

Birch, C., B.A.
Chinnery, J. D., B.A.
Downer, G. B., B.A.
Graham, A. C., B.A. Oxon., B.A.
Lee, Y., B.A. Peking.
Liu, J. J., B.A. Peking, M.A. Brist.
Locke, Marjorie A., B.A., Ph.D.
Malmquist, N. G. D., M.A., Lic. Phil. Stockholm Temp. Lectr.
Simon, H. F., B.A.
Tai, C. H., B.A. Peking, M.A. Col.
Watkins, D. E., M.A. Oxon., B.A.
Whitaker, Mrs. Katherine P. K., B.A. Hong Kong, M.A. Oxon., Ph.D.
Waley, A. D., M.A. Camb., LL.D. Aberd., F.B.A. (C. Poetry) Hon. Lectr.

*Chinese Philosophy*

Lau, D. C., B.A. Hong Kong, M.A. Glas. Lectr.

*Japanese*

Daniels, F. J., B.Sc. (Econ.) Reader.

Lecturers

Dore, R. P., B.A.
Dunn, C. J., B.A.
Matsukawa, B.
Mills, D. E., M.A. Camb., B.A.
O'Neill, P. G., B.A.
Yanada, S., M.Econ. Tokyo.

*Korean*

Zong In-Sob, M.A. Tokyo Lectr.

*Tibetan*

Snellgrove, D. L., B.A. Camb., Ph.D. Lectr.

**Department of the Near and Middle East**

*Ancient Semitic Languages and Civilizations*

Smith, S., M.A., Litt.D. Camb., F.B.A., F.S.A. Prof.

*Arabic*

Guillaume, A., M.A., D.D. Oxon. Prof.

Serjeant, R. B., M.A. Edin., Ph.D. Camb. Reader.

Lecturers

Arafat, W., B.A.

Azzam, M. A., M.A. Cairo.

Cowan, D., M.A.

Fakhry, M., M.A. Beirut, Ph.D. Edin.

Hopkins, J. F. P., B.A. Camb.

Jones, J. M. B., M.A.

*Armenian*

Topalian, S. Sr. Lectr.

*Central Asian Studies*

Henning, W. B., Dr.Phil. Gött. Prof.

Boyce, Norah E. M., M.A., Ph.D. Camb. (Iranian) Lectr.

*Georgian*

Lang, D. M., M.A., Ph.D. Camb. Lectr.

*Hebrew, Modern*

Wartski, I., B.A. (Ahad Ha'am Lectr.) Sr. Lectr.

Segal, J. B., M.C., M.A. Camb., D.Phil. Oxon. Lectr.

*Hebrew Palæography and Epigraphy*

Birnbaum, S. A., Dr.Phil. Würzb. Lectr.

*Islamic Art and Archæology*

Rice, D. S., D. de l'U. Paris Reader.

*Kurdish*

Edmonds, C. J., C.M.G., C.B.E. Temp. Pt.-time Lectr.

*Persian*

Lambton, Ann K. S., O.B.E., B.A., Ph.D. 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*

Lecturers

Arnott, D. W., M.A. Camb.

Berry, J., B.A. Leeds, Ph.D.

Rowlands, Rev. E. C., M.B.E., M.A. Camb.

Winston, F. D. D., B.A. Camb.

*African Music*

Jones, Rev. A. M., M.A. Oxon. Temp. Lectr.

*Bantu Languages*

Guthrie, M., Ph.D., B.Sc. (Eng.) Prof.

Lecturers

Atkins, W. G., M.A. Oxon., D.Phil. Prague (E. Bantu Langs.).

Benson, T. G., M.A. Camb.

Rycroft, D. K., B.A. Rand.

Westphal, E. O. J., M.A. Rand. (S. Bantu Langs.)

*Cushitic Languages*

Andrzejewski, B. W., B.A. Oxon. Lectr.

*Hausa*

Parsons, F. W., B.A. Oxon. Lectr.

*Swahili*

Hollingsworth, L. W., M.B.E., B.A., Ph.D. Sr. Lectr.
Harries, Rev. L. P., M.A. Oxon. Lectr.

**Department of Phonetics and Linguistics**

*Linguistics*

Firth, J. R., O.B.E., M.A. Leeds (General Linguistics) Prof.

Lecturers

Albrow, K. H., B.A.
Allen, W. S., M.A., Ph.D. Camb. (Comparative L.).
Hughes, H. G. A., M.A. Oxon.
Mitchell, T. F., B.A.
Palmer, F. R., M.A. Oxon.
Robins, R. H., M.A. Oxon.

*Phonetics*

Scott, N. C., B.A., B.Sc. Reader.
Henderson, Eugénie J. A., B.A. Reader.
Whitley, Mrs. Eileen M., B.A. Sr. Lectr.

Lecturers

Carnochan, J., B.A.
Jones, W. E., M.A. Leeds.
Price, P. I., B.A.
Sharp, A. E., M.A. Camb.
Sprigg, R. K., M.A. Camb.
Waterson, Mrs. Natalie, B.A.

**Department of History**

*History of Eastern Africa*

Lecturers

Oliver, R. A., M.A., Ph.D. Camb.
Hamilton, R. A., M.A. Oxon.

*History of India and Further India*

Philips, C. H., M.A. Liv., Ph.D. (Oriental Hist.) Prof.
Basham, A. L., B.A., Ph.D. Reader.
Ballhatchet, K. A., M.A. Camb. (Mod. Ind. Hist.) Lectr.
Hardy, P., M.A. Camb., Ph.D. (Muslim Period) Lectr.
Harrison, J. B., B.A. Camb. (Mod. Ind. Hist.) Lectr.

*History of South-East Asia*

Hall, D. G. E., M.A., D.Lit. Prof.
Cowan, C. D., M.A. Camb. Lectr.
Tinker, H. R., M.A. Camb., Ph.D. Lectr.

*History of the Far East*

..... Prof.
Beasley, W. G., B.A., Ph.D. Lectr.
Pulley Blank, E. G., B.A. Alta., Ph.D. Lectr.
van der Sprenkel, O. P. N. B., B.Sc. (Econ.) Lectr.

*History of the Near and Middle East*

Lewis, B., B.A., Ph.D. Prof.
Bowen, H. C. Reader.
Maitland-Muller, D. G., B.A. Lectr.
Parry, V. J., B.A. Oxon. and Wales Lectr.

*History of West Africa*

Jones, D. H., B.A. Liv. Lectr.

**Department of Law**

Anderson, J. N. D., O.B.E., M.A., LL.B. Camb. (Oriental L.) Reader.

Lecturers

Allott, A. N., B.A. Oxon. (African L.).
Derrett, J. D. M., M.A. Oxon., Ph.D. (Hindu L.).
Gledhill, A., M.A. Camb. (Indian and Burmese L.).
Kader, Shaikh A., 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.

*East African Languages and Cultures*

Huntingford, G. W. B., B.Sc. Oxon. — Lectr.

*Indian Anthropology*

Dube, S. C., B.A., Ph.D. Nag. — Temp. Lectr.

*Language and Culture with special reference to South-East Asia*

Mills, J. P., C.S.I., C.I.E., M.A. Oxon. — Reader.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Sec.: J. R. Bracken, M.A., B.Litt. Oxon. Accountant: Sheila E. H. Smith, B.A. Asst. Accountant: Beryl R. Hadland. Registrar: Kathleen M. Wooding, M.A. Oxon. Organizer of Special Courses: M. Gatehouse, B.A. Camb. Librarian: J. D. Pearson, M.A. Camb. Deputy Librarian: R. J. Hoy, B.Sc. (Econ.), F.L.A.

The PERCIVAL DAVID FOUNDATION OF CHINESE ART. Acting Hd.: Prof. Eve D. Edwards, M.A., D.Lit. Sec.-Librarian: Betsy W. D. Martin, M.A. Glas. Curator: Sheila J. Yorke Hardy.

## GENERAL INFORMATION

HISTORY. As a result of the recommendations of the Reay Cttee. in 1908, the School was established by Royal Charter in 1916 as the "School of Oriental Studies, London Institution," in Finsbury Circus; it was granted the status of a School of the Univ. and was later allocated space for a permanent (not yet fully completed) bldg. on the Bloomsbury site of the Univ. In 1938 among other amendments to the Charter the title of the Sch. was changed to "School of Oriental and African Studies." At outbreak of second World War it moved to Christ's Coll., Camb., but later returned to Lond. A large no. of intensive courses were given for service personnel, esp. in Chinese, Japanese, Burmese, Arabic, Turkish, Persian and Urdu, and much translation work was done for the various Ministries as well as censorship duties. Largely as a result of the Sch.'s initiative an Interdepartmental Commission was set up under the Earl of Scarbrough's chairmanship to report on the provision for teaching and res. at Univ. level in Oriental, Slavonic, E. European and African studies. The Commission recommended a substantial expansion of existing facilities and from 1947 large grants for Oriental and African studies have been made by the U.G.C. In accordance with the Commission's recommendation that the whole field of Oriental and African Studies should be developed in Lond., as against a more restricted development in other Univs., the Sch. devoted its energies in the 1st post-war quinquennium to building up strong, coherent academic depts., in which a proper balance is sought as between linguistic and cultural studies, and the classical and modern aspects of those studies. Since then the staff has been steadily strengthened by numerous new appts.

CONSTITUTION. A School of the Univ. in Facs. of Arts and Laws. The School is constituted in nine Depts.: I. India, Pakistan and Ceylon. II. S.-E. Asia and the Islands. III. Far East. IV. Near and Middle East. V. Africa. VI. Phonetics and Linguistics. VII. Hist. VIII. Law. IX. Cultural Anthropol. Teaching provided in many langs. and in hist., laws, religions and customs of Oriental and African countries. Special facilities for res. work.

The PERCIVAL DAVID FOUNDATION OF CHINESE ART (*Postal Address*: 53 Gordon Square, London, W.C.1.; *Telephone*: Euston 3909), attached to and administered by the School, comprises Collection of Chinese Ceramics and associated library presented to Univ. by Sir Percival David in 1950, to which was added in 1952 a large collection of Chinese monochrome porcelains given by the Hon. Mountstuart W. Elphinstone. Its object is promotion and teaching of art and culture of China and surrounding region.

LIBRARY. Approx. 155,000 printed books and pamphlets, and 1500 manuscripts, inc. approx. 16,000 books in the library of Sir Reginald Johnston.

COMMERCIAL COURSES. The Sch. is prepared to provide intensive courses to meet the requirements of staff of British firms engaged in overseas commerce, subject to a sufficient demand. They will normally include intensive lang. study and lectures on hist., culture, law, religions and commerce of the area concerned. Details from Organizer of Special Courses.

COLONIAL SERVICE COURSES. Lang. instrucn. is provided for those Colonial Administrative Service Probationers who are assigned by the Colonial Office to the Univ. of London for their prelim. trng. Courses in lang. are also provided for officers of the Service home on leave.

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. 5 Governing Body Undergrad. Scholps. (value £40 p.a.) offered annually on results of examn. held by London Intercollegiate Scholarships Board (tenable for 3 sessions). Governing Body Postgrad. Exhibitions, value £40, tenable for one session with possibility of renewal. Max. of 4 Exhibitioners at any one time.

STUDENT UNION. All School students entitled to facilities, including membership of Jr. Common Room, facilities for sport and social clubs. Affiliated to Univ. Union.

PUBLICATIONS. *Calendar* (free); *Annual Report* (free); *Bulletin* (30s. per part).

## THE YEAR 1951–52

PATRONAGE OF THE SCHOOL. H.M. the Queen was graciously pleased to grant her patronage to the School.

SUBSTANTIAL BENEFACTIONS. *Commonwealth Govts.*: India, General Funds, £1000; Nizam's Readership in Urdu, £250; Lectureship in Marathi, £254: 10s.; Pakistan, £500; Ceylon, £500. *Colonial Govts.*: Nigeria, £500; Uganda, £500; Tanganyika, £500; Gold Coast, £500; Kenya, £200; Sierra Leone, £200; Northern Rhodesia, £100; Somaliland Protectorate, £100; Hong Kong, £350; Malaya, £365; Singapore, £210. *Other Contributors*: Govt. of Sudan, £400; Anglo-Iranian Oil Co., Ltd., £2000; Iraq Petroleum Co., Ltd., £2000; Burmah-Shell Oil Co. Ltd., £500; Shell Petroleum Co. Ltd., £1262: 10s.; Anglo-Egyptian Oilfields, Ltd., £262: 10s.; Kuwait Oil Co., Ltd., £250; The Nathan and Adolphe Haendler Charity, £400; China Assocn.'s Sch. of Practical Chinese, £250; The Humanitarian Trust, £100; National Bank of India, Ltd., £95.

THE PERCIVAL DAVID FOUNDATION OF CHINESE ART. Foundation formally opened on June 10, 1952, by Chancellor of the Univ., the Rt. Hon. the Earl of Athlone, who was accompanied by H.R.H. Princess Alice. Galleries opened to public on June 16, 1952.

NEW POSTS. 12 new Lectrs., 1 Asst. Lectr., 10 Assts.

COMMERCIAL COURSES. 10 courses, to which 10 different firms sent representatives, arranged in Arabic, Hindustani, Japanese, Law, and Phonetics and Linguistics.

COLONIAL SERVICE COURSES. 44 Cadets allocated to Lond. and 3 wives attended for 2 days a wk. for lang. instrucn. in Depts. of S.E. Asia and the Islands; Africa; and Phonetics and Linguistics. 3 Officers home on leave chose lang. or Oriental Laws as optional subj. for Devonshire II course and recd. instrucn. at the Sch. In addition, 47 Administrative and Specialist Officers attended courses varying from a few wks.' instrucn. to 2 terms in Depts. of S.E. Asia and the Islands; the Far East; and Africa.

BEQUEST. Bequest made to Sch. under will of late Mrs. M. H. Morrison for furtherance of study of Tibetan and allied langs.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. R. R. Arat, Istanbul; G. H. Luce, formerly of Rangoon; Prof. H. C. Ray, Ceylon; B. Harrison, Malaya.

VISITS OF MEMBERS OF THE STAFF TO OTHER UNIVERSITIES. Dr. A. L. Basham, Ceylon, Hist. of Anc. India; Prof. C. H. Philips, Malaya; 15 other members of staff granted leave to visit other countries for res., lectures and similar duties.

RETIREMENTS. Mrs. G. S. Ch'in (Chinese); Dr. P. N. Kulshreshtha (Hindi).

RESIGNATION. R. M. Ormsby-Martin (Hist. of Far East).

DEATHS. Commander N. E. Isemonger (formerly Lectr. in Japanese, 1921–35, and Sr. Lectr., 1935–43); D. J. Manley (Lectr. in Mende, 1946–51).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 236 | 170 |
| Women | 63 | 34 |
| Total | 299 | 204 |

Postgraduate students, 82.

New admissions, 369.

Students (full-time) from other countries, 94. (Countries from which largest numbers came: India, 24; Egypt, 12; Pakistan, 10; Ceylon, 5; China, 5.)

[*Information compiled as at* 17/6/53 ; *Staff list revised on* 24/9/53.]

# SCHOOL OF PHARMACY

Founded 1842 ; incorporated by Royal Charter 1952

*Postal Address* : 17 Bloomsbury Square, London, W.C.1, England.
*Telephone* : Holborn 7456.

CHAIRMAN OF COUNCIL—Sir HARRY JEPHCOTT, M.Sc., F.R.I.C.

DEAN—Professor H. BERRY, B.Sc., Dip.Bact., F.R.I.C.

SECRETARY—S. R. CURTIS, B.A.

## APPOINTED AND RECOGNIZED TEACHERS

*Pharmaceutical Chemistry*

Linnell, W. H., M.Sc., Ph.D. Durh., D.Sc., F.R.I.C. Prof.
Saunders, L., B.Sc., Ph.D., F.R.I.C. Sr. Lectr.
Sharp, L. K., B.Sc., Ph.D., F.R.I.C. Lectr.

*Pharmaceutics*

Berry, H., B.Sc., Dip.Bact., F.R.I.C. Prof.
Shotton, E., B.Sc., F.R.I.C. Sr. Lectr.
Cook, A. M., B.Pharm., Ph.D. Lectr.

*Pharmacognosy*

Fairbairn, J. W., B.Sc., Ph.D., F.L.S. Reader.

*Pharmacology*

Buttle, G. A. H., O.B.E., M.A. Camb. Wellcome Prof.
Somers, G. F., B.Sc., Ph.D. Lectr.
Zaimis, Eleanor J., M.D., B.Sc. Athens 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. A Royal Charter of Incorporation was granted to the School in 1952. The Council of the School, as now constituted, includes representatives of the Univ. of London, the Pharmaceutical Society and the Academic Board, as well as certain co-opted members. There is an Academic Board which acts in an advisory capacity. The School will move to a new building in Brunswick Sq. as soon as this is completed.

All undergraduate entrants to the School work for the B.Pharm. Hons. degree. All depts. of the School are available for postgraduate and research work, and the respective Professors and Heads of Depts. are always prepared to advise students wishing to undertake research.

All students are entitled to use the Library of the Pharmaceutical Society, which is in the same building.

The School is open to men and women students. 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*), 10 ; others, 22.

## THE YEAR 1951–52

The School continued to occupy addtl. premises, made available by Birkbeck Coll. and Royal Veterinary Coll. and Hospital, as temporary alleviation of overcrowding during delay in completion of new bldg.

STUDENTS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 3 | 68 |
| Women | 3 | 30 |
| Total | 6 | 98 |

Postgraduate students, 15 (13 full-time men ; 2 part-time, 1 man and 1 woman).

New admissions, 32 (18 men, 14 women).

Students (full-time) from other countries, 19. (Countries from which largest numbers came : Egypt, 8 ; British W. Africa, 3 ; India, 3 ; U.S.A., 2.)

DEGREES AWARDED. B.Pharm. (Hons.), 25 ; Ph.D., 8.

[*Information compiled as at* 28/5/53 ; *Staff list revised on* 24/9/53.]

# UNIVERSITY COLLEGE

Founded 1826 ; incorporated in the University of London, 1907

*Postal Address* : Gower St., London, W.C.1, England.
*Telegrams and Cables* : University College London.
*Telephone* : Euston 4400.

CHAIRMAN OF THE COLLEGE COMMITTEE—The Rt. Hon. LORD COHEN.

VICE-CHAIRMAN—.....

TREASURER—Sir FREDERICK JAMES, C.B.E.

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.
Abercrombie, M., M.A., B.Sc. Oxon. (Embryol.) Reader.
Richardson, K. C., M.Sc. W.Aust. (Histol.) Reader.
Aitken, J. T., M.D. Glas. (Anat.) Reader.
Ludford, R. J., D.Sc., Ph.D. (Cytol.) Hon. Lectr.
Shanks, S. C., M.D. Glas., F.R.C.P., F.F.R. Hon. Radiologist.

Lecturers

Evans, D. H. Lodwick, M.B., B.S.
Hamlyn, L. H., M.B., B.S.
James, D. W., M.B., B.S.
Quilliam, T. A., M.B., B.S., D.L.O.
Sholl, D. A., B.Sc.

Assistant Lecturers

Deuchar, Elizabeth M., Ph.D. Edin.
Flint, M. H., M.B., B.S.
Henderson, Ursula E., M.B., B.S.
Lytton, B., M.B., B.S.
Murray, J. G., M.B., Ch.B. Aberd., F.R.C.S.
Johnson, Minnie L., B.Sc., Ph.D. Birm. Hon. Res. Assoc.
Roberts, F., M.Sc. Harv. Hon. Res. Assoc.

Hon. Research Assts.

Carr, Edna B., Ph.D.
Cragg, B. G., M.A. Camb.
Heaysman, Joan E. M., Ph.D.
Jungmann, H., M.D. Berl.
Mitra, N. L., M.B., B.S. Patna, Ph.D.
Santler, Joyce E. G., B.Sc.
Stratmann, C. J., M.Sc., Ph.D. Melb.
Thomas, P. K., B.Sc., M.B., B.S.
Stanier, J. P., B.A. Camb. Res. Asst.
Venning, P. Radiographer.
Turlington, E. Rosalind Artist.

Blount, W. P., T.D., Ph.D., F.R.C.V.S.
Hon. Vet. Consultant in Fac. of Med. Sciences.

*Anthropology*

Forde, C. D., Ph.D. Prof.
Kaberry, Phyllis M., M.A. Syd., Ph.D. Reader.
Barnicot, N. A., Ph.D. (Physical Anthropol.) Reader.
Douglas, Mrs. M. Mary, M.A., B.Sc. Oxon. Lectr.
Ladell, W. S. S., B.A., M.B., B.Ch. Camb. Hon. Lectr.
Smith, Mrs. Marian W., Ph.D. Col. Hon. Res. Assoc.
Higgin, Mrs. Davida W., B.S. Ill., M.A. Chic. Asst. Lectr.
Powell, H. A., B.A. Asst. Lectr.
Littlewood, Margaret A., B.A. Res. Asst.
Rehfisch, F. M., B.A. Calif. Res. Asst.
Barnes, J. A., D.S.C., M.A., Ph.D. Camb. Hon. Res. Asst.

*Archæology*

Robertson, C. M., M.A. Camb. (Classical Art and Archæol.) Yates Prof.

*Architecture* (Bartlett School)

Corfiato, H. O., F.S.A., F.R.I.B.A. Prof.
Wilson, H. Warren
Sr. Lectr. and Dir. of Div. of Decoration.
Ritchie, T., F.R.I.B.A. (Building Construction) Sr. Lectr.
Hyde, S., F.R.I.B.A. Sr. Lectr.
White-Cooper, R. C., M.C., B.A., F.R.I.B.A.
Sr. Lectr. and Tutor.

Lecturers

Crockett, G. A., B.A., F.R.I.B.A., F.R.S.A.
Eden, W. A., M.A. Liv., F.S.A., F.R.I.B.A.
Foyle, A. M., B.A. (Arch.).
Plant, C. G. H.
Smeed, C. W. J.
Thomson, S. L., F.R.I.B.A.
Richardson, E. G., B.A., D.Sc., Ph.D. (Acoustics) Hon. Lectr.

*Art* (Slade School of Fine Art)

Coldstream, W. M., C.B.E.
Slade Prof. and Hd. of Slade School.
Gerrard, A. H. (Sculpture) Prof.
Wittkower, R., Ph.D. Berl.
(Hist. of Art) Durning-Lawrence Prof.
Townsend, W. Lectr.
Jenkin, I. E. T., M.A. Camb.
Sec. and Tutor

22 Assts.

*Astronomy*

Allen, C. W., D.Sc. W.Aust.
Perren Prof. and Dir. of Observatory.
Sweet, P. A., M.A., Ph.D. Camb.
Lectr. and Asst. Dir. of Observatory.
Foster, E. W., B.Sc. Lectr.
Garstang, R. H., M.A. Camb. Lectr.

*Bibliography*, v. English and Librarianship

*Biochemistry*

Baldwin, E. H. F., Ph.D. Camb. Prof.
Kerly, L. Margaret, M.A. Camb., Ph.D. Reader.
Crook, E. M., M.Sc. Melb., Ph.D. Camb. Reader.

Lecturers

Datta, S. P., B.Sc., M.B., B.S.
Greenbaum, A. L., Ph.D.
Law, Kathleen, M.Sc. Melb., Ph.D.
Ottaway, J. H., Ph.D.
Albert, Prof. A., D.Sc., Ph.D. Hon. Lectr.
Dent, C. E., B.Sc., Ph.D., M.D., F.R.I.C. Hon. Lectr.
Gray, Prof. C. H., M.D., D.Sc., F.R.I.C. Hon. Lectr.

Work, Mrs. Elizabeth, B.A. Camb., D.Sc. Hon. Lectr.
Rees, K., Ph.D. Hon. Res. Asst
Stone, B. A., B Sc. Melb. Hon. Res. Asst.

*Biophysics*

Katz, B., M.D. Leipzig, Ph.D., D.Sc., F.R.S. Prof.
Abbott, B. C., Ph.D. (on leave) Lectr.
Harris, E. J., Ph.D., D.I.C. Lectr.
Burke, W., B.Sc. Asst. Lectr.
del Castillo-Nicolau, J., M.D. Madrid Asst. Lectr.
Caldwell, P. C., M.A., D.Phil. Oxon. Hon. Res. Asst.
Downing, A. C. Asst.
Parkinson, J. L. Asst. and Faculty Supt.

*Botany*

Pearsall, W. H., D.Sc. Manc., F.R.S Quain Prof.
Fogg, G. E., Ph.D. Camb., B.Sc. Reader.

Lecturers

Bell, P. R., M.A. Camb.
Fowden, L., Ph.D.
Gorham, E., M.Sc. Dal., Ph.D.
Harrison, J. H., M.Sc. Durh., Ph.D. Belf.
Syrett, P. J., M.A. Camb.
Tristram, H., B.Sc. Sheff.
White, D. J. B., Ph.D.
Beruh, Sonja, B.Sc. Asst. Lectr.
Harrison, Mrs. Yolande H., Ph.D. Durh. Asst. Lectr.
Gorham, Mrs. Ada V., B.Sc. Dal. Res. Asst.
Collyer, Dorothy M., B.Sc. Hon. Res. Asst.
Dadd, C. C., B.Sc. Hon. Res. Asst.
Miller, J. D. A., B.Sc. Durh. Hon. Res. Asst.

1 Quain Student.

*Chemical Engineering*, v. Engineering

*Chemistry*

Ingold, C. K., D.Sc., F.R.S. Prof. and Dir. of Labs.
Hughes, E. D., Ph.D. Wales, D.Sc., F.R.I.C., F.R.S. Prof.
Lonsdale, Kathleen, D.Sc., F.R.S. Prof.
Terrey, H., B.Sc. 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.
Maccoll, A., M.Sc. Syd., Ph.D. Reader.
Day, J. N. E., M.Sc., Ph.D. Sr. Lectr.
Gilbert, L. F., B.Sc., F.R.I.C. Sr. Lectr.

Lecturers

Allen, A. D., B.Sc.
Bunton, C. A., Ph.D.
de la Mare, P. B. D., M.Sc. N.Z., Ph.D.
Gillespie, R. J., Ph.D. (on leave).
Llewellen, D. R., D.Phil. Oxon.
Millen, D. J., Ph.D.
Vernon, C. A., B.Sc.
Wassermann, A., Ph.D. Munich, D.Sc.
Ridd, J. H., Ph.D. Asst. Lectr.
Pocker, Y., M.Sc. Jerusalem, Ph.D. Temp. Asst. Lectr.

*Civil and Municipal Engineering*, v. Engineering

*Classics*

Skutsch, O., Dr.Phil. 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.

Lecturers

Browning, R., M.A. Glas. and Oxon. (Latin and Gk.).

Cunningham, Margaret L., B.A. Oxon. (Gk. and Latin).
Furley, D. J., M.A. Camb. (Gk. and Latin).
Handley, E. W., M.A. Camb. (Gk. and Latin).
Kells, J. H., M.A. (Latin and Gk.).
Willis, J. A., Ph.D. (Latin and Gk.) Lectr.
Coffey, M., B.A. Manc. and Camb. (Latin and Gk.) Asst. Lectr.
1 Asst.

*Danish*, v. Scandinavian

*Dutch History and Institutions*, v. History

*Economics*, v. Polit. Econ.

*Egyptology and Coptic*
Emery, W. B., M.B.E., M.A. Liv., F.S.A. Edwards Prof.
Arkell, A. J., M.B.E., M.C., B.Litt. Oxon., F.S.A. 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.
Barnard, J. A., Ph.D., D.I.C. Lectr.
Norman, W. S., M.Sc. Liv., Ph.D. Lectr.
Thorp, H. W., B.Sc. 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 Photogrammetry) Prof.
Jessop, H. T., T.D., M.Sc., F.I.P. (Photoelasticity) Reader.
Capper, P. L., T.D., M.Sc. (Eng.) Sr. Lectr.
Delafield, Prof. M. E., M.C., B.A., M.B., B.Chir., D.P.H., F.R.San.I. Camb. (Hygiene) Sp. Lectr.

Lecturers
Andren, C. P., M.Sc. (Eng.).
Biddle, C. A., M.A. Camb., F.R.I.C.S.
Elvery, R. H., B.Sc. (Eng.).
Kemp, K. O., B.Sc. (Eng.).
Kemp, P. H., B.Sc. (Eng.).
Miskin, E. A., M.A. Oxon., B.Sc. Sheff., Ph.D.
Oakley, H. R., M.Sc. (Eng.).
Snell, C., M.Sc.
Wilkins, R. J., M.Sc. (Eng.).
Coackley, P., B.Sc. Manc. Res. Asst.
Dewey, D. L., M.A. Camb. Res. Asst.
2 Demrs.

*Engineering, Electrical*
Barlow, H. E. M., B.Sc. Eng., Ph.D. Pender Prof. and Dir. of Labs.
Brailsford, F., B.Sc. (Eng.), Ph.D. Prof.
Marriott, H., B.Eng. Sheff., B.Sc. (Econ.) Sr. Lectr.
Cullen, A. L., B.Sc. (Eng.), Ph.D. Lectr. and Dep. Supt. of Res. Labs.
Brookes, B. C., M.A. Oxon. Lectr.

Gimson, C. E., M.Sc. (Eng.) Nott. Lectr.
Kenshole, G. E., B.Sc. (Eng.), B.A. Lectr.
Parr, G. Lectr.
MacGregor-Morris, Prof. J. T., D.Sc. (Eng.) Hon. Research Assoc.
1 Asst.

*Engineering, Mechanical*

Lloyd-Evans, B. J., M.Sc. (Eng.), Ph.D. Kennedy Prof.

Lecturers

Billett, H., B.Sc. (Eng.) Birm.
Jackson, K. L., M.Sc. (Eng.).
Lambert, T. H., B.Sc. (Eng.).
Massey, B. S., B.Sc. (Eng.), Ph.D.
Walker, T. H., M.Eng. Sheff.

*English*

Smith, A. H., O.B.E., Ph.D. Leeds, D.Lit. Quain Prof.
Sutherland, J. R., M.A. Aberd., B.Litt. Oxon. Lord Northcliffe Prof.
Jenkins, H., D.Litt., M.A. Rand. Reader.
Greg, Sir Walter, Litt.D. Camb., D.Litt. Oxon., LL.D. Edin., F.B.A. (Bibliogr.) Hon. Lectr.
Husbands, H. Winifred, M.A. Sr. Lectr. and Asst. Tutor.
Kane, G. J., M.A. Tor., Ph.D. Reader.

Lecturers

Brown, A., M.A. (on leave).
Haddakin, Mrs. Lilian F., M.A., Ph.D.
Hulme, Hilda M., M.A., Ph.D.
Nowottny, Mrs. Winifred M. T., M.A.
Quirk, C. R., M.A., Ph.D.
Spencer, T. J. B., Ph.D.
Ivy, G. S., M.A. Camb. and Prin. Asst. Lectr.
Sisson, Rosemary A., M.Litt. Camb., B.A. Asst. Lectr.
3 Assts., 1 Quain Student.

*Eugenics, Biometry and Genetics*

Haldane, J. B. S., M.A. Oxon. and Camb., D. de l'U. Paris, Hon. D.Sc. Groningen, F.R.S. (Biometry) Weldon Prof. and Hd. of Dept.
Penrose, L. S., M.A., M.D. Camb., F.R.S. (Eugenics) Galton Prof.
Grüneberg, H., Ph.D. Berl., M.D. Bonn, D.Sc. (Genetics) Reader.

Lecturers

Holt, Mrs. Sarah B., B.Sc. Brist., Ph.D. (Eugenics).
Kalmus, H., M.D., D.Sc. Prague (Eugenics).
Karn, M. Noel, M.A. Camb. (Eugenics).
Smith, C. A. B., M.A., Ph.D. Camb. (Eugenics).
Spurway, Helen, Ph.D. (Genetics).
Bell, Julia, M.A. Dub., F.R.C.P. (Eugenics) Hon. Res. Assoc.
Harris, H., M.A., M.D. Camb. (Eugenics) Hon. Lectr.
Lawler, Mrs. Sylvia D., M.D. (Eugenics) Hon. Res. Asst.
Mittwoch, Ursula, Ph.D. (Eugenics) Hon. Res. Asst.
Truslove, Gillian M., Ph.D. Hon. Res. Asst.

*French*, v. also Hist.

Woledge, B., M.A. Leeds, D. de l'U. Paris Fielden Prof.
Schlumberger, Beatrice J., M.A. Sr. Lectr.
Tancock, L. W., Ph.D. Sr. Lectr.
Starke, Dora, M.A. Lectr. and Asst. Tutor.

Lecturers

Hall, G., Ph.D.
Jeaffreson, J. W., M.A.
King, C. D., Ph.D.
Lequet, A. E. A., L. ès L., D.E.S. Paris, B.A.

Smith, C., M.A. Manc., Ph.D.
Walker, D. P., Ph.D. Oxon.
4 Assts.

*Geography*

Darby, H. C., O.B.E., M.A., Ph.D. Camb. Prof.
Fleure, Prof. H. J., M.A. Manc., D.Sc. Wales, LL.D. Edin., Sc.D. Bowdoin, Maine, F.R.S. Hon. Lectr.
Brown, E. H., M.Sc. Wales (on leave) Lectr.
Coppock, J. T., B.A. Camb. Lectr.
Mead, W. R., M.Sc. (Econ.), Ph.D. Lectr.
Packard, W. P., M.A. N.Z. Lectr. and Asst. Tutor.
Pattison, W. D., Ph.B., M.A. Chic. Lectr.
Law, B. R., B.Sc. (Econ.) Asst. Lectr.
Gentilcore, R. L., Ph.D. Maryland Temp. Lectr.
Prince, H. C., B.A. Asst. Lectr.
Sinnhuber, K. A., D.Phil. Innsbruck Asst. Lectr.
..... Res. Asst.
..... Res. Asst.

*Geology*

Hollingworth, S. E., M.A. Camb., D.Sc. Yates-Goldsmid Prof.
Barnard, T., Ph.D., D.I.C. Lectr.
Bradshaw, R., M.Sc. Lectr.
Capewell, J. G., Ph.D. Leeds Lectr.
Wells, M. K., M.Sc., Ph.D. Lectr.
Temple, J. T., M.A., Ph.D. Camb. Asst. Lectr.
Hudson, R. G. S., D.Sc. Hon. Lectr.

*German*

Forster, L. W., M.A. Camb., Dr.Phil. Basle Prof.
Wilkinson, Elizabeth M., Ph.D. (on leave) Reader.
Schwarz, W., M.A., Ph.D. Lectr. and Asst. Tutor.
Wells, G. A., M.A. Lectr.
Hamburger, M. P. L., M.A. Oxon. Asst. Lectr.
Rowley, B. A., M.A. Camb. Asst. Lectr.

*Hebrew*

Stein, S., Ph.D. Heidel. Goldsmid Sr. Lectr.
Wiesenberg, E., Ph.D. Lectr.
Weiss, J. G., M.A. Jerusalem Asst. Lectr.

*History*

Neale, J. E., M.A. Liv. and Manc., D.Litt. Wales, F.B.A. (Engl. H.) Astor Prof. and Hd. of Dept.
Bellot, H. Hale, M.A. Oxon. (Amer. H.) Commonwealth Fund Prof.
Humphreys, R. A., O.B.E., M.A., Ph.D. Camb. (Latin Amer. H.) Prof.
Momigliano, A. D., M.A. Oxon., D.Litt. Turin (Ancient H.) Prof.
Renier, G. J., Phil.Lit. Cand. Ghent, Ph.D. (Dutch H. and Institns.) Prof.
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. (Engl. H.) Lectr. and Asst. Tutor.

Lecturers

Barrow, G. W. S., M.A. St. And., B.Litt. Oxon. (Engl. H.).
Christie, I. R., M.A. Oxon. (Engl. H.).
Drower, Margaret S., M.B.E., B.A. (Ancient H.).
Hurstfield, J., B.A. (Engl. H.).
Morris, J. R., B.A. Oxon. (Ancient H.).

Taylor, A. J., M.A. Manc. (Engl. H.).
Pole, J. R., B.A. Oxon. (Amer. H.) Asst. Lectr.
Thompson, F. M. L., M.A. Oxon. (Engl. H.) Asst. Lectr.
Miller, Helen J., M.A. (Engl. H.) Res. Asst.

*Italian*

Weiss, R., B.A. Oxon. Prof.
Duncan, D. S., B.A. Lectr.
Aquilecchia, G., Dott. Lett. Rome Asst. Lectr.

*Laws*

Keeton, G. W., M.A., LL.D. Camb. (Engl. L.) Prof., Hd. Dept. of Laws.
Williams, G. 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. Tübingen, Ph.D. (Internat. L.) Reader.
O'Sullivan, R., Q.C. (English L.) Hon. Lectr.

Lecturers

Cheng, B., Ph.D. (Internat. L.).
Green, L. C., LL.B. (Internat. L.).
Holland, D. C., M.A. Camb. (English L.).
Ivamy, E. R. H., Ph.D. (English L.).
Marshall, O. R., M.A. Camb., Ph.D. (English L.).
Payne, D. J., LL.B.
Scamell, E. H., LL.M. (English L.).
Strange, Susan, B.Sc. (Econ.) (Internat. Relations).
Latham, Miss Valentine, LL.M. Asst. Lectr.
Parkinson, F., B.A. (Internat. L.) Asst. Lectr.
Prevezer, S., B.A. Camb. (English L.) Asst. Lectr.

*Librarianship*

Irwin, R., M.A. Oxon., F.L.A. Dir. and Tutor.
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.
Arnold, D. V., B.Sc., F.L.A. (Special Libraries).
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).
Vollans, R. F., F.L.A. (Public Libraries).
1 Demr.

*Mathematics*

Davenport, H., M.A. Manc., Sc.D. Camb., F.R.S. Astor Prof. and Hd. of Dept.
Dean, W. R., M.A. Camb. Goldsmid Prof.

Readers

Wren, T. L., M.A. Camb. (Geom.).
Bosanquet, L. S., M.A., D.Sc., D.Phil. Oxon.
Estermann, T., D.Nat.Sc. Hamburg, D.Sc.
Rogers, C. A., D.Sc.
Stevenson, A. C., M.Sc.
Kestelman, H., M.Sc. Reader and Asst. Tutor.
Harris, F. C., M.Sc., Ph.D. Sr. Lectr.

Lecturers

Archbold, J. W., M.A. Camb.
Capildeo, R., M.Sc., Ph.D.
Rigby, Constance M., M.A. Oxon., Ph.D.
Roth, K. F., B.A. Camb., M.Sc., Ph.D.
Wigglesworth, L. A., M.Sc.

Assistant Lecturers
Michael, D. H., B.Sc. Wales.
Power, E. A., M.Sc., Ph.D. (on leave).
Richardson, T. H., M.Sc., D.I.C.
1 Demr.

*Mechanical Engineering*, v. Engineering

*Municipal Engineering*, v. Engineering, Civil

*Norwegian*, v. Scandinavian Studies

*Pharmacology*
Winton, F. R., M.A., M.D. Camb., D.Sc. Prof.
Schild, H. O., M.D. Munich, Ph.D. Edin., D.Sc. Reader.
Paton, W. D. M., M.A., B.M., B.Ch. Oxon. (P. and Therap.) Reader.
Dicker, S. E., M.D. Brussels, Ph.D., D.Sc. Brist. Lectr.
Mongar, J. L., Ph.D. Lectr.
Kennard, D. W., M.B., B.S. Asst. Lectr.
Bergel, Prof. F., D.Phil.Nat. Freiburg, Ph.D., D.Sc., F.R.I.C. (Pharmacol. Chem.) Hon. Lectr.
Danielli, Prof. J. F., Ph.D. Camb. and Lond., D.Sc. (Cell P.) Hon. Lectr.
Feldberg, W. S., M.A. Camb., M.D. Berl., F.R.S. Hon. Lectr.
Trevan, J. W., B.Sc., M.B., B.S., F.R.C.P., F.R.S. Hon. Lectr.
Work, T. S., Ph.D., D.Sc. (Chemotherapy) Hon. Lectr.
Steinberg, Hannah R., B.A. Hon. Res. Asst.

*Philology*
Szemerényi, O. J. L., Dr.Phil. Budapest Lectr.

*Philosophy*
Ayer, A. J., M.A. Oxon., F.B.A. (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. Lectr.
Thomson, J. F., D.F.C., B.A. Lectr.
Watling, J. L., B.Sc. Asst. Lectr.
1 Asst.

*Phonetics*
Fry, D. B., Ph.D. (Exper. P.) Reader and Head of Dept.
Coustenoble, Hélène, D.Lit. Reader.
Lecturers
Arnold, G. F., B.A.
Chapallaz, Marguerite, M.A.
Denes, P., M.Sc. Manc.
Gimson, A. C., B.A.
O'Connor, J. D., B.A.
Pring, J. T., M.A. Oxon.
Tooley, Olive M., B.A.
Trim, J. L. M., B.A.

*Physics*
Massey, H. S. W., M.Sc. Melb., Ph.D. Camb., F.R.S. Quain Prof. and Dir. of Labs.
Gibbs, R. E., D.Sc., F.I.P. Reader and Dep. Dir. of 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.
Brown, R. C., Ph.D. Sr. Lectr.
Lecturers
Boyd, R. L. F., B.Sc. (Eng.), Ph.D.
Castillejo, L., B.A. Camb., B.Sc. (Eng.).
Dodd, C., Ph.D.
Fox, J. W., Ph.D.
Griffith, T. C., Ph.D. Wales.

Hasted, J. B., M.A., D.Phil. Oxon.
Henderson, C., Ph.D.
Heyland, G. R., Ph.D.
Heymann, F. F., B.Sc. (Eng.), Cape T.
Jennings, R. E., Ph.D.
Seaton, M. J., Ph.D.
Wood, D. O., M.Sc., F.I.P.
Heddle, D. W. O., B.Sc. R'dg. Exp. Res. Asst.

Hon. Research Associates

Stephenson, G., Ph.D., D.I.C.
Watson, Prof. H. E., D.Sc., F.R.I.C.

Hon. Research Assistants

Bernal, M. J. M., Ph.D.
Erskine, G. A., Ph.D.
Morris, N., Ph.D. Wales.
Smith, E. J., Ph.D. Durh.
Swan, P., M.Sc. Melb.
1 Asst.

*Physiology*

Brown, G. L., C.B.E., M.Sc., M.B., Ch.B. Manc., F.R.S. (Physiol.) Jodrell Prof.
Gray, J. A. B., M.A., M.B., B.Chir. Camb. Reader.
Eggleton, M. Grace, D.Sc. Sr. Lectr.
Daly, M. de B., M.A., M.B., B.Ch. Camb. Lectr.
Harkness, R. D., B.Sc., M.B., B.S. Lectr.
Hutter, O. F., B.Sc. Lectr.
Lewis, H. E., B.Sc., M.B., Ch.B. Cape T. Lectr.
Lippold, O. C. J., M.B., B.S. Lectr.
Pascoe, J. E., B.Sc. Lectr.
Sears, T. A., B.Sc. Asst. Lectr.
Wright, P. G., B.Sc. Asst. Lectr.
Ritchie, Mrs. Brenda R., B.Sc. 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., LL.D., M.D. St. And., M.A., D.Sc., Ph.D., F.R.C.S., F.A.C.S.
Hill, Prof. A. V., C.H., O.B.E., Sc.D. Camb., LL.D. Belf. and Edin., D.Sc. Oxon., Manc., Liège, Johns H., M.D. Louvain, F.R.S.
Wilkie, D. R., M.D. Yale, M.B., B.S.

Hon. Research Assistants

Goffart, M., M.D. Brussels.
Harkness, Mrs. Margaret L. R., B.Sc.
Ness, A. R., B.Sc.
Sato, M., M.D. Tokyo.
Shea, S. M., M.Sc., M.B., B.Ch. N.U.I.
Shuster, S., M.B., B.S.
1 Sharpey Scholar. 1 Asst.

*Political Economy*

Allen, G. C., M.Com., Ph.D. Birm. Prof.
Bowley, Marian E. A., B.Sc. (Econ.), Ph.D. Reader.
Tout, H., C.M.G., M.A. Oxon. Reader.
Stonier, A. W., M.A. Oxon., D.Phil. Heid. Sr. Lectr. and Tutor.

Lecturers

Corlett, W. J., M.A. Camb.
Donnithorne, Audrey G., M.A. Oxon.
Hague, D. C., M.Com. Birm.
Lanner, J., B.Sc. (Econ.).
Nicholson, Patricia A., B.A. Oxon.
Maurice, Rita J., B.Sc. (Econ.) Asst. Lectr.
Kay, A., B.Sc. (Econ.) Res. Asst.

*Psychology*

Russell, R. W., M.A. Clark, Ph.D. Virginia Prof.
Whitfield, J. W., M.A. Camb. Reader.
Flugel, J. C., B.A. Oxon., D.Sc. Sp. Lectr.

Lecturers
Banks, E. K. Charlotte, Ph.D.
de Monchaux, Cecily, B.A. Syd., Ph.D. Lond.
Eysenck, H. J., Ph.D.
James, P. H. R., B.A. Camb.
Jonckheere, A. R., B.Sc.
Keir, Gertrude H., M.A. St. And.
Rawlings, Grace, B.A.
Summerfield, A., B.Sc. Manc. and Lond.
Kelvin, R. P., B.A. Oxon. Asst. Lectr.
Miller, K. M., B.A. Melb. Asst. Lectr.
Davis, Norah M., M.A. Camb., Ph.D. Hon. Res. Assoc.
Marriott, R., M.Sc. Manc. Hon. Res. Assoc.
1 Demr. 1 Asst.

*Scandinavian Studies*
Smith, Prof. A. H., O.B.E., Ph.D. Leeds, D.Lit. Director.
Koefoed, H. A., cand. mag. Copenhagen (Danish) Queen Alexandra Lectr.
Stöverud, T., Cand. philol. Oslo (Norwegian) W. P. Ker Lectr.
Olsson, Y. B., Fil. lic. Gothenburg (Swedish) Crown Princess Louise Lectr.
Foote, P. G., M.A. (Old Scandinavian) 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. (on leave) Lectr.
Heathcote, N. H. de V., Ph.D. Lectr.

*Semitic (North) Epigraphy*, v. *supra*, Hebrew

*Statistics*
Pearson, E. S., C.B.E., M.A. Camb., D.Sc. Prof.
David, Florence N., D.Sc. Reader.
Hartley, H. O., Ph.D. Berl. and Camb. (on leave) Lectr.
Johnson, N. L., M.Sc., Ph.D., F.I.A. Lectr.
Please, N. W., B.Sc. Lectr.
Barton, D. E., M.Sc. Asst. Lectr.
Moore, P. G., B.Sc. (on leave) Asst. Lectr.
Merrington, Mrs. Maxine P. M., B.Sc. Demr. and Res. Asst.

*Surveying*, v. *supra*, Engin., Civil

*Town Planning*
Holford, Sir William, 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.
Glass, Mrs. Ruth, M.A. Col. Hon. Res. Assoc.

*Zoology & Comparative Anatomy*
Medawar, P. B., M.A., D.Sc. Oxon., F.R.S. Jodrell Prof.
Wells, G. P., M.A., Sc.D. Camb. Reader.
Freeman, R. B., M.B.E., M.A. Oxon. (Taxonomy) Reader.

Hon. Research Associates
Fraser, Elizabeth A., D.Sc.
Mackinnon, Prof. Doris L., D.Sc., LL.D. Aberd.
Watson, Prof. D. M. S., D.Sc. Cape T., Manc., Rand., LL.D. Aberd., F.R.S.

Lecturers
Boycott, B. B., B.Sc.
Newth, D. R., Ph.D.
Ross, D. M., M.A. Dal., Ph.D. Camb.
Stevenson, J. P., B.Sc.

Whitby, Pauline, B.A. Oxon.
Whitear, Mary, Ph.D.
Kermack, K. A., Ph.D. (Biol. Stats.).

Assistant Lecturers

Robinson, Pamela L., B.Sc.
Smith, J. Maynard, B.A. Camb., B.Sc.

Hon. Research Assistants

Billingham, R. E., M.A., D.Phil. Oxon.
Comfort, A., M.A., M.B., B Ch. Camb., Ph.D.
Fox, H., Ph.D.
McLaren, Anne L., M.A. Oxon.
Michie, D., M.A. Oxon.
Townend, Joyce.

## ADMINISTRATIVE AND OTHER STAFF

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TUTORS. Sr. Tutor and Tutor to Arts Students: R. D. McLellan, Ph.D. Tutor to Laws Students: O. R. Marshall, M.A. Camb., Ph.D. Tutor to Science Students: R. E. Gibbs, D.Sc., F.I.P. Tutor to Engin. Students: H. Marriott, B.Eng. Sheff., B.Sc. (Econ.). Tutor to Medical Students: K. C. Richardson, M.Sc. W.Aust. Tutor to Women Students: Diana Lewton Brain, B.A. Adviser to Postgrad. Students: T. J. B. Spencer, Ph.D. Supervisor of Dental Students: R. D. Harkness, B.Sc., M.B., B.S.

LIBRARY. Dep. Librarian: K. Garside, M.A. Leeds.

WARDENS OF HALLS OF RESIDENCE. R. B. Freeman, M.B.E., M.A. Oxon. (Bentham Hall); Diana Lewton Brain, B.A. (Campbell Hall).

STUDENT HEALTH CENTRE. Physician-in-Charge: N. B. Malleson, M.A., M.B., B.Chir. Camb.

APPOINTMENTS. Careers Adviser: D. O. Wood, M.Sc., F.I.P.

## GENERAL INFORMATION

Founded in 1826 and opened Oct. 1, 1828, under the name of "The University of London," the College was incorporated as "University College, London," by Royal Charter in 1836. On Jan. 1, 1907, it was incorporated in the University of London.

LIBRARY. The College Library contains about 600,000 books and pamphlets, some of which are inaccessible owing to shortage of accommodation following the destruction of the Library buildings during the war. The 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 of these are among the books not accessible at present.

The libraries of the Folk-Lore Society, the Geologists' Association, the Hertfordshire Natural History Society and Field Club, the Malacological Society, and the London Mathematical Society are deposited in the College Library, whilst those of the Viking Society for Northern Research and of the British Society of Franciscan Studies are now the property of the College.

The library of the Philological Society and the Mocatta Library of Anglo-Jewish History were largely destroyed during the war; the latter 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.

UNIVERSITY OBSERVATORY, Mill Hill Park, London, N.W.7 (*Telephone*: Mill Hill 1618), administered by University Coll. since Aug. 1951. Its work is designed to meet needs of postgrad. res. workers in Astron. Applicn. for admission should be made to the Dir., Prof. C. W. Allen, D.Sc. W.Aust.

FACULTIES AND DEANS. *Arts*, Prof. R. A. Humphreys; *Engineering*, Prof. M. B. Donald; *Laws*, Prof. G. W. Keeton; *Medical Sciences*, Prof. E. H. F. Baldwin; *Science*, Prof. H. Terrey.

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*, Dr. R. D. McLellan (Sr. Tutor); *Engineering*, H. Marriott; *Laws*, Dr. O. R. Marshall; *Medical Sciences*, K. C. Richardson; *Science*, Dr. R. E. Gibbs; *Women Students*, Diana Lewton Brain.

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, Scandinavian Studies, 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 (1953–54). 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 £10,500 (including £2600, Entrance Scholarships).

RESIDENCE. Bentham Hall, Cartwright Gardens, W.C.1 (*Telephone*: Euston 1836), for 148 men. Fees, £110 to £120 per session. Campbell Hall, 5-10 Taviton St., W.C.1, for 110 women. Fees, £110 to £120 per session.

STUDENT HEALTH ASSOCIATION. The Student Health Association, established in 1945, for students and other members of the Coll. Its work is governed by Cttee. representative of Union and Coll. Cttee. Membership, obtained by payment of annual subscription (7s. 6d.), compulsory for all day students paying fee of 8 gs. or more p.a., and optional for others; Health Centre in Coll. for treatment and general health examinations; general practitioner service under N.H.S. Act available to all members of Coll. who register with Assoc.'s physician; dental treatment; annual mass radiography survey.

PUBLICATIONS. *Calendar* (Oct.), 8s. 6d.; *Annual Report*; *University College, London, 1826–1926*, by Prof. H. Hale Bellot (University of London Press; enquiries to University College), 25s.; various Faculty and Departmental *Prospectuses*.

## THE YEAR 1951–52

BENEFACTIONS. Agricultural Research Council, (*a*) grant not exceeding £669 for investigation in Dept. of Eugenics, Biometry and Genetics on "Quasi-Continuous Variation in the Mouse," (*b*) grant not exceeding £587 for res. on biochem. of parasitism; Anglo-Iranian Oil Co. Ltd., £500 for gen. res. in Dept. of Chem. Engin.; A. Bossom, approx. £600 for presentation medals and certifs. for exhibitions of drawings from Schools of Archit. in Commonwealth to be organized by Bartlett School of Archit.; Boots Pure Drug Co. Ltd., £2000 for use in Dept. of Chem. Engin.; British Steel Founders' Assocn., £4000, over 2 yrs., for developing Flying Spot Microscope in Dept. of Anat.; Cement & Concrete Assocn., £250 p.a. for 2 yrs. for scholp for Concrete res. in Dept. of Civil & Municipal Engin.; Chadwick Trustees, £400 for continuation in 1951–52 of scholp. for res. in Public Health Engin.; Danish Ministry of Educn., kr. 2000 for purchase of works in Danish lit.; D.S.I.R., £4000 for purchase of a 17-MeV electron synchrotron for Dept. of Phys.; Ford Foundation, approx. £1200 to enable Dept. of Psychol. to participate in res. programme in inter-group relations in Europe organized by Inst. of Soc. Res. in Norway; Sir Alexander Gibb & Partners, financial provision for scholp. in Engin., value £200 p.a.; Home Office Children's Dept., £500 for res. in Dept. of Psychol. into results of trng. and after-care in sr. girls' approved schls.; Mrs. H. A. Lake Barnett, approx. £500 to assist Coll. in arranging in Library books of Folk-Lore Soc.'s Library and of Coote Lake Folk-Lore Collection; late Dr. E. P. Metcalfe, bequest of £1000 for general purposes of Coll.; Ministry of Supply, approx. £3280 over 2 yrs. for investigation in Dept. of Elect. Engin. of micro-wave conductivity of metallic surfaces; late Miss Rosa Morison, £1087, share of residuary estate for use in connexion with Fac. of Arts; Nuffield Foundation, (*a*) £650 for apparatus and £200 p.a. for 2 yrs. for res. in

Dept. of Zool., (*b*) £6050 for equipment and £1000 p.a. for 5 yrs. for res. in Dept. of Biophys.; Shell Petroleum Co. Ltd., £100 p.a. for 2 yrs. to assist undergrad. students to undertake field mapping.

NEW BUILDINGS. Reconstrucn. of central Main Bldg. after war damage neared completion under dir. of Prof. A. E. Richardson; Dept. of French moved into part of top floor in Sept. 1951 and Library took possession of North end of bldg. in April 1952, using remainder of top floor as a bookstack and first floor as reading rooms; Northern part of Ground floor occupied by Women's Staff Common Room, Jt. Staff Common Room and Postgrad. Common Room. Work in S. Junction contd. and expected to be completed in 1953. Structural work to N. Junction nearing completion; this bldg. will accommodate Men's Staff Common Room and Sci. Library in Spring of 1953; construcn. proceeding of New Phys. Bldg. adjoining, which is expected to be in use by Oct. 1953. Additl. storey on Anat. Bldg. completed and occupied by Med. Scis. Fac. Construcn. of new bldg. to house library, offices and teaching rooms at Univ. Observatory at Mill Hill commenced in June 1952 and completion expected in Spring of 1953.

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. 13,210 persons attended public lectures, including 2815 at lunch-hour lectures.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. W. Abendroth, Marburg-Lahn, to dept. of Laws; Prof. P. E. Arias, Bologna, "Relazioni fra l'arte etrusca e l'arte greca"; Prof. W. Bargmann, Kiel, "The Hypothalamus and the Neuro-Hypophysis"; J. B. Bessinger, Harv., to dept. of English; Prof. L. E. J. Brouwer, Amst., 4 Shearman Memorial Lectures on "Outline of Intuitionism"; Prof. R. B. Cattell, Ill., to dept. of Psychol.; Prof. G. B. Cressey, Syracuse, "The U.S.S.R."; Prof. T. Donaldson, Visiting Guggenheim Fellow, Yale, to dept. of English; Prof. J. T. Edsall, Harv. Med. Sch., 5 lectures on "Chemical Structure, Interaction and Fractionation of Proteins"; Dr. U. H. A. Hölscher, Munich, to dept. of Gk.; Dr. G. Illuminati, Rome, to dept. of Chem.; Prof. E. C. Kirkland, Bowdoin Coll., 8 Commonwealth Fund Lectures; Dr. C. J. Lambertsen, Penn., to dept. of Physiol.; Prof. A. L. Lehninger, Chic., 4 lectures on "Mitochondria and Biological Oxidations and Phosphorylations"; Dr. K. Mahler, Manc., "Transcendental Numbers"; Prof. H. Meyer, Amst., "Wilhelm Raabe"; Prof. L. J. Mordell, Camb., "Cubic Equations in Three Variables with an Infinity of Integer Solutions"; W. A. Pantin, Oxon., Seton Memorial Lecture on "John of Wales and Mediæval Humanism"; Prof. G. Pfeifer, Heidel., "Recent Developments in Economic Geography in Germany"; Dr. K. L. Pike, Mich., "Phonetic and Phonemic Analysis"; Dr. L. Short, A.N.U., 2 lectures on "Infra-red Spectroscopy"; Prof. C. L. Siegel, Prin. and Gött., "Indefinite Quadratic Forms"; Dr. G. Ström, Lund., to dept. of Physiol.; Dr. A. W. Tickner, Canada, to dept. of Phys.; Dr. H. Wood, A.N.U., 2 lectures on "Alkaloids"; Prof. H. Zilliacus, Helsinki, "The Use of 'Royal We' in Greek down to the Byzantine Age."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. J. Ayer (Philos.), Bologna, Brussels, Rome, Milan; Prof. E. H. F. Baldwin (Biochem.), Oxon.; Prof. H. E. Barlow (Elect. Engin.), Camb.; Dr. A. C. Crombie (Hist. and Philos. of Sci.), Wales; Dr. A. L. Cullen (Elect. Engin.), Camb.; Prof. J. B. S. Haldane (Biomet.), India; Prof. C. K. Ingold (Chem.), Sweden, Switzerland, Can., N.Z., Aust., Malaya; Prof. G. W. Keeton (Laws), Rand.;

Prof. Kathleen Lonsdale (Chem.), Harv.; Prof. H. S. W. Massey (Phys.), Syd.; Dr. C. R. Quirk (English), Michigan; Prof. R. W. Russell (Psychol.), St. And., Belf., S. Calif.; Dr. G. Schwarzenberger (Laws), Ghent; Dr. Helen Spurway (Biom.), India; Dr. A. Wasserman (Chem.), Zürich; Prof. T. B. L. Webster (Gk.), Göteborg; Prof. R. Weiss (Ital.), Pisa, Naples, Paris; Dr. Elizabeth Wilkinson (German), Mainz, Freiburg, Tübingen; Prof. F. R. Winton (Pharm.), N.Y.; Prof. J. Z. Young (Anat.), America.

RESIGNATIONS. G. Causey (Anat.), apptd. to Chair of Anat., Royal Coll. of Surgeons; E. H. Davis (Civil and Mun. Engin.), apptd. to Lectureship, Syd. U.; L. Stuart Stanley (Archit.); R. C. Vaughan (Civil and Mun. Engin.), apptd. to Chair of Civil Engin., Hong Kong.; F. L. Warren (Biochem.), apptd. to Chair of Biochem., Lond. Hosp. Med. Coll.

DEATHS. C. W. Bayliss (Sr. Lectr., Elect. Engin.); S. J. F. Philpott (Sr. Lectr., Psychol.); A. Schweitzer (Reader, Exper. Physiol.).

IMPORTANT EVENTS. Assembly of Coll. Facs. (July 3, 1952); Special Visitor—Sir Maurice Bowra.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 477 | 2011 |
| Women | 298 | 632 |
| Total | 775 | 2643 |

Postgraduate students, 729.

Undergraduates (full-time) entering the College for the first time, 751.

Students (full-time) from other countries, 624. (Countries from which largest numbers came: India, 69; Egypt, 45; U.S.A., 42; France, 38; Australia, 30; Poland, 30; S. Africa, 30.)

DEGREES. B.A., 135; B.A. (Arch.), 10; M.A., 12; Ph.D. (Arts), 18; D.Lit., 1; LL.B., 50; LL.M., 4; B.Sc., 177; M.Sc., 26; Ph.D. (Sci.), 51; D.Sc., 4; B.Sc. (Eng.), 29; M.Sc. (Eng.), 4; Ph.D. (Eng.), 2; B.Sc. (Chem. Eng.), 10; B.Sc. (Econ.), 27; M.Sc. (Econ.), 3; Ph.D. (Med.), 2.

[*Information compiled as at* 28/5/53 ; *Staff list revised on* 24/9/53.]

# WESTFIELD COLLEGE *

Founded 1882 ; incorporated by Royal Charter 1933

*Postal Address* : Kidderpore Avenue, Hampstead, London, N.W.3, England.
*Telephone* : Hampstead 7601.

CHAIRMAN OF COUNCIL—Rt. Rev. THE LORD BISHOP OF WILLESDEN.
PRINCIPAL—KATHLEEN CHESNEY, M.A., D.Litt. Oxon.
SECRETARY TO COUNCIL—ROSALIE M. FORSTER, B.A.

## TEACHING STAFF

*Classics*

Jones, D. M., M.A. Oxon. Prof.
Barratt, Christine, M.A. Oxon. Lectr.
Glanville, Irene M., M.A. Oxon., Ph.D. Lectr.
Jenkinson, Edna M., M.A., Ph.D. Camb. Asst. Lectr.

*English Lang. and Lit.*

Davis, B. E. C., M.A. Oxon. Reader.
White, Beatrice M. I., M.A., D.Lit., F.R.S.L. Reader.
Dorsch, T. S., B.A. Adel., M.A. Oxon. Lectr.
Mackenzie, Eileen K. A., Ph.D. Lectr.
Hill, Betty, M.A. Birm. Asst. Lectr.

*French Lang. and Lit.*

Elcock, W. D., M.A. Oxon. and Manc., L. ès L., D. de l'U. Toulouse Prof.
Dickinson, Gladys, B.A., L. ès L. Lyons Reader.
Chesney, Kathleen, M.A., D.Litt. Oxon. Lectr.
Rutherford, Mrs. Marie-Rose, M.A. Lectr.
Coppock, Mrs. Denise Asst. Lectr.
Van de Sande, Jacqueline, L. ès L. Paris Lectrice.

*German*

Beare, Mary, M.A. Belf., Ph.D. Bonn Reader.
Ganz, P. F., M.A. Lectr.

*History*

Martin, Eveline C., M.A., Ph.D. (Imp. H.) Reader.
Hill, Rosalind M. T., M.A., B.Litt. Oxon., F.S.A. Lectr.
Rubinstein, N., Ph.D. Florence Lectr.
Carsten, F. L., D.Phil. Oxon. Lectr.
Gee, Olive R., M.A., B.Litt. Oxon. Asst. Lectr.

*Italian*

Cremona, J. A., B.A. Asst. Lectr.

*Mathematics, Pure and Applied*

Stanley, Gertrude K., B.Sc. Oxon., M.Sc. Reader.

* For women.

Pennington, W. B., M.A., Ph.D. Camb. Reader.
Hardiman, Nellie J., M.Sc., Ph.D. Lectr.
Fishel, B., B.Sc. Lectr.
Dowker, Mrs. Yael N., M.A. Johns H., Ph.D. Harv. Asst. Lectr.

*Spanish*

Varey, J. E., M.A., Ph.D. Camb. Lectr.

**Maynard Divinity Lecturer**

Very Rev. H. A. Jones, Provost of Leicester.

## ADMINISTRATIVE AND OTHER STAFF

LIBRARIAN. Dorothy M. Moore, B.A. Belf., F.L.A.

REGISTRAR AND PRINCIPAL'S SECRETARY. Marion B. Muriel, M.A. Durh.

FINANCE OFFICER. Gwen Chambers, M.A. Oxon.

DOMESTIC BURSAR. Marion D. McCall.

## GENERAL INFORMATION

Founded in 1882 by Miss Dudin Brown for the higher educn. of women, the Coll. is undenominational, but the Principal must be a member of the Church of England. Governed by a Council which includes the Principal and representatives of the L.C.C., the Univ., the Staff and Old Students. A School of the Univ. in Arts, offering in addition approved courses in Maths. (Hons. and Spec.) in the Fac. of Sci. Situated nr. Hampstead Heath with residential accomm. for 250 students.

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 £145 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. 37,000 vols. and pamphlets and a microfilm reader.

Many members of the Coll. belong either to the Univ. of London Company of the W.R.A.C. (T.A.) or to the Univ. of London Air Squadron.

A *Student Health Service* has been establd. under the care of the Health Officer (S.R.N.) with a sick room and dispensary. The students take part in the Mass Radiography examns. held periodically.

Nearby 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 1951–52

BENEFACTIONS. Legacy of £500 from Miss Winifred Wright (Westfield College 1894–96) which now forms nucleus of Publicns. Fund for benefit of staff and postgrad. students.

RETIREMENT. Miss Perry (Spanish).

RESIGNATION. Dr. Weiss (Maths.), apptd. to Industrial Res. Post, U.S.A.

HON. FELLOW. Mrs. J. L. Stocks elected Hon. Fellow of Coll.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 2 | 3 |
| Women | 6 | 269 |
| Total | 8 | 272 |

Postgraduate students, 18.

New admissions, 89.

Students (full-time) from other countries, 14. (Countries from which largest numbers came: U.S.A., 5; Egypt, 2.)

DEGREES. *Arts*: B.A. Hons., 57; M.A., 3; Ph.D., 2. *Science*: B.Sc. (Spec.), 6; M.Sc., 1.

[*Information compiled as at* 10/5/53 ; *Staff list revised on* 24/9/53.]

# WYE COLLEGE

(THE COLLEGE OF ST. GREGORY AND ST. MARTIN AT WYE)

Founded 1893

*Postal Address* : Wye, Ashford, Kent, England.
*Telegrams and Cables* : College, Wye.
*Stations* : Ashford, 5 m., Wye, ½ m.
*Telephone* : Wye 1.

VISITOR—His Grace the ARCHBISHOP OF CANTERBURY.
CHAIRMAN OF GOVERNING BODY—The Rt. Hon. LORD NORTHBOURNE.
PRINCIPAL—D. SKILBECK, M.A. Oxon. (R.).
VICE-PRINCIPAL AND LIBRARIAN—E. SITA SMYTH, B.A. Brist.
SECRETARY AND REGISTRAR—C. W. A. GARLAND, B.Sc., Dip. Ed. Camb.

## TEACHING STAFF

*Agriculture*

Cooper, M. McG., B.Agr. (Sc.) N.Z., B.Litt. Oxon., Dip. Rur. Econ. Oxon. Prof. (A.).
Davis, A. G., B.S.A. Tor., M.Sc. Wales Lectr. (R.).
Merriden, J. N., B.Sc. (Agric.) Wales, M.Sc. Durh. Lectr.
Maddison, A. E., B.A. Oxon., Dip. Ag. Sc. Camb. Asst. Lectr.
Aldrich, D. T. A., B.Sc. (Agric.) Durh., Dip. Agric. Camb. Asst. Lectr.
Patterson, J. D. Pt.-time Lectr.
Dunkin, A. C., B.Sc. (Agric.) R'dg. (Pig Husb. Res.).
Gregg, A. S., B.Sc. R'dg. (seconded from N.I.A.B.).

*Biological Sciences*

Selman, I. W., B.Sc., Ph.D. Hd. of Dept. (R.).
Harrison, R. M., B.Sc. Lectr. (R.).
Schimmer, Frieda C., M.Sc. Lectr. (R.).
Froud, M. D., B.Sc. Lectr. (PR.).
O'Nians, Eleanor A., B.Sc., Dip. Hort., A.R.C.S.
Allen, Margaret D., B.Sc. Demr.
Neales, T., B.A. Oxon. Demr.

*Economics*

Butler, J. B., M.Sc., M.Com. Birm. Actg. Hd. of Dept. (R.).
Brewin, J. M., M.A. (Agric.) Camb. Agric. Econ.
Campleman, G., B.Sc. (Econ.) Asst. Agric. Econ.
Folley, R. R. W., B.Com. Leeds, B.Sc. Agric. Econ.
Hooper, J. G., Dip. Agric. Inves. Officer.
Lord, R. F., B.Sc. (Agric.) Asst. Agric. Econ.

(A.) = Appointed Teacher.
(PR.) = Recognized Teacher of Univ. of London (Probationary).
(R.) = Recognized Teacher of the Univ. of London.

de Morpurgo, P. G. L., B.Sc. R'dg. Asst. Agric. Econ.
Sykes, J. D., B.Sc. (Agr.) Leeds, Dip. Agr. Econ. Oxon. Asst. Agric. Econ.
Halls, H. G. Inves. Officer.
Wyllie, J., O.B.E., B.Sc. (Agric) Glas. Sr. Res. Fellow (R).

*Hops*

Thompson, F. C., B.Sc., M.Sc. (Agric. Chem) Durh. Sr. Scientific Officer.
Beard, F. H., Dip. Hort. Sr. Exp. Officer.
Cripps, E. G., B.Sc. (Agric.), Dip. Agric. Exp. Officer
Neve, R. A., B.Sc. R'dg. Sr. Scientific Officer.
Watson, G., M.Sc. Exp. Officer.
Weston, E. W., B.Sc. Asst. Exp. Officer.
Salmon, E. C. Emer. Prof. of Mycol.

*Horticulture*

Miles, H. W., M.Sc. Brist., Ph D., D.Sc. Manc. Prof. (A.).
Wilkinson, E. H., B.Sc. Birm., Ph.D. Brist. Sr. Lectr.
..... Lectr. (R.).
Jackson, A. A., B.Sc. Manc. Lectr. (PR.)
Lloyd, C., B.Sc. (Hort.) Asst. Lectr.
Dobson, R. M., M.A. Camb. Res. Asst.
Thomas, Winifred, B.Sc. (Hort.) Demr.

*Physical Sciences*

Wain, R. L., M.Sc., Ph.D. Sheff., D.Sc., F.R.I.C. (Agric. Chem.) Prof. (A.).
Smith, Margaret S., B.Sc., Ph.D. Lectr. (R.).
Askew, G. P., B.Sc. (Agric.), B.Sc. Asst. Lectr.
Seeley, R. C., B.Sc. (Agric.) Asst. Lectr.
Ingram, Jeanne, B.Sc. (Agric.) Edin. Asst. Lectr.
Wightman, F., B.Sc. Leeds May and Baker Res. Fellow.
Fawcett, C. H., B.Sc. Res. Asst.
Nash, Ruth, B.Sc. Res. Asst.
Spencer, P. M., B.Sc. Wales Res. Asst.
Toothill, Joyce, B.Sc. Demr.

(A.) = Appointed Teacher.
(PR.) = Recognized teacher of the Univ. of London (Probationary).
(R.) = Recognized Teacher of the Univ. of London.

## ADMINISTRATIVE AND OTHER STAFF

College Warden: C. W. A. Garland, B.Sc., Dip.Ed. Camb. Warden of Withersdane: E. Sita Smyth, B.A. Brist. Domestic Bursar: Eleanor M. Knight. Appointments Sec.: J. M. Brewin, M.A. Camb.

## GENERAL INFORMATION

The College was originally founded by Cardinal Archbishop John Kempe in 1447 as a secular foundation. The College continued as a teaching institution until 1893, as part of the original foundation consisted of a Grammar School. In 1893 it was reorganized as an Agricultural College under the Principalship of the late Sir A. D. Hall, F.R.S. It has been a School of the Univ. of London since 1900 and is now the Dept. of Agriculture and Horticulture for the Univ. It received a Royal Charter in 1948.

Closely associated with the Coll. is the S.E. sub-provincial H.Q. of the National Agricultural Advisory Service (N.A.A.S.), the central offices and labs. of which are located on the Coll. Estate.

INCOME. Approx. £130,000 (Univ., 45 per cent.; Fees, 25 per cent.; Govt. Departments, 17 per cent.; other sources, 13 per cent.).

LIBRARY. 12,000 vols.

LABORATORIES. Chem., Phys., Bot., Zool., Pathol., Geol., Hortic., Hop Res. MUSEUM of Agricultural Implements (at Coldharbour Farm, Wye).

DEGREE COURSES. B.Sc. Agric. Hons. (3 yrs.). B.Sc. Hort. (3 yrs.) of Univ. of London. Higher Degrees: M.Sc. and Ph.D. Facilities for res. in Agric. and Hortic. and in associated scis. of Chem., Bot., Zool., Econ., Geol.

FEES. Tuition, £50. Full residence £135 per session (Oct.-June), 3 10-wk. terms.

The Coll. has residential accommn. for 90 men in the main College bldgs. and a sep. Hall of Residence for 75 women. The Coll. 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 res. purposes. The Coll. Hop Res. Dept. is the National Centre for Hop Res. work and has its own labs. and commercial and nursery hop gardens.

APPOINTMENTS. 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 Agric. and Hortic. or who intend to seek appts. in the National Agricultural Advisory Service or in the Colonial Services. The Coll. Appts. Bureau gives assistance in placing qualified students in suitable employment.

PUBLICATIONS. *Prospectus*; *Annual Report*; "Occasional" Publications, especially on Econ. and Hops; *Student Magazine* (2s. 6d. per term).

## THE YEAR 1951–52

BENEFACTIONS. For res. purposes: May and Baker (Chem.); Inst. of Brewing (Hops); Hops Marketing Bd. (Hops); Guinness and Co. (Hops); Shell Petroleum Co. Ltd. (Chem.); I.C.I. Ltd. (Agric.); Kent Farmers' Union (Agric.). Also from: Miss E. A. Jones, for bas-relief for women's Hall of Residence; T. Hill; J. W. Kennard; late Rev. R. W. H. Ackworth.

NEW BUILDING. House bought for conversion for Econ. Dept.

CHANGE IN REGULATIONS. Hons. degree in Agric. instituted as from Oct. 1952.

ADULT EDUCATION. Vacation courses included those for Cattle Breeders; Devonshire Course for Colonial Administrative Officers; Botanists' Course; Extra-Mural Summer School. Large number of individual lectures given by staff members to Agric. and Hortic. Socs., Farmers' Clubs, etc.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES AND COLLEGES. Sir J. T. Sheppard, Camb., "Shakespeare's Small Latin and Less Greek"; Dr. H. P. Donald, "Facts and Fallacies in Livestock Breeding"; Dr. G. R. C. Mure, Oxon., "On being the right size"; Prof. W. G. Heldford, "Building in the Countryside"; Dr. C. D. Darlington, John Innes Hortic. Institution, "The Coming of Genetics"; A. N. Duckham, Camb., "The American Farmer."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. R. L. Wain, N.Y., Sorbonne; several visits by Principal D. Skilbeck and Profs. Cooper, Miles and Wain to Univs. in Gt. Britain.

RESIGNATIONS. G. Worrall, apptd. to Khartoum U.C.; S. O. S. Dark, apptd. to Sudanese Min. of Agric.; J. A. C. Gibb, apptd. to R'dg. U.; D. Wylie, apptd. to Shuttleworth Coll. of Agric.; A. R. Tatchell, apptd. to Inst. of Brewing; Mary Palmer, on marriage; Vera Brand, on marriage; June Rees, apptd. to Regent St. Polytechnic; Elizabeth Keep, apptd. to East Malling Res. Station.

HONORARY AWARD. *Fellow of Wye Coll.*: J. Wyllie, former Hd. of Econ. Dept. (1923–50).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 15 | 128 |
| Women | 5 | 70 |
| Total | 20 | 198 |

Postgraduate students, 27 (full-time, 10; part-time, 17).

New admissions, 54.

Students (full-time) from other countries, 13. (Countries from which largest numbers came: British E. Africa, 4; Egypt, 3.)

DEGREES AWARDED. B.Sc. Agric., 21; B.Sc. Hortic., 29; M.Sc., 2; B.Litt., 1; Ph.D., 1.

DIPLOMA AWARDED. Animal Husbandry, 1.

[*Information compiled as at* 1/6/53 ; *Staff list revised on* 24/9/53.]

# THEOLOGICAL SCHOOLS OF THE UNIVERSITY

## APPOINTED AND RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated thus :

NEW COLLEGE, LONDON (N.).
KING'S COLLEGE, THEOLOGICAL DEPT. (KT.).
RICHMOND COLLEGE (R.).
LONDON COLLEGE OF DIVINITY (L.).

*Theology*

Blackman, Rev. E. C., B.D., M.A. Camb. (N.).
Coggan, Rev. F. D., M.A. Camb., D.D. Tor. (L.).
*James, Rev. Prof. E. O., D.Litt. Oxon., D.D. St. And., Ph.D.
*McHardy, Prof. W. D., D.Phil. Oxon., M.A., B.D. Aberd., M.A. Edin. (Samuel Davidson Prof.).
Nuttall, Rev. G. F., M.A., D.D. Oxon. (N.).
Roberts, Rev. H., M.A. Wales, Ph.D. Camb. (R.).
*Sellers, Rev. Prof. R. V., D.D. Camb., M.A. (KT.).
Simon, Rev. U. E., M.Th. (KT.).
*Tasker, Rev. Prof. R. V. G., M.A., B.D. Camb. (KT.).

* Appointed Teacher.

## GENERAL INFORMATION

†NEW COLLEGE, LONDON (Congregational), 527 Finchley Road, Hampstead, London, N.W.3. (*Telephone*: Hampstead 3719.) Principal—..... Sec., Rev. J. B. Binns, M.A.

New College, London, the origin of which goes back to 1673, is a Theological Coll. (a Divinity School of the Univ. of London), primarily for the training of men and women for the Congregational Ministry. Internal students—40. 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, London, W.C.2. (*Telephone*: Temple Bar 5454.) Dean—Rev. Canon E. S. Abbott, M.A. Sec.—I. P. Shaw, M.A. 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, £110 per session. Full-time students, 278 ; internal students of the Univ., 112 ; pt.-time students, 28. The Coll. grants the A.K.C. Dipl. in Theol.

† Not in receipt of U.G.C. grants.

†RICHMOND COLLEGE (Methodist), Richmond, Surrey. (*Telephone*: Richmond 1886.) Principal—Rev. Prof. F. B. Clogg, M.A., B.D.

Opened 1843. Students are, normally, accepted candidates for Ministry of the Methodist Church, but other Univ. students may be admitted. Residential accommodation for about 60. Internal students—74. *Fees*: £198 for residence and tuition.

†LONDON COLLEGE OF DIVINITY, 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. Camb., D.D. Tor. Hon. Sec. of Council—Rev. T. G. Mohan, M.A.

Founded and endowed 1863 by Dr. A. Peache, Chancellor of the Western Univ. of Canada. Courses for A.L.C.D. (Associateship of the London College of Divinity) and for B.D. of London. *Fees*: Entrance, 2 gs.; board and tuition, £150. Residential accommodation for 47 students. Internal students—23.

† Not in receipt of U.G.C. grants.

# *UNDERGRADUATE MEDICAL AND DENTAL SCHOOLS*

[*Information compiled as at* 10/6/53 ; *Staff list revised on* 24/9/53.]

## CHARING CROSS HOSPITAL MEDICAL SCHOOL

Founded 1834

*Postal Address* : 62-65 Chandos Place, London, W.C.2, England.
*Telephone* : Temple Bar 0581-4.

CHAIRMAN—The Rt. Hon. THE LORD INMAN, J.P.

DEAN—E. C. WARNER, M.D., B.S., B.Sc., F.R.C.P.

SECRETARY—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. Prof.

*Biochemistry*
Sykes, W. O., M.Sc. Lectr.

*Chemical Pathology*
Patterson, J., M.Sc., Ph.D. St. And. Prof.

*Clinical Pathology*
Shaw, S., M.D., B.S. Lectr.

*Dermatology*
Wigley, J. E. M., M.B., B.S. Melb., F.R.C.P. Lectr.

*Forensic Medicine*
Gorsky, J. A. Lectr.

*Medicine*
Hickling, R. A., B.A., M.D., B.Chir. Camb., F.R.C.P. Lectr.
Smith, K. Shirley, M.D., B.S., B.Sc., F.R.C.P. Lectr.
Warner, E. C., M.D., B.S., B.Sc., F.R.C.P. Lectr.
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.

*Morbid Anatomy*
Symmers, W. St. C., M.D., B.Ch., B.A.O. Belf. Prof.

*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.

Taylor, L. R. S., B.A., M.B., B.Chir., F.R.C.S. Lectr.

*Pædiatrics*

Bell, A. Doyne C., D.M., B.Ch. Oxon. Lectr.

*Pathology*

..... Prof.

Evans, W. E. D., M.D., B.S. Lectr.

*Physiology*

Burns, W., D.Sc., M.B., Ch.B. Aberd. Prof.

*Psychiatry*

Randell, J. B., B.Sc., M.B., B.Ch. Wales, D.P.M. Lectr.

*Radiotherapy*

Patterson, R. M., M.C., D.M.R.E. Lectr.

*Surgery*

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.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: V. J. Delaney; Librarian: Mrs. M. I. Jellett, F.L.A.

## GENERAL INFORMATION

The School was opened in 1834 and provides for all medical studies from the beginning to qualification, and includes depts. of anat., physiol., biochem., pharmacol., chem., phys., biol., clin. and gen. pathol. The depts. of anat. and physiol. were reopened in 1947 after a lapse of 36 yrs. With its associated hospls. there is a service of 670 beds. 45 students are admitted annually.

MUSEUM. A notable feature of the School is the pathological museum, in which is housed, in addition to an exhaustive collection illustrating general, pathol. conditions, the famous Lockyer collection of obstetric and gynæcol. specimens. The anatomy museum has been built up during the last few years and now consists of a very extensive collection of human and comparative material prepared by modern methods. A special feature is the embryological section showing progressive stages of development.

LIBRARY. The library contains nearly 5000 volumes, including the latest editions of text-books and journals of the learned societies, both British and American. There is a fully qualified librarian and an assistant.

FEES. There is an entrance fee of £5 : 5s., and an inclusive annual fee of £52 : 10s. Union and athletic contributions are included in these fees.

SCHOLARSHIPS. Scholps., exhibitions and prizes, approx. of £1000 in value, are offered for award each year. The number of pre-registration house posts available in the group is high in proportion to the small number of students admitted, in addition to which there are 20 Registrarships, a number of Demonstratorships and other posts available.

PUBLICATION. *Charing Cross Hospital Gazette.*

## THE YEAR 1951–52

NEW BUILDINGS. Planning proceeded for new Hospl. and Sch. to be erected on Northwick Park site, 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 School acquired and adapted, and now occupied by depts. of clin. pathol. and chem., the latter including chemical pathol., biochem. and org. chem. Considerably increased space is thus available for teaching and other work of the School. Kingsbury Maternity Hosp. added to Charing Cross Teaching Group; when alterations and extensions are completed it will constitute the obstet. unit of the Sch.

CURRICULUM. A new "G.P. Firm" has been instituted under which each student resides for three weeks with a doctor engaged in general practice. It has proved to be a most successful addition to the curriculum.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 3 | 194 |
| Women | .. | 44 |
| Total | 3 | 238 |

Postgraduate students, 10.

New admissions, 47.

Students (full-time) from other countries, 4. (British W. Africa, 2; British W. Indies, 2.)

DEGREES. M.B., B.S., 32, Distinctions, 3; B.Sc. (Spec.), 1; M.D., 5.

DIPLOMAS. L.R.C.P., M.R.C.S., 15; F.R.C.S., 1; D.R.C.O.G., 1; M.R.C.O.G., 1; D.C.H., 1; D.P.H., 1; D.M.R.D., 3.

[*Information compiled as at* 19/5/53 ; *Staff list revised on* 24/9/53.]

# GUY'S HOSPITAL MEDICAL SCHOOL

Founded 1724

*Postal Address*: St. Thomas's Street, London Bridge, London, S.E.1, England.
*Telephone*: Hop 3500.

DEAN—E. R. BOLAND, C.B.E., M.D., F.R.C.P.

SUB-DEAN (Medical School)—C. G. BAKER, O.B.E., M.D.

SUB-DEAN (Dental School)—F. S. WARNER, F.D.S., R.C.S.

SECRETARY—W. F. COOK.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*

Marston, A. D., C.B.E., D.A., F.R.C.S., F.F.A.R.C.S.
Harris, T. A. B., M.B., B.S., D.A., F.F.A.R.C.S.
McConnell, W. S., M.B., B.S., D.A., F.F.A.R.C.S.
Rink, E. H., B.M., B.Ch., D.A., F.F.A.R.C.S.

*Anatomy*

Whillis, J., M.D., M.S. Durh. Prof.
Joseph, J., M.D. 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.R.C.S.

*Dental Medicine*

Rushton, M. A., M.A., M.D. Camb., F.D.S.R.C.S. Prof.

*Dental Prosthetics*

Fenn, H. R. B., F.D.S.R.C.S., D.D.S. Prof.

*Dental Surgery*

Bulleid, A., F.D.S.R.C.S.
Hooper, K., F.D.S.R.C.S.
Warner, F. S., F.D.S.R.C.S.
Herbert, W. E., F.D.S.R.C.S. Prof.
Kenshole, H. H., D.S.O., F.D.S.R.C.S.

Mansie, J. W., F.D.S.R.C.S.
Thompson, A. R. F., F.D.S.R.C.S.
Holland, R. O., L.D.S.
Pringle, K. E., F.D.S. (Orthodontics).
Rix, R. E., F.D.S. (Orthodontics).

*Dermatology*

Forman, L., M.D.
Moynahan, E. J.

*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. H., M.D.

*Neurology*

Symonds, Sir Charles, K.B.E., C.B., D.M. Oxon.

*Obstetrics and Gynæcology*

Cook, F., F.R.C.S., F.R.C.O.G.
Gibberd, G. F., M.S., F.R.C.O.G.
Blaikley, J. B., F.R.C.S., F.R.C.O.G.
Lewis, T. L. T., F.R.C.S.

*Ophthalmology*

Morgan, O. G., M.Chir. Camb.
Law, F. W., M.D. Camb., F.R.C.S.

*Orthopædics*

Stamm, T. T., M.B., B.S., F.R.C.S.
Batchelor, J. S., F.R.C.S.

*Oto-Rhino-Laryngology*

Cann, R. J., M.S.
Reading, P. V., M.S.

*Pathology*

Wright, G. Payling, D.M. Oxon. Prof.

Readers

Knott, F. A., M.D.,
De Navasquez, S. J., M.D.
Gorer, P. A. I., D.Sc.
Merivale, W. H. H., M.B., B.S.

*Pharmacology*

Robson, J. M., D.Sc.,M.D. Leeds Prof.

*Physical Medicine*

Crisp, E. J., M.D. Camb.

*Physics*

Allsopp, C. B., M.A., Ph.D., D.Sc. Prof.

*Physiology*

Spurrell, W. R., M.S., F.R.C.S. Prof.
Bishop, P. M. F., D.M. Oxon.
Hunt, J. N., M.B., B.S. Sr. Lectr.
Anderson, D. J., M.Sc., B.D.S. Sr. Lectr.

*Radiology*

Hills, T. H., M.B., B.S., D.M.R.E.

*Surgery*

Massie, G., C.B.E., M.S.
Eckhoff, N. L., M.S.
Atkins, H. J. B., D.M., M.Ch. Oxon.
Wass, S. H., M.S.
Blackburn, G., O.B.E., M.Ch. Oxon.
Lawrie, R. S., M.D., M.S.
Glover, F. N., M.S.
Clarkson, P. W., M.B.E., F.R.C.S.
Doherty, W. D., M.Chir. Camb. (Genito-Urinary).
Kilpatrick, F. R., M.S. (Genito-Urinary).
Brock, R. C., M.S. (Thoracic).

*Venereal Diseases*

Lloyd, V. E., M.C., M.B., B.S.

## ADMINISTRATIVE AND OTHER STAFF

Warden of the College: C. G. Baker, O.B.E., M.D. Director of Student Health Service: R. Kauntze, M.D.

## GENERAL INFORMATION

MEDICAL SCHOOL. The School of Medicine and Surgery may be considered to date its formal commencement from about the year 1769.

COURSES. Teaching covers all subjects of the medical curriculum, including a course for the First Examn. for Medical Degrees. Approved courses in the Fac. of Science in Anat., Physiol. and Chem. are also provided.

LIBRARY. The Wills Library is available for the use of students and contains approx. 20,000 vols., including up-to-date text-books, and the usual medical journals.

MUSEUM. The Gordon Museum was presented to the School in 1905. In point of size it is second only to that of the Royal Coll. of Surgeons, and contains specimens of Pathol. Anat. which form a collection unrivalled for its extent and educational value.

RESIDENCE. Accomm. is provided for approx. 65 senior students.

FEES. Entrance, 15 guineas; annual composition fee, £55 : 5s., inclusive of materials.

SCHOLARSHIPS. 2 Pre-clinical Entrance Scholps. of £40 p.a. each for 5½ yrs., awarded annually in March; War Memorial Entrance Scholp. of £40 p.a., awarded in alternate yrs.; confined Junior Science Scholp. of £100 p.a.; confined Epsom Scholp. entitling holder to free medical education for 5½ yrs.; Clinical Entrance Scholp. entitling holder to free medical education for 3 yrs., and Exhibition of £120.

DENTAL SCHOOL. Est. 1888, it is fully equipped on modern lines and provides for the teaching of the entire dental curriculum. Dental students benefit by the intimate association with the Med. School. *Fees*: 1st-yr. course for B.D.S., £55 : 5s.; subsequently Annual Composition Fee, £75 : 5s. *Scholarships*: 1 War Memorial Entrance Scholp. of £50 p.a.; 1 Entrance Scholp. of the same value; 1 confined Jr. Sci. Scholp. of the value of £100; Jubilee Scholp. of £50 p.a. for sons and daughters of men and women who have (*a*) obtained a registrable qualification in Med. Dentistry or Nursing after studying at Guy's, or (*b*) held a teaching appt. in the Hospl. or Schools for a period of not less than 5 yrs.; 1 confined Epsom Scholp. entitling the holder to free Dental Educn. Scholps. (except Jr. Sci. Scholps.) are for normal period of students' course. Annual and other Studentships, Prizes and Medals.

## THE YEAR 1951–52

### MEDICAL SCHOOL

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 130 | 537 |
| Women | 9 | 64 |
| Total | 139 | 601 |

Postgraduate students, 139.
New admissions, 111.

DEGREES, ETC., OBTAINED. M.B., B.S. Lond., 69 ; M.B., B.Chir. Camb., 23 ; B.M., B.Ch. Oxon., 6 ; M.S., 3 ; M.D. Lond., 14 ; M.D. Camb., 2 ; Ph.D. Lond., 1 ; Diplomas, 153.

## DENTAL SCHOOL

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 8 | 378 |
| Women | 12 | 26 |
| Total | 20 | 404 |

New admissions, 77.

DEGREES, ETC. B.D.S., 5 ; Diplomas, 81.

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Students (full-time) from other countries at Medical and Dental Schools, 79. (Countries from which largest numbers came : S. Africa, 24 ; British W. Indies, 9 ; British W. Africa, 8 ; Mauritius, 5 ; British Guiana, 4.)

[*Information compiled as at* 5/5/53 ; *Staff list revised on* 24/9/53.]

# KING'S COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1830

*Postal Address* : Denmark Hill, London, S.E.5, England.
*Telephone* : Brixton 1731, 5739.

DEAN—VERNON F. HALL, F.F.A.R.C.S.

VICE-DEAN—A. J. HERIOT, M.S., F.R.C.S.

SUB-DEAN OF THE DENTAL SCHOOL—RALPH COCKER, M.B., Ch.B. Manc., F.D.S.R.C.S.

SECRETARY—W. F. GUNN, LL.B., F.C.I.S.

LIBRARIAN—LILIAN SERGEANT, F.L.A.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*

Hall, V. F., F.F.A.R.C.S. Lectr.
Cartwright, F. F., F.F.A.R.C.S.
Galley, A. H., M.B., B.S., F.F.A.R.C.S.
Mason, S. A., M.B., B.S.

*Dental Surgery*

Lecturers

Cocker, R., M.B., Ch.B. Manc., F.D.S.R.C.S.
James, J., F.D.S.R.C.S.
Marsh, L. R., F.D.S.R.C.S.
Moore, A. S.
Wade, W. N. L.
Collyer, W. F., F.D.S.R.C.S.
Liddelow, K. P., F.D.S.R.C.S.
Trotter, P. A., B.D.S. Birm., H.D.D. Edin.
Rosenstiel, E.
Leighton, B. C., H.D.D. Glas.
Halder, A. R.
Gimson, A. P.
2 Jr. Demrs.

*Dermatology*

Lecturers

Thomson, S., M.A., M.D. Camb., F.R.C.P.
Williams, D. I., M.B., B.S., F.R.C.P.

*Diseases of Children*

Lecturers

Sheldon, W. P. H., M.D., F.R.C.P.
Wilmers, Mary J., M.D.

*Forensic Medicine*

Cogswell, A. P. L., M.B., B.S. Lectr.

*Industrial Medicine*

Pringle, P., LL.B., B.Sc. (Econ.) Lond. Lectr.

*Medicine*

Lecturers

Critchley, M., M.D. Brist., F.R.C.P.
East, C. F. T., M.A., D.M. Oxon., F.R.C.P.
Lawrence, R. D., M.D. Aberd., F.R.C.P.
Livingstone, J. L., M.D., F.R.C.P.
Gilpin, A., M.D., F.R.C.P.
Hoyle, J. C., M.D., F.R.C.P.
Pearson, R. S. B., D.M. Oxon., F.R.C.P.

Nevin, S., M.D. Belf., B.Sc., F.R.C.P.
Oakley, W. G., M.A., M.D. Camb., F.R.C.P.
Oram, S., M.D., F.R.C.P.

*Mental Diseases*

Hill, D., M.B., B.S., D.P.M., F.R.C.P. Lectr.

*Obstetrics and Gynæcology*

Gilliatt, Sir W., K.C.V.O., M.D., M.S., F.R.C.P., F.R.C.S., F.R.C.O.G. Emeritus Lectr.
Peel, J. H., M.A., B.M. Oxon., F.R.C.S., F.R.C.O.G. Lectr.
Clayton, S. G., M.D., M.S., F.R.C.S., F.R.C.O.G. Lectr.

*Ophthalmology*

Lecturers

Savin, L. H., M.D., M.S., F.R.C.S.
Lyle, T. K., C.B.E., M.A., M.D., M.Chir. Camb., F.R.C.S.

*Oto-Rhino-Laryngology*

Lecturers

Daggett, W. I., M.B., B.Chir. Camb., F.R.C.S.
Cawthorne, T., F.R.C.S.
Lewis, R. S., M.A., M.B., B.Chir. Camb., F.R.C.S.
Mawson, S. R., M.B., B.Chir. Camb., F.R.C.S.

*Pathology*

Magnus, H. A., M.D. Prof.
Gray, C. H., M.D., D.Sc. Lond., F.R.I.C. Prof.
Cunliffe, A. C., M.A., M.D. Camb. Reader.

Lecturers

Davidson, W. M., M.B., B.Ch. Aberd.
Cardell, B. S., M.D. Lond.
Smith, M. J. H., Ph.D. Lond. M.Pharm. Wales, F.R.I.C.
Smith, D. R., M.A., M.D. Camb.
Talbot, J. M., M.D. Lond.
Rushton, D. G., M.B., B.S. Lond.
4 Demrs.

*Physical Medicine*

Cooksey, F. S., O.B.E., M.D. Lond.

*Public Health*

Standring, T., M.D. Lond.

*Radiology*

Shawcross, E. W. H., M.A. Camb., D.M.R.E. Lectr.
Blewett, J., M.D. Melb., F.F.R.

*Surgery*

Lecturers

Wakeley, Sir C. P. G., K.B.E., C.B., LL.D. Glas., D.Sc., M.Ch. Cairo, 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.
Wood, H. L. C., M.S., F.R.C.S.
Bell, J. G. Y., M.B., B.S., F.R.C.S.
Heriot, A. J., M.S., F.R.C.S.
Cleland, W. P., M.B., B.S. Adel., F.R.C.S.
Rees, H., M.A., M.Ch. Oxon., F.R.C.S.
Catterall, R. C. F., M.Ch. Camb., F.R.C.S.
Taylor, S., M.A., M.Ch. Oxon., F.R.C.S.

*Tropical Medicine*

Manson-Bahr, Sir Philip, C.M.G., D.S.O., M.A., M.D. Camb., F.R.C.P.

*Venereal Diseases*

Lydon, F. L., M.B., B.Ch. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Student Medical Officer: A. Gilpin, M.D., F.R.C.P.

## GENERAL INFORMATION

King's College Hospital Medical School was founded in 1830 and was admitted as a school of the Univ. in the Fac. of Med. in 1909. The Medical School provides the clinical training for students reading for the degrees of London, Oxford and Cambridge Univs. Under the conditions of the incorporation of King's Coll. in the Univ., the Univ. continues to teach in the King's Coll. bldgs. the preliminary and intermediate medical studies leading to the M.B., B.S. and B.D.S. degrees of the Univ. of London.

The new buildings of the Medical School were opened in 1933, and the new Dental School in 1940. The buildings include a library (7000 volumes) and reading-room and a pathological museum. The students' hostel is within five minutes' walk of the Hospl. and Medical School, and the athletic ground is within ten minutes' walk.

SCHOLARSHIPS. Scholps. to the value of £2000 are available for award annually. 23 Approved Intern. appointments are made every six months.

FEES. The inclusive tuition fee for Medicine is £55 p.a. There is a registration fee of £5 : 5s., payable upon acceptance, and an entrance fee of £10 : 10s., payable on the commencement of clinical studies. 50 medical and up to 25 dental students (including women) are admitted annually. The inclusive fee for Dentistry is £65 p.a.

STUDENT HEALTH SERVICE. Instituted 1938 and consists of Annual Medical examination and X-ray.

PUBLICATIONS. Official: Medical and Dental School *Prospectuses*, *Annual Report*. Student: *King's Coll. Hospital Gazette* (3 times p.a.).

## THE YEAR 1951–52

BENEFACTIONS. Surgeon-Capt. A. D. Cowburn, the residue of his estate (£35,000) for the furtherance of research in Pathol., Bacteriol., Morbid Anat. and allied subjects; final increments to the Francis James Borland Fund to provide Scholps. for women medical students (total value almost £11,000); Maj.-General Sir Cuthbert Sprawson, £750 towards provision of a Mixed Common Room with Bar; late Dr. J. L. Barford, £110 to assist students.

RETIREMENTS. Sir William Halliday, Principal of King's College, London (Member of Council); V. E. Negus (Oto-Rhino-Laryngol.); St. J. D. Buxton (Orthopædics).

RESIGNATIONS. J. Valerie Barber (Bacteriol.); R. F. Jennison (Clin. Path.).

STUDENT NUMBERS. 260 men; 40 women.
Postgraduate students, 6.
New admissions, 94 (68 Medical, 26 Dental).
Students from other countries, 18. (Countries from which largest numbers came: Germany, 3; Ceylon, 2; Holland, 2; Nigeria, 2.)

DEGREES AWARDED. *Medicine*: M.B., B.S., 32; M.B., B.Chir., 5; M.D., 5; M.Ch., 1; *Science*: D.Sc., 1. *Total number of first degrees awarded*, 37.

DIPLOMAS AND CERTIFICATES AWARDED. *Dentistry*: L.D.S.R.C.S., 14; F.D.S.R.C.S., 1; *Medicine*: L.R.C.P., M.R.C.S., 29; F.R.C.S., 2; M.R.C.O.G., 1.

[*Information compiled as at 27/5/53; Staff list revised on 24/9/53.*]

# THE LONDON HOSPITAL MEDICAL COLLEGE

Founded 1781; incorporated as a constituent School of the University of London in 1900

*Postal Address*: Turner Street, London, E.1, England.
*Telephone*: Bishopsgate 2456, 9936-7.

CHAIRMAN—Col. W. M. PRYOR, D.S.O.
DEAN—H. B. MAY, M.A., M.D., B.Chir. Camb.
MEDICAL SUB-DEAN—J. R. ELLIS, M.B.E., M.B.
DENTAL SUB-DEAN—A. M. HORSNELL, F.D.S.
SECRETARY—H. P. LAIRD, B.A.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*
Challis, J. H. T., F.F.A.R.C.S.
Brown, A. I. P., F.F.A.R.C.S.

*Anatomy*
Harrison, R. J., D.Sc. Glas., M.A., M.B., B.Chir. Camb. Reader.

*Bacteriology*
Barwell, C. F., M.A., M.D. Camb. Prof.

*Biochemistry*
Warren, F. L., M.A. Oxon., Ph.D., D.Sc., F.R.I.C. Prof.

*Chemical Pathology*
Morris, C. J. O. R., Ph.D., M.Sc., F.R.I.C. Reader.

*Chemotherapy*
Valentine, F. C. O. Reader.

*Dental Surgery*
Allen, A. G., F.D.S.R.C.S. Dir. of Prosthetic Dent.
Allen, S. G., F.D.S.R.C.S.
Hankey, G. T., O.B.E., T.D., F.D.S.R.C.S.
Horsnell, A. M., F.D.S.R.C.S. Dir. of Conservative Dentistry.
Keizer, W. R., F.D.S.R.C.S.
Miles, A. E. W., F.D.S.R.C.S. Prof.
Ward, N. L., L.D.S., D.D.S.

*Dermatology*
Russell, B. F., M.D., F.R.C.P.

*Diseases of Children*
Dobbs, R. H., M.D. Camb., F.R.C.P.
Tallerman, K. H., M.C., M.D. Camb.

*Forensic Medicine*
Camps, F. E., M.D.

*Histology*
Bourne, G., D.Sc. W.Aust., D.Phil. Oxon.

*Medicine*
Bomford, R. R., D.M. Oxon., F.R.C.P.

Brain, Sir Russell, M.A., D.M., B.Ch. Oxon., P.R.C.P.
Brigden, W. W., M.D., F.R.C.P.
Clark-Kennedy, A. E., M.D. Camb., F.R.C.P.
Evans, Sir Horace, K.C.V.O., M.D., F.R.C.P.
Evans, W., M.D., D.Sc., F.R.C.P.
Henson, R. A., M.D.
Hunter, D., M.D., F.R.C.P.
Perry, K. M. A., M.D., F.R.C.P.
Rusby, N. L., D.M. Oxon., F.R.C.P.
Wilson, C., M.A., D.M. Oxon., F.R.C.P. Prof.

*Mental Diseases*

Wilson, H. L., M.D. Camb., F.R.C.P.

*Morbid Anatomy*

Russell, Dorothy S., M.A., Sc.D., D.M. Oxon., F.R.C.P. Prof.
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.
Lindahl, J. W. S., M.Ch., F.R.C.S.

*Pathology*

May, H. B., M.A., M.D. Camb.
Salaman, M. H., M.A., M.D., Dip.Bact.

*Pharmacology*

Weatherall, M., M.A., D.M. Reader.

*Physical Medicine*

Tegner, W. S., M.A., B.M., B.Ch. Oxon.

*Physiology*

D'Silva, J. L., Ph.D., D.Sc., M.B., B.S. Prof.

*Plastic Surgery*

Heanley, C. L., M.B., B.Chir. Camb., F.R.C.S.

*Radiology*

Boden, G. W., B.Sc., D.M.R.E., F.F.R.
Jupe, M. H., D.M.R.E., F.R.C.S., F.F.R.

*Surgery*

Butler, E. C., M.B., B.S., F.R.C.S.
Dix, V. W., M.A., F.R.C.S. Prof.
Donald, C., O.B.E., Ch.M. Aberd., F.R.C.S.
Moore, A. M. A., F.R.C.S.
Perry, A. C., M.S., F.R.C.S.
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

The Hospl. and Annexe at Brentwood provide 898 beds.

LIBRARY AND MUSEUM. The Library includes Thomson Yates Research Library, containing chief British and foreign periodicals for Anat., Physiol. and Pathol. New additions to recently renovated Museum include a section on Forensic Medicine.

LABORATORIES. Teaching and research labs. are provided for (1) Bacteriol., (2) Pathol. and Morbid Anat. in the Bernhard Baron Inst. of Pathol., (3) Anat., (4) Pharmacol., (5) Physiol. and Histol., (6) Organic Chem. and Biochem., (7) The Hale Clin. Labs. and the Dunn Labs. attached to the Med. Unit, which are being considerably enlarged.

FEES. Medical: Entrance, £10 : 10s.; Annual, £48. Dental: Entrance, £10 : 10s.; Annual, £54.

SCHOLARSHIPS. There are 40 scholps. and prizes.

RESIDENCE. There is a Hostel for 98 male students adjacent to the Coll. (*Telephone*: Bishopsgate 7017). Charges: £2 : 11s. to £3 : 5s. per week.

PUBLICATION. (Students) *L.H. Gazette.*

## THE YEAR 1951–52

NEW DEPARTMENT. Biochemistry.

RETIREMENTS. Prof. S. P. Bedson; Prof. J. R. Marrack; Dr. W. J. O'Donovan.

STUDENT NUMBERS.

| MEDICAL | | |
|---|---|---|
| | *Part-Time* | *Full-Time* |
| Men | 57 | 434 |
| Women | 4 | 57 |
| Total | 61 | 491 |

Postgraduate students, 66.
New admissions, 64.

| DENTAL | | |
|---|---|---|
| | *Part-Time* | *Full-Time* |
| Men | 1 | 129 |
| Women | .. | 6 |
| Total | 1 | 135 |

New admissions, 22.
Students (full-time, Medical and Dental) from other countries, 21. (Coun-

tries from which largest numbers came: British W. Africa, 3; Canada, 3; S. Africa, 3.)

DEGREES. *Dentistry*: B.D.S., 6; *Medicine*: M.B., 50; M.B. Camb., 22; B.M. Oxon., 8; *Science*: B.Sc., 5.

DIPLOMAS. *Dentistry*: L.D.S., 23; *Medicine*: L.R.C.P., M.R.C.S., 47; L.M.S.S.A., 3.

[*Information compiled as at* 9/6/53 ; *Staff list revised on* 24/9/53.]

# MIDDLESEX HOSPITAL MEDICAL SCHOOL

Founded 1835

*Postal Address* : Mortimer St., London, W.1, England.
*Telephone* : Museum 8333.

CHAIRMAN—Col. Hon. J. J. ASTOR, D.Lit.

DEAN—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.
Silver, P. H. S., Ph.D., M.B., B.S.

*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*

McAlpine, D., M.D., Ch.B. Glas., F.R.C.P.
Kremer, M., M.D., B.Sc., F.R.C.P.

*Medicine*

Ward, G. E. S., M.D., B.S., F.R.C.P.
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., D.P.M., F.R.C.P.
Hobson, J. A., B.Sc., M.D., D.P.M.

*Morbid Anatomy*
Thackray, A. C., M.D. Camb. Reader.

*Neuro-Surgery*
Beck, Diana, M.B., F.R.C.S.

*Obstetrics and Gynæcology*
Roques, F. W., M.A., M.D., M.Chir. Camb., F.R.C.S., F.R.C.O.G.
Winterton, W. R., M.A., M.B., B.Chir. Camb., F.R.C.S.
Jackson, I. M., B.A., M.B., B.Chir. Camb., F.R.C.S.

*Ophthalmology*
Goldsmith, A. J. B., M.B., B.S., F.R.C.S.

*Orthopædics*
Wiles, P., M.B., M.S., F.R.C.S.
Newman, P. H., D.S.O., M.C., F.R.C.S.

*Oto-Rhino-Laryngology*
Wilson, C. P., C.V.O., F.R.C.S.
Monkhouse, J. P., M.B., B.S., F.R.C.S.

*Pathology*
Scarff, R. W., M.B., B.S. Prof.

*Pharmacology*
Keele, C. A., M.D., B.S., F.R.C.P. Prof.

*Physical Medicine*
Howitt, F. D., C.V.O., M.A., M.D., B.Chir. Camb., F.R.C.P.

*Physics*
Roberts, J. E., D.Sc., F.I.P. Prof.
Cook, H. F., B.Sc., Ph.D., F.I.P.

*Physiology*
Wright, S., M.D., F.R.C.P. Prof.
Neil, E., B Sc., M.D., Ch.B. Reader.
Floyd, W. F., B.Sc., Ph.D., F.I.P.

*Plastic Surgery*
Mowlem, R., M.B., Ch.B. N.Z., F.R.C.S.

*Radiodiagnosis*
Hodgson, Sir Harold Graham, K.C.V.O., M.B., B.S. Durh., D.M.R.E. Camb., F.R.C.P.
Golding, F. Campbell, M.B., Ch.M. Syd., D. M. R. E. Camb., F.R.C.P., F.F.R.

*Radio-Therapy*
Windeyer, B. W., M.B., B.S. Syd., D.M.R.E. Camb., F.R.C.S. Eng. and Ed., F.F.R. Prof.
Snelling, Margaret D., B.S., F.R.C.S.

*Surgery*
Hudson, R. V., F.R.C.S.
Riches, E. W., M.C., M.B., M.S., F.R.C.S.
Patey, D. H., M.B., M.S., F.R.C.S.
Handley, R. S., O.B.E., M.A., M.B., B.Chir. Camb., F.R.C.S.
Murray, C. J. B., M.S., F.R.C.S.
Lloyd-Davies, O. V., M.S., F.R.C.S.

*Thoracic Surgery*
Holmes-Sellors, T., M.A., D.M., M.Ch. Oxon., F.R.C.S.

*Tropical Medicine*
Chesterman, C. C., O.B.E., M.D., D.T.M. & H.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: N. D. Stone. Librarian: Ruth J. Mee.

## GENERAL INFORMATION

**The Medical School is fully equipped for the theoretical and practical teaching of all the subjects of the Medical Curriculum, including Chem., Physics and Biol. for the 1st M.B. Examn.**

The School contains the Bland-Sutton Institute of Pathol., with Museum and Labs.; the Barnato-Joel Research Labs. (Physics); the S. A. Courtauld Institute of Biochem.; the Ferens Institute of Otology; the Meyerstein Institute of Radiotherapy; a professorial medical unit and a surgical unit.

LIBRARY. The Library is open to all students of the School and contains the latest medical text-books and the leading medical journals.

RESIDENCE. There is limited accomm. for resident students. Surgical Dressers live in during their "Emergency Week," as do the Extern. Clerks during their course in Midwifery.

SCHOLARSHIPS AND PRIZES. Numerous Scholps. and Prizes are awarded annually to a total value of over £1000. These include 2 Entrance Scholps. to the value of £150 each; 2 Scholps. value £100 each for Univ. of London students of the Med. Sch. who have completed studies in Anat. and Physiol.; and 2 open to students of the Univs. of Oxford and Cambridge who have completed the Curriculum for, or passed, the Examns. in Anat. and Physiol.

FEES. Entrance, £15 : 15s.; Tuition, £50 p.a.; Clubs, £7 : 7s. p.a.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* |
|---|---|---|
| Men | 21 | 402 |
| Women | 2 | 64 |
| Total | 23 | 466 |

New admissions, 95.

Students (full-time) from other countries, 14. (Countries from which largest numbers came: British W. Africa, 3; British W. Indies, 2; Ceylon, 2.)

DEGREES AND DIPLOMAS. M.B., B.S., 42 m., 1 w.; M.B., B.Chir., 15 m., 2 w.; B.M., B.Ch., 12 m., 1 w.; L.R.C.P., M.R.C.S., 18 m.; L.S.A., 3 m.; M.D., 7 m.; Ph.D., 4 m.; M.Sc., 2 m.; M.R.C.P., 7 m.; F.R.C.S., 3 m.; D.M.R.D., 1 m.; Academic Postgrad. Dipl. in Publ. Health, 1 m.

* All postgraduate.

[*Information compiled as at* 29/5/53 ; *Staff list revised on* 24/9/53.]

# ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

Founded 1858

*Postal Address* : 32 Leicester Square, London, W.C.2, England.
*Telephone* : Whitehall 6427-8.

CHAIRMAN OF THE COUNCIL—A. L. PACKHAM, F.D.S.R.C.S.

DEAN—H. L. HARDWICK, F.D.S.R.C.S.

SCHOOL SECRETARY—K. R. McK. BIGGS, B.A.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*
Karn, R. G., M.C.
Sibley, O. L. C., F.F.A.R.C.S.

*Dental Anatomy and Dental Surgery*
Hovell, J. H., F.D.S.R.C.S.

*Dental Metallurgy*
.....

*Dental Surgery*
Packham, A. L., F.D.S.R.C.S.
Henry, C. B., F.D.S.R.C.S.
Ainsworth, N. J., M.C., F.D.S.R.C.S.
Greenish, V. A. F., F.D.S.R.C.S.
Fickling, B. W., F.R.C.S., F.D.S.R.C.S.
Walker, D. G., M.A., M.B., B.Ch., B.A.O., M.Dent.Sc. Dub., F.D.S.R.C.S.
Hardwick, H. L., F.D.S.R.C.S.
Graham, M. P., F.D.S.R.C.S.

*Dental Surgery and Pathology*
..... Prof.

*Orthodontics*
..... Reader.

*Pathology*
Lucas, R. B., M.D., Ch.B., D.P.H. Edin. Reader.

*Radiology*
Blackman, S., D.M.R.E. Camb.

## GENERAL INFORMATION

HISTORY. Founded 1858 by Odontological Society of London. Opened in Soho Square 1859, after successful appeal to Royal Coll. of Surgeons and Parliament for establishment of examn. for Licentiate in Dent. Surgery. Moved to Leicester Square in 1874. Present bldg. erected 1901. A School of the Univ. since 1911. Incorporated 1948, pursuant to Section 15 of the N.H.S. Act (1946), when its parent hospital was designated to St. George's Hospital Group.

CONSTITUTION. Governed by a Council including representatives of Univ., Royal Dental Hosp. and teaching staff.

INCOME. Total income in 1952–53, £41,083. Endowments, 1 per cent.; University Court, 65·5 per cent.; Fees, 26·5 per cent.; other sources, 7 per cent.

LIBRARY. Stobie Memorial Library (opened 1949). 1850 vols., full reading service.

FACILITIES OF SPECIAL INSTITUTIONS. Pre-clin. students attend courses in anat. and physiol. at Royal Free Hosp. Sch. of Med., University Coll. and King's Coll. Clin. students attend courses in general med. and surg. at Charing Cross Hosp. Med. Sch. New Dept. of Pathol. provides teaching of general pathol. and bacteriol. as well as dental aspects of these subjects, and is associated with Dept. of Pathol. at St. George's Hosp. Med. Sch.

ADMISSION. For admission to the School students must have satisfactory qualifications in general education and pass or gain exemption from the 1st M.B. or Pre-Medical examination. Admission to L.D.S. course now severely restricted.

FEES. For instruction for the B.D.S. Degree or L.D.S. Diploma—Registration fee, 5 gs. Composition fees (including all normal tuition fees, materials, hire of apparatus, students' societies, etc.), B.D.S. course, £320, payable in four annual instalments of £75 and a fifth instalment of £20; L.D.S. course, £288, payable in four annual instalments of £75.

SCHOLARSHIPS. Numerous scholps. and prizes are awarded annually, including an Entrance Scholp. of £100.

STUDENT HEALTH SERVICE. Annual examn. of all students by mass miniature radiog. by arrangement with Univ. General Student Health Service by arrangement with St. George's Hosp. Med. Sch. has operated since 1951.

## THE YEAR 1951–52

NEW BUILDINGS. Gen. planning for rebldg. of Sch. on new site, in assocn. with St. George's Hosp. Med. Sch., in abeyance. Progress made with internal replanning scheme in existing bldg. Completion of new Pathol. Lab., Photographic Dept., Seminar Room and Museum. Reconstrucn. of Hosp. Radiol. Dept. with improved facilities for teaching and res. Completion (with co-operation of St. George's Hosp.) of R. Dent. Hosp. In-patient Unit of Operating Theatre and 12 beds.

NEW POST. Full-time Asst. Dir. of Dept. of Periodontol.

OTHER DEVELOPMENT. Provision of improved projection facilities in Lecture Theatre.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. J. P. Walsh, Otago, "Oral Diagnosis—the Objectives and the Method." Clin. Afternoon in connexion with Eleventh Internatl. Dental Congress attended by approx. 250 visitors from 24 countries.

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* |
|---|---|---|
| Men | 13 | 229 |
| Women | 3 | 30 |
| Total | 16 | 259 |

* B.D.S. students attending preclin. courses at other Schs. of the Univ. for more than half-time.

Postgraduate students, nil.
New admissions, 62 (46 full-time ; 16 pt.-time).
Students (full-time) from other countries, 6. (British E. Africa, 2 ; S. Africa, 2 ; Mauritius, 1 ; Norway, 1).

DEGREES AWARDED. B.D.S., 3 ; L.D.S., 43.

[*Information compiled as at June* 1953 ; *Staff list revised on* 24/9/53.]

# ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

Founded 1874

*Postal Address*: Hunter Street, Brunswick Square, London, W.C.1, England.
*Telephone*: Terminus 5385.

PRESIDENT—ELIZABETH BOLTON, C.B.E., M.D., B.S.

DEAN—KATHARINE G. LLOYD-WILLIAMS, M.D., F.F.A.R.C.S.

CHAIRMAN OF THE COUNCIL—FRANCIS W. LASCELLES, C B., M.C

HON. TREASURER—DONALD F. ANDERSON, M.A. Oxon.

WARDEN AND SECRETARY—JOAN I. BEALE, B.A.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*

Dawkins, C. J. M., M.A., M.D. Camb., F.F.A.R.C.S.
Idris, A. E. W., F.F.A.R.C.S.
Lloyd-Williams, Katharine G., M.D., F.F.A.R.C.S.
Rowbotham, E. S., M.D. Durh., F.F.A.R.C.S.

*Anatomy*

Bowden, Ruth E. M., M.B., B.S. Prof.
Napier, J. R. Reader.
Dickson, Lilian M., M.B., Ch.B. Glas. Sr. Lectr.

*Biology*

Lucas, Catherine L. T., M.Sc. Sr. Lectr.
Hughes, Mrs. Margaret, B.Sc., Ph.D. Sr. Lectr.

*Chemistry, Inorganic*

Sanderson, Phyllis M., B.Sc., Ph.D., D.I.C. Sr. Lectr.
Kurzer, F., B.Sc., Ph.D. Lectr.

*Chemistry, Organic*

Lawson, A., B.Sc., Ph.D. Glas. Reader.

*Dermatology*

Brain, R. T., M.D., 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., F.R.C.P.
Davies, Sir Daniel, K.C.V.O., B.Sc., M.D., B.Ch. Wales, F.R.C.P.
Dimsdale, Mrs. 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., F.R.C.P.
Hancock, P. E. T., M.B., B.Chir. Camb., F.R.C.P.
Hoskin, T. J., M.A., M.D., B.Chir. Camb., F.R.C.P.
Kremer, M., M.D., B.Sc., F.R.C.P.

Ledingham, Mrs. 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., D.P.M., F.R.C.P.

*Obstetrics and Gynæcology*

Gray, A. O., M.D., F.R.C.P., F.R.C.S., F.R.C.O.G.
Hill, Gladys, M.A., M.D., F.R.C.S., F.R.C.O.G.
Howkins, J., M.D., M.S., F.R.C.S., F.R.C.O.G.
Moore, Jocelyn A. M., M.B., B.S., F.R.C.S., F.R.C.O.G.
Robinson, Kathleen M., M.D., F.R.C.S., F.R.C.O.G.
Turner, Beatrice E., O.B.E., M.B., B.S., F.R.C.S.Ed., F.R.C.O.G.

*Ophthalmology*

Dollar, Jean M., M.S., F.R.C.S.
Hobbs, H. E., M.B., B.S., F.R.C.S.

*Oto-Rhino-Laryngology*

Collier, Josephine, M.A., B.M., B.Ch. Oxon., F.R.C.S.
McLaggan, J. D., C.V.O., M.A., M.B., Ch.B. Aberd., F.R.C.S., 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*

Stansfeld, A. G., M.A., M.B., B.Chir. Camb. Sr. Lectr.

*Pharmacology*

Scarborough, Eleanor M., M.Sc., M.B., B.S. Reader.

*Physics*

Simons, H. A. B., M.A. Camb., Ph.D. Reader.

*Physiology*

Killick, Esther M., M.B., Ch.B., D.Sc. Leeds Prof.
Walsh, E. O'F., B.Sc., Ph.D. Sr. Lectr.

*Radiology*

Staveley, Dulcie C., M.B., B.S., D.M.R.E.

*Radiotherapy*

Wade, Phyllis, M.B., B.S., D.M.R.

*Surgery*

Barnes, Josephine, D.M. Oxon., F.R.C.S.
Barry, Geraldine M., M.B., M.S., F.R.C.S.
Gardham, A. J., 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.
MacLeod, C., M.B., 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.

*Venereal Diseases*

Shaw, Mrs. Mary M., M.B., B.S.

## ADMINISTRATIVE STAFF

Asst. Secretaries: Mrs. Gladys Barnes, B.A., Pauline McCormick, B.A.
Accountant: Helen Bisset. Librarian: Mrs. Helen Brandreth, B.A., F.L.A.
House Steward: Carmen Norfolk.

## GENERAL INFORMATION

The School, as the London School of Medicine for Women, was founded for the medical education of women in 1874, and was granted a Royal Charter in 1938. It became co-educational in 1947, and alterations to the Charter allowed for the admission of men students and for the title of the School to be changed to the Royal Free Hospl. School of Medicine.

ENTRANCE REQUIREMENTS. 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 age of 18, and must have fulfilled requirements of the Medical Fac. of the Univ. A small number of students is 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 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. 900 beds for clin. teaching. Facilities available for postgrad. and res. students in pre-clinical Depts.

FEES. The annual fee is £55. An entrance fee of £5 is payable by all students accepting a place.

SCHOLARSHIPS, ETC. Entrance Scholps. and undergrad. awards to total value of £2000 offered annually. Postgrad. res. scholps., to value of £2000, and including the Annie McCall Fellowship in Midwifery, value £1000, awarded annually.

LIBRARY. Main library at Hunter St.; smaller libraries in various Depts. and in Hospls. of the Group.

## THE YEAR 1951–52

BENEFACTIONS. Late Dr. Annie McCall, bequest of nearly £50,000 to found postgrad. Fellowships in Midwifery; legacies of £2247 from late Miss M. J. Michael and £100 from late Dr. Josephine Brown left unconditionally to Sch.; Miss Violet Forster, £1000 to Students' Aid Fund.

NEW BUILDINGS. New pre-clin. wing opened October 24, 1951, by H.M. Queen Elizabeth the Queen Mother; work almost completed on further block at R. Free Hosp. (Liverpool Rd.), forming new Obstet. and Gynæcol. Unit of the Teaching Group; work started on new clin. lecture theatre.

NEW POSTS. Pt.-time Dir. of Obstet. and Gynæcol. Teaching Unit; Lectr. and Asst. Lectr. in Pharmacol.; Asst. Lectrs. in Anat., Biol. and Chem.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. T. K. Cureton, Ill., for physiological res.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. E. M. Killick (Physiol.), Makerere U.C.; Miss Hill (Obstet. and Gynæcol. Teaching Unit), U.S.A.; Dr. Nuala Crowley (Pathol.), N.Y.

RETIREMENTS. C. E. Shattock (Sr. Surgeon, Royal Free Hosp.); Dr. Winifred Leyshon (Phys.); Miss M. Bond (Physiol.).

RESIGNATION. Dr. T. McL. Galloway (Prev. and Social Med.), apptd. Dep. M.O.H. for Worcestershire.

DEATHS. Sir Alan Anderson (member of Governing Body, 1916–52); Dr. Hazel C. Gregory (Vice-Dean, 1933–38).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 3 | 46 |
| Women | 5 | 418 |
| Total | 8 | 464 |

Postgraduate students, 12.

New admissions, 91.

Students (full-time) from other countries, 33. (Countries from which largest numbers came: British W. Indies, 7; India, 5; British E. Africa, 3; British W. Africa, 3; S. Africa, 3; Australia, 2.)

DEGREES AWARDED. M.B., B.S. Lond., 55 (1 with Hons.); M.D. Lond., 8; Ph.D. Lond., 2; M.Sc., 1; B.Sc. (Hons. Physiol.), 2.

[*Information compiled as at* 16/5/53 ; *Staff list revised on* 24/9/53.]

# ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE

Founded 1662

*Postal Address*: West Smithfield, London, E.C.1, England.
*Telephone*: Monarch 7777.

VICE-PRESIDENT—J. BASIL HUME, M.S., F.R.C.S.

DEAN—E. G. TUCKWELL, M.Ch. Oxon., F.R.C.S.

SUB-DEAN—J. W. COPE, F.R.C.S.

SECRETARY—C. E. MORRIS.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*

Evans, F. T., M.B., B.S., F.F.A.R.C.S.
Hewer, C. L., M.B., B.S., F.F.A.R.C.S.

*Anatomy*

Cave, A. J. E., M.D., D.Sc. Manc., F.L.S., F.R.A.I. Prof.
Butler, H., M.D. Camb. Reader.

*Bacteriology*

Garrod, L. P., M.D., B.Chir. Camb., F.R.C.P. Prof.
Shooter, R. A., M.D. Camb. Reader.

*Biochemistry*

Wormall, A., D.Sc. Leeds, F.R.I.C. Prof.
Francis, G. E. C., Ph.D. Lond., F.R.I.C.

*Children's Diseases*

Harris, C. F., M.D., F.R.C.P.
Franklin, A. W., M.B., B.Chir. Camb., F.R.C.P.

*Dental Surgery*

Hankey, G. T., O.B.E., T.D., F.D.S.

*Dermatology*

MacKenna, R. M. B., M.D. Camb., F.R.C.P.

*Medicine*

Black, K. O., M.D. Camb., F.R.C.P.
Bourne, G., M.D., F.R.C.P.
Christie, R. V., M.D. Edin., D.Sc., F.R.C.P. Prof.
Cullinan, E. R., M.D., F.R.C.P.
Gibb, W. E., D.M. Oxon., F.R.C.P.
Hayward, G. W., M.D., B.S., F.R.C.P.
Oswald, N. C., M.D. Camb., F.R.C.P.
Scott, R. Bodley, D.M. Oxon., F.R.C.P.
Scowen, E. F., M.D., F.R.C.P. Reader.
Spence, A. W., M.D. Camb., F.R.C.P.
Turner, J. W. A., D.M., B.Ch. Oxon., F.R.C.P.

*Obstetrics and Gynæcology*

Beattie, W. J. H. M., M.D., B.Chir. Camb., F.R.C.S., F.R.C.O.G.

Fraser, D. B., B.M., B.Ch. Oxon., F.R.C.S.
Howkins, J., M.S., M.D., F.R.C.S., F.R.C.O.G.
Shaw, W., M.D., B.Chir. Camb., F.R.C.S., F.R.C.O.G.

*Ophthalmology*

Philps, A. S., F.R.C.S.
Stallard, H. B., M.B.E., M.D., B.Chir. Camb., F.R.C.S.

*Orthopædics*

Higgs, S. L., M.B., B.Chir. Camb., F.R.C.S.
Burrows, H. J., M.D., B.Chir. Camb., F.R.C.S., F.R.A.C.S.

*Oto-Rhino-Laryngology*

Capps, F. C. W., F.R.C.S.
Jory, N. A., F.R.C.S.
Hogg, J. C., B.Chir. Camb., F.R.C.S.

*Pathology*

Blacklock, J. W. S., M.D. Glas., F.R.F.P.S.Glas. Prof.
Cunningham, G. J., M.D. Lond. Sr. Lectr.
Lehmann, H., M.D. Basle, Ph.D. Camb., F.R.I.C.
Brewer, H. F., M.D. Camb.

*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.
McDonald, D. A., M.B., B.Ch. Oxon. Reader.

*Psychiatry*

Strauss, E. B., M.A., D.M. Oxon., F.R.C.P.

*Radiology*

Harper, R. A. K., M.D. Edin., D.R., F.R.C.P. Ed., F.R.F.P.S.Glas.
Williams, I. G., M.B., D.M.R.E. Camb., F.R.C.S., F.F.R.

*Surgery*

Badenoch, A. W., M.A., M.D., Ch.M. Aberd., F.R.C.S.
Corbett, R. S., M.Chir. Camb., F.R.C.S.
Hosford, J. P., M.S., M.B., F.R.C.S.
Hume, J. B., M.S., M.B., F.R.C.S.
Hunt, A. H., D.M., M.Ch. Oxon., F.R.C.S.
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.
Naunton Morgan, C., M.B., B.S. Lond., F.R.C.S.
O'Connell, J. E. A., M.S., F.R.C.S.
Ross, Sir J. P., K.C.V.O., M.S., F.R.C.S. Prof.
Tubbs, O. S., M.B., B.Chir. Camb., F.R.C.S.
Tuckwell, E. G., M.Ch. Oxon., F.R.C.S.

*Venereal Diseases*

Nicol, C. S., M.D.

*Zoology and Comp. Anat.*

Marshall, A. J., D.Phil. Oxon. Reader.
Boswell, C., B.Sc. Lond., D.I.C.

## ADMINISTRATIVE AND OTHER STAFF

Warden: E. F. Scowen, M.D., F.R.C.P. Medical Officer: J. H. Coulson, D.C.H. Librarian: J. L. Thornton.

## GENERAL INFORMATION

St. Bartholomew's Hospl. was founded 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 sum of the value of over £2000 available for Scholps.; four for Research (in Medicine, Surgery and Pathol.) are open to graduates of any Univ. studying at St. Bartholomew's Hospl.

## THE YEAR 1951–52

BUILDINGS. Coll. Hall of Residence opened, providing accom. for 20 female and 80 male students. First phase of rebldg. war-damaged labs. also started.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 33 | 565 |
| Women | 4 | 134 |
| Total | 37 | 699 |

Postgraduate students, 107.

First-year admissions, 85.

Students (full-time) from other countries, 28. (Countries from which largest numbers came: British W. Indies, 4; S. Africa, 4; India, 3.)

DEGREES. M.B., B.S. Lond., 67; M.B., B.Chir. Camb., 17; B.M., B.Ch. Oxon., 12.

[*Information compiled as at* 12/5/53 ; *Staff list revised on* 24/9/53.]

# ST. GEORGE'S HOSPITAL MEDICAL SCHOOL

Founded 1752

*Postal Address* : Hyde Park Corner, London, S.W.1, England.
*Telephone* : Sloane 1716.

CHAIRMAN OF THE MEDICAL SCHOOL COUNCIL—Sir MALCOLM TRUSTRAM EVE, G.B.E., M.C., Q.C.

DEAN—M. F. NICHOLLS, C.B.E., M.A., M.Chir. Camb., F.R.C.S.

VICE-DEAN—M. I. A. HUNTER, M.D. Camb., F.R.C.P.

HON. LIBRARIAN—G. EDWARDS, D.A.

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.

*Cardiology*

..... Sr. Lectr.
Hunter, M. I. A., M.D. Camb., F.R.C.P. Lectr.

*Chemical Pathology*

Martin, N. H., B.Sc. Durh., M.A., B.M., B.Ch. Oxon., F.R.I.C. Prof.

*Dental Surgery*

Fickling, B. W., F.R.C.S., F.D.S. Lectr.

*Dermatology*

Gordon, H. W., M.C., B.A., M.B., B.Chir. Camb., F.R.C.P. Lectr.

*Forensic Medicine*

Teare, R. D., M.B., B.Chir. Camb. Lectr.

*Genito-Urinary Surgery*

Nicholls, M. F., C.B.E., M.A., M.Chir. Camb., F.R.C.S. Sr. Lectr.
Anderson, H. F., M.B., B.Chir. Camb., F.R.C.S. Lectr.

*Industrial Medicine*

Chiesman, W. E., M.A. Camb., M.D., F.R.C.P. Lectr.

*Medicine*

Dow, J. F., B.A., M.B., B.Chir. Camb., F.R.C.P. Lectr.
Gainsborough, H., M.A., M.D. Camb., F.R.C.P. Sr. Lectr.
Hunter, M. I. A., M.D. Camb., F.R.C.P. Lectr.
..... Lectr.

Robson, K., M.A., M.D. Camb., F.R.C.P. Lectr.
Nassim, J. R., M.A., B.M. Oxon., F.R.C.P.

*Mental Diseases (Psychiatry)*

Curran, D., M.B., B.Chir. Camb., D.P.M., F.R.C.P. Sr. Lectr.
Mallinson, Sir Paul, M.A., B.M., B.Ch. Oxon. Lectr.
Miller, E., M.A. Camb., D.P.M. Camb., F.R.C.P. Lectr.

*Neurology*

Williams, D. J., D.Sc., M.D. Manc., F.R.C.P. Lectr.

*Neuro-Surgery*

McKissock, W., O.B.E., M.S., F.R.C.S. Sr. Lectr.
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., D.P.H., F.R.C.P., F.R.C.S., F.R.C.O.G. Lectr.
Charles, A. H., M.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.

*Ophthalmology*

Duke-Elder, Sir Stewart, K.C.V.O., D.Sc., M.D. St. And., Ph.D., F.R.C.S. Sr. Lectr.
Bridgeman, Hon. G. J. O., M.B., B.Chir. Camb., F.R.C.S. Lectr.

*Orthopædics*

Burns, B. H., M.B., B.Chir. Camb., F.R.C.S. Sr. Lectr.
Young, R. H., M.B., B.Chir. Camb., F.R.C.S. Lectr.

*Oto-Rhino-Laryngology*

Jory, P. J., D.S.O., M.B., Ch.B. N.Z., F.R.C.S. Sr. Lectr.
Peacock, J. R., M.B., B.Chir. Camb., F.R.C.S. Lectr.

*Pædiatrics*

Pinckney, C. P., M.A., M.B., B.Chir. Camb., F.R.C.P. Sr. Lectr.
Kesson, C. W., M.D., B.S. Lectr.

*Pathology*

Crawford, T., B.Sc., M.D. Glas., F.R.F.P.S.Glas. Prof.
Chalmers, J. N. M., M.D. Glas., D.P.H. Lectr.

*Physical Medicine*

Shields, D. C., B.M., B.Ch. Oxon. Lectr.

*Plastic Surgery*

Blake, H. E., M.A., M.B., B.Chir. Camb., F.R.C.S. Lectr.

*Proctology*

Marnham, R., M.A., M.Chir. Camb., F.R.C.S. Lectr.

*Radiology*

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.

## ADMINISTRATIVE AND OTHER STAFF

Dean's Secretary: Marjory B. Allam. Accountant: W. H. Martin. Librarian: Sybil M. Yorath.

## GENERAL INFORMATION

St. George's Hospl. was opened for the reception of patients in 1734 and the physicians and surgeons were permitted to have a limited number of pupils from its inception. The School has existed in its present form since 1868. Since 1906 the teaching in the School has been devoted entirely to the clinical subjects and, by arrangement, students entering for the full course have done the pre-clinical work at King's Coll., London.

LIBRARY, MUSEUM, ETC. The School Library contains text-books and journals dealing with all branches of clinical study. The Pathol. Dept. contains labs. of Morbid Anat., Bacteriol., Hæmatol. and Chem. Pathol.

FEES. The annual composition fee of £63 covers all courses in the School and Hospl. and includes the subscription to the Students' Union.

SCHOLARSHIPS. Six Entrance Scholps. of the total value of £800 are offered for competition annually. The subjects of examn. are either Anat. and Physiol. or Pathol. Prizes of the total value of £260 are also offered for competition each year.

RESEARCH. Qualified students wishing to undertake research are encouraged to do so. Small annual grants from endowments are available for this purpose.

## THE YEAR 1951–52

NEW BUILDINGS. Enlarged Teaching Lab. and new Res. Labs. opened.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 20 | 148 |
| Women | 1 | 17 |
| Total | 21 | 165 |

Postgraduate students, 21 (all part-time).

New admissions, 44 (41 men; 3 women).

Students (full-time) from other countries, 15. (Countries from which largest numbers came: British W. Indies, 4; S. Africa, 3; New Zealand, 2.)

DEGREES. M.B., B.S. Lond., 21; B.M., B.Ch. Oxon., 3; M.B., B.Chir. Camb., 6; M.D. Lond., 3; M.D. Camb., 1.

[*Information compiled as at* 5/5/53 ; *Staff list revised on* 24/9/53.]

# ST. MARY'S HOSPITAL MEDICAL SCHOOL

Founded 1854

*Postal Address* : Norfolk Place, Paddington, London, W.2, England.
*Telephone* : Paddington 3612.

PRESIDENT—THE EARL OF VERULAM, M.A., F.I.I.A.

DEAN—A. G. CROSS, M.A., M.D., F.R.C.S.

DEPUTY DEAN—Professor 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.Chir. Camb.

*Anatomy*

Goldby, F., M.A., M.D. Camb. Prof.
Bellairs, A. d'A., M.A., M.Sc. Reader.

*Bacteriology*

Cruickshank, R., Ch.B., M.D. Aberd., D.P.H., F.R.C.P. Prof.
Hughes, W. H., M.D., B.S. Reader.
Himmelweit, H., M.D. Berl., Ph.D. (C.).*

*Biochemistry*

Williams, R. T., D.Sc. Birm., Ph.D. Wales Prof.
Smith, J. N., B.Sc., Ph.D., F.R.I.C.

*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. Manc., D.D.Sc. Melb., D.Sc., L.D.S. Manc., F.D.S.R.C.S. (C.).

*Dermatology*

Heggs, G. B. M., O.B.E., M.D., B.S., F.R.C.P. (C.).

*Medicine*

Hunt, T. C., B.A., D.M. Oxon., F.R.C.P. (C.).
Pickering, G. W., M.A., M.B. Camb., F.R.C.P. Prof.
Brooks, W. D. W., M.A., D.M., B.Ch. Oxon., F.R.C.P. (C.).
Litchfield, J. W., B.A., B.M., B.Ch., F.R.C.P. (C.).
Ackroyd, J. F., M.B., Ch.B.

*Mental Diseases*

Pearce, J. D. W., M.A., M.D. Edin., F.R.C.P.Ed. (C.).

*Neurology*

Brinton, D. H., D.M., B.Ch. Oxon., F.R.C.P. (C.).

* (C.) = Pt.-time Clinical Teacher.

*Obstetrics and Gynæcology*

Williams, L. H. W., M.D., M.S., F.R.C.S., F.R.C.O.G. (C.).*
MacLeod, D. H., M.B., M.S., F.R.C.P., F.R.C.S., F.R.C.O.G. (C.).

*Ophthalmology*

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.).
Leigh, A. G., M.D., Ch.B., F.R.C.S.

*Orthopædics*

..... (C.).
Adams, J. C., M.D., B.S., F.R.C.S.

*Oto-Rhino-Laryngology*

Simpson, J. F., F.R.C.S. (C.).
Robin, I. G., F.R.C.S. (C.).

*Pædiatrics*

Lightwood, R. C., M.D., F.R.C.P. (C.).

*Pathology and Morbid Anatomy*

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.
Neumark, 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., F.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.
Cross, K. W., M.B., B.S. 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. (C.).
Wright, A. D., M.B., M.S., D.T.M. & H., F.R.C.S. (C.).
Porritt, Sir A. E., K.C.M.G., C.B.E., M.A., B.M., M.Ch. Oxon., F.R.C.S. (C.).
Rob, C. G., M.C., M.A., M.B., M.Chir. Camb., F.R.C.S. Prof.
Goligher, J. C., Ch.M. Edin., F.R.C.S. (C.).

*Venereal Diseases*

McElligott, G. L. M., M.A. Oxon. (C.).
Jefferiss, F. J. G. (C.).
Willcox, R. R., M.D., B.S. (C.).

* (C.) = Pt.-time Clinical Teacher.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: E. J. Morris. Asst. Secretary: Miss M. D. Scott, M.B.E. Student Health Service Physicians: T. A. Kemp, M.D., B.Chir. Camb., F.R.C.P.; H. D. Cockburn, M.C.

## GENERAL INFORMATION

Founded 1854. A School of the Univ. in the Fac. of Medicine and incorporated under the National Health Service Act, 1946.

LIBRARY. 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 and 1 of £40 a year for 3 years. All these scholps. are eligible for supplementation by the Ministry of Education (application to be made in Jan.). Research Fellowships and many other prizes and scholps. are available.

PUBLICATION. *St. Mary's Hospital Gazette.*

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 376 |
| Women | .. | 68 |
| Total | .. | 444 |

Postgraduate students, 25.

New admissions, 65 (51 men ; 14 women).

Students (full-time) from other countries, 32. (Countries from which largest numbers came : Australia, 6 ; Egypt, 4 ; S. Africa, 4 ; British W. Africa, 3 ; U.S.A., 3.)

DEGREES. B.M., B.Ch. Oxon., 2 ; M.B., B.S., 51 ; M.B., B.Chir., 8 ; M.D., 13 ; M.S., 2 ; M.Sc., 1 ; B.Sc., 4.

DIPLOMAS. D.A., 2 ; D.I.H., 1 ; D.L.O., 1 ; D.M.R., 5 ; D.Obst.R.C.O.G., 1 ; D.T.M. & H., 2 ; F.R.C.S., 4 ; M.R.C.P., 9 ; M.R.C.S., L.R.C.P., 38.

[*Information compiled as at* 15/5/53 ; *Staff list revised on* 24/9/53. ]

# ST. THOMAS'S HOSPITAL MEDICAL SCHOOL

Founded in 13th century

*Postal Address* : Albert Embankment, London, S.E.1, England.
*Telephone* : Waterloo 5656, ext. 23.

DEAN—Professor W. G. BARNARD, C.B.E., F.R.C.P.

SUB-DEAN—J. FOREST SMITH, F.R.C.P.

MEDICAL SECRETARY—A. L. CROCKFORD, D.S.O., O.B.E., M.C., T.D., M.A., M.B., B.Chir. Camb.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*

Low, W. A., M.C., M.B., B.S., D.A., F.F.A.R.C.S.
Ryan, J. F., M.B., B.S., F.F.A.R.C.S.
Wylie, W. D., M.A., M.B., B.Chir. Camb.
Nosworthy, M. D., M.A., M.D. Camb., F.F.A.R.C.S.

*Anatomy*

Davies, D. V., M.A. Camb., M.B., B.S. Prof.
Barnett, C. H., M.B., B.Chir. Camb., F.R.C.S.

*Bacteriology*

Hare, R., M.D., B.S. Prof.
Barber, Mary, M.D., B.S. Reader.

*Biochemistry*

Young, Leslie, D.Sc., Ph.D., F.R.I.C. Prof.
Lowndes, J., F.R.I.C. Sr. Lectr.
Maw, G. A., Ph.D., B.Sc. Lectr.

*Biology*

Hamilton, A. G., B.Sc., B.Agr. Belf., Ph.D. Sr. Lectr.

*Cardiology*

Jones, E., M.D., B.S., F.R.C.P.

*Children's Diseases*

Forest Smith, J., F.R.C.P.

*Dental Surgery*

Hovell, J. H., 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, E., M.D., B.S., F.R.C.P.
Richardson, J. S., M.V.O., M.A., M.D. Camb., F.R.C.P.
Harman, J. B., M.A., M.D. Camb., F.R.C.P., F.R.C.S.
Anderson, H. J., M.B., B.Chir. Camb.
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.
..... 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., C.B.E., F.R.C.P. Prof.
John, R. W. Sr. Lectr.
Spencer, H., M.D., F.R.C.S., D.T.M. & H. Sr. Lectr.
Pinniger, J. L., M.D. 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*

Cochrane, W., B.Sc., Ph.D. Glas. Sr. Lectr.

*Physiology*

Barcroft, H., M.A., M.D. Camb., F.R.S. Prof.
Downman, C. B. B., Ph.D., 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., D.M.R., F.R.C.S.Ed., F.F.R.

*Surgery*

Romanis, W. H. C., M.A., M.B., M.Chir. Camb., F.R.C.S.
Robinson, R. H. O. B., M.A., M.B., B.Chir. Camb., F.R.C.S.
Boggon, R. H., M.B., M.S., F.R.C.S.
Barrett, N. R., M.A., M.Chir. Camb., F.R.C.S.
Mimpriss, T. W., M.B., B.S., F.R.C.S.
Nevin, R. W., T.D., M.A., M.B., B.Chir. Camb., F.R.C.S.
Perkins, G., M.C, M.A., M.Ch. 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.

## ADMINISTRATIVE AND OTHER STAFF

Librarian : F. A. Tubbs.

## GENERAL INFORMATION

The School was founded in the 13th century and is now an incorporated Sch. of the Univ. of London. The Pre-med. and Pre-clin. Depts. are well equipped, and there are full Professorial Units in Med. and Surg. The Hospl. has over 700 beds available for teaching; the Library contains over 18,000 medical books and pamphlets. There is an extensive pathol. museum.

COURSES. Full instrucn. is provided for the whole course for the degree of M.B., B.S. London. Students for this degree join the pre-clin. period in Oct., but those from the Univ. of Oxford or Cambridge, who wish to do their clin. work in London for their own Univ. degrees, may join in April or Oct. A final F.R.C.S. course is held twice a yr., starting in March and Sept. Women students are accepted up to 15 per cent. of the annual entry.

UNIVERSITY ENTRANCE REQUIREMENTS. Students entering the pre-med. or pre-clin. periods must either have achieved London Matricn. or exemption therefrom, or (subsequent to April 30, 1951) must have passed the nec. subjs. in a General Certificate of Education examn. to enable them to be registered as matriculated students in the Univ. of Lond. on acceptance by the Med. Sch. *See also* Appendix I.

FACULTY REQUIREMENT FOR MEDICINE. Pass at least Ord. level in Phys. and Chem. in G.C.E. Examn.

FEES. Tuition, £57 : 15s. p.a.; club subscription, 5 gs. p.a.

SCHOLARSHIPS. Scholps. are offered for entry into the pre-clin. and clin. periods and many scholps. and prizes are awarded during the yr. Res. facilities and scholps. available for postgrads.; 2 scholps. may be awarded annually to enable selected students to take a B.Sc. degree in Physiol. or Anat. before proceeding to clin. period.

STUDENT HEALTH SERVICE. Every student on joining the Med. Sch. is given a thorough med. examn. and a check is kept on students' health throughout their period of training. Weekly clinics are also held for students who want med. advice.

PUBLICATIONS. *Prospectus*, once a year; St. Thomas's Hospital *Gazette*, 6 times a yr.; St. Thomas's Hospital *Report*, once a yr.

## THE YEAR 1951–52

RETIREMENTS. Dr. J. H. Brinkworth (Phys.); Dr. W. Rushton (Biol.).

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* |
|---|---|---|
| Men | 32 | 447 |
| Women | 1 | 53 |
| Total | 33 | 500 |

New admissions (full-time), 85 (72 men; 13 women).

Students (full-time) from other countries, 30. (Countries from which largest numbers came: British W. Indies, 10; British E. Africa, 8; S. Rhodesia, 3.)

* All postgraduate.

DEGREES. M.B., B.S. Lond., 45 ; M.B., B.Chir. Camb., 33 ; B.M., B.Ch. Oxon., 10 ; M.D. Lond., 8 ; M.S. Lond., 3 ; M.D. Camb., 5 ; M.Chir. Camb., 1 ; B.Sc. (Hons. Physiol.) Lond., 3.

DIPLOMAS. *London* : D.C.P., 1 ; D.T.M., 2 ; D.M.R. (Diag.), 1 ; D.P.H., 1 ; D.P.M., 1 ; D.R.C.O.G., 7 ; M.R.C.P., 13 ; F.R.C.S., 15.

[*Information compiled as at* 19/5/53 ; *Staff list revised on* 24/9/53.]

# UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1828

*Postal Address* : University Street, London, W.C.1, England.
*Telephone* : Euston 5861.

CHAIRMAN OF THE SCHOOL COUNCIL—Sir CHARLES HARINGTON, D.Sc., Ph.D., F.R.S.

DEAN—J. 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

*Anæsthetics*

Dawkins, C. J. Massey, M.A., M.D., D.A. Lectr.

*Bacteriology*

Smith, W., M.D., F.R.S. Prof.

*Chemical Pathology*

Rimington, C., Ph.D., D.Sc. Prof.
Work, Mrs. Constance Reader.

*Clinical Pathology*

Maizels, M., M.D., F.R.C.P. Prof.

*Dermatology*

Goldsmith, W. N., M.A., M.D., F.R.C.P. Lectr.

*Forensic Medicine*

Purchase, W. Bentley, M.C., M.A., M.B. Camb., D.P.H. Lectr.

*Medicine*

Cowell, S. J., M.A., M.B., B.Chir. Camb., F.R.C.P. (Dietetics) Prof.
Dent, C. E., M.D., Ph.D. Reader.
Harris, K. E., M.A., M.D., F.R.C.P. Lectr.
Hawksley, J. C., C.B.E., M.D., Ph.D., F.R.C.P. Lectr.
Morland, A., M.D., F.R.C.P. Lectr.
Pochin, E. E., M.A., M.D., F.R.C.P. Lectr.
Pritchard, E. A. B., M.D., F.R.C.P. Lectr.
Rosenheim, M. L., M.A., M.D., F.R.C.P. Prof.
Stokes, J. F., M.D., F.R.C.P. Lectr.

*Mental Diseases*

.....

*Morbid Anatomy*

Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S. Prof.

*Obstetrics and Gynæcology*

Flew, J. D. S., M.D., F.R.C.O.G. Lectr.
Nixon, W. C. W., M.D., F.R.C.S., F.R.C.O.G. Prof.
White, N. L., F.R.C.S., F.R.C.O.G. Lectr.

*Ophthalmology*

Lecturer

Shapland, C. D., F.R.C.S.

*Oto-Rhino-Laryngology*

Lecturers

Formby, M. L., F.R.C.S.
Wadge, Joan, B.S., F.R.C.S.
Hallpike, C. S., F.R.C.S., F.R.C.P.

*Pædiatrics*

Schlesinger, B. E., O.B.E., M.A., M.D. Camb., F.R.C.P. Lectr.

*Pharmacology*

Paton, W. D. M., M.A., M.B., B.Ch. Oxon. Reader.

*Physical Medicine*

Burt, H. A., M.B., B.Chir. Camb. Lectr.

*Radiology*

Shanks, S. Cochrane, M.D., F.R.C.P., F.F.R. Lectr.

*Radio-therapy*

Hilton, Mrs. Gwen, B.Sc., M.B., B.S., D.M.R.E , 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 Surgery).
Flemming, C. W., O.B.E., M.Ch. Oxon., F.R.C.S.
Gardham, A. J., M.S., F.R.C.S.
Matthews, D. N., O.B.E., M.Chir. Camb., F.R.C.S.
Nightingale, Doreen, M.S., F.R.C.S.
Merrington, W. R., M.S., F.R.C.S.
Pilcher, R. S., M.S., F.R.C.S. Prof.
Taylor, J., C.B.E., M.S., F.R.C.S.
Wolfe, H. R. I., M.S., F.R.C.S.

*Venereal Diseases*

Thomas, E. G., O.B.E., M.D. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Assistant Secretary : G. C. Woodward. Accountant : A. Morriss.

## GENERAL INFORMATION

The history of University College Hospital Medical School is closely bound up with the history of Univ. Coll. From the time of the opening of the Coll. in Oct. 1828, until its incorporation in the Univ. of London in 1907, the Fac. of Medicine was governed by the Corporation and Council of Univ. Coll.

Pursuant to Section 15 of the National Health Service Act, 1946, the School now has its own Charter of Incorporation and has become a Body corporate, having a perpetual succession and a common seal.

The present Medical School bldgs. were erected in 1907 as the result of funds subscribed by Sir Donald Currie, and the School was admitted as a School of the Univ. in the Fac. of Medicine on Jan. 1, 1907.

The preliminary and intermediate medical studies are held at Univ. Coll.

LIBRARY AND MUSEUM. The General Library contains about 30,000 books, including text-books, books of reference and sets of medical periodicals. The Graham Library is a separate collection of books and periodicals, and contains complete sets of British, American, French and German journals of interest to the workers in many branches of Medicine. The Ratcliffe Crocker Library, which consists of a collection of Dermatological volumes, is housed in the Royal Society of Medicine Library, 1 Wimpole Street, London, W.1. The Museum of Pathol. Anat. (Curator : Prof. G. R. Cameron) contains a collection of Medical, Surgical, Obstetrical and Gynæcol. specimens. Microscopic sections of most of the specimens are available for the use of students.

FEES. For the complete Clinical Course, £180.

SCHOLARSHIPS. Two Goldsmid Entrance Scholps. entitling the holder to the Final Course of Medical Study; one Goldsmid Entrance Exhibition entitling the holder to a reduction by £126 of the fees due for the full Course of Final Medical Study; one Filliter Entrance Scholp. in Pathol., entitling the holder to a reduction of £123 of the fees for the full Course of Final Medical Study. In addition scholps. and prizes are available to the approx. annual value of £3000.

RESIDENCE. Adjoining the Medical School is a specially equipped hostel solely for students in the School.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 75 | 264 |
| Women | 14 | 48 |
| Total | 89 | 312 |

Postgraduate students, 42.
New admissions, 76.

DEGREES OBTAINED. M.B., B.S. Lond., 42; M.D. Lond., 13; M.D. Camb., 4; M.B., B.Chir. Camb., 19; B.M., B.Ch. Oxon., 1; Ph.D. Lond., 5.

## UNIVERSITY COLLEGE HOSPITAL DENTAL SCHOOL

### APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*
Hudson, M. W. P., M.B., B.S., D.A.

*Anatomy*
Young, J. Z., M.A. Oxon., F.R.S. Prof.

*Bacteriology*
Smith, W., M.D., F.R.S. Prof.

*Dental Surgery*
Dudley-Buxton, J. L., F.D.S.R.C.S.
Everett, C. E.
Green, C. de V., D.D.S. Tor., F.D.S.R.C.S.
Ince-Jones, A. K., F.D.S.R.C.S.
Schofield, J., F.D.S.R.C.S.
Shefford, A. D. E., O.B.E., F.D.S.R.C.S.
Wright, J., A.F.C., H.D.D.Ed., F.D.S.R.C.S.

*Medicine*
Stokes, J. F., M.D., F.R.C.P.

*Orthodontics*
Grossmann, W.

*Pathology*
Cameron, G. R., M.B., B.S. Melb., D.Sc., F.R.C.P., F.R.S. Prof.

*Surgery*
Matthews, D. N., O.B.E., M.D., M.Chir. Camb., F.R.C.S.

### ADMINISTRATIVE AND OTHER STAFF

Assistant Secretary: G. C. Woodward. Accountant: A. Morriss.

## GENERAL INFORMATION

The National Dental Hospl. was amalgamated with Univ. Coll. Hospl. in 1914, and the Dental School was recognized by the Univ. of London. The School carries out courses of study for the degree of B.D.S. London, and is open equally to men and women. Students are not eligible to commence until they have passed the 1st M.B. London.

FEES. £70 p.a., inclusive, to cover the four-years curriculum.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 2 | 59 |
| Women | .. | 13 |
| Total | 2 | 72 |

Postgraduate students, 2.
New admissions, 26.

DEGREES. B.D.S. Lond., 5.

DIPLOMAS. L.D.S.R.C.S. Eng., 10; F.D.S.R.C.S., 3.

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Students (full-time) from other countries, 18. (Countries from which largest numbers came: British W. Africa, 4; British Guiana, 2; China, 2; India, 2; Iraq, 2; S. Africa, 2.)

[*Information compiled as at* 10/6/53 : *Staff list revised on* 24/9/53.]

# WESTMINSTER MEDICAL SCHOOL

Founded 1834

*Postal Address* : Horseferry Rd., Westminster, London, S.W.1, England.
*Telephone* : Victoria 6041-2.

CHAIRMAN—H. M. CLOWES, D.S.O.

DEAN—H. E. HARDING, F.R.C.S.

SUB-DEAN—F. D. HART, M.D. Edin., F.R.C.P.

SECRETARY—W. R. MOULE, M.A. Camb.

## APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*

Magill, I. W., M.B., B.Ch. Belf., D.A., F.R.C.S.
Organe, G. S. W., M.D. Camb., D.A., F.F.A.R.C.S.
Jarman, R., D.Sc., D.A.

*Bacteriology*

Lacey, B. W., B.Sc., M.B., B.S. Reader.

*Chemical Pathology*

Maclagan, N. F., M.D., D.Sc., F.R.C.P., F.R.I.C. Prof.
Wilkinson, J. H., B.Sc., Ph.D., F.R.I.C.

*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., B.Chir., M.D. Camb.

*Ear, Nose and Throat Surgery*

Ashcroft, D. W., M.B., Ch.B. N.Z., F.R.C.S.

*Hæmatology*

Humble, J. G. *Sr. Lectr.

*Medicine*

Lloyd, W. E., M.D., F.R.C.P.
Meadows, S. P., B.Sc., M.D., F.R.C.P.
Gavey, C. J., M.D., B.S., F.R.C.P.
Hart, F. D., M.D. Edin., F.R.C.P. Reader.
Lovibond, J. L., T.D., M.D., F.R.C.P.

*Morbid Anatomy*

Morgan, A. D., M.B., Ch.B. Aberd. Reader.
..... 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.
.....
Evans, A. B., F.R.C.S., F.R.C.O.G.

*Ophthalmology*

King, E. F., F.R.C.S.

Trevor-Roper, P. D., F.R.C.S.

*Orthopædics*

Brockman, E. P., B.A., M.Chir. Camb., F.R.C.S.
Harding, H. E., F.R.C.S.

*Paediatrics*

Anderson, I. M., M.D. Glas.
Levi, D., M.S., F.R.C.S.

*Psychiatry*

Garmany, G., M.B., Ch.B. Manc., D.P.M.

*Public Health*

Shinnie, A. J., O.B.E., M.D. Aberd., D.P.H.

*Radiology*

Kerley, P. J., C.B.E., M.D. N.U.I., D.M.R.E., F.R.C.P.

*Surgery*

Cade, Sir Stanford, K.B.E., C.B., F.R.C.S.
Price Thomas, Sir Clement, K.C.V.O., F.R.C.S.
Lee, E. S., M.S., F.R.C.S.
Macnab, G. H., M.B., Ch.B. Edin., F.R.C.S.
d'Abreu, F. A., Ch.M. Birm., F.R.C.S.
Abel, A. L., M.S., F.R.C.S.
Raven, R. W., O.B.E., F.R.C.S.
Aylett, S. O., M.B.E., F.R.C.S.

## ADMINISTRATIVE AND OTHER STAFF

CHAPLAIN. Canon C. Hildyard.

SUPERVISOR OF STUDENTS' HEALTH SERVICE. R. D. Tonkin, M.D.

MANAGERESS OF STUDENTS' HOSTEL. Mrs. Kathleen M. Cordes.

## GENERAL INFORMATION

HISTORY. Westminster Hospital was instituted in the year 1719, and incorporated by Act of Parliament in 1836. A Medical School has existed in Westminster since 1834, but was not brought into formal connexion with the Hospital until 1849. The new and enlarged School was completed in May 1939 in order to meet the demands of the latest developments in medical education.

CONSTITUTION. Westminster Medical School is a school of the University of London. Its government is vested in the governing body of the School called the Council.

FEES. Entrance fee, 5 gs.; annual tuition fee, £66 (including membership of the Students' Union).

SCHOLARSHIPS. Four Scholps., each of the value of £40 p.a. for 3 yrs., are awarded on the result of an examn. held in May of each yr. in First-Year subjects. 4 Scholps. of similar value are also awarded annually as the result of examns. in Anat. and Physiol. held in April and Sept. The winners of these Scholps. are eligible to apply to the Ministry of Education for a supplemental award, which is assessed in accordance with financial circumstances. The David de Souza Scholp. of the value of £40 p.a. is awarded on the results of an examn. in Applied Physiol. held in March; the award is for 4 terms, for the special B.Sc. course in Physiol. after pre-clinical studies.

LIBRARY. The Library contains 4600 books and subscribes yearly to 99 journals and periodicals. There are 505 bound volumes of periodicals.

MUSEUM. The museum is specially designed to give a complete survey of modern medical science and contains over 3000 pathological specimens, of

which 600 have been added in the last 4 yrs. The remainder have been remounted and the diagnosis and nomenclature adapted to modern concepts of disease.

TEACHING HOSPITALS. Students receive their clinical training in the hospitals of the Westminster Hospital Teaching Group, which consists of Westminster Hospital, the Westminster Children's Hospital, the Gordon Hospital and All Saints' Hospital.

STUDENTS' RESIDENCE. There is a hostel for men students at Brabazon House, 5 Moreton Street, S.W.1, providing accomm. for some 70 students. Fees, £3 : 3s. per week for a single room and £2 : 15s. 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. Land has been acquired at Cobham, Surrey, for a new Sports Ground and is being prepared for use early in 1954.

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 Broad Way* (students), four times a year.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 44 | 180 |
| Women | 1 | 20 |
| Total | 45 | 200 |

Postgraduate students, 45.

First-year admissions, 68.

Students (full-time) from other countries, 6. (From British Guiana, British W. Africa, Ceylon, Jamaica, Singapore, U.S.A.)

DEGREES. M.B., B.S., 27; M.B., B.Chir., 9; B.M., B.Ch., 2.

# *POSTGRADUATE MEDICAL SCHOOLS*

[*Information compiled as at* 2/6/53 ;
*Staff list revised on* 24/9/53.]

## BRITISH POSTGRADUATE MEDICAL FEDERATION

Founded 1945

*Postal Address of Central Office*: 2 Gordon Square, London, W.C.1, England.
*Telegraphic Address*: Britgramed, London.
*Telephone*: Museum 6616.

CHAIRMAN OF GOVERNING BODY—The Rt. Hon. VISCOUNT WAVERLEY, G.C.B., G.C.S.I., G.C.I.E., M.A., D.Sc., LL.D., F.R.S.

DIRECTOR—Professor Sir FRANCIS R. FRASER, M.A. Camb., M.D., LL.D. Edin., F.R.C.P.

## APPOINTED AND RECOGNIZED TEACHERS

*Note.* In the following list the names of the Institutes are indicated by letters thus :

Institute of Cancer Research (CR.).
Institute of Child Health (CH.).
Institute of Dental Surgery (DS.).
Institute of Laryngology and Otology (LO.).
Institute of Neurology (N.).
Institute of Obstetrics and Gynæcology (OG.).
Institute of Ophthalmology (Op.).
Institute of Orthopædics (Orth.).
Postgraduate Medical School of London (PM.).
Institute of Psychiatry (Psy.).

*Anæsthetics*

Goldman, V., D.A., F.F.A.R.C.S. Lectr. (DS.).

*Biochemistry*

Boyland, E., D.Sc. Manc., Ph.D. Prof. (CR.).
Klyne, W., M.A. Oxon., Ph.D. Edin. Reader (PM.).
McIlwain, H., D.Sc, Ph.D. Durh. Reader (Psy.).
Dixon, T. F., B.Sc., Ph.D., F.R.I.C. Sr. Lectr. (Orth.).

*Biophysics*

Hill, D. K., M.A. Camb. Sr. Lectr. (PM.).

*Chemistry*

Bergel, F., D.Phil. Freiburg, Ph.D., D.Sc. Prof. (CR.).
Butler, J. A. V., D.Sc. Prof. (CR.).
Ross, W. C. J., D.Sc., Ph.D. Reader (CR.).
Roe, Edna M. F., B.Sc., Ph.D. Lectr. (CR.).

*Children's Diseases*

Moncrieff, A. A., C.B.E., M.D., F.R.C.P. Prof. (CH.).

Lecturers

Dobbs, R. H., M.D. Camb. (CH.).
Evans, P. R., M.D., M.Sc. Manc., F.R.C.P. (CH.).
Franklin, A. W., M.A., M.B., B.Chir. Camb., F.R.C.P. (OG.).
Lightwood, R., M.D., F.R.C.P. (CH.).

Newns, G. H., M.D., B.S., F.R.C.P. (CH.).
Schlesinger, B. E., O.B.E., M.A., M.D. Camb., F.R.C.P. (CH.).
Sheldon, W. P. H., M.D., F.R.C.P. (CH.).
Wilmers, Mary J., M.D. (CH.).

*Dental Surgery*

Wilkinson, F. C., M.D., B.D.S. Liv., D.D.Sc. Melb., M.Sc. Manc., F.D.S.R.C.S. Prof. (DS.).

Senior Lecturers (DS.)

Ballard, C. F., F.D.S.R.C.S.
Cross, W. G., M.B., M.S., B.D.S.
Kramer, I. R. H.
Morrant, G. A., D.D.S.
Parfitt, G. J., F. D. S. R. C. S., F.R.C.P. Reader (PM.).

*Dermatology*

Brain, R. T., M.D., F.R.C.P. Lectr. (CH.).

*Hygiene and Public Health*

Roberts, J. A. F., M.A. Camb., M.D. Edin., F.R.C.P. Lectr. (CH.).

*Medicine*

McMichael, J., M.D. Edin., F.R.C.P. Prof. (PM.).
Fraser, T. R., M.D. N.Z., D.P.M., F.R.C.P. Reader (PM.).

Lecturers

Barnes, C. G., M.D., B.S., F.R.C.P. (OG.).
Behrman, S., B.Sc. (Op.).
Bishop, P. M. F., B.A., D.M. Oxon. (OG.).
Brain, Sir Russell, M.A., D.M., B.Ch. Oxon., P.R.C.P. (N.).
Brinton, D. H., D.M., B.Ch. Oxon., F.R.C.P. (N.).
Bywaters, E. G. L., M.B., B.S., F.R.C.P. (PM.).
Cope, C. L., B.M., B.Ch. Oxon., F.R.C.P. Sr. Lectr. (PM.).
Critchley, M., M.D. Brist., F.R.C.P. (N.).
Dimsdale, Helen E., M.A., M.D. Camb., F.R.C.P. (N.).
Elliott, F. A., M.B., Ch.B. Cape T., F.R.C.P. (Op.).
Gavey, C. J., M.D., F.R.C.P. (Op.).
Goodwin, J. F., M.D., B.S. (PM.).
Henson, R. A., M.D., B.S. (N.).
McAlpine, D., M.D., Ch.B. Glas., F.R.C.P. (N.).
Meadows, S. P., B.Sc. Liv., M.D., F.R.C.P. (Op.).
Nassim, J. R., M.A., B.M., B.Ch. Oxon., F.R.C.P. (Orth.).
Scadding, J. G., M.D., F.R.C.P. (PM).
Sherlock, Sheila P. V., M.D., Ch.B. Edin., F.R.C.P. (PM.).
Symonds, Sir Charles P., K.B.E., C.B., M.D., F.R.C.P. (N.).
Williams, D., D.Sc., M.D. Manc., F.R.C.P. (N.).

*Mental Diseases*

Lewis, A. J., M.D. Adel., F.R.C.P. Prof. (Psy.).
Stengel, E., M.D. Vienna Reader (Psy.).

Lecturers (Psy.)

Bennett, E. A., M.A., Sc.D., M.D., Ch.B. Dub., D.P.M.
Blacker, C. P., M.A., F.R.C.P.
Cameron, K., M.B., Ch.B. Edin.
Davies, D. L., M.A., D.M., B.Ch. Oxon., D.P.M.
East, Sir W. N., M.D., F.R.C.P.
Gillespie, W. H., M.D. Edin.
Harris, A., M.A., M.D., Ch.B., D.P.M.
Hill, J. D. N., M.B., B.S., D.P.M., F.R.C.P.
Miller, E., D.P.M., F.R.C.P.
Post, F., M.B., B.S., D.P.M.
Scott, W. C. M., B.Sc., M.D. Tor.
Slater, E. T. O., M.A., M.D. Camb., D.P.M., F.R.C.P.
Warren, W., M.D., B.Chir. Camb., D.P.M.

*Obstetrics and Gynæcology*

Browne, J. C. McC., B.Sc., M.B., B.S., F.R.C.S.Ed. Prof. (OG.).

Donald, I., B.A. Cape T., M.D., B.S. Reader (OG.).

Lecturers (OG.)

Arthure, H. G. E., M.D., F.R.C.S., F.R.C.O.G.

Bell, A. C. H., M.B., B.S., F.R.C.S., F.R.C.O.G.

Blaikley, J. B., M.B., B.S., F.R.C.S., F.R.C.O.G.

Clayton, S. G., M.D., M.S., F.R.C.S.

Cook, F., B.Sc., M.B., B.S., F.R.C.S., F.R.C.O.G.

Evans, A. B., M.B., B.Chir. Camb., F.R.C.S., F.R.C.O.G.

Fleming, Amy, M.D. Glas., F.R.C.O.G.

Flew, J. D. S., M.D.

Gibberd, G. F., M.S., F.R.C.S., F.R.C.O.G.

Goodwin, A., O.B.E., M.D., F.R.C.S.

Green-Armytage, V., M.D., F.R.C.O.G.

Jackson, I., M.B., B.Chir. Camb., F.R.C.S.

Murdoch, J. D., M.B., Ch.B. N.Z., F.R.C.S.Ed. Sr. Lectr.

Read, C. D., M.B., Ch.B. N.Z., F. R. C. S. Eng. and Ed., F.R.C.O.G.

Rickford, R. B. K., B.S., M.D.

.....

Winterton, W. R., M.A., M.B., B.Chir. Camb., F.R.C.S.

*Ophthalmology*

Lecturers (Op.)

Cardell, J. D., M.B., B.S., F.R.C.S.

Cross, A. G., M.D., F.R.C.S.

Davenport, R. C., M.B., B.S., F.R.C.S.

Doggart, J. H., M.A., M.D. Camb., F.R.C.S.

Duke-Elder, Sir S., K.C.V.O., M.A., M.D., D.Sc. St. And., Ph.D., F.R.C.S.

Gimblett, C. L., M.D., F.R.C.S.

Goldsmith, A. J. B., M.B., B.S., F.R.C.S.

King, E. F., M.B., Ch.B. Brist., D.O.M.S., F.R.C.S.

Law, F. W., M.A., M.D. Camb., F.R.C.S.

Leigh, A. G., M.D., F.R.C.S.

Lister, A., M.B., B.Chir. Camb., F.R.C.S.

Lyle, T. K., M.D., M.Chir. Camb., F.R.C.S.

Milner, J. G., M.B., B.Chir. Camb., F.R.C.S.

Moffatt, P. McG., M.D., D.O.M.S., D.P.H., F.R.C.S.

Penman, G. G., M.D., F.R.C.S.

Philps, A. S., F.R.C.S.

Ridley, F. T., B.Sc., M.B., B.S., F.R.C.S.

Ridley, N. H. L., M.D., F.R.C.S.

Shapland, C. D., M.B., B.S., F.R.C.S.

Stallard, H. B., M.D.

Wolff, E., M.B., B.S., F.R.C.S.

*Orthopaedics*

Lecturers (Orth.)

Burrows, H. J., M.A., M.D., B.Chir. Camb., F. R. C. S., F.R.A.C.S.

Cholmeley, J. A., M.B., B.S., F.R.C.S.

.....

Nissen, K. I., B.Sc., M.B., Ch.B. N.Z., M.D., F.R.C.S.

Newman, P. H., F.R.C.S.

Seddon, H. J., M.A., D.M. Oxon., M.B., B.S., F.R.C.S. Dir.

Trevor, D., M.B., M.S., F.R.C.S.

*Oto-Rhino-Laryngology*

Ormerod, F. C., M.D., Ch.B. Manc., F.R.C.S. Prof. (LO.).

Lecturers

Asherson, N., M.B., B.S., F.R.C.S. (LO.)

Cawthorne, T., F.R.C.S. (N.).
Ellis, M. P., M.D., M.S., F.R.C.S. (LO.).
Gill-Carey, C., F.R.C.S. (LO.).
Hallpike, C. S., M.B., B.S., F.R.C.S., F.R.C.P. (N.).
Hogg, J. C., M.B., B.Chir. Camb., F.R.C.S. (LO.).
Howells, G. H., M.B., B.S., F.R.C.S. (LO.).
McKenzie, W. S., B.A., M.B., B.Chir. Camb., F.R.C.S. (LO.).
Radcliffe, A., B.A., M.B., Ch.B. Dub., D.L.O., F.R.C.S. (LO.).
Watkyn-Thomas, F. W., M.B., B.Chir. Camb., F.R.C.S. (LO.).

*Pathology and Bacteriology*

Dible, J. H., M.B., Ch.B. Glas., F.R.C.P. (Pathol.) Prof. (PM.).
Haddow, A., M.D., D.Sc., Ph.D. Edin. (Exper. Pathol.) Prof. (CR.).
King, E. J., M.A. McM., Ph.D. Tor. (Chem. Pathol.) Prof. (PM.).
Meyer, A., M.D. Bonn (Neuropathol.) Prof. (Psy.).
Stamp, Lord, M.A., M.B., B.Chir. Camb. (Bacteriol.) Prof. (PM.).
Ashton, N. H. (Pathol.) Reader (Op.).
Dacie, J. V., M.B., B.S. (Haematol.) Reader (PM.).
Friedmann, I., M.D. Prague, D.C.P. (Bacteriol.) Reader (LO.).
Harrison, C. V., M.D., B.Sc. Wales (Morbid Anat.) Reader (PM.).
Horning, E. S., M.A. Oxon., D.Sc. Melb. (Exper. Pathol.) Reader (CR.).
Blackwood, W., M.B., Ch.B., F.R.C.S.Ed. Lectr. (N.).
Bodian, M., M.D. Vienna, D.C.P. Lectr. (CH.).
Cathie, I. A. B., M.D., B.S. Lectr. (CH.).
Doniach, I., M.D. Lectr. (PM.).
Haines, R. M., M.D. Lectr. (OG.).
Hayes, W., M.B., B.Ch., D.Sc. Dub., F.R.C.P.I. Sr. Lectr. (PM.).
Lennox, B., M.D., B.S. Durh. Lectr. (PM.).
Mitchison, D. A., B.A., M.B., B.Chir. Camb. Lectr. (PM.).
Murray, J., M.D., B.Chir. Camb. Lectr. (OG.).
Payne, W. W., M.B., B.S., F.R.C.P. Lectr. (CH.).
Sissons, H. A., M.B., B.S. Melb. Lectr. (Orth.).
White, J. C., M.B., Ch.B. Birm. Lectr. (PM.)

*Physics*

Mayneord, W. V., D.Sc. Birm., F.I.P. Prof. (CR.).
Lamerton, L. F., M.Sc., Ph.D., F.I.P. Reader (CR.).
Clark, L. H. S., Ph.D. Lectr. (PM.).

*Physiology*

Harris, G. W., M.A., M.D., Sc.D. Camb., F.R.S. Prof. (Psy.).
Koller, P. C., B.Sc., Ph.D. Bud., D.Sc. Edin. Lectr. (CR.).
Thomson, L. C., M.B., B.S., Ph.D. Lectr. (Op.).

*Psychology*

Eysenck, H. J., B.A., Ph.D. Reader (Psy.).

*Radiology*

Smithers, D. W., M.D. Camb., D.M.R. Prof. (CR.).
Golding, F. C., D.M.R.E., F.R.C.P. Lectr. (Orth.).
Lederman, M., M.B., B.S., D.M.R.E., F.F.R. Lectr. (CR.).
White, J. D., O.B.E., M.B., Ch.B. Edin., D.M.R.E. Lectr. (PM.).
Williams, E. R., M.D., D.M.R.E., F.R.C.P., F.F.R. Lectr. (OG.).

*Surgery*

Aird, I., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof. (PM.).

Donald, C., O.B.E., M.D., Ch.M. Aberd., F.R.C.S. Lectr. (CH.).
Ewing, M. R., M.B., Ch.B. Edin., F.R.C.S.Ed. Sr. Lectr. (PM.)
Franklin, R. H., M.B., B.S., F.R.C.S. Lectr. (PM.).
Gray, C., B.Sc., M.B., Ch.B. Manc., F.R.C.S. Lectr. (PM.).
Heanley, C. L., M.A., M.B., F.R.C.S. Lectr. (LO.).
Jackson, H., F.R.C.S. Lectr. (N.).
Knight, G. C., M.B., B.S., F.R.C.S. Lectr. (PM.).
Logue, V., M.B., B.S., F.R.C.S. Lectr. (Orth.).
Macnab, G. H., M.B., Ch.B. Edin., F.R.C.S. Lectr. (CH.).
McKissock, W., M.B., M.S., F.R.C.S. Lectr. (N.).
Shackman, R., M.B., B.S., F.R.C.S. Sr. Lectr. (PM.).
Taylor, S. F., M.A., B.M., M.Ch. Oxon., F.R.C.S. Lectr. (PM.).

## ADMINISTRATIVE AND OTHER STAFF

STAFF OF CENTRAL OFFICE. Asst. Director: C. F. Hamilton-Turner, M.A., D.M., B.Ch. Oxon. Secretary of Central Office: A. Yvonne Champtaloup, M.B.E., B.A. N.Z. Accountant: H. Leslie Smith. Regional Advisers in Postgrad. Med. Educn. to Metropolitan Hosp. Regions: N.E. Region: D. F. Ellison Nash, F.R.C.S.; S.E. Region: H. G. McGregor, M.D.; N.W. and S.W. Region: D. C. Bowie, O.B.E., M.B., Ch.B. Glas., F.R.C.S.Ed.

## GENERAL INFORMATION

The Federation was established by the Senate in 1945 for the further development of postgraduate medical education in London. It was incorporated by Royal Charter in March 1947, and admitted as a School of the Univ. in Dec. 1947. The purpose of the Federation is to provide organized and correlated facilities for postgraduate teaching and research for qualified medical practitioners from the U.K., the Dominions, Colonies and abroad, and to co-operate with Univs., Medical Schools, the Royal Colls. and other bodies in their provisions for postgraduate medical education. The Federation provides: (i) Training for prospective specialists, supplementing the work of the undergraduate medical schools. (ii) Advanced revision for practising specialists. (iii) Instruction for medical practitioners who, though not specialists, desire more detailed knowledge of any branch of medicine. (iv) Continuing education of general practitioners.

The Federation comprises at present: *Federated Institutes*—Postgraduate Medical School of London, Institute of Psychiatry, Institute of Laryngology and Otology, Institute of Ophthalmology, Institute of Child Health, Institute of Obstetrics and Gynæcology, Institute of Neurology, Institute of Orthopædics, Institute of Dental Surgery, Institute of Cancer Research. These have been approved by the Senate for recognition as Federated Institutes. *Associated Institutes*—Institute of Diseases of the Chest, Institute of Cardiology, Institute of Dermatology, Institute of Urology, Institute of Basic Medical Sciences. These 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., M.D.S. and Ph.D. degrees and the postgraduate diplomas in Clinical Pathol. and Psychol. Medicine of the Univ.

The Federation organizes short courses for general practitioners at hospitals in the four London Metropolitan Regions ; these include a number of courses consisting of half-day sessions, at undergraduate and postgraduate teaching hospitals. The administration of the Federation is carried out by the Central Office, which maintains a bureau of information on postgraduate medical education in the U.K.

The Federation awards a limited number of Travelling Fellowships annually to medically or dentally qualified men and women who are holding appts. or are engaged in postgraduate study at undergraduate or postgraduate teaching hospls. or medical schools of the Univ. of London.

Following the institution of the National Health Service in July 1948, the Federation appointed to the staff of the Central Office a Regional Adviser for Postgraduate Medical Educn. in each of the four Metropolitan Regions to carry out the policy of the Univ. and the Federation in arranging postgraduate education for the practitioners, both specialist and general, in the Region. They are members of the administrative staff of the Central Office (*see* p. 354.).

PUBLICATIONS. *Annual Report* and *Handbook* ; leaflets of information on postgraduate medical facilities in U.K. ; various Institute *Prospectuses* and *Reports*.

THE YEAR 1951–52

LECTURE SERIES. During autumn and winter terms, the 3rd series of lectures on " The Scientific Basis of Medicine," for res. workers and specialists in trg., given by experts in their subjects from centres throughout the country.

DEATH. Col. H. Walker, Asst. Dir. of Fed.

STUDENT NUMBERS are shown below for each Inst. The majority of postgrads. of the Fed. stay only 1 or 2 terms of the session at an Inst. and very few remain over from one yr. to another. There are no undergrad. students in the Fed. The numbers of full-time students given below for each Inst. are those who have attended full-time for 1 term or more of the yr. Pt.-time includes those who have attended for less than 1 term, whether full-time or pt.-time, and those who have attended pt.-time for any period of the yr., including occasional lectures, etc. Most of the pt.-time students spend the rest of their time at other hosps. in London, or in reading for examns.

Students (full-time) from other countries, 424. (Countries from which largest numbers came : India, 66 ; Australia, 65 ; S. Africa, 55 ; New Zealand, 32 ; Egypt, 28 ; Canada, 24.)

## INSTITUTES OF THE FEDERATION

(*a*) POSTGRADUATE MEDICAL SCHOOL OF LONDON (Ducane Road, Shepherd's Bush, London, W.12. *Telegraphic Address* : Postgradmed Chisk, London. *Telephone* : Shepherd's Bush 1260.) *Dean*—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 : £25 per term. Facilities for research work provided under direction of Professors for suitable students. Course for

Dipl. in Clin. Pathol. commences annually in Oct. and the Dept. of Radiol. of the hospl. provides courses for Diplomas in Medical Radiol. of the Conjoint Board. There is a pathol. museum and a modern and well-equipped reference library for use of the students.

THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Eli Lilly Res. Labs.: $3600 p.a. for 3 yrs. for Radio-isotope res. and grants from commercial and other interests.

NEW BUILDINGS. Conversion of old canteen into Reading Room and erection of Students' Common Room.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. E. G. L. Bywaters, U.S.A.; Prof. J. McMichael, Cardiological Congress in Paris; P. W. Ingram and H. D. Johnson, U.S.A.; Prof. J. H. Dible, Liège; Prof. E. J. King, U.S.A.

RESIGNATIONS. Dr. J. W. Crofton, apptd. to Chair of Tuberculosis and Chest Diseases, Edin. U.; Dr. G. McG. Bull, apptd. to Chair of Med., Belf. U.

DEATH. Prof. G. Grey Turner, Emer. Prof. of Surg.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 112 | 321 | 433 |

(*b*) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, London, S.E.5. *Telephone*: Rodney 2634). *Dean*—D. L. Davies, M.A., D.M., B.Ch. Oxon, D.P.M.

Associated with the Maudsley Hospital, Denmark Hill, and the Bethlem Royal Hospital. Admitted as a School of the Univ. in May 1924, and approved for recognition as a Federated Institute of the Federation in March 1948.

Psychiatric training, based on responsible hospital duties under supervision given throughout yr., suitable for doctors studying for Academic Postgraduate Diploma in Psychol. Med., and comprising clin. instruction supplemented by lecture and demonstration courses in each term. Fees: full course, £21 for 1 term, £52 : 10s. for 1 yr.; lecture courses, £12 : 12s. for 1 term, £31 : 10s. for 1 yr. Hosp. jr. staff appts. also available. There are a few vacancies in special six-monthly courses in child psychiatry (fee, £26 : 5s.). Honours graduates in psychol. are accepted for a yr.'s course in abnormal psychol. for Postgraduate Dipl. in Psychol. (fee, £29 : 8s.). Other courses include electroencephalography (in conjunction with the Inst. of Neurol.) and psychiatric social work (in conjunction with London School of Econ.). The neuropathol., biochem., psychol., electrophysical and exper. neuro-endocrinol. labs. offer facilities for res. and study for higher degrees. Library takes relevant current periodicals, in various langs.

THE YEAR 1951–52

BENEFACTIONS AND NEW DEPARTMENT. Dept. of Exper. Neuro-Endocrinol. endowed by Bd. of Governors of Bethlem R. Hosp. and Maudsley Hosp. Grant by U.S. Navy Dept. to support res. into relationship between personality and perception.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. E. T. O. Slater, Lisbon and Madrid; Prof. A. Lewis, Sheff.; Dr. H. McIlwain, Chic. and Tennessee; Dr. D. Hill, Brussels (UNO International Seminar).

STUDENT NUMBERS. (*See also* "Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 72 | 170 | 242 |

(*c*) INSTITUTE OF LARYNGOLOGY AND OTOLOGY (Royal National Throat, Nose and Ear Hospital, Gray's Inn Road, London, W.C.1. *Telephone*: Terminus 4311). *Dean*—C. Gill-Carey, F.R.C.S.

The Institute is associated with the Royal National Throat, Nose and Ear Hospital in Gray's Inn Road, London, W.C.1, and Golden Square, London, W.1, and was founded in 1945 for the training of specialists and the prosecution of research in oto-rhino-laryngology. It was approved for recognition as a Federated Institute of the Federation in Jan. 1949. In addition to the daily clinical teaching which goes on throughout the year, the theoretical aspects of the specialty and of the basic sciences on which it is founded are covered by a comprehensive course of lectures and demonstrations lasting 8 mos. and held twice annually, commencing Feb. and Sept. Composite fee, including enrolment as clinical assistant, attendance on hospital practice and at one of the comprehensive courses, varies from £52 : 10s. for 8 mos. to £66 : 8s. for a year. An advanced revision course lasting 10–12 weeks is held twice yearly, commencing Feb. and Sept. Fee, £21. A week's intensive course in Endoscopy for sr. students is also held in April and Oct. each yr. Fee, £10 : 10s. The Institute is housed partly inside the hospl. and partly in adjoining accomm. adapted for the purpose. There are a museum, library and students' common rooms. Research labs. are available.

THE YEAR 1951–52

NEW BUILDING. Histological Demonstration room.

NEW POSTS. Lectr. in Neurol.; Sr. Lectr. in Clin. Pathol.

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Prof. F. C. Ormerod, Zagreb, Belgrade, Milan and Helsinki.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 30 | 84 | 114 |

(*d*) INSTITUTE OF OPHTHALMOLOGY (Judd Street, London, W.C.1. *Telephone*: Euston 2543). *Dean*—R. C. Davenport, M.B., B.S., F.R.C.S.

The Institute is associated with the Moorfields, Westminster and Central Eye Hospital and has developed from the Med. School of the Royal London Ophthalmic (Moorfields) Hospital, where clin. teaching and research have been

carried on since its establishment in 1810. It was approved as a Federated Institute of the Federation from Oct. 1948. In addition to teaching by means of hospl. practice, a routine lecture and tutorial course lasting 9 months (divided into two terms) is held twice a year, commencing in March and Oct. Part I consists of anat., embryol., histol., physiol., optics and elementary clin. instructn. Part II comprises bacteriol., pathol., operative surgery, medical ophthalmol. and all aspects of ophthalmic disease. Fee for each term, £26 : 5s. Part-time revision courses in the Basic sciences, and clin. teaching and lectures are given at a higher level for advanced students. 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 1951–52

SUBSTANTIAL BENEFACTION. Bd. of Governors of Moorfields, Westminster and Central Eye Hosp., £5000 p.a. for 5 yrs. for Ophthalmological Research.

NEW POST. Readership in Pathol.

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. K. Lyle, Tor. and other Canadian Univs.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 43 | 98 | 141 |

(*e*) INSTITUTE OF CHILD HEALTH (Hospital for Sick Children, Great Ormond Street, London, W.C.1. *Telephone* : Holborn 2196). *Dean*—G. H. Newns, M.D., B.S., F.R.C.P.

Founded 1945, and associated with the Hospital for Sick Children, Queen Elizabeth Hospital for Children and Postgraduate Medical School at Hammersmith Hospital. Approved for recognition as Federated Inst. of the Federation from Oct. 1951. Main objects are (*a*) to promote the study of all aspects of disease and its prevention in childhood ; (*b*) to provide instruction in clin. pædiatrics and prevention of disease in childhood and in the basic med., surg. and pathol. of children.

Tuition provided daily from 10 A.M. to 4 P.M. in 3 terms of 12 weeks each. Fees : 3 months, £21 ; 6 months, £36 : 15s. Courses of weekly lectures on special subjects are given during Autumn and Winter terms. Fee : £2 : 2s. for course of 10 lectures. Students' common room and library provided.

THE YEAR 1951–52

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. G. H. Newns, Leiden and Paris.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 64 | 150 | 214 |

(*f*) INSTITUTE OF OBSTETRICS AND GYNÆCOLOGY (The Chelsea Hospital for Women, Dovehouse Street, London S.W.3. *Telephone*: Flaxman 9509). *Director and Dean*—Charles D. Read, M.B., Ch.B. N.Z., F.R.C.S. Eng. and Ed., F.R.A.C.S., F.R.C.O.G.

The Institute is associated with Queen Charlotte's Maternity Hospital, the Chelsea Hospital for Women and the Dept. of Obstetrics and Gynæcol. at the Postgraduate Medical School (*q.v.*). It was formed in 1948, and was approved for recognition as a Federated Institute of the Federation from Oct. 1949. It has 241 beds for Obstetrics and 172 for Gynæcol. Training is mainly by means of courses of instrucn., which include lectures and demonstrations held during 2 long terms only, commencing in Sept. and March; each term is of 12 weeks' duration. Fees, £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. Resident house appts. and registrarships are advertised and filled by open competition. They afford increasing responsibility for the care of patients and opportunities for original investigation, under supervision. Research and museum facilities.

THE YEAR 1951–52

NEW BUILDINGS. 2 huts completed at Queen Charlotte's Hosp. to house a small hostel and lecture room for Inst.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 164 | 108 | 272 |

(*g*) INSTITUTE OF NEUROLOGY (National Hospital, Queen Square, London, W.C.1. *Telephone*: Terminus 7721). *Dean*—Macdonald Critchley, M.D. Brist., F.R.C.P.

The Inst. is a continuation of the Med. Sch. associated with the National Hosp., Queen Square, where postgrad. clin. teaching and res. have been carried on for past 90 yrs.; also associated with the Hosp. for Nervous Diseases, Maida Vale. At the National Hosp., clin. teaching continues throughout the yr. in wards and Outpatient Clinics. Clin. demonstrations held twice a week. Two 10-week courses in neurol. held annually, commencing in Oct. and Jan., and including instruction in anat. and physiol. of nervous system, methods of examn., neuropathol. and psychol. med. as well as clin. neurol. Fee: £21. 7-week course in neurol. and neuro-surg. held once p.a., commencing in May. Fee: £21. Res. facilities available for advanced students. At Maida Vale Hosp., clin. teaching continues throughout the yr., composed of ward rounds, attendance at Outpatient Clinics, tutorials, and demonstrations in neuropathol., neuro-radiol., and electro-physiol. Facilities available for pt.-time students studying for special dipls. In conjunction with Inst. of Psychiatry, the Inst. holds full-time courses in Jan., April and Oct., in electro-encephalography. Fee: £10 : 10s.

THE YEAR 1951–52

NEW DEPARTMENT. Dept. of Med. Photography instituted with whole-time Med. Dir.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. M. Critchley the Dean), Yale, Mich., Calif. and Indiana; T. K. Lyle, U.S.A. and Canada; Dr. E. Slater, Lisbon and Madrid.

STUDENT NUMBERS. (*See also* " Student Numbers, " p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 268 | 99 | 367 |

(*h*) INSTITUTE OF ORTHOPÆDICS (Royal National Orthopædic Hospital, Great Portland Street, London, W.1. *Telephone*: Euston 6003). *Dean*—H. Jackson Burrows, M.A., M.D., B.Chir. Camb., F.R.C.S., F.R.A.C.S.

The Institute was formed in 1946, and is associated with the Royal National Orthopædic Hospital. Approved for recognition as a Federated Institute of the Federation from Jan. 1951. The practice of the town section and the country section at Stanmore is open to postgraduate students. In addition to hospl. practice, about five short advanced courses of a week to a fortnight are held annually. Fee, £7 : 7s. to £10 : 10s. Twice a year, in April and Sept., a short revision course in Adv. Clin. Orthopædics of a week's duration is held. Fee, £7 : 7s. Students should have previous surgical training and experience. Intensive education and training is provided for holders of junior hospl. posts, over a period up to 2 years, and selected postgraduates may go on to the Institute research appointments. Library facilities.

THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. I.C.I. Ltd., £250, 3rd instalment of a total grant of £750; R. Nat. Orthopædic Hosp., £500, 2nd instalment of a total grant of £1500; Mr. and Mrs. Dutton-Forshaw, donation of £1000.

NEW BUILDING. First stage (biochemical) of a res. unit started at country section in May 1951.

NEW POST. Asst. Clin. Pathologist.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. H. Jackson Burrows, Liv.; K. I. Nissen, Liv. and Ghent; Dr. H. A. Sissons, Res. Fellowship to Northwestern.

OTHER DEVELOPMENT. Metabolism unit started Oct. 1951.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 79 | 39 | 118 |

(*i*) INSTITUTE OF DENTAL SURGERY (Eastman Dental Hospital, Gray's Inn Road, London, W.C.2. *Telephone*: Terminus 8426). *Dean and Director of Studies*—F. C. Wilkinson, M.D., B.D.S. Liv., D.D.Sc. Melb., M.Sc. Manc., F.D.S.R.C.S.

The Inst. is associated with the Eastman Dental Hosp.; formed in 1948, and approved for recognition as a Federated Inst. of the Federation from Oct. 1951. In addition to training by means of full- and pt.-time appts. in the Inst.

there are courses in Orthodontics (full- and pt.-time, up to 1 yr.) and in periodontia, conservative dent., prosthetics, minor oral surg. and children's dent. (variable length, full- and pt.-time). Full-time refresher courses of 2 weeks' duration arranged twice yearly for general practitioners. Courses also held in conjunction with Fac. of Dent. Surg. of Royal Coll. of Surgeons, particularly intended for candidates preparing for final examination for F.D.S.R.C.S. These commence in June and December (for approx. 6 months): fee, £50; in Apr. and Oct. there are 8-week intensive courses: fee, £31 : 10s. Res. and library facilities.

THE YEAR 1951–52

STUDENT NUMBERS. (*See also* "Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 186 | 70 | 256 |

(*j*) INSTITUTE OF CANCER RESEARCH (Royal Cancer Hospital and Chester Beatty Research Institute, Fulham Road, London, S.W.3. *Telephone*: Flaxman 0081 and 1484). *Acting Dean*—Prof. Alexander Haddow, M.D., D.Sc., Ph.D. Edin.

The Inst., approved for recognition as a Federated Inst. of the Federation in 1951, comprises Chester Beatty Res. Inst. and Depts. of Phys. and Radiotherapy at the Royal Cancer Hosp. It is concerned with all aspects of res. into causation and treatment of cancer, with training of res. workers in this field, and with advanced teaching in biophys. and radiotherapy. Postgrad. lectures and courses of instruction held in biophysics for students studying for M.Sc. in biophys. and for students studying for a Dipl. in Med. Radiotherapy. Facilities for those wishing to pursue res. in the clin. and pathol. aspects of cancer. Facilities also for res. into phys. and biol. foundations of med. radiol. There are labs. for chem., biochem. and histol. investigations into cancer and allied diseases, and a library.

(*k*) INSTITUTE OF DISEASES OF THE CHEST (Brompton Hospital, London, S.W.3. *Telephone*: Flaxman 3707). *Director of Studies and Dean*—J. G. Scadding, M.D., F.R.C.P.

The Institute, which was formed in 1946, is associated with the Hospitals for Diseases of the Chest (Brompton Hospital and the London Chest Hospital). 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. Facilities for part-time attendance are available for a larger number of graduates. 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. Part-time instruction in radiology of the chest for trainee radiologists only is given each term. The scale of fees is at present under revision. Library, museum and research facilities.

THE YEAR 1951–52

NEW POST. Sr. Lectr. in Bacteriol.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 132 | 106 | 238 |

(*l*) INSTITUTE OF CARDIOLOGY (35 Wimpole Street, London, 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. Training includes clin. cardiol., electrocardiography and radiol. of the heart. The courses begin in Jan., May 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 indicated 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 1951–52

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. Sheila Howarth, U.S.A.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 135 | 50 | 185 |

(*m*) INSTITUTE OF DERMATOLOGY (St. John's Hospital for Diseases of the Skin, Lisle Street, London, W.C.2. *Telephone*: Gerrard 7072). *Dean*—J. E. M. Wigley, M.B., B.S., F.R.C.P.

Inst. formed 1946, and is associated with St. John's Hospital for Diseases of the Skin. Clin. teaching takes place in out-patient dept. 5 days a week throughout the yr. (fee varying from £2 : 2s. for 1 week to £25 for 1 yr.), and ward instruction in newly formed in-patient dept. Short course of lectures and pathological demonstrations given in the summer, and longer course in the winter, including series of clin. demonstrations designed for postgrad. students studying for higher degrees or dipls. Facilities for tuition in practical pathol. and in mycol. Advanced students can apply for clin. assistantships, obtainable by competition. Library and museum facilities.

THE YEAR 1951–52

NEW BUILDING. Opening of In-patient wing at Eastern Hosp., Hackney.

STUDENT NUMBERS. (*See also* " Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 163 | 18 | 181 |

(*n*) INSTITUTE OF UROLOGY (St. Peter's, St. Paul's and St. Philip's Hospitals, Henrietta Street, London, W.C.2. *Telephone*: Temple Bar 9347). *Director of Studies*—J. D. Fergusson, M.D., F.R.C.S. *Dean*—A. R. C. Higham, T.D., M.B., B.S., F.R.C.S.

Inst. formed in 1946 and is associated with St. Peter's, St. Paul's and St. Philip's Hospitals. Comprehensive instruction given in wards, out-patient depts., operating theatres, labs., etc. throughout the yr. Courses of intensive lectures and demonstrations, at week-ends, held as follows: twice p.a. before F.R.C.S. examination; once p.a. in early summer, for students of advanced urol.; once p.a. in early spring, on some selected subject. Fee for each course, £5 : 5s. 2 courses of lectures and demonstrations of clin. and lab. material held each yr. in co-operation with members of the Medical Society for study of venereal diseases; each course lasts 2 months. Fee for each course, £12 : 12s. In winter months a series of lecture discussions on urol. subjects of interest to whole profession held on Wed. evenings at 5 P.M. No fee. Limited numbers of clin. assts. apptd. to individual surgeons for personal tuition from time to time. Library and Reading Room.

THE YEAR 1951–52

NEW POSTS. Pt.-time Dir. of Studies; pt.-time Dean.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. A. C. Morson, Tor.; J. D. Fergusson, Chic.

STUDENT NUMBERS. (*See also* "Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 37 | 12 | 49 |

(*o*) INSTITUTE OF BASIC MEDICAL SCIENCES (Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2. *Telephone*: Holborn 3474). *Dean*—Prof. G. Hadfield, M.D., F.R.C.P.

The Inst., formed in 1951, comprises the teaching facilities of the Depts. of Anat., Physiol. and Pathol. of the Royal Coll. of Surgeons of England. It co-operates with other specialist Insts. of the Federation to provide facilities for practical work and instruction in basic medical scis., and there are opportunities for res. for selected graduates. Library, museum and limited residential accomm. available. Regular 3-months revision courses commence in Apr. and Oct. suitable for candidates for higher medical degrees and dipls.; fee, £63. 2-months revision course for dental surgeons held twice p.a.; fee, £26 : 5s.

THE YEAR 1951–52

STUDENT NUMBERS. (*See also* "Student Numbers," p. 355.)

| *Part-Time* | *Full-Time* | *Total* |
|---|---|---|
| 57 | 268 | 325 |

[*Information compiled as at* 19/5/53 ; *Staff list revised on* 24/9/53.]

# LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

(INCORPORATING THE ROSS INSTITUTE)

Founded 1924

*Postal Address*: Keppel Street (Gower Street), London, W.C.1, England.
*Telegrams*: Hygower, Westcent, London.
*Telephone*: Museum 3041.

CHAIRMAN OF THE COURT OF GOVERNORS—Sir COSMO PARKINSON, G.C.M.G., K.C.B., O.B.E.

CHAIRMAN OF THE BOARD OF MANAGEMENT—Sir ARCHIBALD GRAY, C.B.E., M.D., F.R.C.P., F.R.C.S.

DEAN—ANDREW TOPPING, 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, LL.B.

## APPOINTED AND RECOGNIZED TEACHERS

*Applied Physiology*

Crowden, G. P., O.B.E., T.D., D.Sc. Prof.
Angus, T. C., D.F.C., D.Sc. Sr. Lectr.

*Bacteriology and Immunology*

Spooner, E. T. C., M.A., M.D. Camb. Prof.
Cruickshank, J. C., M.D. Edin., Dip.Bact. Prof.
Fulton, F., D.M. Oxon. Reader.
Stocker, B. A. D., M.D. Sr. Lectr.

*Biochemistry*

Raistrick, H., B.A., Sc.D. Camb., D.Sc. Leeds, F.R.I.C., F.R.S. Prof.
Birkinshaw, J. H., D.Sc. Leeds, F.R.I.C. Reader.

*Clinical Tropical Medicine*

Woodruff, A. W., M.D. Durh., Ph.D. Wellcome Prof.
..... Sr. Lectr.

*Entomology*

Buxton, P. A., C.M.G., M.A. Camb., D.T.M. & H. Camb., F.R.S. Prof.
Bertram, D. S., Ph.D. Glas. Reader.
Busvine, J. R., Ph.D., D.Sc. Lectr.

*Human Nutrition*

Platt, B. S., C.M.G., M.Sc., M.B., Ch.B., Ph.D. Leeds Prof.

*Medical Statistics*

Hill, A. Bradford, C.B.E , Ph.D., D.Sc. Prof.
Reid, D.D., M.D. Aberd., Ph.D. Reader.

Part-time Lecturers

Martin, W. J., Ph.D., D.Sc.
Irwin, J. O., M.A., Sc.D. Camb., D.Sc.
Fraser Roberts, J. A., M.A. Camb., M.D., D.Sc. Edin. (Med. Genetics).

*Parasitology and Helminthology*
Garnham, P. C. C., M.D., D.Sc., D.P.H. Prof.
Buckley, J. J. C., D.Sc. Dub. Prof.

*Public Health*
Mackintosh, J. M., M.A., M.D., LL.D. Glas., F.R.C.P. Prof.
Brotherston, J. H. F., M.D. Edin. Reader.
Maule, H. G., M.A. Camb., Ph.D. Lectr.

*Tropical Hygiene, Ross Institute of*
Macdonald, G., C.M.G., M.D. Liv., D.T.M. Liv., D.P.H. Prof.
Tredre, R. F., M.D., B.Hy., D.P.H. Durh. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Librarian: C. C. Barnard, B.A., F.L.A. Registrar: Miss E. M. Campbell, M.A. Accountant: A. J. Holland. Personal Asst. to Dean: Miss K. M. Shaw, M.B.E.

## GENERAL INFORMATION

HISTORY. The School represents the union of the Lond. Sch. of Trop. Med., which had operated since 1899, with the Univ. teaching depts. for the Dipl. in Pub. Health. In 1934 the Ross Inst. of Trop. Hyg. (founded 1926) was incorporated with the Sch. The Sch. was built and equipped with $2,000,000 provided by the Rockefeller Foundation on the understanding that the British Govt. would make adequate grants for staffing and maintenance. Charter of Incorporation secured in 1924 and supplemental charters in 1931, 1934 and 1947. By the original charter the School was recognized in the Facs. of Sci. and Med. in so far as the branches of Pub. Health, Hyg., State Med. and Tropical Med. were concerned.

INCOME (1951–52). Total income, £170,779 (interest on investments and bank deposits, 5·8 per cent.; donations and subscriptions, 1·7 per cent.; Univ. Court grant, 85·3 per cent.; students' fees, 5 per cent.; contributions for services rendered, 1·4 per cent.; other sources, 0·8 per cent.).

DEPARTMENTS. 10 main depts. are Appld. Physiol., Bacteriol. and Immunol., Biochem., Clin. Trop. Med., Entomol., Human Nutrition, Med. Stats. and Epidemiol., Parasitol. and Helminthol., Pub. Health, and Ross Inst. of Trop. Hyg. There are also a Sub-Dept. of Med. Mycol., Sub-Unit of Occupational Health, Library and, at Winches Farm, St. Albans, a field res. and animal breeding station. Dept. of Clin. Trop. Med. works in close association with Hosp. for Tropical Diseases, 4 St. Pancras Way, N.W.1.

LIBRARY. 34,000 bound vols. and 35,000 unbound pamphlets; 330 books of 17th-18th centuries on trop. diseases and hyg., and special Reece Collection of 280 vols. on smallpox and vaccination; series of annual med. and sanitary reports from various countries in the Commonwealth.

LOCATION. All courses are given at premises in Keppel St. which have excellent labs., res. and class-rooms and lecture-theatre.

COURSES. *Certif. and Dipl. in Pub. Health* (*Lond.*) course, primarily for qualified practitioners who intend to enter public health service in Britain, commences about the beginning of Oct. and lasts 9 months; examn. for Certif. held at end of 3 months. Fee: 70 gs. for whole course; 25 gs. for Part I only.

*Diploma in Bacteriol.* (*Lond.*) course providing advanced instruction to graduates in med. and vet. sci. commences about the beginning of Oct. and

lasts 9 months. Applications to be received not later than preceding March ; no. of places strictly limited. Fee : 70 gs.

*Dipl. in Trop. Med. and Hyg.* (*England*) course, designed for Conjoint Board's D.T.M. & H., is continuous course of 5 months, open to qualified med. practitioners, held twice p.a., commencing about the beginning of Oct. and the beginning of March. Fee : 40 gs.

*Certif. and Dipl. in Trop. Med. and Hyg.* (*Lond.*) course begins about the beginning of Oct. Both prelim. and final courses extend over not less than 4 months. Candidates admitted to prelim. certif. course and exam. at any time after graduation. Candidates for final Dipl. course, who must have had 12 months' experience of med. practice in a tropical country, required to specialize in one of 3 elective subjects. Fee : 70 gs. for whole course ; 40 gs. for Part I only.

*Short Courses in Principles of Med. Stats., Epidemiol. and Statistical Methods.* Courses in stat. methods and their application to med. and in med. stats. and epidemiol. commence in March, lasting approx. 4 months. Lectures and practical demonstrations twice weekly ; courses so arranged that they can be taken in conjunction. Persons without medical qualification eligible to apply for admission. Fee for each course : 10 gns. ; for combined course : 17 gns.

*Course in Malaria Control for Laymen*, without fee to non-medical men and women proceeding to tropics, held once p.a. and lasts about 5 days.

RESEARCH DEGREES. Facilities for research for M.Sc. and Ph.D. Lab. fee, £22 : 1s. p.a.

A SCHOOL ASSOCIATION of old students has been formed. Members regularly receive Annual Report.

STUDENT HEALTH SERVICE. The School's students may join the University Coll. Student Health Assoc. Benefits include clin. consultations, routine prophylactic overhauls and emergency treatment of accidents.

THE BUREAU OF HYGIENE AND TROPICAL DISEASES, governed by a Committee apptd. by the Sec. of State for the Colonies, is housed in Sch. premises and publishes the *Bulletin of Hygiene*, *The Tropical Diseases Bulletin* and a series of *Review Monographs*.

PUBLICATIONS. *Memoir Series* ; *Journal of Helminthology* ; *Annual Report* ; annual *Syllabus of Courses* ; *School Handbook*.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Trustees of late W. Dunn, further sum of £785 for res. work in trop. diseases ; donations to Ross Inst., £9824.

NEW BUILDING. New lab. made for students taking Academic Postgrad. Dipl. in trop. med. and hyg.

ADULT EDUCATION WORK. 117 people attended 5 days' course on Malaria Control for Laymen, organized by Dept. of Trop. Hyg. (Ross Inst.) ; 87 people attended week-end course for doctors and nurses engaged in Indust. Health, organized by the Sch. in co-operation with the Association of Indust. Med. Officers.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. T. K. Cureton, Ill., " Some Aspects of Cardio-Vascular Conditions related to Physical Fitness Research."

RETIREMENT. Prof. H. E. Shortt (Med. Proto-zool.).

RESIGNATION. Dr. D. A. Smith (Human Nutrition), apptd. Prof. of Physiol., Khartoum U.C.

DEATH. Prof. F. Murgatroyd (Clin. Trop. Med.).

OTHER DEVELOPMENTS. Colonial Office Applied Nutrition Unit set up, administered by Sch. as pt. of Dept. of Human Nutrition, cost of Unit's maintenance from Jan. 1952 to March 1956 being met by grant from Colonial Development and Welfare Fund. Unit's chief object is collection, study and dissemination to colonial govts. of technical information on nutrition and food technol.

An area for public health practice experiments establd. in S.W. Hertfordshire. Studies there, financed by Rockefeller Foundation, include sociological investigations in Oxhey Housing Estate and enquiries into care of aged, congenital malformations and health problems of adolescents.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 44 | 201 |
| Women | 12 | 39 |
| Total | 56 | 240 |

Postgraduate students, 296.

New admissions, 282.

Students (full-time) from other countries, 73. (Countries from which largest numbers came : India, 21 ; Egypt, 11 ; Ceylon, 5 ; U.S.A., 4.)

DEGREES AWARDED. M.D. (Hygiene), 9 ; M.D. (Trop. Med.), 3 ; M.D. (Pathol.), 1 ; M.D. (Med.), 1 ; D.Sc., 1 ; Ph.D. in Fac. of Med. (Non-clin.), 1 ; Ph.D. in Fac. of Sci., 6.

DIPLOMAS AND CERTIFICATES AWARDED. C.P.H., 57 ; D.P.H., 52 ; Dip. Bact., 15 ; D.T.M. & H. (Eng.), 77 ; D.T.M. & H. (Lond.), 5.

[*Information compiled as at* 15/5/53 ; *Staff list revised on* 24/9/53.]

# LISTER INSTITUTE OF PREVENTIVE MEDICINE *

Founded 1891

*Postal Address* : Chelsea Bridge Road, London, S.W.1, England.
*Telegraphic Address* : Bacteriology, Knights, London.
*Telephone* : Sloane 2181.

CHAIRMAN OF GOVERNING BODY—Sir HENRY H. DALE, O.M., G.B.E., M.D., F.R.C.P., F.R.S.

DIRECTOR—Professor A. A. MILES, C.B.E., M.A., M.D. Camb , F.R.C.P.

SECRETARY—S. A. WHITE.

## APPOINTED AND RECOGNIZED TEACHERS

Baddiley, J., M.Sc., Ph.D. (Chem.).

Dolby, D. E., Ph.D. (Biochem.).

Kekwick, R. A., D.Sc. (Biochem./ Biophysics).

Macfarlane, Marjorie G., D.Sc., Ph.D. (Biochem.).

Maycock, W. d'A., M.D. McG. (Pathol.).

McClean, D., M.B., B.S. (Bacteriol.).

Miles, A. A., C.B.E., M.A., M.D. Camb., F. R. C. P. (Prof. of Exper. Pathol.).

Morgan, W. T. J., D.Sc., Ph.D., F.R.I.C., F.R.S. (Prof. in Biochem.).

Standfast, A. F. B., M.A., Dip. Bact. (Bacteriol.).

## GENERAL INFORMATION

Founded in 1891 for research into causation, prevention and treatment of diseases of men and animals. Limited accomm. available for approved research by students of both sexes, usually without fees. Research studentships advertised as vacancies occur. Library, primarily for the use of Institute workers, is well-equipped.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 13 |
| Women | 1 | 5 |
| Total | 1 | 18 |

All the above are postgraduate students.
New admissions, 5.

DEGREE. M.Sc., 1.

* Not in receipt of U.G.C. grants.

[*Information compiled as at May*, 1953; *Staff list revised on* 24/9/53.]

# *INSTITUTIONS WITH RECOGNIZED TEACHERS* *

[(*a*) Principal. (*b*) Subjects in which recognized. (*c*) Number of Internal students (session 1951–52).†]

1. UNIVERSITY OF LONDON: GOLDSMITHS' COLLEGE, New Cross, London, S.E.14. (*Telephone:* Tideway 2814 and 2266.) Incorporated in the Univ. *Warden, and Principal of the Training Depts.*—D. R. Chesterman, Ph.D. *Vice-Principals of Training Dept.*—Effie M. McClelland, M.A., Ph.D., and E. A. Wheeler, O.B.E., M.Sc. (*c*) 85.

*Training Department.* Recognized by Ministry of Educn. as a Training Coll. Ordinary course—2 yrs., or for B.A. (General) or B.Sc. (General) degree—4 yrs. Lectrs.—40. Hostels provide accommodation for nearly all the women and some of the men students. For recognized Teachers v. *infra* (Classics, Educn., Engl., Geog., Music).

*School of Art* (Day and Evening). Headmaster and 38 Assts. *Fees*: Day, £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., London, S.W.11. (*Telephone*: Macaulay 1031.) (*a*) R. W. West, D.Sc., F.R.I.C. (*b*) Chem., Engin. (Civ., Elec., Mech. and Chem.), Maths., Metallurgy, Music, Physics. (*c*) 807.

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*) 876.

4. COLLEGE OF ESTATE MANAGEMENT, St. Alban's Grove, London, W.8. (*Telephone*: Western 1546.) (*a*) S. J. Worsley, D.S.O., M.C., M.A. (*b*) Subjects for the Degree in Estate Management. (*c*) 130.

5. EAST MALLING RESEARCH STATION, East Malling, Kent. (*Telephone*: West Malling 3033.) *Director*—F. R. Tubbs, Ph.D., M.Sc., F.L.S. (*b*) Appl. Bot., Pomol., Statistics, Plant Physiol., Chem. (in relation to fruit-growing), Plant Pathol., Entomol. For postgraduate research students only. (*c*) 14.

6. JEWS' COLLEGE, Woburn House, Tavistock Sq., London, W.C.1. (*Telephone*: Euston 3737.) (*a*) Rabbi I. Epstein, D.Lit., Ph.D. (*b*) Hebrew, Semitics. (*c*) 24.

7. JOHN INNES HORTICULTURAL INSTITUTION, Bayfordbury, Hertford. (*Telephone*: Hertford 3191.) *Director*—..... (*b*) Genetics and Cytology. (*c*) 9 (research only).

* Not in receipt of U.G.C. grants.

† Only the totals of those students pursuing internal degree or diploma courses of the University of London are given. The Institutions also provide other courses.

8. MARIA GREY TRAINING COLLEGE, 11 The Avenue, Brondesbury, London, N.W.6; 300 St. Margaret's Rd., Twickenham. (*Telephone*: Willesden 4121 and Popesgrove 2660.) (*a*) Mildred Cant, B.A. (*b*) Educn. (*c*) 27.

9. NATIONAL INSTITUTE FOR MEDICAL RESEARCH, The Ridgeway, Mill Hill, London, 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*) 17.

10. NORTHAMPTON POLYTECHNIC, St. John St., London, E.C.1. (*Telephone*: Clerkenwell 1662 and 5231.) (*a*) J. E. Richardson, Ph.D., B.Eng. (*b*) Engin. (Civil, Mech., Elec.), Maths., Metallurgy. (*c*) 799.

11. NORTHERN POLYTECHNIC, Holloway Rd., London, N.7. (*Telephone*: North 1686.) (*a*) T. J. Drakeley, C.B.E., D.Sc., Ph.D., F.R.I.C. (*b*) Bot., Chem., Geol., Zool., Maths., Physics. (*c*) 673.

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*) 56.

13. ROYAL ACADEMY OF MUSIC, Marylebone Rd., London, N.W.1. (*Telephone*: Welbeck 5461.) (*a*) Sir Reginald Thatcher, O.B.E., M.C., M.A., D.Mus., F.R.C.M., F.R.C.O. (*b*) All branches of Music, theoretical and practical (*c*) 15.

14. ROYAL COLLEGE OF MUSIC, Prince Consort Rd., S. Kensington, London, S.W.7. (*Telephone*: Kensington 3643.) *Director*—Sir Ernest Bullock, C.V.O., Mus.D. Durh., F.R.C.M., F.R.C.O. (*b*) All Music subjects. (*c*) 15.

15. SIR JOHN CASS COLLEGE, Jewry St., Aldgate, London, E.C.3. (*Telephone*: Royal 3383.) (*a*) A. M. Ward, D.Sc., Ph.D., F.R.I.C. (*b*) Bot., Chem., Maths., Metallurgy, Physics. (*c*) 513.

16. TRINITY COLLEGE OF MUSIC, Mandeville Place, London, W.1. (*Telephone*: Welbeck 5773.) (*a*) W. Greenhouse Allt, Mus.D. (*b*) All subjects for the Musical and Arts (Music) degrees of London and other Univs. (*c*) 37.

17. WEST HAM COLLEGE OF TECHNOLOGY, Romford Rd., Stratford, London, E.15. (*Telephone*: Maryland 4186.) (*a*) E. A. Rudge, M.Sc., Ph.D. (*b*) Chem., Engin. (Chem., Civil, Elec., Mech.), Maths., Physics. (*c*) 283.

18. WOOLWICH POLYTECHNIC, Thomas St., Woolwich, London, S.E.18. (*Telephone*: Woolwich 2856.) (*a*) J. S. Tait, Ph.D. (*b*) Engin. (Elec. and Mech.), Maths., Phys., Chem. (*c*) 563.

## RECOGNIZED TEACHERS *

*Bacteriology*

Andrewes, C. H., M.D., F.R.C.P., F.R.S. (9).

*Biochemistry*

Harington, Sir Charles, Ph.D. Edin., M.A., Sc.D. Camb., F.R.S. (9).

* The number in brackets after each name indicates the institution listed on p. 369 or p. 370 to which the teacher is attached.

Pirie, N. W., M.A., F.R.S. (12).
Tattersfield, F., D.Sc. (12).

*Botany*

Berkeley, C. J. A., B.Sc. (3).
Duerden, H., Ph.D. (3).
Mer, C. L., B.Sc., Ph.D., D.I.C. (15).
Muir, A., Ph.D. Edin., B.Sc. (12).
Tubbs, F. R., M.A., M.Sc., Ph.D., D.I.C., F.L.S. (5).
Watson, D. J., Ph.D. Camb. (12).

*Chemistry*

Allen, F. L., M.Sc., Ph.D., F.R.I.C. (17).
Crowther, E. M., D.Sc. Leeds, F.R.I.C. (Soil C.) (12).
Dippy, J. F. J., D.Sc. Wales (3).
Drakeley, T. J., C.B.E., D.Sc., Ph.D., F.R.I.C. (11).
Elton, G. A. H., Ph.D. (2).
Garside, J. E., M.Sc.Tech. Manc., Ph.D. (10).
Gerrard, W., D.Sc., Ph.D., F.R.I.C., F.I.M. (11).
Goss, F. R., D.Sc. (2).
Hebdon, E. A. W., B.Sc. (3).
Houston, A. H. J., M.Sc., Ph.D. (2).
Jeffery, G. H., Ph.D. (18).
King, H. J. S., Ph.D., D.Sc., F.R.I.C. (11).
Leicester, J., Ph.D. (18).
Lidstone, A. G., M.A. Camb., B.Sc. (15).
Lindsey, A. J., M.Sc., Ph.D., F.R.I.C. (15).
McGhie, J. F., B.Sc., Ph.D. (3).
Roach, W. A., D.Sc., D.I.C. (5).
Rudge, E. A., M.Sc., Ph.D. (17).
Salmon, J. E., Ph.D. (2).
Smith, C. G., B.Sc., Ph.D., F.R.I.C. (11).
Vogel, A. I., D.Sc., D.I.C. (18).
Walker, J., D.Sc., Ph.D., D.Phil. Oxon. (9).
Ward, A. M., Ph.D., D.Sc., F.R.I.C. (15).
.....

*Classics*

Handford, S. A., M.A. Oxon. (1).

*Cytology*

.....

*Education*, v. also Music

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*

Tailby, S. R., Ph.D. (2).

*Engin., Civil and Mech.*

Ashworth, M. H., B.Sc. Manc. (18).
Beaufoy, L. A., Ph.D. (4).
Brooks, W. H., Ph.D., B.Sc. (Eng.) (10).
Franklin, H. W., M.A. Camb. (10).
.....
Oakden, J. C., M.A. Camb., M.Sc. Tech. Manc. (10).
Oliver, H. C., B.Sc. (Eng.) (17).
Peck, W. J., M.Sc. (Eng.) Sheff. (2).
Robertson, S. A., B.Sc. (Eng.), B.Com. (2).

*Engineering, Electrical*

d'Ombrain, G. L., Ph.D. (2).
Freeman, G. F., M.Sc. (Eng.) (18).
Mann, H. C., B.Sc. (Eng.) (2).
Tait, J. S., Ph.D. Glas., B.Sc. (Eng.) (18).

*English*

Pettet, E. C., B.Litt. N.U.I., M.A. Camb. (1).

*Entomology*

Massee, A. M., O.B.E., D.Sc. (5).
Potter, C., Ph.D., D.Sc., D.I.C. (12).
Williams, C. B., M.A., Sc.D. Camb. (12).

*Estate Management*

Adkin, B. C., M.A. Camb., B.Sc. (Agric. and Forestry) (4).
Lawrance, D. M., B.Sc. (English Law relating to Land) (4).

*Genetics*

Lewis, D., B.Sc. R'dg., Ph.D. (7).

.....

*Geography*

Cons, G. J., M.A. (1).

*Geology*

Fleet, W. F., M.Sc., Ph.D. (3).
Jones, F., T.D., Ph.D., M.Sc., F.G.S. (11).
Prentice, J. E., Ph.D. (15).

*Horticulture*

Rogers, W. S., M.A. Camb., D.Sc. (5).

*Mathematics*

Church, A. E. R., M.A., D.Sc. (15).
Geary, A., M.A. Camb., M.Sc. (10).
Hayden, H. A., B.Sc. Wales, D.Sc. (2).
Littlejohn, E. S., M.Sc. Manc. (17).
Lowry, H. V., M.A. Camb. (18).
Ludlam, A. E., M.Sc. Birm. (3).
Martin, E. S., B.Sc., Ph.D. (11).
Rosenberg, R. L., Ph.D. Berl. (3).

*Metallurgy*

Derry, L. W., B.Sc. Birm., M.Sc. Tech. Manc. (2).
Garside, J. E., Ph.D., M.Sc.Tech. Manc. (10).
Singlehurst-Ward, L., B.Sc. (Eng.) Birm. (15).

*Music*

Brockless, G. F., Mus.D. Durh., F.R.C.O. (2).
Coates, H. J., M.A. Camb., Ph.D. (16).
Dunwell, W., B.A. Leeds, Mus.B. Durh., F.R.C.O. (16).
Durrant, F. T., B.Mus. Durh., D.Mus. (13).
Howells, H. N., C.B.E., 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. (16).
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. (16).
Sowerbutts, J. A., B.Mus., F.R.C.O. (13).
Thiman, E. H., D.Mus. (13).
Webber, W. S. L., D.Mus., F.R.C.O. (14).

*Pedagogy*, v. Education

*Pharmacy and Pharmacognosy*

Morton, C., B.Sc. Lond. (3).

*Physics*

Bate, A E., Ph.D., M.Sc., F.I.P. (17).
Freeman, L. J., B.Sc., Ph.D., D.I.C. (3).
George, W. H., M.Sc., Ph.D. (3).
Heath, H. R., Ph.D. Birm. (2).
Humphry, R. H., M.Sc. Birm., F.I.P. (15).
Marsh, S., D.Sc. Wales, Ph.D. Gött. (2).
Pillow, Marjorie E., B.Sc. (11).
Schofield, R. K., M.A., Ph.D. Camb., F.I.P. (12).
Smith, D. H., Ph.D. (18).
Symons, A. S. M., B.Sc., Ph.D., D.I.C. (11).

*Physiology and Pharmacology*

Edholm, O. G., M.B., B.S., B.Sc. (9).
Feldberg, W. S., M.A. Camb., M.D. Berl., F.R.S. (9).
Lockett, Mary F., Ph.D. Camb., M.D. (3).

*Plant Pathology*

Bawden, F. C., M.A. Camb., F.R.S. (12).
Harris, R. V., D.Sc. (5).

*Plant Physiology*

Vyvyan, M. C., M.A. Camb., D.Sc. (5).

*Semitic Languages*

Epstein, I., D.Lit., Ph.D. (6).
Wieder, N., D.Phil. Wurzburg (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).
Hentschel, C. C., M.Sc. (3).
Parkes, A. S., Sc.D. Camb., D.Sc. (9).
Potter, C., D.Sc. (12).
Sutton, Muriel F., Ph.D. (3).

[*Information compiled as at* 5/6/53 ;
*Staff list revised on* 8/10/53.]

# VICTORIA UNIVERSITY OF MANCHESTER*

Founded 1880

*Postal Address* : Oxford Road, Manchester, 13, England.
*Telephone* : Manchester, Ardwick 2681.

VISITOR—H.M. THE QUEEN IN COUNCIL.

CHANCELLOR—The Rt. Hon. The VISCOUNT WOOLTON OF LIVERPOOL, C.H., D.L., M.A., B.Sc., LL.D.

VICE-CHANCELLOR—Professor Sir JOHN STOPFORD, Sc.D. Dub. and Camb., D.Sc. Leeds, LL.D. Liv., M.D., LL.D., F.R.C.P., F.R.S.

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LIBRARIAN—M. TYSON, M.A., Ph.D.

## TEACHING STAFF

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Taylor, R. Y., B.A. (Admin.) Asst. Lectr.

*Adult Education*, v. Education

*American Studies*

Cunliffe, M. F., M.A., B.Litt. Oxon. Lectr.
Jones, M. A., B.A. Oxon. Asst. Lectr.
Potter, A. M., M.A. Wesleyan (American Polit. Inst.) Asst. Lectr.

*Anatomy and Histology*

Mitchell, G. A. G., O.B.E., T.D., M.B., Ch.M., D.Sc. Aberd., M.Sc. Prof. and Dir. of Labs.
Cooper, Eugenia R. A., D.Sc., M.D. (Histol.) Reader.
Patterson, E. L., B.Sc., M.D. (Anat.) Sr. Lectr.

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Lecturers

Ashley, G. T., B.Sc., M.B., Ch.B. (Anat.).
Warwick, R., B.Sc., M.D. (Anat.).
Gray, E. D. (v. also Radiology) (Radiol. Anat.).

Clinical Lecturers

Haxton, H. A., M.D., Ch.M. St. And., F.R.C.S.
Bailey, R. A., B.A., M.D., C.M. McG.

Demonstrators

Hoyte, D. A. N., M.B., Ch.B. Asst. Lectr.
Rintoul, J. R., B.Sc., M.B., Ch.B. St. And.
Rohan, R. F., M.B., B.S. Lond.
Rushton, Kathleen M., M.B., Ch.B.
Torr, J. B. D., M.B., Ch.B.
Turner, Leslie, M.B., Ch.B.

*Anthropology*, v. also Social Anthropology

Sayce, R. U., M.A. Wales and Camb., M.Sc. Hon. Lectr.

*Arabic*, v. Semitic Studies

*Architecture*

Cordingley, R. A., M.A., F.R.I.B.A. Prof. and Dir. of School.

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.
Marsden, T. L., M.A., Dip.T.P.
Thornley, D. G., B.A.
Singleton, W. A., M.A., B.Arch. Liv., Ph.D., Dip.T.P.
Buttle, D., Dip.Arch., Dip.T.P.
Collins, P.
Wood-Jones, R. B., B.Arch. Liv.
Howcroft, G. B., M.C., M.A., F.R.I.B.A. (Professional Practice).
Markus, T. A., B.A. Asst. Lectr.
Malpass, J. C. L. (Life Drawing) Sp. Instr.
2 Studio Assts.

*Art, History of*

Sewter, A. C., B.Sc. (Econ.) Lond., M.A. Sr. Lectr.
Rosenau, Helen, Dr.phil. Hamburg, Ph.D. Lond. Lectr.

*Botany*

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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

Dormer, K. J., B.Sc., Ph.D. Lond.
Wareing, P. F., B.Sc., Ph.D. Lond.
Allsopp, A., M.Sc., Ph.D. (Cryptogamic B.).
Legge, Betty J., B.Sc. Birm. (Mycol.).
Bentley, Joyce A., M.Sc., Ph.D. Hon. Lectr.

Asst. Lecturers

Porter, Mary, Dip.Hort.
Wylie, Ann P., M.Sc. N.Z.
Curry, J., M.D. (Dermatological Mycol.).
Hartshorne, J. N., B.Sc. Wales.
Hannay, J. W., B.Sc.
Scurfield, G., B.Sc., Ph.D. Sheff.

*Chemistry*, v. also Physics, Physiol., Technol.

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Gee, G., Sc.D. Camb., M.Sc., F.R.S. (Phys. Chem.) Prof.
Fairbrother, F., D.Sc. (Inorg. Chem.) Reader.

Sr. Lecturers

Burkhardt, G. N., M.Sc., Ph.D., F.R.I.C.
Warhurst, E., M.Sc., Ph.D.
Baxendale, J. H., D.Sc.

Lecturers

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Herbert, J. B. M., M.Sc.
Quibell, T. H. H., M.A., Ph.D. Camb.
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.
Whiting, M. C., B.Sc., Ph.D. Lond.
Higginson, W. C. E., M.A., D.Phil. Oxon.
Meakins, G. D., B.A., B.Sc., D.Phil. Oxon.

Asst. Lecturers

Bu'Lock, J. D., B.A., Ph.D. Camb.
Pritchard, H. O., M.Sc., Ph.D.
Landauer, S. R., B.Sc., Ph.D. Lond.
Williamson, G. R., M.Sc.Tech.
Farrar, Mrs. Kathleen R., B.Sc., Ph.D. Lond. Demr.

*Chinese*

..... Reader.

*Classics*, v. also Theol.

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Westlake, H. D., M.A. Camb., M.A. (Gk.) Hulme Prof.
Husband, Jeanie, B.A. Liv. (Gk.) Sr. Lectr.
Zuntz, G., Dr.phil. Marburg (Hellenistic Gk.) Sr. Lectr.
Kerferd, G. B., B.A. Melb., M.A. Oxon. Sr. Lectr.
Huxley, H. H., M.A. Camb. (Lat.) Sr. Lectr.

Lecturers

Marlow, A. N., M.A. Lond.
Guite, H. F., B.A. Lond. (Lat.).
Herington, C. J., B.A. Oxon.
Leahy, D. M., M.A. Oxon.
Wilson, A. J. N., M.A., D.Phil. Oxon.
Knowles, V., M.A. Sp. Lectr.

Asst. Lecturers

Bradley, D. R., M.A. Durh.
Healy, J. F., M.A. Camb.

*Computing Machine Laboratory*

Turing, A. M., O.B.E., M.A. Camb., Ph.D. Prin., F.R.S. (Theory of Computing) Reader.

*Coptic*

Till, W., Dr.phil. Vienna Sr. Lectr.

*Crystallography*

Buckley, H. E., D.Sc. Reader.

*Dentistry*, v. *infra*

*Economics*

Lewis, W. A., B.Com., Ph.D. Lond., M.A. (Pol. Econ.) Stanley Jevons Prof.
Redford, A., M.A., Ph.D. (Econ. Hist.) Prof.
Devons, E., M.A. (App. Econ.) Robert Ottley Prof.

Readers

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Willan, T. S., M.A., B.Litt., D.Phil. Oxon. (Hist.).
Stark, W., Dr. rer. pol. Hamburg, Dr. jur. Prague, M.A. Edin. (Hist. of Econ. Thought).
Thomas, W. J., M.Sc. Wales (Agric. Econ.).

Sr. Lecturers

Martin, K., M.A. Oxon., Dr.Phil. Frankfurt (Internat. Econ.).

Chaloner, W. H., M.A., Ph.D. (Mod. Econ. Hist.).
Henderson, W. O., M.A. Camb., Ph.D. Lond. (Internat. Econ. Hist.).
Lomax, K. S., B.Sc., M.A.(Admin.) (Econ. Stat.).
Koenigsberger, H. G., M.A., Ph.D. Camb. (Econ. Hist.).

Lecturers

Turner, H. A. F., B.Sc. (Econ.) Lond. (Indust. Relns.).
Coppock, D. J., B.A. (Econ.) (Econ.).
Vitkovitch, B., B.A. (Econ.) (Econ.).
Low, J. McI., B.Sc. (Econ.) Lond. (Econ.).
Johnston, J., B.Com.Sc. Belf. (Econ. Stats.).

Asst. Lecturers

Walker, D., B.A. Camb.
Perkin, H. J., B.A. Camb. (Soc. Hist.).
Gribbin, T. K., B.Sc. (Econ.) Lond.

*Education*, v. *infra*

*Education of the Deaf*, v. p. 385

*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.
Kilburn, T., M.A. Camb., Ph.D. Sr. Lectr.

Lecturers

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Litting, C. N. W., B.Sc., Ph.D.
West, J. C., B.Sc., Ph.D.
Hardy, D. R., M.Sc. (Eng.) Lond.
Edwards, D. B. G., M.Sc.
Thomas, G. E., M.Sc.
Laithwaite, E. R., M.Sc.
Havekin, T., Ph.D. Birm., B.Sc. Sp. Lectr.
Gerrard, H., M.Sc., F.I.P. Sp. Lectr.

Asst. Lecturers

Chaplin, G. B. B., M.Sc.
Grimsdale, R. L., M.Sc.
Hoffman, G. R., B.Sc. St. And.

Demonstrators

Rawlinson, E., B.Sc.
Harlen, F., B.Sc. Sheff.

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Matheson, J. A. L., M.B.E., Ph.D. Birm., M.Sc.
Beyer Prof. and Dir. of Whitworth Labs.
Diamond, J., B.Sc. Lond., M.Sc. Camb. (Mech. Engin.) Prof.
Mason, C. M., T.D., M.Sc. Tutor.
Mathieson, R., B.Sc. Lond., Ph.D. Glas. Clifton Sr. Lectr.

Lecturers

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Alderman, J. K., M.Sc.
O'Sullivan, J. K., M.Sc.
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Rowe, P. W., B.Sc. Brist., Ph.D. St. And.
Allen, J., M.Sc., Ph.D.
Edwards, F. J., B.Sc.
Buckingham, F., B.Sc. Lond. Sp. Lectr.

Asst. Lecturers

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Allen, J. B., B.Sc.
Chisnell, R. F., M.Sc. Lond. (Maths. and Engin.).

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Brook, G. L., B.A., Ph.D. Leeds, M.A.
(E. Lang and Mediæv. E. Lit.) Smith Prof.

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Jump, J. D., M.A. Liv. (E. Lit.) Sr. Lectr.
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Lecturers

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Lees, F. N., B.A. (E. Lit.).
Hanson, C., M.A. Sheff. (E. Lit.).
Pollard, A., B.A. Leeds, B.Litt. Oxon. (E. Lit.).
Leslie, R. F., M.A. (E. Lang.).
Oliver, Mrs. Annabella M., B.A. Oxon., M.A. Edin. (E. Lit.) Sp. Lectr.

Asst. Lecturers

Skelton, R., M.A. Leeds.
Wynn, J. B., M.A. Wales.

*Fluid Motion*

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Attree, V. H., B.Sc. (Eng.) Lond. Lectr.
Johannesen, N. H., M.Sc., Dr. techn. Copenhagen Lectr.

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Mansell Jones, P., M.A. Wales and Camb., B.Litt. Oxon. (Mod. Fr. Lit.) Prof.
Whitehead, F., M.A., D.Phil. Oxon. (Old Fr. Lang. and Lit.) Reader.
Crump, Phyllis E., M.A. Lond., M.A. Sr. Lectr.
Marks, J., M.A. Sr. Lectr.

Lecturers

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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.
Monteagle, H., L. ès L., Dip. d'É.S. Paris, Ag. d'Hist. (Fr. Hist. and Instns.).

Special Lecturers

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Ruer, J. M. L., L. ès L., Dip. d'É.S. Lille, Ag. d'Angl. (Fr. Phonetics).

Asst. Lecturers

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Gwynne, G. E., M.A. Wales, D. de l'U. Paris.
Wexler, P. J., M.A. Camb., D. de l'U. Paris.
Churchman, Anne R., M.A.
Noble, B. J., M.A. Oxon.
Delalle, R., L. ès L., Dip. d'É.S. Paris
Leprêtre, Paule A. C, L. ès L. Lille Asst.

*Geography*

Crowe, P. R., B.Sc. (Econ.) Lond., Ph.D. Glas. Prof.
Freeman, T. W., M.A. Leeds and Dub. (Econ. Geog.) Reader.
Sylvester, Dorothy, M.A. Liv. Sr. Lectr.
Pye, N., B.A. Lectr.
Rodgers, H. B., M.A. Lectr.

Asst. Lecturers

Carter, Jean, B.Litt. Oxon., B.A.
Duncan, J. S., M.A. N.Z.
Niddrie, D. L., M.Sc. S.A.

*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.
Simpson, I. M., B.Sc., Ph.D. Edin. (Stratigraphy) Lectr.
Morton, E., M.Sc. (App. Geol.) Sp. Lectr.
Broadhurst, F. M., B.Sc. Asst. Lectr.
Zussman, J., B.A., Ph.D. Asst. Lectr.
Howie, R. A., M.A., Ph.D. Camb.

*German Lang. and Lit.*

Peacock, R., M.A. Leeds, Dr.phil. Marburg, M.A. Henry Simon Prof.
Keller, R. E., Dr.phil. Zür., M.A. Sr. Lectr.

Lecturers

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Kerry, S. S., B.A.
Rohl, Mrs. Freda K., B.A. Lond. Sp. Lectr.

Asst. Lecturers

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Furness, N. A., B.A. Durh., Dr. phil. Innsbruck.

*Government and Administration*

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Lecturers

Grundy, J., B.A., B.A. (Admin.) (Govt.).
Birch, A. H., B.Sc. (Econ.), Ph.D. Lond. (Govt.).
Rodgers, Mrs. Barbara N., M.A. Oxon. (Soc. Admin.).
Rodgers, A. B. L., B.Sc. (Econ.) Lond. (Soc. Admin.).
Campbell, P. W., M.A. Oxon. (Govt.).
Grove, J. W., B.Sc. (Econ.) Lond. (Govt.).
Chapman, B., M.A., D.Phil. Oxon. (Govt.).
Donnison, D. V., B.A. Oxon. (Soc. Admin.).

Asst. Lecturers

Gray, Mrs. Kathleen R., B.A. (Soc. Admin.).
Potter, A. M., M.A. Wesleyan (American Polit. Institns.).

*Hebrew*, v. Semitic Studies, Theol.

*Histology*, v. Anat.

*History*, v. also Econ., Theol.

Cheney, C. R., M.A. Oxon., M.A., F.B.A. (Mediæval H.) Dean, Fac. of Arts., Prof.
Redford, A., M.A., Ph.D. (Econ. H.) Prof.
Smith, R. E., M.A. Camb. (Anc. H.) Prof.
Goodwin, A., M.A. Oxon. (Mod. H.) Prof.
Willan, T. S., M.A., B.Litt., D.Phil. Oxon. Reader.
Stark, W., Dr. rer. pol. Hamburg, Dr. jur. Prague, M.A. Edin. (Hist. of Econ. Thought) Reader.

Sr. Lecturers

Dugmore, Rev. C. W., M.A., B.D. Oxon. (Eccles. H.) Bishop Fraser Sr. Lectr.
Chaloner, W. H., M.A., Ph.D. (Mod. Econ. H.).
Henderson, W. O., M.A. Camb., Ph.D. Lond. (Internat. Econ. H.).
Koenigsberger, H. G., M.A., Ph.D. Camb. (Econ. H.).
Robson, E., M.A.
Tupling, G. H., M.A., B.Sc., Ph.D. Lond. (Local H.) Sp. Lectr.

Lecturers

Pennington, D. H., M.A. Oxon.
Rodewald, C. A., M.A. Oxon.
Stone, E., M.A. Oxon.
Desborough, V. R. d'A., M.A., B.Litt. Oxon.

Monteagle, H., L. ès L., Dip. d'É.S. Paris, Ag. d'Hist. (Fr. H. and Institutions).
Beckingham, C. F., M.A. Camb. (Islamic H.).
Ward, W. R., B.A., D. Phil. Oxon.

Asst. Lecturers

Clementi, Dione R., M.A., D.Phil. Oxon.
Williams, P. H., B.A. Oxon.
Musson, A. E., M.A.
Perkin, H. J., B.A. Camb. (Soc. Hist.).
Parker, R. A. C., M.A. Oxon.
John, E., M.A.

*Horticulture*, v. Botany

*Italian*

..... Prof.
Speight, Kathleen, M.Litt. Camb., Dott. Lett. Florence, M.A. Sr. Lectr.
White, D. M., B.A. Camb. Lectr.
Ralphs, Sheila, B.A. Lond. Asst. Lectr.

*Law*

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Wortley, B. A., O.B.E., LL.M. Leeds, LL.D. (Jurisprud. and Internat. L.) Prof.
Cooper, W. Mansfield, LL.M. (Industr. and Commercial L.) Prof.
Hornby, J. A., M.A., LL.B. Camb. Lectr. and Tutor for Articled Clerks.

Lecturers

Bromley, P. M., M.A. Oxon.
Hesling, Edith, O.B.E., LL.B.
Shepherd, F. C., LL.B.
Sidebotham, H., LL.M.
Towns, F. W., LL.M.
Driver, J. E., LL.M. (Roman L.) Hon. Lectr.

Asst. Lecturers

Bowett, D. W., B.A., LL.B. Camb.
Elliott, D. W., LL.B. Durh.
Nowell, D. G., LL.B.
Johnson, T. A. S., LL.B.
Wood, J. C., LL.B.

*Mathematics*, v. also Technol.

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Lighthill, M. J., B.A. Camb., F.R.S. (App. M.) Beyer Prof.
Bartlett, M. S., M.A. Camb., D.Sc. Lond., M.Sc. (Mathl. Statistics) Prof.
Mahler, K., Dr.phil. Frankfurt-am-Main, D.Sc., F.R.S. (Math. Analysis) Prof.

Sr. Lecturers

Camm, G. L., M.A., D.Phil. Oxon.
Neumann, B. H., Dr.phil. Berl., Ph.D. Camb.
Moyal, J. E., Dip. de l'Institut de Statistique Paris (Mathl. Stats.).
Ledermann, W., D.Sc. Edin., Ph.D. St. And.
Higman, G., M.A., D.Phil. Oxon.

Lecturers

Illingworth, C. R., B.A. Camb.
Friedlander, F. G., B.A., Ph.D. Camb.
Reuter, G. E. H., M.A. Camb.
Stone, A. H., M.A. Camb., Ph.D. Prin.
Wild, E., M.A. Camb.
Levine, S., M.A., Ph.D. Tor.
Jones, D. S., M.B.E., M.A. Oxon.
Walker, A. M., B.A. Camb. (Mathl. Stats.) Res. Asst.
Green, J. A., B.Sc. St. And., Ph.D. Camb.
Glauert, M. B., M.A. Camb.

Asst. Lecturers

Whitham, G. B., M.Sc.
Cohn, P. M., B.A., Ph.D. Camb.
Stone, Mrs. Dorothy, B.Sc. Carnegie Inst. of Technol., Ph.D. Bryn Mawr.

Rogers, Ruth H., M.Sc. Lond.
Roberts, G. T., B.A. Camb.
Curle, S. N., M.Sc.
Chisnell, R. F., M.Sc. Lond. (Maths. and Engin.).
Wallington, P. A., M.A. Camb.

*Medicine*, v. *infra*

*Mesopotamian Studies*, v. Semitic Studies, Theol.

*Metallurgy and Metallography*, v. also Technol.

Thompson, F. C., B.Sc. Lond., D.Met. Sheff., M.Sc., F.I.M. Prof. and Dir. of Labs.

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., Ph.D. Glas.
Cottell, G. A., M.Sc. Hon. Sp. Lectr.
Berry, B. S., M.Sc. Asst. Lectr.
Cowen, H. C., B.Sc. Asst. Lectr.

*Military Organization and Tactics*

..... Hon. Lectr.

*Music*

Procter-Gregg, H., B.A., Mus.B. Camb. Reader.
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 Archæology*

Rowe, A. Lectr.

*Palæography*

Tyson, M., M.A., Ph.D. Sp. Lectr.

*Persian Studies*

Boyle, J. A., B.A. Birm., Ph.D. Lond. Sr. Lectr.

*Philosophy*, v. also Theol.

Emmet, Dorothy M., M.A. Oxon., M.A. Sir Samuel Hall Prof.
Mays, W., Ph.D. Camb. Lectr.
Lucas, P. G., M.A. Camb. Lectr.
Henry, D. P., B.A. Leeds Lectr.
Gilman, E., B.A. Oxon. Lectr.
Alexander, H. H., M.A. Aberd., B.A. Oxon. Asst. Lectr.

*Physics*, v. also Elect. Engin. and Technol.

..... Langworthy Prof. and Dir. of Phys. Labs.
Rosenfeld, L., Ph.D. Liège, M.Sc. (Theoret. Phys.) Prof.
Kopal, Z., D.Sc. Prague (Astron.) Prof.
Lovell, A. C. B., O.B.E., B.Sc., Ph.D. Brist., F.I.P. (Radio-Astron.) Prof.
Henry, D. C., M.A. Camb. (Colloid Phys.) Reader.
Gilbert, C. W., M.A., Ph.D. Camb. Hon. Reader.
Rochester, G. D., M.Sc., Ph.D. Durh., F.I.P. Reader.

Sr. Lecturers

Nuttall, J. M., D.Sc., F.I.P. Asst. Dir. of Phys. Labs.
Braddick, H. J. J., B.A., Ph.D. Camb.
Brown, R. H., B.Sc.(Eng.) Lond., D.I.C.

Lecturers

Owen, B. G., B.Sc. Wales, Ph.D.
Newth, J. A., B.A. Camb., B.Sc. Lond.
Ramsey, W. H., B.Sc. Belf., Ph.D. Brist.
Wilcock, W. L., B.Sc., Ph.D.
Davies, J. G., M.A. Camb.
Hyams, B. D., B.Sc. Chic.
Podolanski, J., Dr.phil. Jena (Theoret. Phys.).
Maddox, J. R., B.A. Oxon. (Theoret. Phys.).

Sutherland, G. A., M.A. Camb. Sp. Lectr.
Meredith, W. J., M.Sc., F.I.P. (Radiol. Phys.) Hon. Lectr.

Assistant Lecturers

Wolfendale, A. W., B.Sc.
Browne, I. C., M.A., Ph.D. Camb.
Geake, J. E., M.Sc.
Herzenberg, A., B.Sc., Ph.D.
Maxwell, A., M.Sc. N.Z.
Palmer, H. P., B.A., D.Phil. Oxon.
Fowler, G. N., B.Sc., Ph.D. (Theoret. Phys.).

*Physiology*

Schlapp, W., M.B., Ch.B., B.Sc., Ph.D. Edin., M.Sc. Dean, Fac. of Med., Brackenbury Prof. and Dir. of Labs.
Kendal, L. P., Ph.D. Camb., M.Sc. (Physiol. Chem.) Sr. Lectr.

Lecturers

Morgan Jones, A., M.Sc., M.B., Ch.B., F.R.C.P. (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.
Longson, D., M.B., Ch.B. Hon. Asst. Lectr.
Bradley, K., M.Sc. (Exp. P.). Asst. Lectr.

Demonstrators

Finney, R. S. H., B.Sc. Lond. (Physiol. Chem.).
Holmes, R., M.Sc.
Beswick, F. B., M.B., Ch.B.
Haynes, Joan, B.Sc. Lond. (Chem. P.).
Cole, P., M.B., Ch.B.
Thomas, S., B.Sc., M.B., Ch.B. Wales.

*Psychology*

Cohen, J., M.A., Ph.D. Lond. Prof.
MacNeill, Florence E., M.A., B.Ed., Ph.D. Edin. Sr. Lectr.
Kenna, J. C., M.A. Calif., B.A. Syd., B.Ed. Melb. (Clinical Psychol.) Lectr.
Kitching, E. H., M.D. Leeds, D.P.M. Sp. Lectr.
Hansel, C. E. M., B.A. Camb. Lectr.
Plowman, D. E. G., B.A. Oxon. Asst. Lectr.
Morris, J. F., B.Sc. (Econ.) Lond. 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.
Willetts, H. T., B.A. Oxon. Lectr.
Dumbreck, J. C., M.A. Glas. Lectr.
White, Mrs. Duklida, B.A. Moscow Sp. Lectr.
Adamovitch, G. Sp. Lectr.

*Scandinavian Studies*

Oswald, Mrs. Jörel S., fil. mag. Uppsala Asst. Lectr.

*Semitic Studies*, v. also Theol.

Rowley, Rev. H. H., M.A. Brist., B.Litt. Oxon., D.D. Lond., Durh. and Wales, Theol.D. Uppsala, LL.D. McM., D.Theol. Zür., M.A., F.B.A. (Hebrew Lang. and Lit.) Dean, Fac. of Theol., Prof.
Fish, Rev. T., Ph.D. Camb., M.A. (Mesopotamian Studies) Prof.
Robson, Rev. J., M.A., D.Litt. Glas., D.D. St. And., M.A. (Arabic) Prof.

Weis, P. R., L. en Phil. et Hist. Or. Louvain, M.A. (Post-Biblical Jewish Studies) Laski Lectr.
Wallenstein, M., M.A., Ph.D. (Med. and Mod. Hebrew) Lectr.
..... (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.
Patterson, D., B.A. (Mod. Hebrew) Asst. Lectr.

*Social Anthropology*

Gluckman, H. M., B.A. Rand., M.A., D.Phil. Oxon., M.A. Prof.
..... Sr. Lectr.
Peters, E. L., B.A. Wales, M.A. Camb., D.Phil. Oxon. Lectr.

*Social Studies*

Polanyi, M., D.Sc. Prin. and Leeds, M.D., Ph.D. Bud., M.Sc., F.R.S. Prof.

*Spanish and Portuguese Studies*

Rees, J. W., M.A. Oxon., B.A. Wales 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.
Wilson, Winifred M. D., M.A. Camb. Lectr.
Waldron, T. P., B.A. Lond. (Portuguese) Asst. Lectr.
..... Asst. Lectr.
González Muela, J., Dr. en. fil. y let. Madrid Asst.

*Technology*, v. *infra*

*Theology*, v. *infra*

*Town and Country Planning*

Holliday, C., M.Arch. Liv., F.R.I.B.A. Prof.

Lecturers

Ledgar, F. W., Dip.T.P.
Keeble, L. B., M.C., B.Sc. Lond.
Boileau, I., M.A. Camb., Dip.T.P. Lond.
Ginsburg, L. B.
Easton, H. C., T.D., M.A. Oxon., LL.B. (Town Planning Law).
Turner, R. B., Dip.Arch., Dip. T.P. (Archit. for Town Planning).
Johnson, A., M.Sc. Durh., F.R.San.I., F.I.S.E. (Engin. for Town Planning).
Leeming, E. L., M.Sc.Tech. (Surveying for Town Planning).

*Zoology*

Cannon, H. G., M.A., Sc.D. Camb., D.Sc. Lond., M.Sc., F.R.S. Beyer Prof. and Dir. of Labs.
Dennell, R., D.Sc. Leeds, M.Sc. (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. Asst. Lectr.
Sewell, Marguerite T., M.Sc. Asst. Lectr.

Demonstrators

Peel, Mrs. Edna D., B.Sc.
MacGill, Elsie I., M.Sc.
Hobson, Beryl R. A., B.A. Oxon., M.Sc.

**Dentistry**

*Anæsthesia*

Dinsdale, T., M.B., Ch.B., D.A. Lectr. and Demr.

*Children's Dentistry and Preventive Dentistry*

Miller, J., M.D.S. Lectr.
Byrom, J., L.D.S. Hon. Sp. Lectr.

Andrew, Pamela, L.D.S. Asst. Lectr.

*Dental Anatomy and Physiology and Dental Histology*

Monks, F. T., M.Sc., L.D.S., F.D.S.R.C.S Lectr.
Turner, E. P. Asst. Lectr.

*Dental Prosthetics and Dental Mechanics*

Matthews, E., M.Sc., Ph.D. Lond., M.Sc., D.D.S., D.I.C., F.D.S.R.C S. (Prosthetic D.) Prof. and Dir. of Dept.

Lecturers

Milne Gall, A. J. (Clin. Prosthetics).
McIntyre, H., M.B., Ch.B., B.D.S. (Clin. Prosthetics).
Johnston, J. W., B.D.S. N.Z. (Prosthetic D.).

Asst. Lecturers

Graham, Mrs. Estelle P. M., L.D.S. (Prosthetic Lab. Technique).
Hawley, Mrs. Hilda A., L.D.S. (Clin. Prosthetics).
Smith, D. C., B.Sc. Lond. (Dental Materials).
Wain, E. A., B.Sc. (Dental Materials).

*Dental Radiology*

Derbyshire, K., L.D.S. Clin. Lectr.

*Dental Surgery*

Radden, H. G., D.D.Sc. Melb., F.D.S.R.C.S. Dean of the Dental Sch., Prof.
Cooke, C., L.D.S., F.D.S.R.C.S. Sr. Clin. Lectr.
Lewis, P. R., B.D.S. Sr. Clin. Lectr.
Parsonage, F. H. Sr. Clin. Lectr.

Clinical Lecturers

Bennison, H.
Peacock, J. N., L.D.S.
McKenzie, J. S., L.D.S.
Cartledge, D. H., B.D.S., F.D.S.R.C.S.
Cocker, G., L.D.S.
Turner, Mrs. Barbara M. A., B.D.S. Asst. Lectr.

Demonstrators

Bolton, R., B.D.S.
Stockdale, C. R., L.D.S.
Powell, J. E., B.D.S.

*Medicine*

Luxton, R. W., B.Sc., M.D., F.R.C.P. Lectr.
Macartney, D. W., M.D., D.P.H. Belf. Clin. Lectr.

*Operative Dentistry*

Holt, J. K., D.D.S. Northwestern, M.Sc., L.D.S., F.D.S.R.C.S. Reader.

Lecturers

Rowbotham, T. C., B.D.S. (Oper. Technique).
Cartledge, D. H., B.D.S., F.D.S.R.C.S. (Oper. Technique).
Torr, Mrs. Barbara, M.B., Ch.B., B.D.S. Asst. Lectr.

*Oral Surgery*

Ashcroft, G., F.D.S.R.C.S. Sr. Clin. Lectr.
Janes, B. V., L.D.S., F D.S.R.C.S. Lectr.
Seeley, E. H., L.D.S. Lectr.
Moule, A. W., B.D.S., F.D.S.R.C.S. Hon. Clin. Lectr.
Mellor, W. C., L.D.S., F.D.S.R.C.S. Hon. Clin. Lectr.
Marsden, J. L., L.D.S., F.D.S.R.C.S. Asst. Lectr.

*Orthodontia*

Hartley, D.T., L.D.S. Lectr.
Wild, N., M.Sc., L.D.S. Lectr.
Mills, J. R. E., L.D.S., F.D.S.R.C.S. Lectr.
Huddart, A. G., B.D.S. Demr.

*Parodontia*

Harrington, J., B.D.S. Lectr.
Prophet, A. S., D.D.S., Dip.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.
Dean, Fac. of E., Prof.
Legge, C. D., B.A. Lond. Lectr.

*Education*

Oliver, R. A. C., M.A., B.Ed., Ph.D. Edin., M.A.
Sarah Fielden Prof. and Dir. of Dept.; Dean, Fac. of Music.
Wiseman, S., B.Sc., M.Ed. Durh., Ph.D. Sr. Lectr.

Lecturers

Gregory, Alys L., M.A., Ph.D.
Herbert, Mrs. Eleonore L., M.A.
Nesbitt, J. E., M.A. Belf.
Coulthard, Edith M., M.A. Oxon.
Morris, N., M.A. Oxon.
Hollins, T. H. B., M.A. Camb.
Coltham, Mrs. Jeannette B., M.A. Oxon.
Crossland, R. W., B.Sc.
Gorner, F., M.Sc. Sheff.
Stafford, E., B.Sc. Lond., B.A. (Admin.).
McGlynn, Mrs. Ida.
Black, E. L., M.A. Camb.
Haworth, Joyce, M.A. Leeds.
Warburton, F. W., B.A. R'dg., M.A., Ph.D. Lond. (E. Psychol.).
Claypole, Mrs. Barbara M. (Speech Educn.).
Arscott, Christine M., M.A., Ph.D. Lond., M.Ed. Sp. Lectr.
Addison, Ada Sp. Lectr.
Harrison, D. F. (Speech Trg.) Asst.
Middleton, Edith (Gardening) Instr.

*Education of the Deaf*

Ewing, A. W. G., M.A. Edin., Ph.D.
Ellis Llwyd Jones Prof. and Dir. of Dept.
Watson, T. J., M.C., M.A., Ph.D. Edin. Sr. Lectr.

Lecturers

Carlill, Eleanor L., B.A.
Williamson, Marion B., M.A. Glas.
Moseley, Mrs. Nora H.
Wollman, D. C., M.A. Leeds, B.A.
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., F.F.A.R.C.S.
Lectr. and Dir. of Sub-Dept.

Clin. Tutors

Begg, Elsie C., M.B., Ch.B.
Sykes, C. E., M.B., Ch.B., D.A., F.F.A.R.C.S.
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.
Payne, J. P., M.B., Ch.B. Edin., D.A. Res. Asst.

*Bacteriology*

Maitland, H. B., M.D. Tor., M.Sc.
Prof. and Dir. of Dept.

Evans, D. G., Ph D., D.Sc. (Chem. Bacteriol.) Reader.
Tobin, J. J. W. O'H., M.A., B.M., B.Ch. Oxon., Dip.Bact. Lectr.
Perkins, F. T., M.Sc., Ph.D. (Chem. Bacteriol.) Lectr.
Sherris, J. C., M.D. Lond.
Stones, P. B., M.B., B.S. Lond., M.P.H. Harv.
Parker, M. T., M.B., B.Chir. Camb. Hon. Lectr.
Preston, N. W., M.B., Ch.B., Dip.Bact. Asst. Lectr.

*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.
Macaulay, D., B.Sc., M.D. Glas., D.C.H.

Hon. Clinical 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.
Mackay, R. I., B.Sc., M.B., Ch.B., D.C.H. Clin. Tutor.
Feldman, G. V., M.B., Ch.B., D.C.H. Asst. Lectr.
Hartley, J. B., M.D. Durh., D.M.R.E. Camb., F.F.R. (Radiol.) Sp. Lectr.

*Dermatology*

Mumford, P. B., M.D., F.R.C.P. Clin. Lectr.
Davies, J. H. T., M.A., M.B., B.Chir. Camb. Asst. Lectr.
Curry, J., M.D. (Dermatol. Mycol.) Asst. Lectr.

*Forensic Medicine*

Blench, T. H., M.D., B.Hy., D.P.H. Durh. Lectr.

*Hæmatology*, v. Medicine

*Infectious Diseases*

Yule, J., M.D. Glas., D.P.H. Edin. and Glas. Clin. Lectr.
Liddle, D. C., M.B., Ch.B. Glas. Clin. Lectr.

*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. Dir. of Rheumatism Res. Centre) Reader in Rheumatic Disease.
Black, D. A. K., B.Sc., M.D. St. And., F.R.C.P. Reader.

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.
Don, C. S. D., M.D. Aberd., F.R.C.P.
Howat, H. T., M.B., Ch.B. St. And., F.R.C.P.
Stanbury, S. W., M.B , Ch.B.
Luxton, R. W., B.Sc., M.D., F.R.C.P. (Med. for Dental Students)
Lectr. and Hon. Clin. Lectr.
Morgan Jones, A., M.Sc., M.B., Ch.B., F.R.C.P. (Cardiology)
Clin. Lectr. and Dep. Dir. of Cardiol. Dept.
Israëls, M. C. G., M.Sc., M.D., F.R.C.P. (Hæmatology)
Lectr. and Asst. Dir. of Hæmatol. Sub-Dept.
Ellis, R., M.D., F.R.C.P.
Hon. Clin. Lectr.
Wade, H. J., B.Sc., M.D.
Hon. Clin. Lectr.
Greenberg, M. J., M.B., B.Chir. Camb.
Hon. Clin. Lectr.
Oelbaum, M. H., B.Sc., M.D.
Hon. Clin. Lectr.
Macartney, D. W., M.D., D.P.H. Belf. (Med for Dent. Students)
Clin. Lectr
Wade, E. G., B.Sc., M.D. (Cardiol.)
Sharp, J., M.D. Rochester, B.Sc., M.B., Ch.B. (Rheumatic Dis.).
Emery, E. W., B.Sc. Lond. (Med. Phys.).
Stratton, F., B.Sc., M.D., D.P.H. (Human Serol.) Sp. Lectr.
Roscoe, Margaret H., B.Sc., Ph.D. Lond., M.B., Ch.B. Res. Asst.
Dodwell, Beatrice (Nursing Technique) Demr.

*Neurology*

Ferguson, F. R., M.D., D.P.H., F.R.C.P. Reader.
Smyth, G. G. E., M.D., F.R.C.P. (Med. Neurol.) Lectr.
Liversedge, L. A., M.D. Duke, B.A., B.Sc., M.B., Ch.B. (Med. Neurol.) Lectr.

*Neurology, Experimental*

Stopford, Sir John, Sc.D. Dub. and Camb., D.Sc. Leeds, LL.D. Liv., M.D., LL.D., F.R.C.P., F.R.S. Prof.

*Neuro-Surgery*, v. Surgery

*Obstetrics and Gynæcology*, v. also *Child Health*

Morris, W. I. C., M.B., Ch.B. Edin., M.Sc., F.R.C.S.Ed., F.R.C.O.G.
Prof. and Dir. of Dept.
Langley, F. A , M.Sc., M.B., Ch.B. (Sp. Pathol.) Sr. Lectr.
Walker, A. H. C. Sr. Lectr.

Clinical Lecturers

Bailey, K. V., M.C., M.D., F.R.C.O.G.
Hunter, J. W. A., M.D. Edin., F.R.C.O.G.
Gerrard, E. A., M.D., F.R.C.O.G.
Newton, R., M.D., F.R.C.O.G.
Liebert, Katharine I., B.Sc., M.B., Ch.B., F.R.C.S.

Lecturers

Smith, J. A. McC., M.D. Aberd.
Burslem, R. W., M.D.
Hon. Clin. Lectr.
Hartley, J. B., M.D. Durh., D.M.R.E. Camb., F.F.R. (Radiol., also Child Health)
Sp. Lectr.

Asst. Lecturers

Rickards, C. E. B., M.B., Ch.B.
Racker, D. C., M.B., Ch.B., F.R.C.S.Ed.

*Occupational Health*

Lane, R. E., M.D. Lond., M.Sc., F.R.C.P. Nuffield Prof.
Schilling, R. S. F., M.D., D.P.H. Lond. Reader.

Lecturers

Goldblatt, M. W., B.Sc., M.D., B.A.O. Belf., Ph.D. Lond.

Bedford, T., D.Sc., Ph.D. Lond.

Davis, S. B., M.A., B.M., B.Ch. Oxon.

Heron, A., Ph.D., Dip.Psych. Lond., M.Sc.

Murray, R., B.Sc., M.B., Ch.B. Glas., D.P.H., D.I.H.

Kench, J. E., Ph.D., D.Sc. Brist., M.B., Ch.B., F.R.I.C. (Biochem.).

Lawrence, J. S., M.D. Edin.

Hughes, J. P. W., T.D., M.D., D.P.H. Lond.

Logan, R. F. L., M.D. Belf., D.I.H. Hon. Lectr.

Goodman, Nancy M., B.Sc. Lond. Res. Asst.

*Ophthalmology*

Duthie, O. M., M.D., F.R.C.S. Reader.

Stanworth, A., B.Sc., M.B., Ch.B. Sheff, Ph.D., D.O.M.S. Lectr.

Smith, J. L. S., B.A., M.B., B.Chir. Camb., D.O.M.S. (Ophthalmic Pathol.) Lectr.

Naylor, E. J., M.Sc. Tech., Ph.D. (Ophthalmic Optics) Res. Asst.

*Otolaryngology*, v. Surgery

*Pathology and Path. Anat.*, v. also Obstetrics and Gynæcol., 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. Dir. of Rheumatism Res. Centre) (Osteo-Pathol.) Prof.

Whitehead, R., D.Sc., M.D. Reader.

Fairbrother, R. W., D.Sc., M.D., F.R.C.P. (Clin. Path.) Hon. Reader.

Golberg, L., D.Sc. Rand., D.Phil. Oxon., B.A., M.B., B.Chir. Camb., F.R.I.C. (Chem. Pathol.) Sr. Lectr.

Langley, F. A., M.Sc., M.B., Ch.B. (Special Pathol.) Sr. Lectr.

Lecturers

Lempert, H., M.Sc., M.D. (Clin. Pathol.) Hon. Lectr.

Varley, H., M.Sc. (Clin. Path.) Hon. Lectr.

Jennison, R. F., M.D. Lond. (Clin. Pathol.) Hon. Lectr.

Davson, J., M.B., B.S. Lond. Hon. Sp. Lectr.

Smith, J. L. S., B.A., M.B., B.Chir. Camb., D.O.M.S. (Ophthalmic Pathol.) Lectr.

Asst. Lecturers

Jackson, F. B., B Sc., M.B., Ch.B. Hon. Asst. Lectr.

Coburn, J. G., B.Sc., M.D. (Dermatol., Histo-Pathol.) Hon. Asst. Lectr.

Burne, J. C., M.A., M.B., B.Chir. Camb.

Yates, P. O., M.B., Ch.B.

Smith, J. P., M.B., Ch.B.

Lodge, Kathleen V., M.B., Ch.B.

Morantz, D. J., M.Sc. McG. (Chem. Pathol.).

Demonstrators

Paget, G. E., M.B, B.S. Durh., D.C H.

Baker, H. de C., M.B., Ch.B.

Williams, B. L., M.B., Ch.B.

*Pharmacology, Mat. Med., Therapeutics and Pharmacy*

Macdonald, A. D., M.A., M.D. Edin., M.Sc. (Pharmacol., Mat. Med. and Therapeutics) Leech Prof.

Brindle, H., B.Sc. Lond., M.Sc., F.R.I.C. (Pharmacy) Prof.

Bullock, K., M.Sc., Ph.D., F.R.I.C. (Pharmaceut. Chem.) Reader.

Lecturers

Bedford, T. H. B., M.Sc., M.B., Ch.B. Leeds, D.Sc. (Pharmacol.).

Roberts, Ivy, M.Sc. (Pharmacy).

Melville, C., B.Pharm. Lond., Ph.D. (Pharmacy).

Rigby, G. J., B.Sc. Lond., M.Sc., Dip.Bact. (Pharmacy).

Jackson, H., M.Sc., M.B., Ch.B., Ph.D. (Exper. and Radiation Therapeutics) Hon. Lectr.

Asst. Lectrs.

Rawlins, E. A., M.Sc. (Pharmacy).

Carless, J. E., B.Pharm. Lond., M.Sc. (Pharmacy).

Woodhead, H. B., M.Sc. (Pharm.).

Bellis, D. M., B.Sc. (Pharm.).

Kohn, R., B.Sc. (Pharmacol.) Demr.

*Preventive Medicine*, v. Social and Prev. Med.

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Trethowan, W. H., M.A., M.B., B.Chir. Camb., D.P.M.

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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.).

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Malloy, T. R., M.D. Belf., D.P.M. (Child Psychiatry).

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Lectr.

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Reader.

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Holt, G., M.Sc. Tech., Ph.D. (Org. Chem.).

Quinton, J. H., M.Sc. Tech. (Chem. Engin.).

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Spinner, E., M.Sc. Tech.

Smith, N. H. P., M.Sc. Tech.

Thompson, A. R., B.Sc. Tech.

Abson, J. W., M.Sc. Tech.

Jackson, C. P., B.Sc. Tech.

Knowles, M., B.Sc. Tech.

White, R. F., B.Sc. Tech.

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Pickles, W., B.Sc. Lond., M.Sc. Tech.

Smith, P. W. G., B.Sc. Lond.
Taylor, H. T., B.Sc., M.Sc. Tech.
Davies, B. L., B.Sc. Tech. (Metall.).

*Chemistry, Textile*

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Barkas, W. W., D.Sc. Lond., B.Sc., F.I.P. (Papermaking Technol.) Reader.

Lecturers

Preston, J. M., B.Sc. Liv., F.R.I.C., F.T.I.
Turner, H. A., M.Sc. Sheff., F.R.I.C., F.T.I.
Egerton, G. S., M.Sc., Ph.D. Lond., F.T.I.

Asst. Lecturers

Johnson, Alan, M.Sc. Tech.
Faichney, P. (Paper Manuf.).

*Engineering, Electrical*

Bradshaw, E., M.B.E., Ph.D. Glas., M.Sc. Tech.
Prof. and Dir. of Labs.
Glynne, A., M.A. Camb. (Elect. Measurements) Sr. Lectr.

Lecturers

Barratt, N. M., M.Sc. Tech.
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Hancock, N. N., B.Sc. (Eng.) Lond., M.Sc. Tech
Willis, J., B.Sc. (Eng.) Lond.
Lees, A. B., M.Sc. Tech.
Adamson, C., M.Sc. Lond.
Venning, B. H., B.Sc. Lond.
Jackson, W. D., B.Sc. Glas.
Asst. Lectr.

*Engineering, Mechanical*

Baker, H. Wright, D.Sc.
Prof. and Dir. of Labs.
Lamble, J. H., M.Eng., Ph.D. Liv.
Sr. Lectr.
Bevan, T., M.Sc. Tech. Sr. Lectr.

Lecturers

Cantle, G. S., B.Sc. Durh., M.Sc. Tech., Ph.D.
Johnson, E., B.Sc. Edin.
Koenigsberger, F., Dipl. Ing. Berl., M.Sc. Tech.
Gill, S. S., M.Sc. Tech., Ph.D.
Furber, B. N., M.Sc. Tech.
Hatton, A. P., M.Sc. Tech.
Schiffer, G. R., B.Sc. (Eng.) Lond.
Parker, J., B.Sc. Tech.
Royle, J. K., B.Sc. Tech.

Asst. Lecturers

Kettlewell, J., B.Sc.
Johnson, K. L., M.Sc. Tech.
Heginbotham, W. B., M.Sc. Tech.
Green, H. W., M.Sc. Tech.

*Engineering, Municipal*

Cornish, R. J., M.Sc., F.R.San.I. Hd. of Dept. and Dir. of Labs.

Lecturers

Johnson, A., M.Sc. Durh., F.R.San.I., F.I.S.E.
Morgan, E. Ll., B.Sc Wales, M.Sc. Tech.
Tait, G. B., B.Sc. Edin.
Spencer, E., B.Sc. Tech.
Chisholm, D. S., M.Eng Liv.

*Industrial Administration*

Roberts, A., M.Com., Ph.D., F.I.I.A. Hd. of Dept.

Lecturers

Jenkins, G., M.Com.
Verity, T. E. A., M.Sc. Tech.
Fraser, J. A., M.A., B.Ed. Edin.
Dowdell, A., M.A. Oxon.
Wright, J. W., M.A. Camb.
Smith, P. L., M.A. Oxon.

*Languages, Modern*

Eaton, R. S., M.A., B.A. (Admin.) Lectr.
Jackson, H. S., M.A. Lectr.
Buxton, C. R., B.A. Lond., M.A. Asst. Lectr.

*Mathematics*

Bowman, F., M.A. Camb., M.Sc. Tech. Hd. of Dept.

Lecturers

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Shenton, L. R., Ph.D. Edin., B.Sc.
Butler, R., M.Sc.
Asst. Lecturers
Fagg, S. V., B.Sc. Lond., D.I.C.
Hogg, H. E., M.A. Camb.

*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. R'dg.
Fowweather, F., B.Sc., Ph.D.
Taylor, C. A., B.Sc. Lond., Ph.D.

*Textile Industries*

Morton, W. E., M.Sc. Tech., F.T.I.
Prof. and Dir. of Labs.
Meredith, R., M.Sc. Sr. Lectr.
Lecturers
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Taylor, J. S., M.Sc. Tech. (Spinning).
Essam, J. M., M.Sc. Tech., F.T.I. (Weaving).
Walker, P. H., B.Sc. (Eng.) Lond., Ph.D. (Textile Engin.).
Brunnschweiler, D., B.Sc. Tech. (Weaving).
Hearle, J. W. S., B.A. Camb.
Asst. Lecturers
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Duxbury, V., B.Sc. Tech.

## Theology

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Rylands Prof.
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Meecham, Rev. H. G., B.A. Lond., M.A., D.D., Ph.D. (N.T.).

*Christian Ethics*

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*Ecclesiastical History*

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Bishop Fraser Sr. Lectr.
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Dykes, Rev. K. C., M.A., B.D.
Scott, Rev. P., B.D. Lond., D.Theol. Marburg.
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Dean, Fac. of Theol., 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.
..... Lectr.

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Mackay, Mary H.
Mellor, Edna.
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The COLLEGE OF TECHNOLOGY,* Sackville St., Manchester, 1 (*Telephone*: Manchester, Central 3624), became connected with the Univ. of Manchester in 1905 in the Fac. of Technol. (*see* pp. 390-393), the greater part of the work of which is conducted in the Coll., whose Principal is Dean. From Oct. 1934 recognized for B.Sc. (Eng.) degree for external students, London Univ. The Coll. publishes *Prospectuses* for each dept. Principal: B. V. Bowden, M.A., Ph.D. Camb.; Registrar: T. W. Harwood, M.A.

Recognized for External Lectures in Theology: MANCHESTER BAPTIST COLLEGE, Brighton Grove, Rusholme, Manchester, 14 (*Telephone*: Manchester, Rusholme 1131); HARTLEY VICTORIA METHODIST COLLEGE, Alexandra Road South, Alexandra Park, Manchester, 16 (*Telephone*: Manchester, Chorlton 3593); LANCASHIRE INDEPENDENT COLLEGE, Whalley Range, Manchester, 16 (*Telephone*: Manchester, Chorlton 5632); MORAVIAN COLLEGE, Fairfield, Manchester (*Telephone*: Manchester, Droylsden 1444); UNITARIAN COLLEGE, Daisy Bank Road, Victoria Park, Manchester, 14 (*Telephone*: Manchester, Rusholme 1016).

Recognized for instruction in Maths., Physics, Chem., and Biol. up to Inter. standard for B.Sc. and B.Sc. Tech.: the HARRIS INSTITUTE, Preston, Lancs. (*Telephone*: Preston 4016).

For third year of B.Sc. Tech. course in Metal Mining (at present discon-

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

tinued): the CAMBORNE SCHOOL OF METALLIFEROUS MINING, Camborne, Cornwall (*Telephone*: Camborne 2167).

## GENERAL INFORMATION

Owens College, named after a Manchester merchant who bequeathed £96,000 for its foundation, was opened in 1851. The Manchester School of Medicine was united with it in 1872. The Charter of 1880 by which the Victoria Univ. was founded established a federal constitution and made Owens a constituent Coll. of the Univ. Subsequently Univ. Coll., Liverpool, and Yorkshire Coll., Leeds, were admitted as constituent Colls. A new Charter was issued on July 15, 1903, reconstituting the Univ. under the name of the Victoria Univ. of Manchester and freeing it from liability to admit or remain in association with any Coll. other than Owens, and on June 24, 1904, the Act for the incorporation of Owens College with the Univ. was passed. In 1905, on the establishment of the Faculty of Technology, the work of Univ. standard at the Municipal School (now College) of Tech. was included in the Univ.

Most of the buildings erected from time to time during the past 50 years are situated in the city. The Departments of Bacteriology, Preventive Medicine and Pathology are ½ mile distant, adjoining principal hospitals. The main athletic ground (30 acres) is at Fallowfield, about 1½ miles distant, while a further 50 acres at Wythenshawe, about 3 miles distant, are also being brought into use.

CONSTITUTION. The governing body of the Univ. is the Court of Governors, whose executive committee is the Council: the Senate, which consists of all the Profs. of the Univ., regulates academic matters. Faculties are controlled by their own boards within the authority granted by Senate and Council. The Chancellor presides over the Court, the Council elects its own Chairman, the Vice-Chancellor presides over the Senate.

INCOME (year ended July 31, 1952). Total Income £1,224,584. (Treasury grants, 72·1 per cent.; fees, 13·6 per cent.; other Govt. depts., 2·8 per cent.; endowments, 5·8 per cent.; local authorities, 2·5 per cent.; other items, 3·2 per cent.)

LIBRARIES. The main library (over 390,000 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 96,900 vols.) are housed in the Med. School, and available for students. The Library for Deaf Education (over 8300 vols.) is available to all interested in the educn. of the deaf. The John Rylands Library in Manchester includes the famous Althorp Library and the Crawford MSS. It contains one of the most important collections of early printed books and Bibles in existence, many first editions of English and foreign classics, and rare bindings. The MSS., both Eastern and Western, are notable for their fine examples of calligraphy and illumination and for their many important texts, on papyrus, parchment and other materials. In addition there is an extensive collection of charters, manorial and legal records and family muniments relating to almost every county in England. The ancient Chetham Library (100,000 vols.) has valuable mediæval MSS. and printed books of

17th and 18th centuries and specializes in local history and topography. The Municipal Reference Library (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 350 journals, of which more than half are filed permanently.

TEACHING HOSPITALS. Manchester Royal Infirmary; St. Mary's Hospitals for Women and Children; Manchester Royal Eye Hospital; Manchester and Salford Hospital for Skin Diseases; Royal Manchester Children's Hospital; Christie Hospital and Holt Radium Institute; Tuberculosis Centre; Withington Hospital; Crumpsall Hospital; Ancoats Hospital; Salford Royal Hospital; Duchess of York Hospital for Babies; Booth Hall Children's Hospital.

LABORATORIES, ETC. Ample equipment for advanced study and research in all departments. Outstation for physical research at Jodrell Bank in Cheshire; lab. for fluid motion research at Barton aerodrome. Experimental Grounds for Hortic. in Manchester and outstation in Cheshire. The *Manchester Museum*, forming part of the Univ. buildings, and containing among other special depts. the Flinders Petrie Egyptol. Collection, is utilized for Univ. teaching in Zool., Bot. and Geol.; it is also used for systematic instruction of Elem. school children.

OBSERVATORY. The University Meteorological Observatory, Whitworth Park, Manchester (Observer: P. H. Walker).

SCHOOL OF EDUCATION. An area training organization with the following constituent trg. colls.: Bolton Training College, Manchester Rd., Bolton (*Telephone*: Bolton 5110); Charlotte Mason College, Ambleside, Westmorland (*Telephone*: Ambleside 2168); De La Salle Training College, Hopwood Hall, Middleton, Lancs. (*Telephone*: Middleton 2738); Didsbury Training College, Wilmslow Rd., Manchester, 20 (*Telephone*: Manc., Didsbury 1054); College of Housecraft, High St., Manchester 13 (*Telephone*: Manc., Rusholme 4446); Manchester Training College, Long Millgate, Manchester, 3 (*Telephone*: Manc., Blackfriars 7745); Padgate Training College, Fearnhead, nr. Warrington (*Telephone*: Warrington 2671); Sedgley Park College, Prestwich, Lancs. (*Telephone*: Prestwich 2362); Washington Hall Training College, Chorley, Lancs. (*Telephone*: Chorley 2871); Regional College of Art, All Saints, Manchester, 15 (*Telephone*: Manc., Ardwick 3480).

FACULTIES, DEANS AND TUTORS. (1) Arts [including School of Architecture], *Dean*: Prof. C. R. Cheney (Med. Hist.), *Tutor*: J. Marks (French); (2) Science, *Dean*: ....., *Tutor*: Dr. G. N. Burkhardt (Chem.); (3) Law, *Dean*: Prof. R. A. Eastwood (Eng. Law), *Tutor*: J. A. Hornby (Artic. Clerks); (4) Medicine [including Dentistry and Pharmacy], *Dean*: Prof. W. Schlapp (Physiol.), *Tutor*: Dr. J. N. Mills (Physiol.); *Dean of Dental School*, Prof. H. G. Radden (Dent. Surg.), *Tutor to Dental Students*: Dr. A. S. Prophet (Dent. Bact.); (5) Music, *Dean*: Prof. R. A. C. Oliver (Educn.); (6) Economic and Social Studies, *Dean*: Prof. W. J. M. Mackenzie (Govt. and Admin.), *Tutor*: Dr. K. Martin (Internat. Econs.); (7) Theology, *Dean*: Prof. H. H. Rowley (Hebrew Lang. and Lit.); (8) Technology, *Dean*: Dr. B. V. Bowden; (9) Education, *Dean*: Prof. R. D. Waller (Adult Educn.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs. (by sp. permission, grads. of other approved Univs., 2 yrs.)—B.A., B.A. (Theol.), B.A. (Mus.), B.Sc., LL.B., Mus.B., B.A. (Econ.), B.A. (Com.), B.A. (Admin.), B.D. (after Interm. courses in Arts), B.Sc. Tech.; 4 yrs.—B.A. (Hons. in Mod. Langs.—two langs.), B.Sc. (Hons. in Pharmacy); 5 yrs.—B.A. (Hons. in Archit. and Town and Country Planning); 5 yrs. and 1 term—B.D.S.; 6 yrs.—M.B., Ch.B. The B.A. (Com.) and B.A. (Admin.) courses can be completed by attendance on evening lectures during not less than 4 sessions.

The B.A. degree may be awarded with Honours in Combined Subjects (v. p. 12).

The B.Sc. degree may be awarded with Honours in General Science (v. p. 13).

Hons. students of mod. foreign langs. may count attendance on approved courses for a term at a foreign Univ. as equivalent to attendance at Manc.

Minimum attendance in the Univ. for graduation—3 yrs., for Bachelorships in 2 Faculties—5 yrs.

HIGHER DEGREES. Open to Bachelors normally of 1 yr.'s standing—M.A., M.Sc., M.D.S., M.A. (Econ.), M.Sc. Tech.; 2 yrs.—LL.M. (1 yr. for persons who graduated LL.B. with Honours in the Univ.), M.D., D.D.S., M.Ed.; 4 yrs.—D.Sc., LL.D., Mus.D., D.D.; 5 yrs.—Ch.M. Open to Masters or Doctors of Philosophy of the Univ. only: Litt.D.

Open to graduates of other approved Univs. through research in Manc. during 2 (non-graduates 3) yrs.—M.A., M.Sc., LL.M., M.A. (Econ.), M.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. 24).

DIPLOMAS. Bacteriology, Chem. Engineering, Statistics, International Law, Social Administration, Social Anthropology—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*) 3 yrs. pt.-time or 1 yr. full-time 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.); Graduate Cert. in Educn., 1 yr. (grads.); Teachers', 1 yr. (grads. also taking Cert. for Teachers of the Deaf); Cert. in Adult Educn., 1 yr. (grads. normally resident outside U.K.); Certif. for Teachers of the Deaf, 1 yr. (grads. and certificated teachers); Town and Country Planning, 2 yrs.

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

FEES. I. Tuition per session, including membership of Library, Students' Union and Athletic Union, except where otherwise stated (in Science, Medicine and Dentistry these fees include most lab. and microscope charges): B.A.,

£33 : 10s. (Hons. in Archit. or Town and Country Planning, first 3 yrs., £33 : 10s., 4th and 5th yrs. £25 : 10s.); B.Sc., £33 : 10s.-£53 : 10s.; LL.B., £33 : 10s.; M.B., Ch.B.—first 5 sessions, £47 : 10s., 6th session, £26 : 10s. (a fee for residence in St. Mary's Hospital is also payable); B.D.S., first 4 yrs. £68 : 10s.; 5th yr. £38 : 10s.; L.D.S., £68 : 10s.; Mus.B., approx. £71 : 10s., according to options selected; B.A. (Econ.), £33 : 10s.; B.A. (Com.) and B.A. (Admin.), day course, £33 : 10s., evening course, £30 : 10s. (not including Union membership); B.D., approx. £17, *plus* registration fee of 3 gs., which includes library and Athletic Union membership; B.Sc. Tech., £40-£60; Graduate Cert. in Educn., £44 : 0 : 6. II. Examination fees (for the course): Med., 32 gs.; Dent., 19 gs. Other first degrees, 4-6 gs. III. Graduation fees: Bachelor or Master, 8 gs.; Doctor, 5 gs. IV. Research fees: in Science, £7 : 10s.-£20 p.a., according to subject; in other Faculties, £7 : 10s.-£11 p.a.

HOSTELS. I. For men: Dalton Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1952; Principal: G. A. Sutherland, M.A. Camb.), £160 for 31 weeks, 83 students; Hulme Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1343; Warden: Rev. J. Flitcroft, M.A.), £135 for 30 weeks, 150 students; St. Anselm Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1398; Warden: Rev. R. H. Preston, B.Sc. (Econ.) Lond., M.A. Oxon.), £138 for 31 weeks, 65 students; Lancashire Independent College, Whalley Range, Manchester, 16 (*Telephone*: Manc., Chorlton 5632; Principal: Rev. W. G. Robinson, M.A. Oxon., B.A. Liv., B.D., Ph.D.), from £126 per session: Unitarian College, Daisy Bank Road, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1016; Principal: Rev. R. V. Holt, M.A., B.Litt. Oxon.), £120 per session; Montgomery House, Alexandra Park, Manchester, 16 (*Telephone*: Manc., Moss Side, 3434; Wardens: R. F. Torrington, O.B.E., M.A., Mrs. Torrington, M.B.E.), £120 for 31 weeks, variable up to 60. II. For women: Ashburne Hall, Fallowfield, Manchester, 14 (*Telephone*: Manc., Rusholme 4351; Warden: Kathleen G. Gough, B.A.), £120 per session, approx. 205 students; Langdale Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1385; Warden: Mrs. Phyllis M. White, B.A.), £120 per session, 38 students; Ellis Llwyd Jones Hall, Talbot Road, Old Trafford, Manchester, 16 (*Telephone*: Manc., Trafford Park 3166; Warden: Mrs. Irene M. Horsburgh, B.A.), £120 per session, 58 students; St. Gabriel's Hall, Victoria Park, Manchester, 14 (*Telephone*: Manc., Rusholme 1718); Warden: Sr. Maria Benigna, B.A.), £110 per session, 44 students. III. For medical students, men and women: Lister House, Nelson Street, Manchester, 13 (*Telephone*: Manc., Ardwick 2015; Warden: 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 (*Telephone*: Manc., Rusholme 1953), provides accommodation for 25 members of staff and senior research students at a charge varying from £81 to £136 : 10s. p.a. plus an addtnl. charge of £1 : 10 : 11 per week in residence.

The UNIVERSITY UNION (men) and the WOMEN'S UNION occupy buildings on main University site, and provide social facilities for students. They adjoin the REFECTORY, the whole block having been extended and remodelled in 1937, when a STAFF HOUSE was also added. A further extension of the Refectory was opened in 1947.

CONVOCATION consists of all grads. since 1914 (earlier grads. admitted on payment of fee of 5s.). The duties and privileges of Convocn. include the election of the Chancellor of the Univ. District Groups (Manchester, London,

Leeds, North-Western (Lancaster), Bristol, Isle of Man) of Convocn. provide social and other facilities for graduates.

ADULT EDUCATION. Courses in Adult Educn. are conducted by the Dept. of Adult Educn. for students in training for the teaching profession, and in the evening for the general public. Under the auspices of the Jt. Cttee. for Adult Educn. the Extra-Mural Dept. provides facilities for Extra-Mural study at the Univ. and at other centres. Sub-Cttees. are concerned with the supervision of work in collaboration with the W.E.A., and with the Univ.'s Residential Coll. at Holly Royde, 30 Palatine Road, West Didsbury, Manchester 20 (*Telephone*: Manchester, Didsbury 4784). Tutorial classes, Extension courses, public lectures, residential courses, and other facilities for adult-students are arranged.

APPOINTMENTS BOARD, 316-324 Oxford Road, Manchester, 13. The services of the Board are free and open to all students or graduates requiring posts or advice on careers.

UNIVERSITY MILITARY AND AIR FORMATIONS. (*a*) University Training Corps (T.A.), Commanding Officer: Major E. N. Ritchie. (*b*) University Company, W.R.A.C. (T.A.), Officer Commanding: Capt. M. Muldoon (W.R.A.C.). (*c*) University Air Squadron, R.A.F., Commanding Officer: S./Ldr. J. T. Collyer.

STUDENT HEALTH SERVICE. Full-time Medical Officer is in charge. The Service is of a consultative and advisory nature and deals with health education amongst students.

ATHLETIC AND OTHER FACILITIES. The Athletic Grounds consist of (*a*) a ground of about 30 acres at Fallowfield (1½ miles distant), (*b*) a plot of land of about 3 acres adjoining Old Hall Lane, Fallowfield (1½ miles distant), (*c*) about 50 acres of land at Wythenshawe (3 miles distant), 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.

PUBLICATIONS. (1) Periodical: (*a*) *Calendar* (Sept.), 7s. and 5s.; *Examination Papers*, 9d.-3s. 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.

UNIVERSITY PRESS, 316-324 Oxford Road, Manchester, 13 (*see also* p. 395). Established 1902. The object of the Press is to publish works of learning and research in all branches of knowledge, but more general publishing is also undertaken. All official Calendars, Prospectuses, etc.; of the University are also issued by the Press. Further information may be obtained from the Secretary.

## THE YEAR 1951–52

Prof. Sir John Stopford reapptd. as Vice-Chancellor and Prof. of Exper. Neurol. for further period of 3 yrs. from Sept. 30, 1953.

BENEFACTIONS. D.S.I.R. and Nuffield Foundation together, £289,200 for erection of fully steerable paraboloid at Jodrell Bank; Henry Simon (Holdings) Ltd., £10,000 payable over 7 yrs. for Phys. dept.; Ferranti Ltd., equipment valued at £6160 for High-Voltage Lab. in new Electr. Engin. Bldg.; Rockefeller Foundation, $12,000 for res. under Prof. Polanyi; under will of Mrs. Margrieta J. Beer, £5000 and residual estate; D.S.I.R., radio-astronomy equipment used at Festival of Britain and valued at over £3000; Mr. and Mrs. H. D. McAlpine, trust with income of £750 p.a. for res. in Education of the Deaf; under wills of Mr. and Mrs. J. E. Robinson, £3000 for endowment of scholp. for med. students; Natnl. Res. Developt. Corp., £3300 p.a. for 3 yrs. to provide materials and staff salaries for Computing Machine Lab.; Med. Res. Council, £3580 for res. in Educn. of the Deaf; Agric. Res. Council, £2500 p.a. for 5 yrs. for Cytogenetical investigations on soft fruits; under will of Miss Mary E. Bowtell, £1000 for chemical res.; under will of Dr. Catherine E. Chisholm, £1000 for entrance scholp. and residual bequest for dept. of Child Health; under will of Mrs. Ellen Ludlam, 2 residual bequests, for a scholp. in medical res. and for cancer res.

NEW BUILDINGS. Clin. Scis. bldg. completed, also new bldg. for depts. of Archit. and Town and Country Planning; work continued on Electr. Engin. bldg. and extension of Arts bldg.

NEW POSTS. Prof. of Mathematical Analysis; Lectr. in Biochem. in Dept. of Occupational Health; Asst. Lectr. in Clin. Psychol. in Dept. of Psychiatry.

PRINCIPAL CHANGES IN REGULATIONS. Revision of regns. for Hons. Sch. of Hist. to enable students to offer either Anc. and Mediæv. or Mediæv. and Mod. Hist. for Final examn. instead of all 3 periods; intro. of 4-yr. course for degree of B.Sc. with Hons. in Pharmacy; intro. of courses in New Testament Texts in Coptic for B.D. degree.

ADULT EDUCATION WORK. In collab. with W.E.A., Extra-Mural dept. held 53 Tutorial classes, 86 sessional and 20 shorter courses; total number of students: 2399. 77 extension courses given, 48 public lectures and 62 lectures in sec. schs. 38 residential courses were given at Holly Royde. 197 attended Summer School at Bangor.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J.-J. Chevallier, Paris, the Bretey Memorial Lecture; Prof. Prigogine, Brussels; Prof. P. Renucci, Stras.; Dr. H. K. Newburn, Oregon; Profs. R. B. Brode, Calif., and W. C. Eaton, Lexington, Kentucky, and Assoc. Profs. W. Leveque and R. D. Sard, Wash., St. Louis, under Fulbright Scheme; M. Brown, A.N.U.; Dr. J. Wendell Macleod, Sask.; Dr. M. V. Kesava Rao, Coll. of Engin., Trivandrum; Prof. A. B. Haleem, Karachi.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Lovell, Glas. (David Elder Lecture), Belf. (Norman Lockyer Lecture), Oxon. (Bryce Memorial Lecture); Sir Lewis Namier, Oxon., Romanes Lecture; Prof. Charlton, Aix-en-Provence, Toulouse and Montpellier; Prof. Peacock, Tübingen, Mainz, Kiel and Hamburg; Prof. Rowley, Copenhagen, Aarhus, Lund, Louvain, Nijmegen, various Univs. in U.S.A. and Canada; Prof. Wortley, Basle, Neuchâtel, Fribourg; C. W. Dugmore, Stras.

RESIGNATIONS. Miss Frances Collier (Social Admin.), owing to ill-health; Dr. J. S. Roskell (Hist.), apptd. Prof. of Mediæv. Hist., Nott. U.; Dr. H. F.

Atkinson (Prosthetic Lab. Technique), apptd. Prof. of Dent. Prosthesis, Melb. U.; Dr. J. G. Wilson (Phys.), apptd. Prof. of Phys., Leeds U.; Dr. H. Street (Law), apptd. Prof. of Law, Nott. U.; Dr. W. A. Mair (Fluid Motion), apptd. Francis Mond Prof. of Aeronautical Engin., Camb. U.; Dr. H. C. Longuet-Higgins (Theoret. Chem.), apptd. to Univ. Chair of Theoret. Phys., King's C., Lond. U.; Dr. R. Niklaus, apptd. to Chair of French, Exeter U.C.; Dr. M. M. Szwarc (Chem.), apptd. Prof. of Polymer and Physical Chem. at N.Y. State U., Syracuse; Dr. Edna M. Lind (Bot.; Warden of Ashburne Hall), apptd. Reader in Bot., Makerere U.C.; J. Higham.

DEATHS. Prof. H. S. Raper (Chem. Physiol.; Dean of Med. Sch. since 1946); Dr. J. C. E. Simpson (Org. Chem.); Dr. Annie M. Hain (formerly Obstet. and Gynæcol.); J. Winterbottom (formerly Textile Industries); Lord Lindsay of Birker (formerly Philos.); Rev. Dr. E. W. Hirst (formerly Christian Ethics); Dr. J. Wharton (formerly Ophthalmol.); Dr. L. Kilroe (formerly Med. Ethics); D. Brunton (formerly Hist.); Prof. I. D. O. Arnold (formerly French); Prof. W. J. Entwistle (formerly Spanish); H. M. McKechnie (former Sec. of Univ. Press); Dr. Catherine Chisholm (formerly Child Health); Dr. S. Hodgson (formerly Forensic Med.); Rev. Dr. A. J. Grieve (formerly Theol. and Principal of Lancs. Independent Coll.); Dr. H. T. Ashby (formerly Child Health).

HONORARY DEGREES. *LL.D.*—Sir Henry Clay (formerly Prof. of Pol. Econ., Manc. U., and Warden of Nuffield Coll., Oxford); Sir William Walker, member of British Electricity Authority and former Lord Mayor of Manchester; *D.Sc.*—Dr. W. L. Balls, formerly Dir. of Res., Fine Spinners and Doublers Assocn.; Prof. A. von Muralt, Prof. of Physiol., Berne U.; Sir Henry Tizard, Chairman of Advisory Council on Scientific Policy and Defence Res. Policy Cttee. *M.A.*—Doris Bailey, Headmistress of Queen Mary Sch., Lytham; J. Spalding, Headmaster of Royal Residential Schs. for the Deaf, Manchester; Rev. H. G. Fiddick, former Supt. of Central Hall, Oldham St., Manchester, and Sec. of Churches Planning Cttee.; G. F. Hall, Dir. of Educn. for Blackburn; Alderman A. Moss, Chairman of Town Hall Cttee. of Manchester City Council and former member of Educn. Cttee.; J. Rothwell, Chairman of Salford Educn. Cttee.

STUDENT NUMBERS (incl. Fac. of Technology).

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 667 | 3736 |
| Women | 107 | 1105 |
| Total | 774 | 4841 |

Postgraduate, 939.

New admissions, 1423.

Students (full-time) from other countries, 362. (Countries from which largest numbers came: India, 48; Egypt, 46; Norway, 20; Australia, 18; Thailand, 17; Greece, 16; U.S.A., 16.)

DEGREES AWARDED. *Arts*: B.A., 335; B.A. (Theol.), 12; M.A., 35. *Economic and Social Studies*: B.A. (Econ.), 20; B.A. (Com.), 27.; B.A. (Admin.), 43; M.A. (Econ.), 1; M.A. (Com.), 1; M.A. (Admin.), 1. *Educn.*: M.Ed., 11. *Law*: LL.B., 45; LL.M., 2. *Med.*: M.B., Ch.B., 99; B.D.S., 14;

M.D., 6. *Music*: Mus.B., 5. *Sci.*: B.Sc., 342; M.Sc., 50; D.Sc., 4. *Technol.*: B.Sc. Tech., 192; M.Sc. Tech., 23. *Theol.*: B.D., 6. Ph.D. (all Facs.): 77.

DIPLOMAS AND CERTIFICATES AWARDED. (*a*) *Diplomas—Arts*: Archit., 23; Town and Country Planning, 9. *Economic and Social Studies*: Social Study, 2; *Educn.*: Teachers', 166; Educational Psychol., 7. *Law*: Internat. Law, 2. *Med.*: L.D.S., 22; Psychological Med., 3. *Sci.*: Bacteriol., 8; Statistics, 2. *Technol.*: Chem. Engin., 3.

(*b*) *Certificates—Arts*: Town and Country Planning, 12. *Educn.*: Teachers', 12; Educn. of the Deaf, 59. *Med.*: Psychiatric Social Workers, 11. *Technol.*: Industrl. Admin., 7. *Theol.*: Biblical Knowledge, 16; Theol., 6.

[*Information compiled as at* 16/6/53;
*Staff list revised on* 8/10/53.]

# UNIVERSITY OF NOTTINGHAM *

Founded 1948

*Postal Address*: University Park, Nottingham, England.
*Telegrams*: University, Nottingham.
*Telephone*: Beeston 54265.

VISITOR—H.M. THE QUEEN.

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.

PRESIDENT OF COUNCIL—J. W. F. HILL, M.A., LL.M., Litt.D. Camb.

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*Agriculture*, etc., v. *infra*

*Botany*, v. also Agric.

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Holden, H. S., D.Sc. Manc., F.L.S. (Palæobot.) Hon. Reader.

Lecturers

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Turner, Mrs. Myfanwy, M.Sc. Wales, F.L.S.

Weatherley, P. E., M.A., D.Phil. Oxon.

Assistant Lecturer

Pugh, G. J. F., B.Sc. Wales.

2 Demrs.

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Addison, C. C., D.Sc., Ph.D. Durh., F.R.I.C., F.I.P. (Inorg. C.) Reader.

Jordan, D. O., Ph.D., D.Sc. Lond., F.R.I.C. (Phys. C.) Reader.

Laxton, F. C., T.D., B.Sc. Lond. Sr. Lectr.

Lecturers

Shaw, B. D., M.M., T.D., B.Sc., Ph.D. Lond.

Roberts, J. C., B.Pharm., B.Sc., Ph.D. Lond.

Partridge, M. W., B.Pharm., B.Sc., Ph.D. Lond.

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.

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Booth, H., M.A. Camb.
Timmons, C. J., B.Sc., Ph.D. Lond.
5 Demrs.

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Thompson, E. A., M.A., B.Litt. Dub. Dean, Fac. of Arts, Prof.

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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. 409

*Economics*
Tew, J. H. B., B.Sc. (Econ.) Lond., Ph.D. Camb. Prof.
Chambers, J. D., B.A., Ph.D. Lond. (Economic and Social Hist.) Reader.

Lecturers
Gabor, A., B.Sc. (Econ.) Lond.
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Mitchell, Joan E., M.A. Oxon.

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Ashton, R., B.A. Lond.
Coats, A. W., B.Sc. (Econ.) Lond., Ph.D. Johns H.
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Sumner, W. L., B.Sc. Lond., Ph.D., F.L.S.
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Markland, E., B.Sc. Manc., Ph.D.
McKay, D., B.Sc. Leeds Asst. Lectr.

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Parry, J. V., M.Eng. Liv.
Newsome, J. P., B.Sc. (Eng.) Lond. Asst. Lectr.

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Fessler, H., B.Sc. (Eng.) Lond.
Ellington, J. P., B.Sc. Durh.
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Boulton, J. T., B.A. Durh., B.Litt. Oxon.

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Smith, Sheila M., B.A. Lond.
Rodway, A. E., M.A. Camb., Ph.D.

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Jolivet, P. A., L. ès L., D. de l'U. Paris.

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Johnston, W. B., M A. N.Z. Asst. Lectr.

1 Demr.

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Henson, F. A., B.Sc., Ph.D. R'dg., F.G.S., F.R.Met.S.
Honeyman, A. M., B.Sc. Glas.

1 Demr.

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Smith, N. H., M.A. Oxon. Lectr.
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Holt, J. C., M.A., D.Phil. Oxon.
Woodward, G. W. O., B.A. Dub. Asst. Lectr.
Grenville, J. A. S., B.A. Lond. Asst. Lectr.

*Horticulture*, v. *infra*

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Watson, J. M. R., B.Sc. Glas.
Cummings, A. D., M.Sc. Lond., Ph.D., F.I.F.
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Watson, Gertrude M., B.Pharm. Lond.
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Phillips, J. H., M.C., B.Sc.
Tredgold, R. H., B.Sc.
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Wells, F. A., B.Sc. (Econ.), Ph.D. Lond. (App. Econs.) Reader.

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Varley, D. E., M.A. Camb.

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Morell, A. L., F.C.A. (Accounting).

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Russell-Gebbett, P. S. N., M.A. Camb. Asst. Lectr.

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Hitchman, P. J., B.A. Lond.

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Hanson, Rev. R. P. C., B.A., D.D. Dub. Lectr.
King, Rev. N. Q., M.A. Oxon. Lectr.

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Morris, B., B.Sc. Wales.
Clarke, K. U., B.Sc. Lond.

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Morris, R., B.Sc. Lond.

**Agriculture and Horticulture**

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Prof. and Dir. of Sch.
Grant, H. T., B.Sc. Glas. Lectr.
Ivins, J. D., B.Sc. R'dg., M.Sc. (Agric.) Lectr.
Lamming, G. E., B.Sc. (Agric.) Lond., M.S. Ill. Lectr.
McDermott, Mrs. Norah, M.B.E., M.Sc. (Agric.) Potato Res.
2 Demrs.

*Agric. Botany*

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.
1 Demr.

*Agric. Chemistry*

Hallsworth, E. G., B.Sc., Ph.D. Leeds
Dean, Fac. of Agric. & Hort., Prof.
Burns, A. C., M.Sc. Manc., F.R.I.C. Lectr.
Ling, E. R., M.Sc. Lond., Ph.D., F.R.I.C. Lectr.
Crawford, D. V., M.A., B.Sc. Oxon. Lectr.
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Provincial Agric. Economist and Hd. of Dept.
Jones, R. B., M.Sc. Wales
Sr. Agric. Economist.
Mejer, E., M.Sc. Vilna, M.Sc.Agric.
Sr. Agric. Economist.

Agricultural Economists
Wood, R. O., M.Sc. Lond.
Dexter, K., B.Sc. (Agric.) Lond. M.S. Ill.
Senior, W. S., B.Sc. (Agric.) Leeds.

Asst. Agric. Economists
Richardson, Prudence P., B.Sc. (Econ.) Lond.
Hunt, R. W. T., B.Com. Liv.
Ingersent, K. A., B.Sc. Aberd., M.S. Minn.
Mortimer, R. G., B.Sc. Wales.
Gardner, D. A., B.A. Dub.

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*Agric. Geology*, v. Geology, *supra*

*Agric. Microbiology*
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Dickinson, Anne B., B Sc. Durh. Asst. Lectr.
1 Demr.

*Agric. Zoology*, v. also Zoology, *supra*
Kevan, D. K. McE., B.Sc. Edin. Lectr.
Taylor, C. E., B.Sc. Wales Lectr.
1 Demr.

*Building Construction, etc.*
Maguire, O. D. Lectr.

*Dairying*
Scott, R., B.Sc.
Lectr. and Hd. of Section.
James, D. E. R., B.Sc. R'dg.
Asst. Lectr.
2 Demrs.

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Marston, Margaret E., B.Sc. Lond., M.Sc. (Hort.) Lectr.
Heydecker, W., B.Sc. R'dg. Lectr.
Dullforce, Winifred M. Asst. Lectr.
1 Demr.

*Poultry Husbandry*
Shaw, R. B.
Lectr. and Hd. of Section.
Nightall, E. W. Lectr.
2 Demrs.

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Buxton, J. C., B.Sc., Ph.D. Hon. Lectr.
Brooksbank, N. H., B.Sc. Lond. Hon. Lectr.
Ford, Connie M. Hon. Lectr.
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Gray, P. H., M.A. Lond. (Philos.).
Simpson, S. J., B.Sc. (Econ.) Lond. (Economic Hist.).

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Champion, A., M.A. Camb. (Holland).
Fordham, P. E., B.A. Leeds (Holland).
Smith, A. E., M.A. Leeds (Lindsey).
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Rossell, P. E., B.A. Sheff.

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Diack, H., M.A. Aberd. Tutor.
Holland, Louisa Tutor.

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ACCOMMODATION OFFICER. D. C. Singleton.

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The Univ. originated in the Adult School established in 1798, the Mechanics' Institute and the People's College, developments leading to the Univ. Extension Lectures inaugurated in Nottingham in 1873—the first in the country—by the Univ. of Cambridge. An anon. gift of £10,000 in 1875, encouraged the Corporation of Nottingham to erect a bldg., maintain it, and supply instruc. The bldg., in Shakespeare St., was opened in 1881 as the University Coll., Nottingham, incorporated by Royal Charter in 1903. There were at first 4 professorships (Lit., Phys., Chem., Natural Sci.); by 1903 3 new depts. were added; 7 further depts. achieved independent entity by 1914.

A large estate some 3 miles W. of Nottingham, and new buildings completed in 1928, were provided by the late Lord Trent, giving room for expansion. In 1938 a supplemental Charter reconstituted the governing body, providing for much wider representation. The Coll. was relieved in 1945 of responsibility for evening and part-time education in the area; in 1947 the Midland Agricultural Coll. at Sutton Bonington became the Coll. Sch. of Agric., and an Inst. of Education was founded. Between 1945 and 1949, 5 new depts. and 6 new professorships were established. Since 1948, when the Univ. Charter was granted, 140 acres have been purchased, bringing the site to a total of 260 acres, and new bldgs., including a Hall of Residence, have been erected.

INCOME (1951–52). Total income, £453,040. Percentages derived from principal sources: Parliamentary grants, 60·6 per cent.; fees, 20·1 per cent.; local authority grants, 16·1 per cent.; endowments, donations and subscriptions, 2 per cent.; other income, 1·2 per cent.

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*and Hort.*, Prof. E. G. Hallsworth (Agric. Chem.); *Applied Science*, Prof. F. B. Hinsley (Mining); Board of Studies in *Law and Social Science*, Prof. W. J. H. Sprott (Philos.).

*The School of Agriculture*, comprising the Faculty of Agric. and Hort., is located ten miles from the University, between Nottingham, Derby and Loughborough. *Postal Address*: The Univ. of Nottm. School of Agriculture, Sutton Bonington, Loughborough. (*Telephone*: Kegworth 386.)

LIBRARY. The Library contains about 133,000 vols. and 49,000 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 6000 vols.

MUSEUMS. Archæological, houses the Margidunum Collection (made by Dr. Felix Oswald) of Roman pottery. Geological. Also scientific collections in various labs. and objects of historical interest distributed about the Univ. bldgs. Curator: H. H. Swinnerton, D.Sc., Prof. Emeritus (Geol.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. Pass degree of B.Mus., 3 yrs.; pass degrees of B.Pharm., B.Sc. in Agric., Hort. or Dairying, B.Sc. (Eng.), B.Sc. (Min.)—4 yrs.; Hons. degrees, B.Sc. in Fac. of Pure Sci., B.Pharm., B.Sc. in Fac. of Agric. and Hort., 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 General Certif. of Educn. Examn. or in a recognized equivalent examn., but in the B.A. there is no Inter. course and no exemptions are granted. The minimum residence in the Univ. for graduation is 3 yrs. (under certain conditions grads. of other Univs., 2 yrs.). Students in Fac. of Agric. and Hort. may in last yr. of course read for Hons. in Agric., Agric. Chem., Agric. Bot., Agric. Zool., Agric. Microbiol., or Hort. 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. 24. M.A., B.D., LL.M., M.Pharm., M.Sc., 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., and on graduates of approved Univs. after at least 2 yrs.; also conferred on non-graduates under certain conditions, after advanced work extending over at least 4 yrs. M.Sc. in Mycology—awarded on an examn. taken after an advanced course of at least 1 yr.'s duration. M.Ed.—may be conferred after at least 2 yrs. (pt.-time) of advanced work, upon graduates of approved Univs. who have at least 2 yrs.' experience of work in Educn.; after a course of normally at least 4 yrs.' duration, on non-graduates with approved qualifications in the field of Educn. and at least 2 yrs.' experience of work in this field.

DIPLOMAS. Diploma in English Studies for Overseas Students—1 yr.; candidates must have qualifications comparable with those of a British graduate or be in possession of the Univ.'s Certif. in English Studies or equiv. qualification; Adult Educn., 1 yr. postgraduate.

CERTIFICATES. Certificate in English Studies for Overseas Students, 1 yr.; Social Studies (graduates of approved Univs., 1 yr.; non-graduates over 21 yrs. of age, 2 yrs.); Theological and Social Studies, 3 yrs. (awarded in conjunction with Paton Congregational Coll.); Youth Leadership, 1 yr. for graduates, qualified teachers or holders of Social Science Certs.; Educn., 1 yr. postgraduate; Fuel Technol., 3 yrs. (1 yr. for graduates in Engin., Mining, Chem. and Physics of British and other approved Univs.).

The Certif. in Fuel Technol. is recognized by the Institute of Fuels as exempting the holder from Part " B " of the examn. for the Associate Membership of the Institute. Courses are also given at the Univ. for the examns. of the Pharmaceutical Society.

FEES. Matriculation, £1 : 1s.; Registration, £1 : 1s. *Tuition*: B.A., B.Mus. (3 yrs.), £94 : 10s.; LL.B. (3 yrs.), £75 : 12s.; B.Sc. (except in Maths. and Geog.), B.Pharm. (4 yrs.), £151 : 4s.; B.Sc. in Maths. (4 yrs.), £138 : 12s.; B.Sc. in Geog. (4 yrs.), £144 : 18s.; B.Sc. in Fac. of Agric. and Hort., B.Sc. (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., LL.B., B.Mus., £9 : 9s.; B.Sc., B.Pharm., B.Sc. (Eng.), B.Sc. (Min.), £12 : 12s.; Ph.D., £10 : 10s. *Graduation*: Bachelor's Degree, £5; Ph.D., £7.

ACADEMIC YEAR. Oct. to June; 3 terms of 10 weeks each.

UNIVERSITY EXTENSION. The Director of Extra-Mural Studies is Hd. of the Dept. of Extra-Mural Studies, and is assisted by a Deputy Director, 16 full-time members of staff and many pt.-time tutors and lecturers. *Postal Address*: Univ. of Nottingham Adult Educn. Centre, 14 Shakespeare St., Nottingham. (*Telephone*: Nottingham 43022.) Lenton Hurst, in grounds adjoining Univ. Park, has been established as a residential College for Adult students. The Dept. is also responsible for Pilgrim Coll., a non-residential Adult Coll. in Boston, Lincs. (Warden: A. Champion, M.A. Camb.)

PRINCIPAL OPEN AWARDS (SCHOLARSHIPS AND EXHIBITIONS) offered to students entering the Univ. to read for a first degree: 5 Foundation Scholps. (£80 p.a.); 5 Exhibitions (£50 p.a.); 1 Nottm. Co-operative Soc. Scholp. (£50 p.a.).

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

CAREERS AND APPOINTMENTS BOARD. (For Secretary *see* " Administrative and other Staff," p. 410.) The Board gives advice on careers and assists students to obtain posts on completion of their studies, and temporary employment during Univ. vacations.

GRADUATES' ASSOCIATIONS. *Convocation* consists of all graduates of the Univ., together with Officers and the academic staff. Its privileges include nominating representatives on Court and Council, and entering into communication with Court, Council or Senate on any matter affecting the Univ. *The Association of Past Students* has the aim of maintaining social contact between past students of the Univ. College, Nottingham, and of the Univ. All past registered day students of the Univ. Coll. and all past students of the Univ. are eligible for membership.

INSTITUTE OF EDUCATION, Redcourt, Derby Rd., Nottingham. (*Telephone*: Beeston 55591.) The Institute is responsible for approving courses and examining students preparing to become teachers, youth leaders and tutors in adult educn. It also provides a variety of services for those engaged in educn. in the area. The constituent colls. of the Inst. are the Derby, Kesteven, Lincoln, Loughborough, Matlock and Nottinghamshire County Training Colls.

RESIDENCE. (For names of Wardens *see* "Administrative and other Staff," p. 410.) For men: Hugh Stewart Hall (*Telephone*: Beeston 54452)—172 students, and Wortley Hall (*Telephone*: Nottm. 75600)—60 students, adjoining Univ. Park. For women: Florence Boot Hall (*Telephone*: Beeston 54536)—110 students, in Univ. Park, with annexe Lenton Eaves, 20 students; Florence Nightingale Hall (*Telephone*: Beeston 56414)—143 students, with annexe Lenton Fields—20 students, adjoining Univ. Park. At the School of Agriculture, Sutton Bonington, there are Halls accommodating 110 men and 70 women. Fees in all Halls are £120 p.a. for single study bedrooms and £110 p.a. for shared study bedrooms, but the fees are subject to review at any time. Students not in Halls or at home must live in Univ. registered lodgings.

UNIVERSITY MILITARY AND AIR FORMATIONS. The University Training Corps (T.A.) comprises sub-units of Infantry, Signals, Engineers, Intelligence Corps and R.E.M.E. Cadets enlist for 2, 3 or 4 yrs.; pay, allowances and uniform are on normal T.A. scales. Women undergraduates may become members of the W.R.A.C. (T.A.) Sub-Unit with similar conditions of service and privileges to those of men cadets in the U.T.C. The University Air Squadron is in the Home Command of the R.A.F. Members sign on in the R.A.F. Volunteer Reserve, and receive flying training, with pay and allowances for training time and an annual grant of £35.

STUDENT ATHLETIC FACILITIES. The Univ. Playing Fields, nearly 40 acres in extent, adjoin Univ. Park, and provide for Rugby and Association football, hockey, cricket, net-ball and tennis. There is a boat-house at Trent Bridge. Badminton, basket-ball, fencing and table tennis are played in the indoor sports centre in Univ. Park. There is an indoor range attached to the U.T.C.

STUDENTS' UNION. There is a Union of Students for the promotion of corporate feeling and the general interest of students and to afford a recognized channel of communication between students and the Univ. authorities. All full-time students become members.

PUBLICATIONS. *Calendar*—10s., annually in Oct.; *Gazette* (once a term); *Annual Report* (Dec.); *Faculty and Departmental Prospectuses*—1s. 6d., annually (Sept.); *Scholarships, Fellowships and Prizes*—1s., annually; *Courses in English Studies for Overseas Students, Regulations for Higher Degrees, General Regulations and Information for Students*—annually. *Regulations for Matriculation and Faculty Admission Requirements.* The *Bulletin* of the Institute of Education—1s. 6d. for 3 issues, published once a term. Students' Magazines: *The Gong*—1s., once a term; *Survey*—9d., once a term; *Union Handbook*—annually. *The History of the University College, Nottingham*, by Edith M. Becket, 1928 (Henry B. Saxton) (o.p.); *The History of the University College, Nottingham*, by A. C. Wood, 1954 (B. H. Blackwell, Ltd.).—15s.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Late W. B. Kilby, £4000 for scholp.; Natl. Coal Bd., E.M. Div., £3000 annually for 5 yrs. for addtl. res. facilities in Mining and Fuels; Shell Petroleum Co. Ltd., £500 p.a. for res. fellowship in Engin.

NEW BUILDINGS. Adult Educn. Centre, Boat-House and Engin. Bldg. extension completed.

PRINCIPAL CHANGES IN REGULATIONS. Pass degrees of B.Sc. (Agric.) and B.Sc. (Hortic.), obtained after 2 yrs. of Final study, discontinued. All students for B.Sc. in Fac. of Agric. and Hortic. will follow a common course during

their first 2 yrs. of post-Inter. study, and in their 3rd yr. will divide into Hons. and Pass degree courses; pass degrees in Agric., Dairying and Hortic., and Hons. degrees in Agric., Agric. Chem., Agric. Bot., Agric. Microbiol., Agric. Zool. and Hortic.

ADULT EDUCATION WORK. No. of courses: 248, including 55 3-yr. tutorial classes, 104 sessional classes, 48 shorter courses, and 26 short courses. Total no. of class meetings: 4396; total no. of individual students registered: 3033.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. E. Giffen, Lond., "The Atomization of Fuel Sprays"; Prof. C. Day Lewis, Oxon., "The Grand Manner"; Prof. W. L. Burn, Durh., "Policy and Opinion in Imperial Affairs"; Prof. P. Tillich, N.Y., "Love, Power and Justice"; Prof. I. Richmond, Durh., "The Country House in Roman Britain"; Prof. W. D. Wright, Lond., "Colour Vision and its Peculiarities"; Prof. N. B. L. Pevsner, Camb., "Nottinghamshire Churches"; Prof. W. Beare, Brist., "The Staging of Greek Plays"; C. E. Stevens, Oxon., "The Theodosian Code"; Prof. E. Turner, Lond., "Life and Letters at Oxyrrhynchus"; Prof. D. Stauffer, Prin., "A Poem of Yeats"; R. G. Howarth, Syd., "The Tragedies of John Webster"; Prof. A. R. Humphreys, Leicester, "Eighteenth Century Gothic"; Prof. G. Bullough, Lond., "Modern English Poetry and Painting"; Dr. F. Braun, Kiel, "Linguistic Geography"; Rev. E. W. Kemp, Oxon., "The Convocation of Canterbury in the Middle Ages"; Prof. N. Ferre, Vanderbilt, "Towards an Ethical Eschatology"; Prof. C. A. Coulson, Oxon.; Prof. V. A. Demant, Oxon.; Prof. T. E. Jessop, Hull; A. Rodger, Lond., "Industrial Psychology"; Prof. W. M. O'Neil, Syd., "Applied Psychology in Australia"; Prof. G. L. S. Shackle, Liv., "Finance and the Size of the Firm"; W. Hagenbuch, Camb., "The Monopolies Commission"; Dr. T. Wilson, Oxon., "Inflation"; Prof. W. A. Lewis, Manc., "The Economic Development of the Undeveloped Countries"; Prof. E. Devons, Manc., "Economic Theory and Economic Policy"; T. W. Hutchison, Lond., "Some Early Theories of Effective Demand"; G. D. N. Worswick, Oxon., "The Redistribution of Income in the Post-War Period"; Prof. F. W. Paish, Lond., "The Present Economic Position"; Prof. J. R. Hicks, Oxon., "The Theory of Demand and the Theory of Welfare"; Prof. H. J. Habakkuk, Oxon., "The Eighteenth Century Aristocracy"; Dr. H. Mannheim, Lond., "Criminology"; Prof. B. Wootton, Lond., "Scientific Methods applied to Social Administration"; Mrs. G. Williams, Lond., "Economic Problems of the Social Welfare State"; C. J. Hamson, Camb., "The Jury Trial in English Law"; Prof. E. J. R. Eaglesham, Durh., "The Theory of Activity Methods in Education"; P. Sherlock, W. Indies; Prof. M. de Souza, Brazil; G. Sargent, Cape T.; Prof. Cowley, Calif.; R. A. Swaby, W. Indies; Dr. F. Smithies, Camb., "History of Mathematic Rigour"; Prof. M. H. A. Newman, Manc., "Curves"; Prof. J. H. C. Whitehead, Oxon., "Foundations of Geometry"; Prof. J. M. Whittaker, Liv., "A Mathematician in War-time"; Prof. R. A. Rankin, Birm., "The Distribution of Prime Numbers"; Prof. A. G. Walker, Sheff., "Differential Geometry"; Prof. S. Chapman, Oxon., "Some Problems of the Upper Atmosphere"; Prof. W. Sucksmith, Sheff., "The Law of Corresponding Magnetic States"; Dr. N. Kurti, Oxon., "Low Temperature Physics"; Prof. E. L. Hirst, Edin., "Some Problems concerning the Synthesis of Carbohydrates in Plants"; Prof. C. E. H. Bawn, Liv., "Reactions in Hydrocarbon Radicals"; Prof. L. Hunter, Leicester, "La Liaison d'Hydrogène"; Prof. H. D. Springall, N. Staffs., "The Analytical Chemistry of Proteins and Amino Acids"; Prof. S. Peat, Bangor, "Starch Metabolism in the Higher Plants"; Prof. L. Hawkes, Lond., "Geological Aspects of Ice-

land"; Prof. S. H. Beaver, N. Staffs., "The Applications of Geology to Planning"; Prof. G. B. Cressey, N.Y., "Asia's Lands and Peoples"; W. P. Packard, Lond., "Himalayan Journey, 1950"; W. D. Fryer, Malaya, "Singapore and Malaya"; Dr. O. Scoville, U.S.A.; Prof. C. Malone, U.S.A.; G. Vasey, Melb.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Vice-Chancellor (B. L. Hallward), Univs. in U.S.A.; Prof. L. F. Bates, Maryland U. and other Univs. in U.S.A.; W. Woodruff, Ill.; Prof. V. de Sola Pinto, Leicester, "John Wilmot, Earl of Rochester," Camb., "The Nottingham School of English Studies"; Dr. D. S. R. Welland, King's Coll., Newcastle upon Tyne, "The Poetry of Wilfred Owen"; G. L. Stagg, Birm. and Liv., "Cervantes at Work"; M. O'C. Walshe, Kiel, Aarhus and Copenhagen, "Der Ackermann aus Bohmen" and "Schiller und Grossbritannien"; Prof. J. Marsh, Manc., "The Exodus in the Biblical Tradition"; Prof. W. J. H. Sprott, Birm.; Prof. B. Tew, Lond., "The Finance of Investment"; I. L. Gowan, Manc., "Local Government Committee System"; Dr. E. W. J. Kerridge, Christ Church, Oxford, "Rent Movement and Landownership in the 16th and 17th centuries"; I. F. Pearce, Birm., "The Theory of the Firm"; Prof. H. R. Pitt, Sheff., "Random Functions," Birm., "Integro-differential Equations"; Prof. L. F. Bates, Leicester, "Fundamental Experiments on Ferromagnetic Domains," Sorbonne, "Les Domaines Ferromagnétiques," Durh., "Recent Work on the Domain Concept in Ferromagnetism," Lond., "Magnetism"; Prof. F. E. King, Manc., "The Chemistry of Compounds Extracted from Resistant Timbers"; Prof. W. D. Evans, Cardiff, "Coal Miners' Pneumokoniosis"; Prof. K. C. Edwards, Brist., Liv., Sheff., "Geographical Aspects of New Zealand," Durh., "Geographical Aspects of the Benelux Union"; Dr. G. Joan Fuller, Birm., "Field Work in the Alps of Valais."

RETIREMENTS. Prof. J. Lavrin (Russian); Nina M. Brameld (Hist.); J. G. W. Stafford (Dairying).

RESIGNATIONS. Prof. F. R. Crane (Law), apptd. to Chair of English Law, King's Coll., Lond.; M. O'C. Walshe (German), apptd. Reader in German, Bedford Coll., Lond.; Mrs. J. Townley (French); A. Lloyd (Educn.), apptd. to Chair of Educn., Natal U.; K. F. Urwin (Adult Educn.); W. J. Skiba (Geol.), apptd. Sr. Geologist in Fiji, H.M. Colonial Survey; C. S. Bayes (Sub-Librarian).

DEATHS. Florence, Lady Trent; J. E. Shimeld (Registrar, 1915–38); W. S. Rothera (Sec., E. M. Law Sch., 1923–46); Emer. Prof. L. V. D. Owen (Prof. of Hist., 1920–51); W. E. Heath (Reader and Hd. of Dept. of Agric. Econ.); J. E. Housman (Lectr. in Engl. Med. Lit.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 125 | 1459 |
| Women | 13 | 596 |
| Total | 138 | 2055 |

Postgraduate students, 162.
New admissions, 699.
Students (full-time) from other countries, 89. (Countries from which

largest numbers came: Federation of Malaya, 14; British W. Africa, 11; Thailand, 10; U.S.A., 7; Egypt, 6; Germany, 6.)

DEGREES AWARDED. *Agric. and Hortic.*: B.Sc. (Agric.), 32; B.Sc. (Hort.), 16; Ph.D., 1. *Appl. Sci.*: B.Sc. (Eng.), 58; M.Sc. (Eng.), 1; B.Sc. (Min.), 9; M.Sc. (Min.), 1; Ph.D., 3. *Arts*: B.A. (Admin.), 2; B.A., 189; M.A., 3; LL.B., 10; B.Mus., 1; Ph.D., 3. *Educn.*: M.Ed., 3. *Pure Sci.*: B.Pharm., 7; M.Pharm., 1; B.Sc., 154; M.Sc., 12; Ph.D., 21. *Total number of first degrees awarded*, 478.

DIPLOMAS AND CERTIFICATES AWARDED. Dip. Engl. Studies for Overseas Students, 2; Dip. Dairying, 24; Dip. Hort., 17; Dip. Poultry Husbandry, 9; Cert. Engl. Studies for Overseas Students, 5; Cert. Soc. Studies, 16; Cert. Theol. and Soc. Studies, 4; Cert. Child Service, 14; Cert. Educn., 105; Cert. Youth Leadership, 11; Cert. Fuel Technol., 1.

OTHER DEVELOPMENTS. Purchase of two properties, Lenton Mount and Lenton Grove, with land totalling 23 acres, adjoining Univ. grounds. Bldg. of Tutors' houses on Univ. site nr. Halls of Residence.

[*Information compiled as at* 17/6/53;
*Staff list revised on* 15/10/53.]

# UNIVERSITY OF OXFORD*

Founded in the 12th Century

*Telephone* (Registry): Oxford 48491.

CHANCELLOR—The Rt. Hon. THE EARL OF HALIFAX, K.G., O.M. G.C.S.I., G.C.I.E., LL.D. Sheff., D.C.L., Hon. Fellow of All Souls.

HIGH STEWARD—.....

VICE-CHANCELLOR—Sir MAURICE BOWRA, Comm. Lég. d'H., LL.D. Dub., Doc. honoris causa Paris, Aix-Marseille, M.A., D.Litt., F.B.A., Warden of Wadham.

PROCTORS—A. D. WOOZLEY, M.A. Qu.; C. N. WARD-PERKINS, M.A. Pemb.

ASSESSOR OF THE CHANCELLOR'S COURT—C. H. M. WALDOCK, Q.C., C.M.G., O.B.E., D.C.L. All S.

PUBLIC ORATOR—T. F. HIGHAM, M.A. Trin.

BODLEY'S LIBRARIAN—J. N. L. MYRES, M.A. Ch. Ch., F.R.Hist.S.

KEEPER OF THE ARCHIVES—W. A. PANTIN, M.A. Or., F.B.A., F.R.Hist.S.

REGISTRAR—Sir DOUGLAS VEALE, C.B.E., LL.D. Melb., M.A. C.C.C.

SECRETARY OF FACULTIES—K. C. TURPIN, 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. 435 ff.

## TEACHING STAFF

*Agriculture*, v. *infra*

*Anatomy*, v. also Zoology, Med.

Clark, W. E. Le G., D.Sc. Lond. & Durh., M.D. Melb., M.A. Hertf., F.R.C.S., F.R.S. Dr. Lee's Prof.

Weddell, A. G. M., M.D., D.Sc. Lond., M.A. Or. Reader.

Lecturers and Demonstrators

Carleton, Mrs. Alice B., B.A., M.D. N.U.I., M.A. Som. and St. Anne's.

Barer, R., M.C., M.B., B.S., B.Sc. Lond., M.A. Hertf.

Sinclair, D. C., M.A., M.D. Edin., M.A. Or.

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

Crawford, G. N. C., M.B., B.S. Lond., M.A. Exe.

*Anglo-Saxon*

Wrenn, C. L., M.A. Pemb. Rawlinson and Bosworth Prof.

*Anthropology, Physical*

Weiner, J. S., Ph.D. Lond., M.Sc. Rand., M.A. Hertf. Reader.

*Anthropology, Social,* v. also Sociology

Evans-Pritchard, E. E., Ph.D. Lond., 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

Bohannan, P. J., M.A., B.Sc., D.Phil. Qu.

Lienhardt, R. G., M.A., D.Phil. Exe.

Dumont, L. C. J., M.A. Linc.

Beattie, J. H. M., B.Litt. Linc.

*Archæol.*, v. also Orient. Langs.

Beazley, Sir J. D., Litt.D. Camb., Ph.D. Marb., D.Litt. Durh., M.A. Linc., F.B.A. (Classical A. and Art) Lincoln Prof.

Hawkes, C. F. C., M.A. Keble, F.R.A.I., F.B.A., F.S.A. (European A.) Prof.

Dunbabin, T. J., D.S.O., M.A. All S. (Classical A.) Reader.

Hamilton, R. W., M.A. Magd. (Nr. Eastern A.) Sr. Lectr.

*Gray, Dorothea H. F., O.B.E., M.A. St. Hu. (Homeric A.) Lectr.

*Art*

Waterhouse, E. K., M.B.E., A.M. Prin., M.A. Magd. (Fine Art) Slade Prof.

Horton, P. F., M.A. New Coll. (Drawing) Ruskin Master.

Pächt, O. E., Ph.D. Heidel., M.A. Or. (Med. Art) Sr. Lectr.

*Astronomy*

Plaskett, H. H., B.A. Tor., M.A. New Coll., F.R.S. Savilian Prof.

Adam, Madge G., M.A., D.Phil. St. Hu. Lectr. and Demr.

*Biochemistry*, v. also Medicine

Peters, Sir Rudolph A., M.C., M.A., M.D. Camb., M.D. Liége, M.A. Trin., F.R.C.P., F.R.S. Whitley Prof.

Carter, C. W., M.A., B.M. Qu. Reader.

Woods, D. D., Ph.D. Camb., M.A. Trin., F.R.S. (Microbiol.) Reader.

Lecturers and Demonstrators

Fisher, R. B., M.A., B.Sc., D.Phil. St. Joh.

Ogston, A. G., M.A., D.Phil. Ball.

Nimmo Smith, R. H., M.B, Ch.B. Edin., M.A., D.Phil. Univ.

O'Brien, J. R. P., M.A., B.Sc. Pemb.

Parsons, D. S., D.M. Mert.

Kent, P. W., Ph.D. Birm., M.A., D.Phil. Jes.

Elliott, W. H., Ph.D. Camb., M.A. Ch. Ch.

Butt, V. S., Ph.D. Brist., M.A. Qu. Jt. Demr. with Bot. Dept.

Sr. Res. Officer

Stocken, L. A., M.A., D.Phil. St. Cath., F.R.I.C.

Graduate Asst.

Gascoyne-Cecil, R. A. V., M.A., D.Phil. Ball.

* Common University Fund Lecturer.

M.R.C. Unit for Chemical Microbiology

Lascelles, June, D.Phil. Som.

*Botany*, v. also Agriculture

Darlington, C. D., D.Sc. Lond., M.A. Magd., F.R.S. Sherardian Prof.

Reader, Lectr. and Demr.

James, W. O., M.A., D.Phil. Or., F.R.S.

Lecturers and Demonstrators

Hoyle, A. C., M.A., B.Sc. Pemb.

Harley, J. L., M.A., D.Phil. Qu.

Burnett, J. H., M.A., D.Phil. Magd.

Clowes, F. A. L., M.A., D.Phil. Magd.

Whitehead, F. H , M.A., D.Phil. New Coll.

Butt, V. S., Ph D. Brist., M.A. Qu. Jt. Demr. with Biochem. Dept.

Warburg, E. F., Ph.D. Camb., M A. Ch. Ch. Druce Curator.

*Celtic*

Foster, I. Ll., M.A. Wales and Jes. Jesus Prof.

*Chemistry*

Robinson, Sir R., O.M., D.Sc. Durh., Liv., Lond., Manc., Wales, Sheff., Belf., Nott., Delhi, ScD. Camb., LL.D. Birm., Edin., St. And., Glas., Liv., Manc., D.Pharm. Madrid and Paris, M.A. Magd., F.R.S., F.R.I.C. Waynflete Prof.

Hinshelwood, Sir C. N., Sc.D. Dub., D.Sc. Lond., Leeds and Oxon., M.A. Exe., F.R.S. (Phys. C.) Dr. Lee's Prof.

Lecturer

Hume-Rothery, W., M.A., D.Sc. Magd., F.R.S. (Metall.).

Lecturers and Demonstrators

Plant, S. G. P., M.A., B.Sc., D.Phil. Magd. (Org. C.).

Smith, J. C., M.Sc. N.Z., Ph.D. Manc., M.A., D.Sc. New Coll. (Org. C.).

Parkes, G. D., M.A., B.Sc., D.Phil. Keb., F.R.I.C. (Org. C.).

Waters, W. A., Ph.D., Sc.D. Camb., M.A. Ball., F.R.I.C. (Org. C.).

Barltrop, J. A., M.A., B.Sc , D.Phil. B.N.C. (Org. C.).

Tomlinson, Muriel L., M.A. Camb., M.A., D.Phil. St. Hild., F.R.I.C. (Org. C.).

Polgar, N., M.A., D.Phil. St. Cath. (Org. C.).

Young, G. T., M.A., B.Sc. Birm., Ph.D. Brist., M.A. Jes. (Org. C.).

Bailey, A. S., M.A., B.Sc., D.Phil. Or. (Org. C.).

Brewer, E. M., M.B.E., M.A., B.Sc. Linc. (Inorg. C.).

Irving, H. M. N. H., M.A., D.Phil. St. Edm. H., F.R.I.C. (Inorg. C.).

Staveley, L. A. K., M.A. New Coll. (Inorg. C.).

Linnett, J. W., M.A., D.Phil. Qu. (Inorg. C.).

Woodward, L. A., D.Phil. Leipzig, M.A. 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.). Aldrichian Prælector.

Thompson, H. W., Ph.D. Berl., M.A., B.Sc. St. Joh., F.R.S. (Physical C.).

Bell, R. P., M.A. Ball., F.R.S. (Physical C.).

Sutton, L. E., M.A., D.Phil. Magd., F.R.S. (Physical C.).

Lambert, J. D., M.A. Trin. (Physical C.).

Barrow, R. F., M.A., D.Phil. Exe. (Physical C.).

Graduate Assistants

Danby, C. J., M.A., B.Sc., D.Phil. St. Joh. (Physical C.).

Goldsworthy, L. J., M.A., B.Sc. Magd. (Org. C.).

Strauss, F. B. (Org. C.).

*Classics*, v. also Archæol. and Greek and Latin Lit.

Dodds, E. R., D.Litt. Manc., M.A. Ch. Ch., F.B.A. (Greek) Reg. Prof.

Mynors, R. A. B., M.A. Camb. and C.C.C., F.B.A. (Latin) Corpus Prof.

Lecturers

Weinstock, S., M.A. Exe. (Roman Religion).

*Wells, A. F., O.B.E., M.A. Univ. (Lat. Lit.).

*Barrett, W. S., M.A. Keb. (Gk. Lit.).

Meiggs, R., M.A. Ball. (Gk. Epigraphy).

*Bolton, J. D. P., M.A. Qu.

*Dover, K. J., M.A. Ball.

*Hicken, Winifred F., M.A., D.Phil. L.M.H.

*Russell, D. A. F. M., M.A. St. Joh.

*Yorke, E. C., M.A. New Coll.

*Hartley, Mildred, M.A. Camb. and Som.

*Burton, R. W. B., M.A. Or.

*Bryan-Brown, A. N., M.A. Worc.

*Higham, T. F., M.A. Trin.

*Mervyn Jones, D., M.A. Camb., M.A. Exe.

*Colonial Administration*

Carnell, F. G., M.A., B.Litt. Exe. Lectr.

*Colonial Agriculture, Economics of*

Beckett, W. H., M.A. Camb. Sr. Lectr.

*Colonial Economic Affairs*

Frankel, S. H., M.A. Rand., Ph.D., D.Sc. (Econ.) Lond., M.A. Or. and Nuffield Prof.

*Colonial Economics*

Myint, H., M.A. Linc. Sr. Lectr.

*Colonial Government*

Robinson, K. E., M.A. Hertf. Reader.

*Criminology*

Grünhut, M., M.A. All S. Reader.

*Diplomatic*

Major, Kathleen, M.A., B.Litt. St. Hild., F.S.A., F.R.Hist.S. Reader.

*Economics*, v. also Pol. Econ.

Jewkes, J., C.B.E., M.Com. Manc., M.A. Mert. (Ec. Organization) Prof.

Harrod, H. R. F., M.A. Ch. Ch., F.B.A. (International E.) Nuffield Reader.

Lecturers

Hugh-Jones, E. M., M.A. Keble.

*Wilson, T., O.B.E., Ph.D. Lond., M.A. Univ.

*Hall, Mrs. Laura M., M.A. Som.

*Ward-Perkins, C. N., M.A. Pemb.

*Ady, Miss Peter H., M.A. St. Anne's.

*Hargreaves, E. L., M.A. Or.

*Henderson, P. D., M.A. Linc.

*Kennedy, C. M., M.A. Qu.

*Leyland, N. H., M.A. B.N.C.

*Little, I. M. D., M.A., D.Phil. Trin. and Nuff.

*Wiles, P. J. de la F., M.A. New Coll.

*Balogh, T., M.A. Ball.

*Clegg, H. A., M.A. Magd. and Nuff.

*Streeten, P. P., M.A. Mall.

*Worswick, G. D. N., M.A. Magd.

*Sargent, J. R., M.A. Worc.

*Education*

Jacks, M. L., M.A. Ball. Dir.

* C.U.F. Lecturer.

Loukes, H., M.A. Jes. Reader.

Lecturers and Tutors

Tomlinson, Leila, M.A. Som. Supervisor of Women Students.
Johnston, W. D., M.A. Dub., M.A Wadh.
Griffiths, V. L., M.A. Keb.
Goodrich, Rachel M., M.A. St. Hild.
Heafford, P. E., M.A. Univ.
Burrows, R. G., M.A. St. Pet.
Sprent, R. A. Le G., M.A Trin.
Williams, D. H. d'A., M.A. Camb.
Wilkinson, Violet, B.D. Lond. Warden of Women's Hostel.
Carpenter, P., M.A. St Edm. Hall.
Lovelock, Miriam V., M.A. Som.

*Egyptology*, v. Oriental Langs.

*Engineering Science*, v. also Surveying

Thom, A., Ph.D., D.Sc. Glas., M.A. B.N.C. Prof.
Dick, J., B.Sc. Glas., Ph.D. Sheff., M.A. New Donald Pollock Reader.
Wise, B., M.A. Camb., M.A. Trin. Lectr. and Demr.
Campbell, J. D. E., M.A. Camb., M.A. Mert.

*English*, v. also Anglo-Saxon, Poetry

Wilson, F. P., LL.D. Birm., M.A., B.Litt. Mert., F.B.A. (E. Lit.) Merton Prof.
Tolkien, J. R. R., M.A. Mert. (E. Lang. and Lit.) Merton Prof.
Cecil, Lord David, C.H., M.A. New Coll. (E. Lit.) Goldsmiths' Prof.
Turville-Petre, E. O. G., M.A., B.Litt. Ch. Ch. (Anc. Icelandic) Reader.
Davis, H. J., M.A. St. Joh. (Textual Criticism) Reader.
Smithers, G. V., M.A. Hertf. (E. Lang.) Sr. Lectr.
Leishman, J. B., M.A., B.Litt. St. Joh. (E. Lit.) Sr. Lectr.
House, A. H., M.A. Camb. and Wadh. (E. Lit.) Sr. Lectr.

Lecturers

*Whitelock, Dorothy, M.A., Litt.D. Camb., M.A. St. Hild., F.S.A., F.R.Hist.S. (Old E.).
Campbell, A., M.A., B.Litt. Ball., F.R.Hist.S. (Med. E.).
*Coghill, N. H. K. A , M A. Exe. (E. Lit.).
*Lascelles, Mary M., M.A., B.Litt. Som. (E. Lit.).
*Gardner, Helen L., M.A. St. Hild. (E. Lit.).
*Dyson, H. V. D., M.A., B.Litt. Mert. (E. Lit.).
*Griffiths, Mary E., M.A. St. Anne's (E. Lit.).
*Lea, Kathleen M., M.A. L.M.H. (E. Lit.).
*Bateson, F. N. W., M.A., B.Litt. Trin. (E. Lit.).
*Bennett, J. A. W., M.A., D.Phil. Magd. (E. Lit.).
*Bamborough, J. B., M.A. Wadh.
*Bryson, J. N., M.A. Ball.
*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., D.D. St. And., M.A. Magd., F.R.S.L.
*Morrison, Christine L., M.A. St. Anne's.
*Rice-Oxley, L., M.A. Keb.
*Stewart, J. I. M., M.A. Ch. Ch.
*Wilkinson, C. H., O.B.E., M.C., C.G., M.A. Worc.
*Robson, W. W., M.A. Linc.
*Mahood, Molly, M.A. Lond., M.A. St. Hu.

* C.U.F. Lecturer.

*Brown, Ursula M., M.A., B.Litt. Som.
*Bayley, P. C., M.A. Univ.
*Bednarowska, Mrs. Dorothy M., M.A. St. Anne's.
*Bliss, A. J., M.A., B.Litt. Or.
*Buxton, E. J. M., M.A. New Coll.
*Gradon, Pamela O. E., Ph.D. Lond., M.A. St. Hu.
*Jack, I. R. J., M.A. Edin., M.A., D.Phil. B.N.C.
*Ward, A., M.A. Wadh.
*Kean, Patricia M., M.A. L.M.H.
*Midgley, E. C., M.A., B.Litt. St. Edm. H.
*Mackenzie, Elizabeth G. W., M.A. L M H.

*Ethnology*

Demonstrators and Lecturers

Blackwood, Beatrice M., M.A., B.Sc. Som.
Bradford, J. S. P., M.A. Ch. Ch.
Brice, W. C., M.A. Jes.

*Forestry*, v. also Surveying, Rural Econ.

Champion, H. G., C.I.E., M.A., D.Sc. St. Joh. Prof.

Lecturers and Demonstrators

Chalk, L., M.A., D.Phil. Univ.
Day, W. R., M.A., B.Sc. Exe.
Lloyd, A. H., M.C., M.A. Exe.
Jones, E. W., Ph.D. Camb., M.A. Magd.
Dimbleby, G. W., M.A., B.Sc., D.Phil. Magd.
Handley, W. R. C., Ph.D. Leeds, M.A. St. Joh.
Leyton, L., Ph.D. Leeds, M.A. Qu.
Macgregor, J. J., B.Sc. Glas., M.S. Wis., M.A., B.Litt. Ball.
Edwardson, T. E., B.Sc. Edin., M.A. Wadh.
White, F., B.A. Camb.
Angus, A., B.Sc. Edin.
Thompson, G. H., B.A., B.Sc. St. Edm. H.

*French Language and Lit.*

Seznec, J. J., M.A. All S. (F. Lit.) Foch Prof.
Starkie, Enid M., M.A., D.Litt. Som. (F. Lit.) Reader.

Lecturers

*Moore, W. G., D.Litt. Stras., M.A. St. Joh.
Robson, C. A., M.A., B.Litt. Ch. Ch. (Philol. and Old F. Lit.).
*Francis, Elizabeth A., M A. Lond. and St. Hu.
*Sutherland, Mrs. D. Rhoda, M.A. L.M.H.
*Crow, A. D., M.A., B.Litt. Or.
*Macdonald, I., M.A. Qu.
*Taylor, F. A., Chev. Lég. d'H., 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.
*Thomas, J. M., M.A., D.Phil. Wadh.
*Armstrong, Mrs. Annette E., M.A., D.Phil. Som.
*Howarth, W. D., M.A. Jes.
*Crow, Mrs. Joan, M.A. L.M.H.
*Struth, M. Le V., M.A. Exe.
*Shackleton, M., M.A. Magd.
*Barnett, F. J., B.A. Univ.
*Browne, Sheila J., M.A. St. Hild.
*Potts, D. C., M.A. Keb.

*Geography*, v. also Surv.

Gilbert, E. W., M.A., B.Litt. Hertf. Prof.
Gullick, C. F. W. R., M.A., B.Litt. (Econ. G.) Sr. Lectr.

Lecturers

Steel, R. W., M.A. Jes.

* C.U.F. Lecturer.

Martin, A. F., M.A. St. Joh.
Beckinsale, R. P., M.A. Lond., M.A., D.Phil. St. Cath.
Marshall, Mary, M.A. L.M.H.
Paget, E., M.A. Pemb.
Houston, J. M., M.A., B.Sc., D.Phil. Hertf.
Smith, C. G., M.A. Keb.

*Geology and Mineralogy*

Wager, L. R., M.A., Sc.D. Camb., M.A. Univ., F.R.S., F.G.S. Prof.
Ahrens, L. H., D.Sc. Pret., M.A. (Mineral.) Reader.
Sandford, K. S., T.D., M.A., D.Phil., D.Sc. Univ. (Pleistocene G.) Reader.

Lecturers and Demonstrators

Goodman, N. R., M.A., D.Phil. Exe. Lectr.
Harrison, J. V., M.A. Ch. Ch.
McKerrow, W. S., M.A. Univ.
Whitworth, T., M.A., D.Phil. Or.
Vincent, E. A., M.A. St. Joh.

Graduate Asst.

Edmonds, J. M., M.A., B.Sc. St. Edm. H.

*Geometry*

Titchmarsh, E. C., M.A. New Coll., F.R.S. Savilian Prof.

*German*

Boyd, J., Ph.D. Heidel., M.A., B.Litt. Qu. Taylor Prof.
Bostock, J. K., Ph.D. Lond., M.A., B.Litt. Wadh. Reader.
Stahl, E. L., M.A. Cape T. and Ch. Ch., Ph.D. Berne (G. Lit.) Reader.
Barnes, H. G., Ph.D. Tübingen, M.A. Magd. Sr. Lectr.

Lecturers

Sayce, Mrs. Olive L., M.A. St. Hu.
Williams, W. D., M.A., D.Phil. St. Joh.
Barlow, D., M.A. Qu.
Calder, W. M., M.A. Qu.
*Pasley, J. M. S., M.A. B.N.C.

*Greek and Latin Literature*

Lecturers

*Levens, R. G. C., M.A. Mert.
*Hardie, C. G., M.A. Magd.
*Griffith, J. G., M.A. Jes.
*Bond, G. W., B.A. Dub., M.A. Pemb.

*Greek, Byzantine and Modern Lang. and Lit.*

Trypanis, C. A., D.Phil. Athens, M.A. Exe. Bywater & Sotheby Prof.
Fletcher, R. A., D.S.C., M.A. Trin. (Mod. G.) Lectr.

*Hebrew*, v. Oriental Langs.

*History, American*

Billington, R. A., Ph.B. Wis., M.A. Mich., Ph.D. Harv., M.A. Qu. H. V. Harmsworth Prof. (1953–54).

*History, Ancient*, v. also Archæol.

Syme, R., M.A. B.N.C., F.B.A. Camden Prof.
Andrewes, A., M.A. New Coll. Wykeham Prof.

Lecturers

*Balsdon, J. P. V. D., M.A. Exe.
*Sherwin-White, A. N., M.A. St. Joh.
*Chilver, G. E. F., M.A., D.Phil. Qu.
*Henderson, Mrs. M. Isobel, M.A. Som.
*Lepper, F. A., M.A. C.C.C.
*Stevens, C. E., M.A., B.Litt. Magd.
Fraser, P. M., M.A. B.N.C. (Hellenistic H.).
*Gray, E. W., M.A. Ch. Ch.
*Harrison, A. R. W., M.A. Mert.
*Hignett, C., M.A. Hertf.
*Holladay, A. J., M.A. Trin.

* C.U.F. Lecturer.

*Brunt, P. A., M.A. Or.
*Cawkwell, G. L., M.A. Univ.
*Jeffery, Lilian H., M.A., D.Phil. L.M.H.

*History of the British Empire*

Harlow, V. T., C.M.G., M.A., D.Litt. Ball., F.R.Hist.S. Beit Prof.
Madden, A. F., M.A., B.Litt., D.Phil. Ch. Ch. Beit Lectr.

*History, Eccl.*, v. Theology

*History, Econ. and Social*

Briggs, A., B.Sc. Lond., M.A. Camb. and Worc. Reader.

*History, Indian*

Davies, C. C., Ph.D. Camb., M.A. Ball., F.R.Hist.S. Reader.

*History, Mediæval*

Lecturers

McKisack, May, M.A., B.Litt. Som., F.R.Hist.S. (14th cent.).
*Pantin, W. A., M.A. Or., F.B.A., F.R.Hist.S. (Med. Archæol.).
McFarlane, K. B., M.A. Magd., F.R.Hist.S. (Late Med.).

*History, Modern*, v. also Dipl.

Galbraith, V. H., D.Litt. Belf., Litt.D. Manc., M.A. Or., F.B.A. Reg. Prof.
Jacob, E. F., M.A., D.Phil. All S., F.B.A., F.S.A., F.R.Hist.S. Chichele Prof.
Wernham, R. B., M.A. Worc., F.R.Hist.S. Prof.
Beloff, M., B.Litt., M.A. C.C.C., F.R.Hist.S. (Comp. Study of Institutions) Reader.

Lecturers

Taylor, A. J. P., M.A. Magd. (International H.).
*Cox, A. D. M., M.A. Univ.
*Hurnard, Naomi D., M.A., D.Phil. L.M.H., F.R.Hist.S.
*Armstrong, C. A. J., M.A. Hertf., F.R.Hist.S.
*Southern, R. W., M.A. Ball., F.R.Hist.S.
*Smalley, Beryl, M.A., Ph.D. Manc., M.A. St. Hild., F.R.Hist.S.
*Hill, J. E. C., M.A. Ball., F.R.Hist.S.
*Reeves, Marjorie E., Ph.D. Lond., M.A. St. Anne's, F.R.Hist.S.
*Ramsay, G. D., M.A., D.Phil. St. Edm. H., F.R.Hist.S.
*Gough, J. W., M.A. Or.
*Collieu, E. G., M.A., B.Litt. B.N.C.
*Markham, F. M. H., M.A. Hertf.
*Prestwich, J. O., M.A. Qu.
*Maclagan, M., M.A. Trin.
*Rodger, A. B., M.A. Ball.
*Bullock, A. L. C., M.A., Censor of St. Cath.
Jolliffe, J. E. A., M.C., M.A. Keble, F.R.Hist.S.
Trevor-Roper, H. R., M.A. Ch. Ch., F.R.Hist.S. (16th and 17th centuries).
*Barr, W. G., M.A. Exe.
*Allen, H. C., M.C., M.A. Linc.
*Bell, H. E., M.A. New Coll., F.R.Hist.S.
*Bromley, J. S., M.A. Keb.
*Costin, W. C., M.C., M.A. St. Joh.
*Joll, J. B., M.A. St. Ant.
*Kemp, Betty, B.A. Manc., M.A. St. Hu.
*Leys, Mary D. R., M.A. St. Anne's, F.R.Hist.S.
*Bueno de Mesquita, D. M., Ph.D. Camb., M.A. Ch. Ch., F.R.Hist.S.
*Prestwich, Mrs. Menna, M.A. St. Hild., F.R.Hist.S.
*Smith, E. H. F., M.A. Pet. H.
*Somerset, H. V. F., M.A. Worc.
*Stuart, C. H., M.A. Ch. Ch.
*Thompson, A. F., M.A. Wadh.

* C.U.F. Lecturer.

*Wallace-Hadrill, J. M., M.A. Mert.
*Watson, J. S., M.A. Ch. Ch.
*Whiteman, E. Anne O., M.A., D.Phil. L.M.H.
*Butler, L. H., M.A. All. S.
*Carr, A. R. M., M.A. New Coll.
*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., M.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., M.A. Jes.
*McManners, Rev. J., M.A. St. Edm. H.
*Pelling, H. M., M.A. Camb., M.A. Qu.
*Pitt, H. G., M.A. Worc.
*Stone, L., M.A. Wadh.
*Stoye, J. W., M.A. Magd.
*Williams, P. M., M.A. Trin. and Nuff.
*Alington, G., M.A. Univ.
*Green, Rev. V. H. H., M.A., B.D. Camb., M.A., B.D. Linc., F.R.Hist.S.
*Crompton, J., M.A., B.Litt. Univ. and B.N.C.
*Highfield, J. R. L., M.A., D.Phil. Mert.
*Sutherland, Lucy S., C.B.E., M.A., Prin. of L.M.H.
*Wood, Mrs. Susan M., M.A., B.Litt. St. Hu.
*Aston, T. H., M.A. C.C.C.
*Davies, K. G., M.A. New Coll.

*History of Near East, Modern*

Hourani, A. H., M.A. Magd. Lectr.

*History of War*

Gibbs, N. H., M.A., D.Phil. All S. Chichele Prof.

*Industrial Relations* [Sr. Lectr.

Flanders, A. D., M.A. Ball.

*International Relations*

Headlam-Morley, Agnes, M.A., B.Litt. St. Hu. Montague Burton Prof.

*Italian*

d'Entrèves, A. P., LL.D. Turin, M.A., D.Phil. Magd., F.R.Hist.S. Serena Prof.

Lecturers

Grayson, C., M.A. St. Edm. H.
Rees, R. J. O., M.A. New Coll.
*Bickley, Olga D., D. in Litt. Genoa, M.A. St. Hu.

*Law*, v. *infra*

*Local Government*

Keith-Lucas, B., M.A. Qu. Sr. Lectr.

*Logic*

Price, H. H., M.A., B.Sc. New Coll., F.B.A. Wykeham Prof.

*Mathematics*

Coulson, C. A., M.A., Ph.D. Camb., D.Sc. St. And., M.A. Wadh., F.R.S. Rouse Ball Prof.
Chaundy, T. W., M.A., D.Sc. Ch. Ch. Reader.

Lecturers

*Haslam-Jones, U. S., M.A., D.Phil. Qu.
*Thompson, J. H. C., M.A., D.Phil. Wadh.
*Ferrar, W. L., M.A., D.Sc. Hertf.
*Thompson, E. C., M.A. Jes.
*Kendall, D. G., M.A. Magd.
*Busbridge, Ida W., M.Sc. Lond., M.A., D.Phil. St. Hu.
*Sarginson, Kathleen, M.Sc. Lond., Ph.D. Edin., M.A. Som.
Phillips, E. G., M.A., D.Phil. Magd.
*Watson, P. D., M.A., D.Phil. Mert.
*De Wet, J. S., M.A. Ball. (Math. Phys.) Lectr.
*Mauldon, J. G., M.A. C.C.C.

* C.U.F. Lecturer.

*Cobbe, Anne P., M.A., D.Phil. L.M.H.
*Crum, M. M., M.A. New Coll.

Junior Lecturers

Cornish, F. H. J., B.A. Wadh.
Ziman, J. M., B.A. Ball.
James, I. M., B.A. Qu.

*Mathematics, Pure*

Whitehead, J. H. C., M.A. Magd., F.R.S. Waynflete Prof.

*Medicine*, v. *infra*

*Meteorology*, v. Physics

*Mineralogy*, v. Geology

*Music*

Westrup, J. A., B Mus., M.A., Hon. D.Mus. Wadh. Heather Prof.
Wellesz, E. J., M.A., Hon. D.Mus. Linc., F.B.A. (Byzantine M.) Reader
Harrison, F. Ll., Mus.D. Dub., M.A., D.Mus. Mert. Choragus and Lectr.

Lecturers

Armstrong, T. H. W., M.A., D.Mus. Ch. Ch.
Andrews, H. K., D.Mus. Dub., M.A., D.Mus. New Coll.
Rubbra, C. E., M.A. Worc.
*Rose, B. W. G., M.A. Qu.
*Towneley-Worsthorne, S. P. E. C. W., M.A., D.Phil. Worc.

*Numismatics*

Robinson, E. S. G., C.B.E., M.A. Ch. Ch., F.B.A. Reader.
Sutherland, C. H. V., M.A., D.Litt. Ch. Ch. Lectr.

*Oriental Languages*, v. *infra*

*Palæography*

Ker, N. R., M.A., B.Litt. Magd. Reader.

*Papyrology*

Lobel, E., M.A. Qu. Reader.
Barns, J. W. B., M.A., D.Phil. Univ. Sr. Lectr.
Hunt, R. W., M.A., D.Phil. Ball. (P. and transmission of Class. Lat. Texts) Lectr.

*Philology, Comparative*

Palmer, L. R., B.A. Wales, D.Phil. Vienna, Ph.D. Camb., M.A. Worc. Prof.

*Philology, Comp. Slavonic*

Unbegaun, B. O., D. ès L. Paris, M.A. Bras. Prof.

*Philosophy*

Minio-Paluello, L., M.A., D.Phil. Or. (Med. P.) Sr. Lectr.

Lecturers*

Mabbott, J. D., C.M.G., M.A., B.Litt. St. Joh.
Kneale, W. C., M.A. Exe., F.B.A.
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.
Weldon, T. D., M.C., M.A. Magd.
Urmson, J. O., M.C., M.A. Ch. Ch.
Nowell-Smith, P. H., M.A. Trin.
Strawson, P. F., M.A. Univ.
Kneale, Mrs. Martha, M.A. L.M.H.
Beck, L. J., M.A., D.Phil. Mert.
Corbett, J. P., M.A. Ball.
Crombie, I. M., M.A. Wadh.
Dick, M. W., M.A. Ball.
Foot, Mrs. Philippa R., M.A. Som.
Foster, M. B., M.A. Ch. Ch.
Hampshire, S. N., M.A. New Coll.
Hare, R. M., M.A. Ball.
Mitchell, B. G., M.A. Keb.
Mitchell, D., M.A. Worc.
Murphy, N. R., M.A. (Prin. of Hertf.).
Turner, Rev. V. G., M.A. Camp.H.
Warnock, G. J., M.A. Magd.

* C.U.F. Lecturer.

McKie, J. I., M.A. B.N.C.
Gardiner, P. L., M.A. Wadh.
Murdoch, Jean I., M.A. St. Anne's.
Pears, D. F., M.A. C.C.C.
Quinton, A. M., M.A. All S.
Sutton, C. W. H., M.A. Pet. H.
Ackrill, J. L., M.A. B.N.C.
Warnock, Mrs. Helen M., M.A., B.Phil. St. Hu.
Waismann, F., M.A. New Coll. (P. of Maths.) Reader.
Wood, O. P., M.A. Magd.
Toulmin, S. E., M.A. Camb., M.A. New Coll. (P. of Science) Lectr.

*Philosophy, Mental*, v. also Logic

Farrell, B. A., M.A., B.Litt. Ball. Wilde Reader.

*Philosophy, Metaphysical*

Ryle, G., M.A. Magd. Waynflete Prof.

*Philosophy, Moral*

Austin, J. L., M.A. C.C.C. White's Prof.

*Philosophy, Natural*

Temple, G., Ph.D., D.Sc. Lond., M.A. Qu., F.R.S. Sedleian Prof.

*Physics*

Cherwell, Rt. Hon. Lord, C.H., Ph.D. Berl., M.A., LL.D. Aberd., M.A. Wadh. and Ch. Ch., F.R.S. (Exper. Philos.) Dr. Lee's Prof.
Pryce, M. H. L., M.A. Camb., M.A. New Coll., F.R.S. Wykeham Prof.
Dobson, G. M. B., C.B.E., M.A. Camb., M.A., D.Sc. Mert., F.R.S. (Meteorol.) (title of Prof.).
Simon, F. E., C.B.E., Ph.D. Berl., M.A. Ch. Ch., F.R.S. (Thermodynamics) Prof. (by decree).
Keeley, T. C., C.B.E., M.A. Camb., M.A. Wadh. Dep. Prof.

Lecturers and Demonstrators

Bleaney, B., M.A., D.Phil. St. Joh., F.R.S.
Collie, C. H., M.A., B.Sc. Ch. Ch.
Cooke, A. H., M.A., D.Phil. New Coll.
Davies, W. T , M.A. Keb.
Griffiths, J. H. E., O.B.E., M.A., D.Phil. Magd.
Kuhn, H. G., D.Phil. Gött., M.A. Ball.
Kurti, N., Ph.D. Berl., M.A. B.N.C.
Mendelssohn, K. A. G., M.A. Wadh., F.R.S.
Price, F. V., M.A , B.Sc., D.Phil. New Coll.
Roaf, D., M.A., D.Phil. Ch. Ch.
Rollin, B. V., M.A., D.Phil. Wadh.
Sanders, J. H., M.A., D.Phil. Hertf.
Series, G. W., M.A., D.Phil. St. Joh.
Spiers, J. A., M.A., D.Phil. Wadh. (Theoret. P.) Sr. Lectr.
Brewer, A. W., Ph.D. Lond., M.A. Qu. (Meteorol.) Lectr.
*Bagguley, D. M. S., M.A., D.Phil. B.N.C.
*Hurst, C., M.A., D.Phil. Jes. Lectr.

Sr. Research Officer

Shaw, P. F. D., M.A., D.Phil. Jes.

*Physiology*, v. also Medicine

Liddell, E. G. T., D.M. Magd., F.R.S. Waynflete Prof.

Lecturers and Demonstrators

Creed, R. S., T.D., D.M. New Coll.
Leach, E. H., M.A., B.Sc. B.N.C.
Glees, F. P., M.D. Bonn, M.A., D.Phil. St. Cath.
Gordon, G., D.M., B.Sc. B.N.C.
Phillips, C. G., B.Sc., D.M. Trin.
Lloyd, B. B., M.A. Magd.

* C.U.F. Lecturer.

*Poetry*

Day Lewis, C., C.B.E., M.A. Wadh., F.R.S.L. Prof.

*Political Econ.*

Hicks, J. R., M.A., B.Litt. All S., F.B.A. Drummond Prof.

Habakkuk, H. J., M.A. Camb., M.A. All S., F.R.Hist.S. Chichele Prof. (Econ. Hist.).

Hoskins, W. G., M.Sc. (Econ.), Ph.D. Lond., M.A. Ch. Ch. (Ec. Hist.) Reader.

Schenk, H. G. A. V., M.A., D.Phil. Exe. (Eur. Econ. and Social Hist.) Lectr.

*Political Theory and Institns.*

Wheare, K. C., C.M.G., M.A. Melb. and All S. Gladstone Prof. of Govt. and Pub. Admin.

Cole, G. D. H., M.A. All S. Chichele Prof. of Social and Political Theory.

Plamenatz, J. P., M.A. All S. (Soc. and Polit. Theory) Lectr.

*Politics*

Lecturers

*Harrison, W., M.A. Qu.

*Nicholas, H. G., M.A. New Coll.

Hicks, Mrs. Ursula K., M.A. Som. (Pub. Finance).

*Seton-Watson, C. I. W., M.C., M.A. Or.

McCallum, R. B., A.M. Prin., M.A., Vice-Master of Pemb.

*Blake, R. N. W., M.A. Ch. Ch.

*Crowe, Sybil E., M.A. St. Hild.

*Tite, K., M.A. Magd.

*Chester, D. N., M.A. Univ.

*Balogh, T., M.A. Ball.

*Berlin, I., M.A. All S.

*Foot, M. R. D., M.A., B.Litt. New Coll.

*Elder, N. C. McA., M.A. St. Joh.

*Knapp, W. F., M.A. St. Cath.

*Hunt, N. C., M.A. Exe.

*Le May, G. H., B.A. Worc.

*Pakenham, Rt. Hon. Lord, M.A. Ch. Ch.

*Portuguese Studies*

Cabral, A. L. C. de O. Lectr.

*Psychology* (Institute of Experimental)

Humphrey, G., Ph.D. Harv., M.A. Camb., M.A. Magd., F.R.S.C. Prof. and Dir.

Babington Smith, B., M.A. Camb., M.A. New Coll. (Exp. P.) Sr. Lectr.

Deutsch, J. A., M.A. Jes. (Gen. P.) Lectr.

Kay, H., M.A. Camb. and Univ. Lectr.

Watson, A. J., B.A. Ch. Ch. (Exp. P.) Jr. Lectr.

*Romance Langs.*

Ewert, A., Chev. Lég. d'H., M.A. Trin. Prof.

*Rural Economy*, v. *infra*, Agriculture

*Russian*

Konovalov, S., M.A., B.Litt. New Coll. Prof.

Obolensky, Prince D., Ph.D. Camb., M.A. Ch. Ch. (R. and Balkan Mediæval Hist.) Reader.

Gorodetzky, Nadejda, M.A., B.Litt., D.Phil. St. Hu. Lectr.

*Scientific Experiment, Design and Analysis of*

Finney, D. J., M.A. Or. Lectr.

*Social Studies*, v. Economics, Political Econ., Political Theory and Institns., Politics

*Sociology*

Mogey, J. M., D.Sc. Belf., M.A. Univ. Lectr.

* C.U.F. Lecturers.

Lienhardt, R. G., M.A., D.Phil. (African S.) Lectr.
Dumont, L. C. J., M.A. Linc. (Indian S) Lectr.

*Spanish*

Russell, P. E. L. R., M.A. Exe. King Alfonso XIII Prof.
Kolkhorst, G. A., M.A. Exe. Reader.
Pring-Mill, R. D. F., B.A. Magd. Lectr.
Jones, C. A., M.A. Magd. Lectr.

*Spectroscopy*

Jackson, D. A., O.B.E., D.F.C., A.F.C., M.A. Camb., M.A., D.Sc. Ball., F.R.S. Lectr. (title of Prof.).

*Statistics*

Champernowne, D. G., M.A. Camb. and New Coll. Prof.
Burchardt, F. A., D.Phil. Kiel, M.A. Magd. Dir. of Inst. and Reader in Econ. and Soc. S.
Seers, D. G., M.A. Qu. (Ec. S.) Lectr.

*Surveying* (for Engin., Agric., Forestry, Geog. Students and Col. Admin. Services probrs.)

Bomford, G., M.A. B.N.C. Reader.
Robbins, A. R., M.A., B.Sc. Hertf. Lectr.

*Theology*, v. *infra*

*Zoology and Comp. Anat., Zoological Field Studies and Zoology* (*Entomology*), v. also Agric.

Hardy, A. C., M.A., D.Sc. Mert., F.R.S., F.L.S. Linacre Prof.
Varley, G. C., M.A., Ph.D. Camb., M.A. Jes. (Entomol.) Hope Prof.

Readers

Elton, C. S., M.A. C.C.C. (Animal Ecology).
Ford, E. B., M.A., D.Sc. Wadh. (Genetics).
Baker, J. R., M.A., D.Phil., D.Sc. New Coll. (Cytology) Reader, Lectr. and Demr.
Tinbergen, N., M.A. Mert. (Animal Behaviour) Lectr.

Lecturers and Demonstrators

Pusey, H. K., M.A. St. Edm. H.
Needham, A. E., M.A., B.Sc. St. Joh.
Holmes, W., M.A., D.Phil. St. Joh.
Hobby, B. M., M.A., D.Phil. Qu. (Entomol.).
Cain, A. J., M.A., D.Phil. Magd. (Animal Taxonomy).
Fischberg, M., Ph.D. Zür., M.A. J.W. Jenkinson Memorial Lectr.
Graham, M. W. R. de V., B.A. Dub., M.A. Or. (Entomol.).

Sr. Research Officers

Lack, D., M.A., Sc.D. Camb., M.A. Magd., F.R.S. (Ornith.).
Chitty, D. H., M.A. St. Cath. (Bureau of Animal Pop.).
Southern, H. N., M.A. Qu. (Bureau of Animal Pop.).
Leslie, P. H., M.A. Ch. Ch. (Bureau of Animal Pop.).

**Agriculture**

Blackman, G. E., M.A. St. Joh. Sibthorpian Prof. of Rural Economy.
Russell, E. W., M.A. B.N.C. (Soil Sci.) Reader.

University Demonstrators

Amery, G. D., M.C., M.A. B.N.C.
Clarke, G. R., M.A., B.Sc. Or.
Russell, R. S., M.A. Camb., M.A. B.N.C.
Soper, M. H. R., M.A. Camb., M.A. Qu.
Masefield, G. B., M.A. Ball. (Colonial A.) Lectr.
Harper, J. L., M.A., D.Phil. Magd.

Librarian

Shepherd, R. T., M.A. Jes.

*Agrarian Affairs* (Institute)

Dixey, R. N., M.A. St. Joh. Dir.

*Agr. Economics* (Agr. Econ. Research Inst.)

Clark, C. G., M.A. B.N.C. Dir.

Lecturers and Demonstrators

Hunt, K. E., M.A. Exe.
Hirsch, G. P. H., M.A. Linc. (Rural Soc. Organization).
Bellerby, J. R., B.Com., M.A. Leeds, M.A. Qu.
Maunder, A. H., B.Sc. R'dg., M.S. Corn., M.A. Linc.
Antill, A. G., M.A. St. Cath.

Sr. Research Officers

Dixey, R. N., M.A. St. Joh.
Manning, Miss P. A., M.A Manc., Ph.D. Lond.

Deptl. Demrs.

Allen, G. R., M.A. Exe.
Bradburn, S A., B.Sc. Lond.
Dudman, R. A., B.A. St. Cath.
Price, O. T. W., M.A., D.Phil. Linc.

Librarian

Truman, Joan, M.A. L.M.H.

## Law

*Civil*

Jolowicz, H. F., M.A., LL.D. Camb., D.C.L. All S. Reg. Prof.

*Comparative*

Lawson, F. H., D.C.L. B.N.C. Prof.

*Conflict of Laws*

Morris, J. H. C., D.C.L. Magd. Reader.

*Criminal, and Evidence*

Landon, P. A., M.C., M.A. Trin. Reader.

*English*

Hanbury, H. G., D.C.L. Linc. Vinerian Prof.

Fifoot, C. H. S., M.A. Hertf. All Souls Reader.

Lecturers*

Tylor, T. H., M.A., B.C.L. Ball.
Brown, A. B., M.A., B.C.L. Worc.
Davidge, C. V., M.A., B.C.L. Keb.
Marsh, N. S., M.A., B.C.L. Univ.
Butterworth, J. B., M.A. New Coll.
Cross, A. R. N., M.A., B.C.L. Magd.
Carter, P. B., C.G., M.A., B.C.L. Wadh.
Hall, G. D. G., M.A. Exe.
Heuston, R. F. V., B.A., LL.B. Dub., M.A. Pemb.
Honoré, A. M., M.A., B.C.L. Qu.
Jones, H. J. F., M.A. Mert.
Maudsley, R. H., LL.B. Birm., M.A., B.C.L. B.N.C.
Slade, E., M.A. St. Joh.
Goff, R. L. A., B.A. Linc.

*International* (*Public*)

Waldock, C. H. M., Q.C., C.M.G., O.B.E., D.C.L. All S. Chichele Prof.

*Jurisprudence*

Hart, H. L. A., M.A. Univ. Prof.

*Roman*

Nicholas, J. K. B. M., M.A. B.N.C. All Souls Reader.

*Roman-Dutch*

Lee, R. W., D. de l'U. Lyons, LL.D. Rand., D.C.L. All S., F.B.A. Rhodes Prof.

## Medicine

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

*Anæsthetics*

Macintosh, R. R., D.M. Pemb., F.R.C.S.Ed. Nuffield Prof.

* C.U.F. Lecturers.

*Bacteriology*, v. *Pathology*

*Biochemistry, Clinical*

O'Brien, J. R. P., M.A., B.Sc. Pemb. Lectr. and Demr.

*Diseases*

Clinical Lecturers

Carleton, Mrs. Alice B., B.A., M.D. N.U.I., M.A. St. Anne's and Som. (Skin).

Macbeth, R. G., D.M. Or., F.R.C.S.Ed. (Ear, Nose, Throat).

Smallpeice, Victoria, M.D. Lond., M.A. Som. (Children).

*Hæmatology*

Macfarlane, R. G., M.D. Lond., M.A. Ch. Ch. Radcliffe Lectr.

*Medicine*

Gardner, A. D., D.M. Ch. Ch., F.R.C.S., F.R.C.P. Reg. Prof.

Callender, Sheila T. E., B.Sc., M.D. St. And., M.A. St. Hild. May Reader.

*Medicine, Clinical*

Witts, L. J., M.D. Manc., D.M. Magd., F.R.C.P. Nuffield Prof.

Clinical Lecturers

Cooke, A. M., D.M. Mert., F.R.C.P.

Hobson, F. G., D.M. New Coll.

Mallam, P. C., D.M. Univ.

*Medicine, Social*

Stewart, Mrs. Alice M., M.D. Camb., M.A. L.M.H. Reader.

*Neurology*

Ritchie Russell, W., C.B.E., M.D. Edin., M.A. Linc., F.R.C.P. Ed., F.R.C.P. Clin. Lectr.

*Nutrition, Human*

Sinclair, H. M., D.M., B.Sc. Magd. Dir. of Lab.

*Obstetrics and Gynæcology*

Moir, J. C., M.D. Edin., D.M. Or., F.R.C.S.Ed., F.R.C.O.G. Nuffield Prof.

Stallworthy, J. A., M.B., Ch.B. N.Z., M.A. Qu., F.R.C.S. Clin. Lectr.

*Ophthalmology*

Pirie, Mrs. Antoinette, M.A. Som. Margaret Ogilvie's Reader.

Van Heyningen, Mrs. Ruth E., M.A. Camb., M.A., D.Phil. Som. Res. Asst.

*Orthopædic Surgery*

Trueta, J. A., Chev. Lég. d'H., M.D. Barcelona, D.Sc., M.A. Worc., F.R.C.S. Can. Nuffield Prof.

Foley, W. B., M.B., B.S. Lond., F.R.C.S. Clin. Lectr.

*Pathology and Bacteriology*, v. also Anat.

Florey, Sir H. W., Comm. Lég. d'H., M.A., Ph.D. Camb., M.D. Adel. and Lyons, D.Sc. Sheff. and Birm., M.A., B.Sc. Linc., F.R.S., F.R.C.P. Prof.

Gladstone, G. P., M.B., B.S. Lond., M.A. Ch.Ch. Reader (Bacteriol.).

Robb-Smith, A. H. T., M.D. Lond., M.A. Or. Nuffield Reader, and Dir. of Pathol., Radcliffe Infirmary.

Lecturers and Demonstrators

Vollum, R. L., M.A., D.Phil. Linc.

Jennings, Hon. Mrs. Margaret A., D.M. L.M.H.

Wylie, J. A. H., M.D. Lond., M.A., D.Phil. Univ.

French, J. E., D.M. Exe.

Senior Research Officers

Sanders, A. G., M.B., B.S. Lond., M.A., D.Phil. Linc.

Abraham, E. P., M.A., D.Phil. Linc.

Heatley, N. G., M.A., Ph.D. Camb., M.A. Linc.

Van Heyningen, W. E., M.A. Exe.

Daniel, P. M., M.A., M.B., B.Chir. Camb., M.A. New Coll. (P. and Bact.) (Radcliffe Infirmary).

*Pharmacology*

Burn, J. H., M.D. Camb., M.A. Ball., F.R.S. Prof.

Ing, H. R., M.A., D.Phil. New Coll., F.R.S. (Chem. P.) Reader.

Bülbring, Edith, M.A. L.M.H. Lectr. and Demr.

Walker, J. M., B.Sc., D.M. Worc. Lectr. and Demr.

Vaughan Williams, E. M., B.Sc., D.M. Wadh. Lectr. and Demr.

Blaschko, H. K. F., Ph.D. Camb., M.A. Ball. Sr. Res. Officer.

*Physiology, Human*

Coxon, R. V., M.D. Lond., M.A., D.Phil. Exe., F.R.C.S. Reader.

Lecturers and Demonstrators

Cunningham, D. G. C., M.A. Univ.

Banister, R. J., M.A. Som.

*Psychiatry*

Armstrong, R. W., M.A. Linc., B.Sc., M.D. Belf. Clin. Lectr.

*Radiology*

Kemp, F. H., M.B., Ch.B. Birm. Clin. Lectr.

*Surgery*

..... Nuffield Prof.

Kilner, T. P., C.B.E., M.B., Ch.B. Manc., M.B., B.S. Lond., M.A. St. Joh., F.R.C.S. Nuffield Prof. of Plastic S.

Clinical Lectrs.

Abernethy, D. A., B.M., M.A. Ball., F.R.C.S.Ed.

Corry, D. C., M.D. Lond., M.A. Linc., F.R.C.S.

Elliot Smith, A., M.A. Camb., F.R.C.S.

Scott, J. C., M.B., M.S. Tor., M.A. Or., F.R.C.S.

*Tropical Medicine*

Macarthur, Sir W. P., K.C.B., O.B.E., D.S.O., M.D. Belf., M.B., B.Ch., B.A.O. N.U.I., D.Sc. Belf. and Oxon., D.T.M. and H. Camb., D.P.H., F.R.C.P., F.R.C.P.I. Clin. Lectr.

**Oriental and African Languages**

*Arabic*

Gibb, H. A. R., Chev. Lég. d'H., M.A. Lond., Edin. and St. Joh., F.B.A. Laudian Prof.

*Arabic and Greek Philosophy*

Walzer, R. R., M.A. Or. Sr. Lectr.

*Aramaic and Syriac*

Brockington, Rev. L. H., M.A. St. Cath. Lectr.

*Assyriology*

Gurney, O. R., M.A., D.Phil. New Coll. Shillito Reader.

*Chinese*

Dubs, H. H., B.A. Yale, B.D. Union Theol. Seminary, M.A. Col., Ph.D. Chic., M.A. Univ. Prof.

Wu, Shih Chang, M.A. Qu. Lectr.

Hawkes, D., M.A. Ch. Ch. Lectr.

*Eastern Religions and Ethics*

Zaehner, R. C., M.A. All S. Spalding Prof.

*Egyptology*

Černý, J., Ph. Dr. Prague, M.A. Qu. Prof.

*Hausa*

Ward, L. S. Lectr.

*Hebrew*

..... Reg. Prof.

Driver, G. R., M.C., D.D. Aberd., D.Litt. Durh., M.A. Magd., F.B.A. (Semitic Philol.). Prof. and Reader.

*Islamic Studies* [Reader.

Schacht, J., M.A., D.Litt. St. Joh.

*Jewish Studies*

Roth, C., M.A., B.Litt., D.Phil. Mert., F.R.Hist.S. Reader.

Rabin, C., M.A., D.Phil. Ch. Ch. (Post-Biblical Hebrew) Cowley Lectr.

*Persian*

Morrison, G., M.A. C.C.C. Lectr.

*Sanskrit*

Burrow, T., Ph.D. Camb., M.A. Ball. Boden Prof.

*Swahili*

Maguire, R. A. J. Lectr.

*Turkish*

Lewis, G. L., M.A., D.Phil. St. Joh. Lectr.

**Theology**

Taylor, V., Ph.D., D.D. Lond. (Biblical Studies) Speaker's Lectr.

Lecturers

*Williams, Rev. C. S. C., M.A. Mert. (N. Test.).

Cadman, W. H., M.A., B.Litt. St. Cath. (N. Test.).

Mathew, A. G., M.A. Ball., F.R.Hist.S. (Byzantine Studies).

*Milburn, Rev. R. L. P., M.A. Camb. and Worc. (Church Hist.).

*Kemp, Rev. E. W., M.A., B.D. Exe., F.R.Hist.S. (Canon Law).

*Kelly, Rev. J. N. D., M.A. Glas., D.D., Prin. of St. Edm. H. (Patristic Studies).

*Parker, Rev. T. M., M.A. Univ.

*Nineham, Rev. D. E., M.A. Qu.

*Evans, Rev. C. F., M.A. Camb., M.A. C.C.C.

*Whiteley, Rev. D. E. H., M.A. Jes.

*Adams, Rev. A. W., M.A. Sheff., B.D., M.A. Magd.

*Stead, Rev. G. C., M.A. Camb. and Keb.

*Porter, Rev. J. R., M.A. Or.

*Divinity*

Hodgson, Rev. Canon L., D.C.L. Bishop's, S.T.D. Theol. Sem. N.Y., D.D. Edin. and Ch. Ch. Reg. Prof.

Cross, Rev. Canon F. L., B.Sc. Lond., D.Phil., D.D. Ch. Ch. Lady Margaret Prof.

*Eastern Orthodox Culture*

Zernov, N., M.A., D.Phil. Keb. Spalding Lectr.

*Ecclesiastical History*

Jenkins, Rev. Canon C., D.D. Ch. Ch., F.S.A., F.R.Hist.S. Reg. Prof.

*Exegesis*

Kilpatrick, Rev. G. D., B.A. Lond., D.D. New Coll. Dean Ireland's Prof.

*Interpretation of Holy Script*

Sparks, Rev. H. F. D., D.D. Or. Oriel Prof.

*Moral and Pastoral Theology*

Demant, Rev. Canon V. A., B.Sc. Durh., M.A., D.Litt. Ch. Ch. Reg. Prof.

*Nat. and Comparative Religion*

Foster, M. B., M.A. Ch. Ch. Wilde Lectr.

*Philos. of Christian Religion*

Ramsey, Rev. Canon I. T., M.A. Camb., M.A. Or. Nolloth Prof.

*Farrer, Rev. A. M., M.A., D.D. Trin. Lectr.

*Mascall, Rev. E. L., B.Sc. Lond., M.A., B.D. Camb., D.D. Ch. Ch. Lectr.

*Septuagint*

Adams, A. W., M.A. Sheff., B.D., M.A. Magd. Grinfield Lectr.

* C.U.F. Lecturer.

**Sidney Ball Lecturer in Economics**

1952–53—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.
Subject—*The Level of Wages in a Full Employment Economy.*

**Bampton Lecturer**
(alternate years)

1954—Rev. Canon H. E. W. Turner, M.A. Linc.
Subject— *Orthodoxy and Heresy in the Early Church.*

**George Eastman Visiting Prof.**

1953–54—W. Van O. Quine.

**Ford's Lecturer in English History**

1953–54—Prof. T. S. Ashton, M.A. Manc., F.B.A.

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

.....

**Halley Lecturer**

1953—Dr. H. C. van der Hulst.
Subject — *The Galaxy Explored by Radio Waves.*

**Ratanbai Katrak Lecturer**
(Study of Religion of Zoroaster)

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Monasteries and abbeys brought clerks to Oxford in early Norman times, but the Univ. was not established until the reign of Henry II. About 1167, foreign-born scholars were driven out of Paris, and the rapid development at Oxford indicates that students transferred there. In the 13th century the influence of the Dominicans, Franciscans and Carmelites deeply affected the advancement of learning in Oxford, and the first three Colls. (University, Balliol and Merton) were endowed. St. Mary's Church was the official centre

of Univ. life until, in the 15th century, the Divinity School was built. From the 13th century onwards a succession of Charters from the Crown strengthened the position of the Univ. In the Renaissance period the Univ. flourished, and 5 more Colls. were built. During the Reformation the Colls. suffered from confiscations of land and revenue, and the character of the Univ. changed with the dissolution of the monasteries. In 1571, the Univ. was incorporated by Act of Parliament, and much reorganization followed. The important code of statutes introduced in 1636 by Archbishop Laud, Chancellor of the Univ., remained in force with certain modifications for about 150 yrs. During the Civil War, the Univ. supported the King, who made Oxford his headquarters, and Parliament was held there. Under Cromwell, who was Chancellor from 1651 to 1657, an attempt was made to restore standards of work and discipline. Towards the end of the 18th century, the standard of studies rose as written examns. gradually took the place of oral examns. The constitution was revised in 1854 after a Royal Commission, and a Statutory Commission made comprehensive changes in 1877. College Statutes were re-made and studies reorganized. The professoriate was increased and re-endowed. In 1871, religious tests were abolished, and the M.A. degree was thrown open to nonconformists. Thereafter the hist. of the Univ. was one of steady progress and expansion. The Royal Commission of 1920–21 made no drastic changes, but the Statutory Commission which succeeded it adapted the existing machinery to meet the needs of the times, one result being that the Univ. was given an annual Treasury grant.

CONSTITUTION. The *Congregation of the University* consists mainly of the teaching and administrative elements in the Univ. and Colleges. It is the principal legislative body in the Univ. and, subject to the postponing power of Convocation explained below, can adopt, reject or amend legislative proposals submitted by the Hebdomadal Council. *Convocation*, a larger body consisting of all Masters of Arts and Doctors of the Faculties of Divinity, Civil Law, and Medicine who have their names on the Univ. books, has the power of postponing, but not of rejecting or amending, Statutes or Decrees which have been passed by the vote of less than two-thirds of the members of Congregation present and voting. It also confers honorary degrees and degrees granted by Diploma. It sanctions petitions to Parliament, and authorizes the affixing of the Univ. seal when necessary. The *Hebdomadal Council* consists of the Chancellor, Vice-Chancellor, immediate ex-Vice-Chancellor (for one year after the expiry of his term of office), or one of the Pro-Vice-Chancellors who has not held the office of Vice-Chancellor, the Proctors, and 18 members elected by Congregation. It takes the initiative in all legislation of the Univ. and forms the central administrative body. Other important bodies, endowed with considerable powers and responsibilities, are the *General Board of the Faculties* and the *Curators of the University Chest.*

There are 14 *Faculties*, namely: Theol., Law, Med., Literæ Humaniores, Mod. Hist., Engl. Lang. and Lit., Med. and Mod. Langs., Oriental Studies, Phys. Sciences (including Maths.), Biol. Sciences, Social Studies, Anthropol. and Geog., Music, Agric. and Forestry. The organization of teaching, res. and examns. in the various subjects is in the hands of the several Faculty Boards, except that in the case of Psychology power is vested in a Bd. of Studies. The work of the Faculty Boards and Board of Studies is subject to the control of the General Board of the Faculties. A Faculty Board is in part composed of members elected by the Faculty.

The Chancellor, elected for life by Convocation, is a non-resident Officer. The executive power is chiefly in the hands of his Deputy, the Vice-Chancellor, who is annually nominated by him from among the Heads of Colleges, and

the Proctors annually elected by the Colleges, Halls and other Societies in rotation.

The Colleges are corporate bodies distinct from the Univ. They manage their own property and elect their own officers; and the Proctors have no power within their walls. Their Statutes, however, render them subject to certain Univ. Statutes which deal, among other things, with reservation of a proportion of Fellowships for Univ. teachers and officers, the assignment of Fellowships to University Professorships, the admission of undergraduates, contributions for Univ. purposes, the presentation and audit of accounts, and the special examination of catering accounts. The relation between the Univ. and the Colleges is intimate. The great majority of the members of the Univ. belong to the Colleges, and all who belong to the various Colleges are at the same time members of the Univ. Teaching is given partly by Univ. Profs., Readers, Lecturers and Demonstrators, partly by the more numerous body of College Tutors and Lectrs.

Under the Universities of Oxford and Cambridge Act, 1923, which set up a Statutory Commission for Oxford, new Statutes were made for the University and for the Colleges. These Statutes were laid before Parliament and received the approval of the King in Council. A summary of the most noteworthy changes embodied in them, prepared by Sir Henry Sharp, K.C.I.E., the Secretary to the Commission, will be found in the *Yearbook* for 1929, pp. 221 and 222.

ADMISSION. *See* Appendix I.

ADMISSION OF NON-MEMBERS OF THE UNIVERSITY (*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. 1. A Board of a Faculty or a Board of Studies may place the name of any applicant on the Register provided that the applicant (*a*) is not a member of the Univ., (*b*) possesses the qualifications required from candidates for admission to the status of Senior Student, (*c*) is placed under a Director of Studies appointed by the Board. 2. Application for admission as a Recognized Student shall be made to the Secretary of Faculties for submission to the appropriate Faculty Board or Board of Studies and shall be accompanied by (*a*) evidence of the degrees previously obtained by the applicant, (*b*) a statement of the proposed subject of study, (*c*) a certificate from a Prof. or Head of a Dept. of the Univ. supporting the application. 3. Every Recognized Student shall pay to the Curators of the Univ. Chest (*a*) a fee of £5 : 5s. on admission or readmission to the Register, (*b*) a terminal fee of £5 so long as his name is on the Register, (*c*) a composition fee under the provisions of Statt. Tit. XIX. § 26 (£10 or £6) if he is working as a student under regular instruction or supervision in any of the depts. or instns. included in the schedule attached to that sub-section, (*d*) a supervision fee of £5 or a tuition fee of £8 in every Term in respect of which he shall have been certified by his Director of Studies to have received supervision or tuition, as the case

may be. 4. A Recognized Student shall cease to hold that status (*a*) if he shall have failed to pay the fees required under clause 4 (*b*), (*c*) or (*d*), (*b*) if his name shall have been removed from the Register by the Faculty Board or Board of Studies concerned. 5. Every Recognized Student shall be entitled: (i) to use the Univ. Libraries subject to the provision of the statutes governing particular Libraries; (ii) to attend lectures advertised in the lists of Boards of Faculties and Studies provided that attendance (*a*) at lectures described as seminars or classes or informal instruction shall be subject to the permission of the holder, (*b*) at lectures given in any Coll. bldg. shall be subject to the right of the Coll. concerned to refuse admission; (iii) to work in any Univ. Dept. or Instn. subject to the agreement of the Head of that Dept. or Instn. and subject to the provisions of clauses 3 (*c*) and 4 (*c*) above if the Dept. or Instn. is included in the schedule attached to Statt. Tit. XIX. § 28. 6. No Recognized Student shall have his name on the Register of Recognized Students for more than 3 terms. 7. A Faculty Board or Board of Studies shall have power to remove from the Register the name of any Recognized Student which it has placed on the Register.

ENTRANCE SCHOLARSHIPS (£100) AND EXHIBITIONS (£40-£80) are awarded by the various Colleges. Their actual value, in the large majority of cases, is £30 a year (or its equivalent), but a scholar or exhibitioner, after election, may be granted an additional sum not exceeding the advertised maximum of his award if he supplies satisfactory evidence that he is in need of further assistance.

THE ACTING ADVISER OF OVERSEAS STUDENTS. *See under* "University Administrative and other Staff," *above*.

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 (*a*) B.A., M.A., B.D., D.D. of those Univs., LL.B., LL.D., M.B., M.D., M.Chir. of Cambridge; (*b*) Sc.D., Mus.D., Litt.D. and Ph.D. of Cambridge or Dublin, if, being qualified, candidate also incorporates as M.A., or is eligible for membership of Congregation if voted M.A. by Decree. Graduates in Law of Cambridge shall, when incorporated, become B.C.L. or D.C.L., and Sc.D.s, Mus.D.s and Litt.D.s of Cambridge or Dublin shall become D.Sc., D.Mus. and D.Litt. of Oxford. Any applicant for incorporation must have kept by residence at his Univ. before taking his degree the same number of terms that he would have been required to keep at Oxford for the corresponding degree. If incorporating into two degrees, only the fee for the higher degree is payable. While an undergraduate is allowed to incorporate as a matter of course, a graduate must first satisfy the Hebdomadal Council that there are adequate reasons, *e.g.* that an educational post has been obtained at Oxford.

In 1910 a Delegacy for WOMEN STUDENTS was constituted, and provision made for recognition by the Univ. of Societies for their reception for academical study, students on the books of such Recognized Societies being accorded a privileged status. Under the provisions of a Statute approved by Convocation on May 11, 1920, which came into force on Oct. 7, 1920, women may be matriculated and admitted to degrees in the Univ. In that year the Delegacy for Women Students was abolished. Previous to matricn. a woman must have been admitted as a member of one of the 5 Societies of Women Students. A woman may be admitted to *Responsions* before matricn. provided her name is sent in to the Asst. Registrar by the Head or a Tutor of a Soc. to which she *bona fide* desires admission. Women members of the Univ. are

admitted to all degrees under the same conditions as those prescribed for men as regards standing, examns., course of study, exercises and fees, and under analogous conditions as regards residence. A Women Students' Property Committee administers all property vested in the Univ. for the benefit of women members of the Univ. generally, and in particular the Nettleship Library and Bertha Johnson Loan Fund.

The number of resident undergraduate members of St. Anne's College (who keep statutable residence in hostels or houses approved by the Council of the College) is limited to 220 (exclusive of "Advanced Students," and persons provisionally accepted as "Advanced Students" by Faculty Boards before coming into residence, being graduates of other Univs.); but in the first 4 yrs. after incorporation by Royal Charter (granted on May 19, 1952) a number in excess of 220 by 40, 30, 20, and 10 in each succeeding yr., is permitted to reside.

The number of undergraduates in residence at the other Societies of Women Students is limited by Statute to 190 (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: 1953–54—Oct. 11 to Dec. 5; Jan. 17 to March 13; April 25 to June 19.

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 matriculation. Names of candidates must be entered through an officer of the Society to which they intend to belong. *See* Appendix I.

(*b*) The *1st Public Examn.* This consists of (1) Honour Classical Modns., (2) Hon. Math. Modns., (3) Hon. Sci. Modns., (4) Law Modns., (5) Prelim.

* In special circumstances leave to reside in a house which has not been licensed may sometimes be obtained.

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. 24).

The higher degrees, D.Litt. and D.Sc., instituted in 1900, are awarded to graduates of Oxford for published work of outstanding merit.

THEOLOGY. The B.D. degree is open to candidates of over 26 yrs. of age who have passed a Qualifying examn. in Christian Theology, pursued a course of study therein extending over 6 terms, resided for 6 terms, and submitted a thesis of sufficient merit in some branch of the subject. No candidate may present a thesis until he has passed the Qualifying examn., which is open to Oxford M.A.s, to persons who have, not less than 5 terms previously, passed

all examns. for the Oxford B.A., and, under certain conditions, graduates of other Univs. First-class or second-class hons. in School of Theol. exempts from this examn.

The degree of D.D. is open to those who have been admitted to the Oxford degree of B.D., subject to certain conditions of standing, provided they have submitted a thesis, or published work, of sufficient merit in some branch of Christian Theology.

LAW. The examn. for the B.C.L. degree is open either (1) to B.A.s of the Univ. or (2) under certain conditions (including residence for 6 terms) to graduates in Arts, Philos., Science, or Law of other Univs. The subjects are Jurispr., Roman, 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 have held for at least 1 yr. an approved appt. or appts. in approved hosps., which must include 6 mos. in a resident post in charge of general surgical patients at a recognized teaching hosp. 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, 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. 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 undergrad. members of the Univ. Men and women undergrads. are also accepted in a ground branch for training in Fighter Control duties. This training involves no expense and the flying and ground trg. is arranged to interfere as little as possible with members' Univ. commitments. Members join the R.A.F. Volunteer Reserve. Arrangements are made for those members who go overseas on conclusion of their Univ. Courses to be transferred to the Non-Training List. The Sqn. is a recognized channel of entry for permanent commissions in the R.A.F., either flying, technical, fighter control or medical. Direct entrants from the Univ. can qualify for an antedate of seniority, depending upon the class of degree obtained. Candidates are subject to the appropriate R.A.F. medical examns. on entry. Further information from H.Q., Oxford Univ. Air Squadron, Manor Rd., Oxford (*Telephone*: 3321).

The DEPARTMENT OF EDUCATION, 15 Norham Gardens (*Telephone*: 58631/2), was established in 1919 and is under the general direction of a Delegacy. For staff, *see* pp. 420-421. For the Univ. Dipl. in Educn. there is a 1-yr. postgrad. course of which one term is devoted to practical work in a school. Under certain conditions, the Diploma Course may be taken by undergraduate members of the Univ.

*Vacation Courses* are held from time to time, usually in July and Aug. These are either short courses for special groups, or refresher courses for teachers of experience, which are suitable also as an introduction to the more general study of educational questions and are open without restriction to both men and women.

INSTITUTE OF EDUCATION, 8 South Parks Rd. (*Telephone*: 57112). Under the care of the Delegacy for the Institute of Education. Established in 1951 to promote co-operation between the Univ., the constituent members of the Inst. (the Dept. of Education and Training Colls. in the area), local educn. authorities, and other educational agencies in the County Borough of Oxford, the County of Oxfordshire, and pts. of Berkshire and Buckinghamshire and other neighbouring areas. *Director*: M. L. Jacks, M.A. Ball. and Wad.; *Secretary*: M. M. Spencer, M.A. Ball.

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. For those open to graduates of other Univs. *see* Appendix II.

The Rhodes Scholarships were founded in 1902 under the will of the late Cecil John Rhodes. The value of each is at present £500 a yr. The Scholarship is tenable at the Univ. of Oxford, and may be held for 3 yrs. Appointments are made for 2 yrs. in the first instance, and a third year is granted only if it is eminently in the interests of a scholar's immediate studies and future career.

Rhodes Scholars may, if the conditions are approved by their own College and by the Rhodes Trustees on the recommendation of the Warden of Rhodes House, either postpone their third year, returning after a period of work in their own countries, or spend their third year in postgraduate work at a Univ. of Gt. Britain, and in special cases at a Univ. on the continent of Europe, in the overseas Dominions, or in the United States, but not in the country of their origin. The conditions of the competition in each country or community are fixed from time to time by the Trustees.

In his will, Mr. Rhodes expressed the wish that "in the election of a student to a Scholarship, regard shall be had to (1) his literary and scholastic attainments; (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship; and (4) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his schoolmates."

*The Dominions and Colonies.* An annual Scholarship is assigned to each Province* of Canada; to each State of the Australian Commonwealth; to the Dominion of New Zealand (2); in South Africa to the Province of Natal, the Transvaal, the Orange Free State, 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*, 1952–53, 163 (86 from the Brit. Commonwealth and 77 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

* Two each to Quebec and Ontario.

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). *Warden of Rhodes House, Oxford*—E. T. Williams, C.B., C.B.E., D.S.O., M.A. (*Telephone*: 55745; *Telegrams*: Augury, Oxford). *Local Secretaries*: *U.S.A.*—Courtney Smith, President, Swarthmore College, Pennsylvania; *Canada*—D. R. Michener, Q.C., 5 Rosedale Rd., Toronto, 5; *Australia*—G. W. Paton, Vice-Chancellor, The University, Melbourne; *South Africa*—A. H. Gie, Permanent Bldgs., 8 Darling St., Cape Town; *Rhodesia*—L. R. Morgan, Education Dept., Salisbury; *New Zealand*—I. F. McKenzie, The Univ., Wellington; *Jamaica*—Asst. Secretary, Education Authority, Kingston; *Bermuda*—Colonial Secretary's Office; *Malta*—Jos. A. Manché, Royal Univ. of Malta; *India*—C. Eyre Walker, St. Stephen's Coll., Delhi, 8; *Pakistan*—J. M. Gwyn, Aitchison Coll., Lahore, West Pakistan.

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. (Tech.), A. W. Selwyn, M.A. B.N.C.; Asst. Sec., P. D. Record, M.A. B.N.C., 41 St. Giles'. *Telegrams*: Appointments, Oxford. *Telephone*: 55725.

1952: 704 permanent appointments, including: Government, 92; Education, 270; Commerce and Industry, 314; Journalistic, etc., 19; Miscellaneous, 9. Temporary, 89.

WOMEN'S DEPARTMENT OF APPOINTMENTS COMMITTEE. Sec., Doris M. Fone, M.A., 41 St. Giles', Oxford. (*Telephone*: 2104.) Hours, 9-5, Sats. 9-12.

1952: 155 appts., including: Govt., etc., 12; Comm. and Industry, 24; Technical and Scientific, 10; Soc. Service, 6; Secretarial, 14; Literary, 16; Res., 5; Warden and Bursar, 1; Educnl., 38; Vacation posts, 21; Organizing, 4.

The BODLEIAN LIBRARY, founded by Sir Thomas Bodley in 1602, which is also the general library of the Univ., contains about 2,000,000 printed books and 50,000 MSS. Persons other than members of the Univ. are admitted on presenting a recommendation from some one in a responsible position in Oxford or elsewhere, knowing the applicant personally. The *Visitors' Guide* (on sale at the Library) gives a short history. The chief books relating to it are: Macray, W. D., *Annals of the Bodleian Library* (Clar. Press, 1890, 35s.); Clark, A., *Guide for Visitors* (Clar. Press, 1906, o.p.); Gibson, S., *Some Oxford Libraries* (Clar. Press, 1914, 5s.); Madan, F., *The Bodleian Library* (London, Duckworth, 1919, o.p.); Craster, Sir H. E. E., *History of the Bodleian Library, 1845–1945* (Clar. Press, 1952, 42s.); *The Bodleian Library Record* (3s. 6d. per number obtainable from the Librarian).

There are the following dependent libraries of the Bodleian:

*The Radcliffe Science Library* at the Univ. Museum, about 300,000 vols., consisting of books and periodicals on Mathematics, Natural Science and Medicine.

*The Indian Institute Library*, devoted to Indian studies. There is also in the Indian Institute a museum illustrating Indian antiquities and Indian life.

*Rhodes House Library* (history of the British Commonwealth and the U.S.A.).

The TAYLORIAN LIBRARY (Modern Languages and Literature), over 120,000 vols., contains the chief philological, literary and historical works in the

principal European languages and nearly all respective reviews, literary periodicals and publications of continental societies of importance.

COLLEGE AND OTHER LIBRARIES. Modern History and Law, at All Souls (The Codrington Library); Political Economy and Science, also at All Souls (The Brand Library). Other important collections include Russian and Slavonic books, at Queen's; History and Literature, MSS. of 17th cent., at Worcester; Music and Early Scandinavian collections, at Christ Church. The MSS. in the College Libraries are described in Coxe's Catalogue, published at the Clarendon Press, 1852.

There are also: the Nettleship Library, Woodstock Road (Librarian—Mary C. Draper); the English Library (Examination Schools) (Librarian—R. E. Alton, M.A. St. Edm. H.); a Geographical Library (*c.* 14,000 vols. excluding periodicals) and Maps (*c.* 17,000) at the School of Geography, Mansfield Rd. (Librarian—A. F. Martin, M.A. St. Joh.); Libraries at the Dept. of Forestry, the Bureau of Animal Population and the Edward Grey Inst. of Field Ornithology; a Social Studies Library at Barnett House, and a library on economics and statistics at the Institute of Statistics.

MUSEUMS. *The University Museum* (*Telephone*: 57565) *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., Bot., Entomol. (Lepidoptera collection illustrating mimicry, etc.).

*The Ashmolean Museum*, Beaumont Street (*Telephone*: 57522) (Keeper—K. T. Parker, M.A. Or., F.B.A.), contains one of the best collections of European and Near Eastern archæol. in the world; the Univ.'s collection of coins; a fine collection of paintings, old master drawings, water-colours, Italian maiolica and bronzes, English silver and other objects of applied art; and an important library of art and archæol. for the use of students.

*The Museum of the History of Science* (*Telephone*: 3997) (Curator—C. H. Josten, M.A. B.N.C.) in the Old Ashmolean building, Broad Street, illustrates the history of scientific studies, especially in Oxford, by contemporary instruments, portraits and books.

*The Pitt Rivers Museum*, Parks Road (*Telephone*: 57565) (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); Chem., Org., Phys. and Inorg.; Physiol.; Biochem.; Zool. and Comp. Anat.; Entomol., with extensive Collections and Library; Bot.; Geol. (special equipment for study of fossils by serial sections); Mineral.; Chem. Crystallog.; Engin.; Forestry (exper. plantations and forest garden); Human Anat.; Pathol. and Bacteriol.; Human Nutrition; one *Observatory*.

The DEPARTMENT OF FORESTRY (Imperial Forestry Institute), South Parks Road (*Telephone*: 57891)—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 advanced courses for forest officers of the Commonwealth and others, undertakes the structural examination and identification of woods and the identification of trees, and carries out research on biological and economic problems bearing on forestry. The 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*: 57245). Prof. G. E. Blackman, M.A. St. Joh., is responsible for the teaching of agriculture for the Honour School. Such teaching is undertaken in collaboration with the *Agricultural Economics Research Institute*, Parks Road (*Telephone*: 57775)—Director, C. G. Clark, M.A. B.N.C. The Institute runs a postgrad. 1-yr. course for the Dipl. in Agric. Economics. The Dept. of Agriculture is actively engaged in research in the fields of crop physiol. and experimental agronomy, with especial reference to the development of selective herbicides and the application of radioactive isotopes to biological investigations. Facilities for research are available both within the Dept. and at the Univ. Field Station, Wytham. The Inst. covers a wide field of research in agricultural economics.

The NUFFIELD INSTITUTE FOR MEDICAL RESEARCH, Woodstock Road (*Telephone*: 3713), founded 1935. Director—G. S. Dawes, D.M., B.Sc. Worc. The Institute is housed in the old Radcliffe Observatory, which, with its surrounding grounds, was purchased by Lord Nuffield from the Radcliffe Trustees and presented to the Univ. to be converted for its present purpose. The Board of the Faculty of Medicine is required to make provision in the Institute for the study of clinical, physiological, pharmacological and anatomical problems by means of radiological and allied techniques, including X-ray cinematography, for so long as it may think desirable, and for such other subjects of study as it may from time to time determine.

The INSTITUTE OF STATISTICS, founded 1935, is a centre for statistical research in economics and social studies and for the teaching of statistical methods. It publishes a monthly bulletin and occasional papers and monographs. A library of 20,000 vols. on economics and statistics is available to members of the Univ. Director—F. A. Burchardt, D.Phil. Kiel, M.A. Magd. Address: St. Cross Rd., Oxford. (*Telephone*: 48239.)

INSTITUTE OF EXPERIMENTAL PSYCHOLOGY, 34 Banbury Rd. (*Telephone*: 55080), founded 1936. Director—Prof. G. Humphrey, Ph.D. Harv., M.A. Camb., M.A. Magd., F.R.S.C.

DEPARTMENT OF ZOOLOGICAL FIELD STUDIES, established by Statute of the Univ. in 1947, to include, under the charge of the Linacre Prof. of Zool. and Comparative Anat. (A. C. Hardy, M.A., D.Sc. Mert., F.R.S., F.L.S.) or a deputy, the BUREAU OF ANIMAL POPULATION (*Telephone*: 4261) and the EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY (*Telephone*: 47826) (first established by Statute of the Univ. in 1938). Now housed at the Old Botanical Lab., High St., Oxford. The work of the Dept. of Zoological Field Studies 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, M.A., Sc.D. Camb., M.A. Magd., F.R.S.

INSTITUTE OF COLONIAL STUDIES. Established by Statute of the Univ. in 1945. The Institute has a library, a seminar room, tutors' rooms and offices at 10 Keble Rd. (*Telephone*: 5754), not far from Rhodes House. The Institute is governed by the Committee for Colonial Studies of the University of Oxford. Dir.: Sir Reader Bullard, K.C.B., K.C.M.G., C.I.E., M.A. Linc. Sec. to the Committee: Mrs. Mary Holdsworth, M.A. St. Hu.

HALIFAX HOUSE. Established by statute of the Univ. in 1950 and run by a Cttee., Halifax House is a hostel, club and social centre for graduate students and sr. members of the Univ., and has premises at 7 Parks Road (*Telephone*: 478981). Warden: Muriel Nicholas.

MAISON FRANÇAISE, 72 Woodstock Rd. (*Telephone*: 48831): cultural centre, established by decree in 1946 and set up originally to promote closer relations between the Univ. of Oxford and the Univ. of Paris. Director: H. Fluchère, M.A.; Asst. Director: R. Hibon, M.A.

SOCIETIES APPROVED FOR HIGHER STUDY AT OXFORD. The following have been approved as Societies for higher study at Oxford, the members of which may have their names entered in the Univ. Register of Diploma students although they are not members of the Univ.:

University Delegacy for Social Training. Courses of training in preparation for the Univ. Diplomas in Public and Social Administration and in Economics and Political Science and for the Univ. Certifs. in Public Administration and in Social Training are provided for graduates and for other qualified students. The cost is at the rate of £15 a term. Further particulars from the Secretary to the Delegacy, 35 Beaumont St., Oxford. (*Telephone*: 4075.)

Catholic Workers' College, 1 Walton Well Road (*Telephone*: 55720) (1921). Subject to accommodation being available, any adult working-class student is admitted provided that the fees are guaranteed, the College regulations accepted and references supplied in proof of good character. The Principal must also be satisfied of the candidate's aptitude as a student. Period of residence, 1 or 2 yrs. Fee, £150 p.a., covering board, lodging, lectures and tuition. Particulars of available scholarships may be obtained on application to the Principal.

Ruskin College, Walton St. (*Telephone*: 55920) (1899). Principal—H. D. Hughes, M.A. A residential college for Adult Education, open on equal terms to men and women students, offering courses in Social Sciences and Trade Union Studies. Foreign students must produce evidence of sufficient knowledge of English to enable them to follow the courses. Fee, £150 p.a. covering board, residence and tuition. A list of scholarships available will be supplied on application to the Secretary.

RUSKIN SCHOOL OF DRAWING AND OF FINE ART, Ashmolean Museum (*Telephone*: 55744), founded by John Ruskin in 1871. Ruskin Master of Drawing—P. Horton, M.A. A Cert. Course in Fine Art is offered by the Univ. for students who reach a proper standard in drawing, painting, design (inclusive of lithography and wood-engraving), anat. and hist. of art. Fees, £12: 12s. per term. This course extends over 4 yrs., except in the cases of students who have had previous full-time training or who succeed in attaining the necessary standard in 3 yrs. Students with certain qualifications may apply for permission to pursue a course extending over not less than 2 yrs. The Cert. Course is recognized by the Ministry of Educn. as an approved course leading to the National Dipl. in Design in Painting. Undergrad. members of the Univ. may become members of the school on payment of a nominal fee.

The OXFORD AND CAMBRIDGE SCHOOLS EXAMN. BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards a General Certificate of Education, which exempts the holder, under certain conditions, from Responsions and the Previous Examination, the 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* pp. 9-10. The Regulations of the Bd. are published by the Oxford and Cambridge Univ. Presses (post free 1s. 10d.). 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), holds examns. and awards a G.C.E. in the summer and autumn, at centres in Gt. Britain and Northern Ireland, in Malta, and at a few other overseas centres. Successful candidates will, on certain conditions, be exempted from Responsions, the Cambridge Previous, various matricn. examns. and Univ. Intermediate Examns. State Scholps. and Major Scholps. of certain L.E.A.s are awarded on the results of the G.C.E.* The Regulations (post free 1s. 6d.) may be obtained from the Secretary of Local Examinations, 12 Merton Street. The Examination is open to persons of both sexes. There is an age limit below which candidates may not enter except under certain conditions. Candidates need not be in attendance at any educational institution.

In Summer 1952 the G.C.E. was held at 706 centres, of which 21 were overseas. The total number of candidates was 27,642, of whom 4020 took some papers at Advanced level.

In Autumn 1952 the G.C.E. was held at 368 centres, of which 13 were overseas. This examn. was limited to Ordinary level papers and there were 6442 candidates.

EXTRA-MURAL STUDIES. The Delegacy for Extra-Mural Studies is concerned with the promotion of the liberal studies of adults, through classes and courses, principally in Oxfordshire, Berkshire and Buckinghamshire, North Staffordshire, Kent and East Sussex, and the City of Lincoln. The constituent cttees. of the Delegacy, through which it functions, are the Tutorial Classes Cttee. and the Univ. Extension Lectures Cttee. It co-operates closely with L.E.A.s, with the W.E.A. and with other voluntary organizations.

The work is carried on through (*a*) 3-yr. tutorial classes, the students of which pledge themselves to complete the course, and to undertake reading and written work under the guidance of the tutor; (*b*) preparatory tutorial classes, of 1 yr.'s duration; (*c*) Univ. sessional classes, usually of 20 to 24 meetings; (*d*) Univ. extension lecture courses, usually of 6 to 24 meetings; (*e*) residential summer schools, including vacation courses for overseas grad. students; (*f*) shorter residential courses; and (*g*) courses, of work of comparable standard, for members of H.M. Forces.

The Warden of Wedgwood Memorial College, Barlaston, North Staffs., is one of the Delegacy's extra-mural tutors. The Delegacy co-operates also with the Y.M.C.A. residential college at Kingsgate, Kent.

The cttees. of the Delegacy employ 31 full-time tutors and lectrs. (*see* p. 434) resident in the areas covered by the Univ.'s extra-mural activities.

The Delegacy offers a number of scholps. to enable suitable men and women in the adult educn. movement to come up to the Univ. and read for degrees. They may also recommend the admission of adult students to the Univ. without the necessity of passing Responsions.

Address: Rewley House, Wellington Square, Oxford (*Telephone*: 57203). Secretary to the Delegacy, F. W. Jessup, B.A., LL.B. Lond., M.A. St. Joh., F.S.A. Organizing Sec., Tutorial Classes Cttee., F. V. Pickstock, M.A. Qu. Sec., Univ. Extension Lectures Cttee., D. J. Wenden, M.C., M.A. Wadh.

**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*:

* *See* pp. 9-10.

*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) Subscriptions to Clubs vary; say, £8 : 8s. to £10 : 10s. p.a. (3) The method of reckoning fees and charges varies. In some Colls. there is an inclusive charge of £65 to £70 per term. This charge covers item (1), board (breakfast, lunch, dinner), lodging, service, fuel and lighting (but not personal laundry). Some Colls. scale the charge according to the rooms occupied; some make other minor adjustments. In other Colls. the main items are included in a terminal composite fee of about £65 per term, the remaining items being charged separately. Either system leads to a total Coll. bill of between £80 and £100 per term. (4) Degree fees, which vary between £5 and £1.

The scale of charges is under consideration in many Colls. and may be adjusted to meet any considerable changes in maintenance and service costs.

VACATION COURSES. *See under* Extra-Mural Studies on p. 465.

PRINCIPAL STUDENT ATHLETIC FACILITIES. There are facilities at Oxford for the following games and athletic pursuits: boating, athletic sports, cricket, Association football, Rugby football, golf, relay races, running, hockey, ice hockey, lawn tennis, polo, tennis, rackets, squash rackets, boxing, fencing, lacrosse, swimming, yachting, shooting, badminton, jiu-jitsu.

PUBLICATIONS. *Calendar* (Jan.), 18s. net (includes lists of University officers, boards and committees; professors, readers, lecturers and demonstrators; institutions; fellowships, scholarships and prizes; and information relating to membership of Colls., Halls and other Societies; it also includes the Honours Lists from 1950). Honours, 1901–30, are given in the *Supplement to the Historical Register*, 7s. 6d. net, together with much other historical information, and honours from 1931 to 1950 in a *Supplement 1931–50* (10s. 6d. net) recently published. Honours to 1900 are in the *Historical Register*, which is now out of print. *Handbook to the University of Oxford*, 10s. 6d. net; (i) a general section on history, constitution and government, the tutorial system, life in college (and its cost), etc.; (ii) a statistical section on degree courses and the like; *Responsions* Pamphlet (June), 6d. net, by post 7½d. (Regns. with dates of examns. and general information); *General Information* (admission, residence, entrance scholarships, examns. for B.A., etc.), 6d. net, by post 7½d.; *Facilities for Advanced Study and Research* (details of the Diplomas and higher Degrees open to graduates of other Universities), 6d. net, by post 7½d.; *Statuta* (Oct.), 10s. net; *Examn. Statutes* (Sept.), 3s. 6d. net (post, 4s.); *Pocket Diary* for academic year (Oct.), 7s. 3d. net (by post 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: A. à Wood, *Hist. of the Univ. of Oxford*, 3 vols., 1792–96; A. à Wood, *Athenæ Oxon. (with Fasti)*, ed. by P. Bliss, 4 vols., 1813–20; H. C. Maxwell-Lyte, *Hist. of the Univ. of Oxford to 1530*, 1886; J. Foster, *Alumni Oxon., 1550–1886*, 8 vols., 1887–92; *The Colleges of Oxford*, ed. by A. Clark, 1891; *College Histories*, published by F. E. Robinson & Co.; C. Headlam, *The Story of Oxford*, 1907; Sir C. Mallet, *Hist. of the Univ. of Oxford*, 2 vols., 1924; F. P. Barnard and T. Shepard, *Arms and Blazons of the Colleges of Oxford* (O.U.P., 7s. 6d. net); C. R. L. Fletcher, *A Handy Guide to Oxford* (O.U.P., 2s. 6d. net); *The Government of Oxford*, 1931.

UNIVERSITY PRESS. (For Staff, *see* p. 435.) 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.

Addresses of Publishing Depts. in England: *Oxford*: The Secretary to the Delegates, Clarendon Press, Oxford (*Telephone*: Oxford 57457); *London*: The Publisher to the University, Oxford University Press, Amen House, London, E.C.4 (*Telephone*: London, City 7701); and of the Printer to the University: Clarendon Press, Oxford (*Telephone*: Oxford 2265).

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS AND BEQUESTS. Lord Nuffield, £50,000 for extension & equipment of Nuffield Dept. of Med.; Rev. E. Williams, £1000, for res. work in prevention and cure of leukæmia; Dr. J. G. Milne, bequest for maintenance of Coin Collection in Ashmolean Museum; anonymous gift of £4000 for endowment of study of Near-Eastern Archæol.; Nuffield Foundation grants for work in Inst. of Stats., Nuff. Inst. of Med. Res., Dyson Perrins Lab., Dept. of Zool. & Comp. Anat., & Dept. of Bot.; Rockefeller Fn. grants, for work or equipment in Dyson Perrins Lab., Nuff. Inst. for Med. Res., & Biochem. Dept.; A. A. Houghton, Jr., & F. E. Norris, gifts for Bodleian Library; Squibb Inst. grants, for Med. Res., & Messrs. Ch. Pfizer & Co. Inc., for use of Prof. of Pathol.; Sir Halley Stewart Trust, Chilean Nitrate & Iodine Sales Corpn., & Chilean Iodine Educational Bureau, grants for lab. of human nutrition; Wellcome Trust & Lilly Res. Labs., grants for Dept. of Biochem.; Messrs. Eli Lilly & Co., grant for Dept. of Physiol.; bequests from Cecil Jackson and W. G. L. Gare.

NEW BUILDINGS. New Physiol. Lab.; extension of Inorganic Chem. Lab.; 1st residential part of Nuffield Coll.; additl. bldgs. begun for Wadh., St. Pet. H. & Or.; Osler House lecture theatre & pathological museum.

NEW POSTS. Sr. Res. Officer's post in Dept. of Agric.; and 3 appts. by the General Bd. to Demonstratorships.

OTHER DEVELOPMENTS. Incorporation of Keble as a full college for all Univ. purposes; incorporation of St. Anne's Coll. as a self-governing society of women students.

LEGISLATION AND CHANGES IN REGULATIONS. Relinquishment of gift from J. H. Whitehouse of Brantwood Estate and abolition of Cttee. of Management; establishment of Advisory Cttee. for Forestry and abolition of Cttee. for control of Dept. of Forestry; tenure of Bywater & Sotheby Professorship of Byzantine and Modern Greek made until normal age of retirement; continuance of Professorship of Colonial Econ. Affairs until present holder reaches age limit or resigns; Cttee. for Col. Studies more closely associated with faculty organization, & financial responsibility taken over by Gen. Bd.; various minor changes in regulns. for examns. and res. students; minor alterations in regulns. for Univ. lectureships, scholps. and prizes.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Fulbright Scheme: Prof. N. F. S. Ferré, Vanderbilt; Prof. I. A. Leonard, Mich.; Prof. M. Weitz, Vassar; Prof. P. H. Odegard, Calif.; Prof. A. Keys, Minn.; Dr. E. Griffith, Library of Congress; B. Buchanan, Chic. & Yale.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Le Gros Clark, Malaya; Prof. S. Chapman, Alaska; Prof. K. C. Wheare, A.N.U.; Prince Obolensky, Dumbarton Oaks; F. A. Burchardt, Stanford; K. A. G. Mendelssohn, Rice Inst., Houston, Texas; Prof. J. H. Burn, Corn., Col., Yale, Johns H., etc.; C. H. Roberts, Inst. of Adv. Study, Prin.

RETIREMENTS. Rev. V. J. K. Brook, Censor of St. Catherine's Soc.; Sir C. K. Allen, Warden of Rhodes House; Dr. H. J. Paton, White's Prof. of Moral Phil.; G. E. K. Braunholtz, Prof. of Comparative Philol.

RESIGNATIONS. Sir Sarvepalli Radhakrishnan (Spalding Prof. of Eastern Religions and Ethics), apptd. Vice-President of India; W. A. C. H. Dobson (Lectr. in Chinese), apptd. prof. at Tor.; O. L. Zangwill (Lectr. in Gen. Psychol.), apptd. prof. at Camb.

DEATHS. Prof. J. G. C. Anderson; G. H. Barter; Lord Lindsay of Birker; Sir Hugh Cairns; E. I. Carlyle; Prof. W. J. Entwistle; Rev. E. H. Fellows; Rt. Hon. Lord Greene; Sir Hubert Henderson; Miss M. C. G. Hugon; P. C. Lyon; Sir Humphrey Milford; Sir Arthur Pickard-Cambridge; Miss E. W. Rooke; Sir Charles Sherrington; Prov. N. V. Sidgwick; Prof. D. A. Stauffer; G. H. Stevenson; Sir R. C. Witt.

HONORARY DEGREES. *D.C.L.*—Dean Acheson; Sir Wallace Akers; Rt. Hon. R. A. Butler; Rt. Hon. Sir Oliver Franks, Hon. Fellow of Qu., formerly British Ambassador at Wash.; Rt. Hon. Sir Walter Monckton; Mr. Justice Read, Hon. Fellow of Univ.; Justice Owen Roberts. *D.Litt.*—Prof. E. Faral, Administrateur du Collège de France; Rev. D. Knowles, O.S.B., Prof. of Med. Hist., Camb.; W. Somerset Maugham, novelist; Dr. G. M. A. Richter, Archæologist; Prof. Sir Charles Webster, L.S.E.; *M.A.*—Lady Dorothy Allen; Miss M. C. A. Deneke, Hon. Fellow of L.M.H.; R. E. Moreau, ornithologist.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 6005 |
| Women | .. | 1088 |
| Total | .. | 7093 |

Postgraduate students, 1210.

New admissions, 2337.

Students from other countries, 734. (Countries from which largest numbers came : U.S.A., 200 ; Australia, 87 ; S. Africa, 69 ; Canada, 67 ; India, 44 ; British W. Indies, 27 ; N.Z., 27 ; France, 22.)

DEGREES. *Arts* : B.A., 1708 and 9 incorporations ; M.A., 1039 and 21 incorporations ; D. Litt., 2 ; B.Litt., 55 ; B.Phil., 10. *Div.* : B.D., 8 ; D.D., 6. *Law* : B.C.L., 20 ; D.C.L., 1. *Med.* : B.M., B.Ch., 78 ; M.Ch., 1 ; D.M., 15. *Music* : B.Mus., 3 ; D.Mus., 1 by incorporation. *Sci.* : B.Sc., 36 ; D.Sc., 0. *All Facs.* : D.Phil., 112.

[*Information compiled as at* 10/6/53 ;
*Staff list revised on* 22/9/53.]

# UNIVERSITY OF READING*

Founded 1926

*Postal Address* : Reading, Berkshire, England.
*Telephone* (Registrar) : Reading 4422.

VISITOR—H.M. THE QUEEN.
CHANCELLOR—The Rt. Hon. THE VISCOUNT TEMPLEWOOD, G.C.S.I., G.B.E., C.M.G., D.C.L., LL.D., D.Litt.
VICE-CHANCELLOR—J. F. WOLFENDEN, C.B.E., M.A. Oxon.
PRESIDENT OF THE COUNCIL—Sir GEORGE R. MOWBRAY, M.A. Oxon.
TREASURER—M LUBBOCK, M.A. Oxon.
REGISTRAR—E. SMITH, B.Litt. Oxon., M.A., B.Sc. Liv.
LIBRARIAN—A. MARY KIRKUS, B.A. Lond., M.A., F.R.Hist.S., F.L.A.
BURSAR—E. H. CARPENTER.

## TEACHING STAFF

*Agriculture, etc.*, v. *infra*

*Art* (School of Art)
Betts, J. A. Prof.
Lecturers
Bayford, Valerie E. (Embroidery, etc.).
Carter, A. C., F.R.B.S. (Modelling and Sculpture).
Clark, H. F. (Landscape Archit.).
Finney, H. (Drawing and Painting).
Ormrod, F. (Design).
McCance, W. (Typog., etc.).
Davies, T. Barry (Art Educn.).
Redman, H. V.
Sessional Lecturers (Pt.-time)
Stanfield, Marion W., F.R.S.A. (Sculpture).
Ettlinger, L. D., Ph.D. Marburg (Hist. of Art).
Evans, J. B.

*Biochemistry*, v. Agr.

*Botany*, v. also Agr.
Harris, T. M., M.A., Sc.D. Camb., B.Sc. Lond., F.R.S. Prof.
Lecturers
Maxted, Mrs. Barbara, B.Sc., Ph.D. Lond. (Pt.-time).
Hora, F. B., B.A., D.Phil. Oxon.
Watson, E. V., B.Sc., Ph.D. Edin.
Warren Wilson, J., M.A., D.Phil. Oxon. (on leave).
1 Asst.

*Chemistry*, v. also Agr.
Guggenheim, E. A., M.A., Sc.D. Camb., F.R.S. Prof.
Lecturers
Maxted, D. R., B.Sc. Lond.
Cheesman, G. H., B.Sc., Ph.D. Lond., D.I.C., F.R.I.C.
Holt, P. F., B.Sc., Ph.D. Lond.
Halberstadt, E. S., B.Sc., Ph.D. Lond.

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

Prue, J. E., M.A., D.Phil. Oxon.
Leese, C. L., B.Sc., Ph.D. Lond.
McGlashan, M. L., M.Sc. N.Z., Ph.D.

*Classics*

Cormack, J. M. R., B.A. Camb., M.A. Aberd.
Dean, Fac. of Letters, Prof.
Williams, R. D., M.A. Camb. Lectr.
Stephen, Mrs. Gwendolen M., M.A. Camb. Lectr.
Creed, J. L., B.A. Camb. Lectr.
Wardman, A. E., B.A. Camb.
Asst. Lectr.
Ure, Mrs. Annie D., B.A. Lond. (Gk. Archæol.)
Hon. Res. Fellow.

*Dairying*, v. *infra*

*Education*

Dobinson, C. H., M.A. Oxon., B.Sc. Lond. Prof.

Lecturers

Campbell, Isabella E., M.A., B.Ed. Edin., Ph.D., F.B.Ps.S.
Armstrong, H., M.A. Lond., M.Sc. Leeds, M.Ed. Durh.
Mallinson, V., M.A. Leeds.
Murray, Clara A., B.Sc. Lond.
Fleming, Mary A., B.A.
Bentley, A., B.A.

*English*

Gordon, D. J., M.A. Edin., Ph.D. Camb., F.R.Hist.S. Prof.

Lecturers

Young, Jean I., M.A., Ph.D. Camb.
Sr. Lectr.
Salu, Mary B., B.A. Durh., B.Litt. Oxon.
Kermode, J. F., M.A. Liv.
Wain, J. B., M.A. Oxon. (on leave).
Calder, I. R. F., M.A. Camb.
Meneghello, L., Dott. Lett. Padua (Italian Studies).

*French*

Lehmann, A. G., M.A., D.Phil. Oxon. Prof.

Lecturers

Paton, Dorothea A., M.A. Oxon.
Sr. Lectr.
Bowen, R., D. de l'U. Stras , B.A.
Dale, Emily H., B.A., Ph.D.
Allix, Georgette.

*Geography*

Miller, A. A., D.Sc. Lond.
Dean, Fac. of Sci., Prof.

Lecturers

Frood, A. M., M.A. Liv.
Parry, M., B.Sc. Lond., M.Sc.
Lucas, G. R., B.A. Liv.
Wood, P. D., M.A. Wales.

*Geology*

Allen, P., M.A. Camb., B.Sc., Ph.D. Prof.
Walder, Phoebe S., B.Sc. Lond. and R'dg., F.G.S. Lectr.
Hodson, F., B.Sc. Lond., Ph.D., F.G.S. Lectr.
Sibly, T. C. F., M.A. Camb., B.Sc., F.G.S. Lectr.
Rose, G. N., B.Sc. Lectr.

*German*

Pickering, F. P., B.A. Leeds, Ph.D. Bres. Prof.
Ievers, S. E., B.A. Dub. Lectr.
Reilly, Pamela M. A., M.A., Ph.D. N.U.I. Lectr.
2 Assts.

*History, Modern*

Aspinall, A., M.A., D.Litt. Manc., F.R.Hist.S. Prof.

Lecturers

Stenton, Doris M. (Lady Stenton), B.A. Lond., D.Litt., F.B.A., F.R.Hist.S. Sr. Lectr.
Dodwell, Barbara, M.A. Lond., F.R.Hist.S.
Slade, C. F., B.A.

Smith, E. A., B.A. Camb.
Asst. Lectr.

*Mathematics*

Neville, E. H., M.A. Camb., B.Sc. Lond. Prof.

Lecturers

White, P., M.A., Ph.D. Camb.
Ternouth, Elsie J., M.A. Glas.
Rees, Mary R., M.Sc. Liv., Ph.D. Belf.
Kreisel, G., B.A. Camb.
Dresel, L. A. G., M.A. Camb.
Lectr.

*Microbiology*

Knight, B. C. J. G., D.Sc. Lond.
Prof.
Richards, T., B.Sc., Ph.D. Lond.
Sr. Lectr.
Shattock, P. M. Frances, B.Sc. Edin., Ph.D. Lectr.
Rhodes, Muriel E., B.Sc. Lond.
Lectr.
Chislett, Margaret E., B.Sc. (Dairying) 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., M.A., D.Phil. Oxon. Lectr.
Coulthard, Jean, B.A. Wales
Asst. Lectr.

*Physics*

Ditchburn, R. W., B.Sc. Liv., M.A., Ph.D. Camb. Prof.

Lecturers

Rymer, T. B., M.A. Camb., Ph.D. Lond., F.I.P. Sr. Lectr.
Sixsmith, H., B.A. Dub.
Henisch, H. K., B.Sc., Ph.D.
Heavens, O. S., B.Sc. Lond., Ph.D.
Jutsum, P. J., B.Sc.
Mitchell, E. W. J., M.Sc. Sheff., Ph.D. Brist.
Robinson, K., B.Sc. Leeds, Ph.D. Leeds and Camb.

Research Physicists

Tomlin, D. H., B.Sc., Ph.D. Lond.
Reynolds, W. N., B.Sc, Ph.D. Lond.
Banbury, P. C., M.A. Oxon., Ph.D.

*Political Economy*

Lecturers

Budden, E. S., M.A., D.Phil. Oxon.
Indept. Lectr.
Carr, J. L., B.Sc. (Econ.) Lond.
Parkinson, Mrs. June T, B.A.
Burton, K. G., M.A. Asst. Lectr.

*Psychology*

Oldfield, R. C., M.A. Camb., F.B.Ps.S. Prof.
Vernon, Magdalen D., M.A. Camb., F.B.Ps.S. Sr. Lectr.
Stafford-Clark, D., M.D., B.S., D.P.M. Lond. (Psychopathol.)
Lectr.
Bruce, D. J., B.A. Asst. Lectr.

*Zoology*

Graham, A., M.A., B.Sc. Edin., D.Sc. Lond. Prof.
Eales, Nellie B., D.Sc. Lond.
Sr. Lectr.
Crichton, M. I., B.Sc. Edin. Lectr.
Mann, K. H., B.Sc. Lond. Lectr.
Williams, G., B.Sc. Lectr.
Stoneman, W. E., M.A. Camb.
Museum Curator.
White, Kathleen M., M.Sc., Ph.D.
Hon. Res. 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. Sr. Lectr.
Fox, S., M.A. Camb.

Dominy, J. N., F.R.I.C.S. (Surveying and Bldg. Constructn.).
Pearce, J., Ph.D.
Gibb, J. A. C., M.A. Camb., M.Sc. Durh. (Farm Mech.).
Jewell, C. A., B.Sc. (Agric.).
Morris, T. R., B.Sc. Asst. Lectr.

*Agricultural Botany*

Brierley, W. B., D.Sc. Manc., F.L.S. Prof.

Lecturers

Erith, Adela G., B.Sc., Ph.D. Lond. Sr. Lectr.
Waldie, J. S. L., B.Sc. Edin.
Snow, D., Ph.D. Glas., B.Sc. (Agric.).
Owen, H., B.Sc. (Agric.).
Haworth, Greta, M.Sc. Manc.
Cooper, J. P., B.Sc. (Agric.), Ph.D.

*Agricultural Chemistry*

Tyler, C., B.Sc., Ph.D. Leeds, F.R.I.C. Prof.
Grimbleby, F. H., B.Sc. Leeds, Ph.D. Lectr.
Tinsley, J., B.Sc. (Agric.), Ph.D, F.R.I.C. Lectr.
Wild, A., B.Sc. Leeds, Ph.D. Lectr.
Taylor, T. G., M.A. Camb. Lectr.
Hassall, K. A., B.Sc. Lond., B.Sc., Ph.D. Lectr.
Moore, J. H., B.Sc. Wales, Ph.D. Lectr.
Hand, C. J. E., B.Sc. (Agric.) Asst. Lectr.
Geake, F. H., M.Sc. Brist. Hon. Res. Fellow.

*Agricultural Economics*

Thomas, E., B.Litt. Oxon., B.Sc. Wales
Prof. and Provincial Agricultural Economist.
Bisset, G. B., B.Sc. Aberd., M.S. Corn. Sr. Res. Economist.
Blagburn, C. H., B.Sc. (Agric.) Lond. Sr. Res. Economist.
Bennett, L. G., Ph.D.
Sr. Res. Economist.
Tuck, R. H., M.A. Oxon. Lectr.
Mills, F. D., B.A. Manc. Lectr.
Higgs, J. W. Y., M.A. Camb. (Hist. of Agric.) Lectr.
Matheson, Kennethina, B.Sc. (Agric.) Glas. Res. Asst.
5 Res. Economists.

*Bacteriology* (N.I.R.D.) *

Mattick, A. T. R., B.Sc., Ph.D. Lond. Head.
Berridge, N. J., B.Sc., Ph.D. Birm.
Neave, F. K., B.S.A. Tor.
Sharpe, M. Elisabeth, B.Sc. Lond., Ph.D.
Clegg, L. F. L., B.S.A. Tor., Ph.D. Lond., D.I.C.
Wheater, Dorothy M., B.Sc. Leeds.
Briggs, C. A. E., Ph.D.
Garvie, Ellen I., B.Sc., Ph.D. Lond.
6 Assts.

*Biochemistry*

Kay, H. D., C.B.E., Ph.D. Camb., D.Sc. Manc., F.R.S. Res. 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.
3 Assts.

*Dairy* (N.I.R.D.)

Chapman, Helen R. Head.
2 Assts.

*Dairying*

Crossley, E. L., B.Sc. Lond., F.R.I.C. Prof.
Sheppard, Anne Lectr.
Cheke, Valerie E. Lectr.

* N.I.R.D. = National Institute for Research in Dairying, v. p. 475.

Rothwell, J., B.Sc. (Dairying). Lectr.

*Dairy Engineering* (N.I.R.D.) *

Hall, H. S., B.Sc. (Agric.) Head.
Thiel, C. C., B.Sc. (Agric.) W.Aust., Ph.D.
Burton, H., B.Eng. Sheff., M.Sc.
Suffolk, S. F., B.Sc. Lond.
Hutchinson, J., B.Sc. Manc.
5 Assts.

*Dairy Husbandry* (N.I.R.D.)

Foot, A. S., M.Sc. Head.
Braude, R., Ph.D.
Dodd, F. H., B.Sc. (Agric.).
Mitchell, K. G., B.Sc. (Agric.).
Line, C., B.Sc. (Agric.).
8 Assts.

*Feeding and Metabolism* (N.I.R.D.)

Bartlett, S., M.C., B.Sc. (Dairying), Ph.D. Head.
Balch, C. C., B.Sc. (Agric.), Ph.D.
Legg, S. P., M.C., B.A. Camb., B.Sc. (Agric.).
Pope, G. S., D.Phil. Oxon., B.Sc.
Roy, J. H. B., M.A. Camb.
6 Assts.

*Horticulture*

Stoughton, R. H., D.Sc. Lond. Dean, Fac. of Agric. and Hortic., Prof.

Lecturers

Hole, Doris R., B.Sc. Lond.
Fraser, H.
Barnwell, R., B.Sc. (Hortic.).
Hoyle, Mrs. M. Delphine A., B.Sc. (Hortic.), Ph.D.
Vince, Daphne, B.Sc. (Hortic.) Lond., M.S. Calif., Ph.D.
Harris, Elspeth M., M.S. Corn., B.Sc. (Hortic.) Asst. Lectr.
Webb, F. W. Manager and Instr. at Hortic. Station.
1 Demr.

*Isotopes* (N.I.R.D.) [Head.

Glascock, R. F., B.Sc., Ph.D. Lond.
1 Asst.

*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.
Holdsworth, E. S., Ph.D. Leeds.
Harrison, G. F.
Ford, J. E., B.Sc. Leeds.
Gregory, Margaret E., M.Sc. Manc.
1 Hon. Res. Fellow, 3 Assts.

*Physics* (N.I.R.D.)

Blair, G. W. Scott, M.A. Oxon., D.Sc., Ph.D. Lond., F.R.I.C., F.I.P. Head.
Glover, F. A., B.Sc. Lond.
Prentice, J. H., B.Sc. Lond.
Wearmouth, W. G., B.Sc., Ph.D. Durh.
4 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.
Terner, C., B.Sc. Lond., Ph.D. Sheff.
1 Hon. Res. Fellow, 2 Assts.

*Statistics* (N.I.R.D.)

Cox, C. P., M.A. Oxon. Head.
Cox, Mrs. Pamela M., B.A. Oxon.
1 Asst.

*Veterinary Hygiene*

Male, N. P., B.Sc. Edin. Lectr.

*Veterinary Science*

Barron, N. S., B.Sc. Lond., Ph.D. Vet. Surgeon.

**University Extension**

8 Tutors.

* N.I.R.D.=National Institute for Research in Dairying, v. next page.

## ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HALLS OF RESIDENCE: J. S. L. Waldie, B.Sc. Edin. (Wantage Hall); T. R. M. Creighton, M.A. Camb. (St. Patrick's Hall); J. W. Y. Higgs, M.A. Camb. (Whiteknights Park House); Ursula F. Martindale, M.A. Camb. (St. Andrew's Hall); Evelyn M. Wiseman, M.A. Aberd. (Wessex Hall); Moya K. Cahill, LL.B. Belf. (St. George's Hall); Mabel M. Richardson, B.Sc., Ph.D. Durh. (Mansfield Hall); E. S. Budden, M.A., D.Phil. Oxon., Adela G. Erith, B.Sc., Ph.D. Lond. (St. David's Hall).

ASSISTANT REGISTRAR. J. F. Johnson, B.A.

MAINTENANCE OFFICER AND SURVEYOR. A. C. Wilkinson, F.R.I.C.S.

ACCOUNTANT. H. Dalston.

KEEPER, MUSEUM OF ENGLISH RURAL LIFE. J. W. Y. Higgs, M.A. Camb.

## CONSTITUENT INSTITUTION

The NATIONAL INSTITUTE FOR RESEARCH IN DAIRYING, Shinfield, nr. Reading (*Telephone*: Reading 83103), established by the Ministry of Agric. and Fisheries in 1912, forms part of the Univ. (Director—H. D. Kay, C.B.E., Ph.D. Camb., D.Sc. Manc., F.R.S.). It is governed by a Board consisting of representatives of the Ministries of Agric. and Health, R.A.S. of England, British Dairy Farmers' Assocn., Nat. Farmers' Union, etc. It has eight Depts.: Chemistry, Bacteriology, Feeding and Metabolism, Dairy Husbandry, Nutrition, Physics, Physiology, Dairy Engineering; and three Sections: Statistics, Dairy, and Isotopes.

## GENERAL INFORMATION

Based upon the local Oxford Univ. Extension Centre and the local Schools of Sci. and Art, and deriving its first impetus largely from Christ Church, Oxford, a University Extension College was opened at Reading in 1892. In 1902 it established a claim to a State grant as a Univ. Coll. In 1904 and 1905 it received endowments of land and money from the Palmer family. Wantage Hall, endowed by Lady Wantage, was built in 1908 as a residence for men students, the declared policy of the Council being to make residence in a Hall the rule and not the exception. An Endowment Fund of £200,000 was subscribed in 1911 by the benefactors already mentioned. The Univ. was established by Royal Charter on March 17, 1926. Among various developments two call for special notice. One is the establishment, in connexion with the Coll. and Univ., of the National Institute for Research in Dairying. The other is the bldg. and endowment of the Library, the costs of which were defrayed by Mr. Alfred Palmer and members of his family; the bldg. constitutes a memorial to the late Rt. Hon. George William Palmer, one of the chief benefactors of the Coll.

The Univ. has steadily grown. Because of the inadequacy of its present site, it acquired in 1947 the freehold of the Whiteknights Park Estate of nearly 300 acres of parkland (approx. one mile from centre of Reading), to which it is hoped ultimately to transfer the whole Univ.

LIBRARY, 103,330 vols., including Overstone collection (7500 vols.) of books on Polit. Econ. (pubd. before 1850), English and French thought during 18th century, and topography (especially Northamptonshire); 25,000 pamphlets. 550 periodicals are received. MUSEUMS: Zool., Hist., Archæol., and English Rural Life. LABORATORIES: Bot., Chem., Geol., Mech., Microbiol.,

Physics, Psychol., Zool. Fine Art Studios. School of Music. Agricultural Machinery Hall. Two farms (359 and 400 acres) and Horticultural Station.

FACULTIES AND DEANS: *Agric. and Hortic.*, Prof. R. H. Stoughton (Hortic.); *Letters*, Prof. J. M. R. Cormack (Classics); *Science*, Prof. A. A. Miller (Geog.).

SCHOOLS: Art, Music.

ADMISSION. *See* Appendix I.

DEGREES. B.A., M.A., D.Litt.; B.Sc., M.Sc., D.Sc.; Ph.D. The B.Sc., M.Sc. and D.Sc. are obtainable in the Faculty of Agriculture and Horticulture as well as in the Faculty of Science. The Senate may decline to admit to a degree course a person whose place of residence during term is at too great a distance from Reading.

An oral examination forms part of the Final examn. for a B.A. degree with honours, except in Mathematics, and, at the discretion of the Examiners, may form part of the First University Examn. in Arts or of the Final Examn. for the B.A. degree, or of the Intermediate or Final Examn. for the B.Sc. In the Final Examn. for the B.Sc. in the Faculty of Science, candidates are examined upon either a general course of study (normally 3 subjects) or a special course; honours can be obtained in either 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; 1 yr.—Adv. Landscape Architecture; and 1 yr. (postgrad.)—Agriculture, Agricultural Econ., Hortic., General Bacteriol., Agric. Chem., Education, Social Study, Technical Physics.

A limited number of students is accepted each year in preparation for the National Dipl. in Dairying (Technol.) (2-yr. course).

TUTORIAL SUPERVISION. Every student following one of the organized day courses or a specially arranged day course involving frequent attendance at the Univ. for at least 2 terms is placed under the supervision of a tutor.

A RESEARCH BOARD promotes research and original work in the Univ. (apart from the National Institute for Research in Dairying). It administers funds entrusted to it for the purpose, and issues an annual record and report.

TERMS. 3, each of 10 weeks, the first beginning on the first Friday in Oct. Vacations of 4 weeks at Christmas and 5 weeks at Easter.

RESIDENCE. All students following full courses of day study, unless residing with parents or guardians, are ordinarily required to reside in a University Hall of Residence. (For Wardens *see* "Administrative and other Staff," p. 475; for Fees *see* "Expenses," *infra.*) For Men: Wantage, Upper Redlands Rd., 122 students (*Telephone*: R'dg. 81198); St. Patrick's, Northcourt Ave., 142 students (*Telephone*: R'dg. 81583); Whiteknights Park House, 23 students (*Telephone*: R'dg. 81782). For Women: St. Andrew's, Redlands Rd., 132 students (*Telephone*: R'dg. 3069); Wessex, Redlands Rd., 85 students (*Telephone*: R'dg. 2265); St. George's, Elmhurst Rd., 72 students (*Telephone*: R'dg. 81528); Mansfield, Kendrick Rd., 65 students (*Telephone*: R'dg. 931). Full-time day students living in recognized houses or at home in or near Reading, are associated in St. David's Hall, a non-residential club.

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

FEES. For Tuition: Ph.D. course—£10 or £15 p.a.; M.A. course—£10 p.a.; M.Sc. course—£15 p.a.; Bachelor's Degree course—Arts, £30 p.a.; Sc., £35 p.a.; Diploma course—Landscape Archit., £30; Adv. Landscape Archit., £35; General Bact. (postgrad.), £35; Agric. Chem. (postgrad.), £35; Agric. (postgrad.), £35; Agric. Econ. (postgrad.), £35; Hortic. (postgrad.), £35; Tech. Physics (postgrad.), £35; Fine Art, £30 p.a.; Social Study (postgrad.), £30. Tuition fees are in most cases reduced by 25 per cent. to students from neighbouring counties, under certain conditions.

EXPENSES. Total average necessary yearly expenses (excluding travelling, clothing and personal laundry) about £195 p.a., namely: (i) Registration, matriculation, cap and gown, tuition, examination, and graduation, average £45 p.a. for a degree student. (ii) Maintenance, including board and lodging in Halls or lodgings and sanatorium fee, maximum for 30 weeks about £130 for either a man or a woman student. (iii) Personal, including subscription to Union (£5 : 5s. p.a.), and cost of books and stationery, widely variable, say, £15 p.a.

APPOINTMENTS. The Registrar.

STUDENT ORGANIZATIONS. Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

STUDENT ATHLETIC FACILITIES. Gymnasium; Athletics Grounds; Squash Courts; Rowing facilities.

UNIVERSITY EXTENSION, ETC. Evening classes are held in Fine Art. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar* (Sept.), 5s.; *University Gazette*; *General Prospectus* (illustrated); *Departmental Prospectuses* (Degree courses, Education, Agriculture, etc., inc. Landscape Architecture, Fine Art, Music; Scholarships and Studentships). *Making a University: an Account of the University Movement at Reading*, by W. M. Childs (Dent, 1933).

## THE YEAR 1951–52

BENEFACTION. £2500 under will of late A. G. West, formerly Vice-Pres. Univ. Council.

PRINCIPAL CHANGES IN REGULATIONS. Introducn. of Psychol. as subj. for B.Sc. courses. Institution of postgrad. Dipl. in Agric. Chem. and Advanced Dipl. in Landscape Archit.

ADULT EDUCATION. In conjunction with W.E.A., 7 Tutorial and 2 Sessional Classes organized.

RETIREMENTS. Prof. H. L. Hawkins (Geol.); Prof. C. H. O'Donoghue (Zool.); R. L. Pearson (Warden, Whiteknights Pk. Hse.).

RESIGNATIONS. Isobel A. Turner (Warden, St. George's Hall); J. Getty (Agric.); W. M. Gray (Phys.); R. W. K. Hinton (Mod. Hist.); A. H. Iliffe (Psychol.); Joan Whitmore (Dairying); M. S. Wills (Phys.).

DEATHS. H. A. D. Neville (Prof., Agric. Chem., 1919–47); Emily K. Little (Instructress in Dairying 1906–20, Warden, St. George's Hall, 1920-30); Mrs. A. G. West (Member of Court).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 144 | 569 |
| Women | 150 | 477 |
| Total | 294 | 1046 |

Postgraduate students, 228.

New admissions, 320.

Students (full-time) from other countries, 25. (Countries from which largest numbers came: Egypt, 5; British W. Africa, 4; British E. Africa, 2; U.S.A., 2.)

DEGREES. *Agriculture and Horticulture*: B.Sc., Pass—Agric., 29, Dairying, 15, Hortic., 21; B.Sc.Hons.—11; M.Sc., 4; Ph.D., 6; D.Sc., 1; *Letters*: B.A., 103; M.A., 3; Ph.D., 1; *Science*: B.Sc., 59; M.Sc., 4; Ph.D., 7.

DIPLOMAS. Fine Art, 2; Landscape Archit., 1; *Postgrad.*—Educn., 65; Soc. Study, 3; Gen. Bact., 4; Agric., 12; Hortic., 2.

[*Information compiled as at* 15/6/53, *Staff list revised on* 20/9/53.]

# UNIVERSITY OF SHEFFIELD*

Founded 1905

*Postal Address*: Sheffield, 10, England.
*Telephone*: Sheffield 27451.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. THE EARL OF HALIFAX, K.G., O.M., G.C S.I., G.C.I.E., D.C L. Oxon., LL.D.

PRO-CHANCELLORS—Sir FRANCIS STEPHENSON, O.B.E., T.D., D.L.; GERARD YOUNG.

VICE-CHANCELLOR—J. M. WHITTAKER, M.A. Camb., D.Sc. Edin., F.R.S.

PRO-VICE-CHANCELLOR—Professor DENIS BROWNE, M.A. Oxon.

TREASURER—Lt.-Col. W. H. OLIVIER, M.A., F.C.A.

REGISTRAR—A. W. CHAPMAN, D.Sc. Lond., F.R.I.C.

BURSAR—R. M. URQUHART, M.A. St. And.

LIBRARIAN—S. A. PEYTON, Ph.D. R'dg.

## TEACHING STAFF

*Accountancy*

Smith, C. A., LL.M., F.C.A. (in charge of Dept.) Sr. Lectr.
Downing, F., F.C.A. Pt.-time Lectr.

*Anatomy*

Davies, F., D.Sc., M.D., B.S. Lond. A. Jackson Prof.
Haines, R. Wheeler, D.Sc., M.B., B.S. Lond. Sr. Lectr.

Lecturers

King, T. S., M.B., Ch.B. Liv.
Johnson, F. R., M.D. Belf.
Samuel, E. P., M.D., Ch.B., M.Sc. Manc.
McMinn, R. M. H., M.B., Ch.B. Glas.

Demonstrators

Ashby, W. B., M.B., Ch.B. Liv.
MacQueen, I. J., M.B., B.S. Lond.
Sneath, R. S.
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. P., F.R.C.S.

*Architecture*

Welsh, S., M.A., B.Arch. Liv., F.R.I.B.A. Prof.
Drought, A. B., B.Arch. Liv., M.Arch. Mass. Sr. Lectr.

Lecturers

Powis, G. J., M.A.
Daykin, A., B.A.
Wragg, R. B., M.A.

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

Wilson, J.
Johnson, H. R , Dip.Arch.
Jenkins, J. M., Dip.Arch. Cardiff.
Jackson, V., B.Arch. Liv.
Heaf, F. B., Dip.Arch. Liv.
Leighton, H. B., M.A., F.R.I.B.A. (Building Sci. Subjects).

*Bacteriology*, v. Medicine, *infra*

*Biblical History and Literature*

Bruce, F. F., M.A. Aberd. and Camb.
Sr. Lectr. in charge of Dept.
Guilding, Aileen E., M.A. Oxon.
Asst. Lectr.
Atkinson, Rev. J., M.A., M.Litt. Durh.
Stephenson Res. Fellow.

*Biochemistry*, v. Medicine, *infra*

*Biology*, v. Botany and Zool.

*Botany*

Clapham, A. R., M.A., Ph.D. Camb. Prof.
Boswell, J. G., D.Sc. Lond.
Sr. Lectr.
Thoday, J. M., B.Sc. Wales, Ph.D. Camb. (Cytogenetics)
Lectr.
Webster, J., B.Sc. Lond. Lectr.
Pigott, C. D., B.A. Camb.
Asst. Lectr.
Ritchie, J. C., B.Sc. Aberd.
Res. Demr.

*Chemistry*

Haworth, R. D., B.Sc. Oxon., D.Sc., Ph.D. Manc., F.R.S., F.R.I.C. Firth Prof.
Stevens, T. S., B.Sc. Glas., D.Phil. Oxon. (Organic C.) Reader.
Lawrence, A. S. C., Sc.D., Ph.D. Camb., F.R.I.C. (Colloid C.)
Reader.
Smith, T. B., B.Sc., Ph.D. Lond. (Analytical C.) Sr. Lectr.
Lamberton, A. H., B.Sc., Ph.D. Glas. Sr. Lectr.

Lecturers

Peacock, D. H., M.A. Camb., D.Sc. Lond., F.R.I.C.
McKenna, J., M.Sc., Ph.D. N.U.I.
Tyrrell, H. J. V., B.A., B.Sc. Oxon.
Wyatt, P. A. H., B.Sc., Ph.D. Wales.
Mills, O. S., B.Sc. Liv.
Wilkins, R. G., B.Sc., Ph.D. Lond.

Assistant Lecturers

Beattie, I. R., B.Sc., Ph.D. Lond.
Pauson, P. L., B.Sc. Glas , Ph.D.
Leisten, J. H. A., B Sc , Ph.D. Lond.

*Child Health*, v. Medicine, *infra*

*Classics*

Tate, J., M.A., Litt.D. Dub.
(Greek) Prof.
Laughton, E., M.A. Oxon.
(Latin) Firth Prof.
Hulton, A. O., M.A. Oxon. Lectr.
Badian, E., M.A. N.Z., B.A. Oxon.
Asst. Lectr.
West, D. A , M.A. Aberd., B.A. Camb. Asst. Lectr.
Dalzell, A., B.A. Dub.
Asst. Lectr.
Batley, Lilian, M.A.
Pt.-time Asst.

*Dentistry*, v. *infra*

*Economics*

Jones, G. P., M.A., Litt.D. Liv.
Dean, Fac. of Arts, Prof.
Gilbert, J. C., B.Com. Lond.
Sr. Lectr.

Lecturers

Thornhill, W., M.Sc. (Econ.) Lond. (Pub. Econ. and Admin.).
Davies, J. H., M.A. Wales.
Alexander, K. J. W., B.Sc. (Econ.) Lond.
Townsend, H., B.Sc. (Econ.) Lond.
Asst. Lectr.

Pollard, S., B.Sc. (Econ.), Ph.D. Lond. (Econ. Hist.) Asst. Lectr.
Adams, J. W. L., M.A. Oxon. Pt.-time Lectr.
2 Douglas Knoop Res. Fellows.

*Education*
Turnbull, G. H., M.A. Liv., Ph.D. Bonn Prof.
Armytage, W. H. G., M.A. Camb. Sr. Lectr.

Lecturers
Halloran, J. H., M.A. Leeds.
Williams, Eirian M., B.Sc. Wales.
Brown, Nora M., M.A. Camb.
Dunkley, Ruth E. L., B.A. Camb.
Richardson, J. Elizabeth, M.A. Lond.
Edwards, R., B.Sc. Lond., M.Ed. Manc.
Jay, L. J., M.A. Birm.

*Engineering*, v. *infra*

*English Language and Literature*
Empson, W., M.A. 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., F.S.A. (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., M.A., M.Litt. Camb. (Eng. Lang.).
Hargreaves, H., M.A. Liv. (Eng. Lang.).

*Forensic Medicine*, v. Medicine, *infra*

*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 Lectr.
Leakey, F. W., B.A. Lond. Lectr.
Francis, K. H., B.A., Ph.D. Lond. Lectr.
Collier, S. J., B.A., Ph.D. Leeds Lectr.
Short, J. P., B.A. Dub. Asst. Lectr.
Tissot, R., L. ès L. Lecteur.
Wacrenier, A., L. ès L. Lecteur.
Duthoit, Micheline Lectrice.
Vouillemy, Alberte Lectrice.

*Fuel Technology*, v. Engineering, *infra*

*Geography*
Linton, D. L., M.Sc. Lond. Dean, Fac. of Pure Sci., Prof.
Garnett, Alice, B.A., Ph.D. Lond. Sr. Lectr.
Maxwell, I. S., M.A. Camb. Lectr.
Hunt, A. J., B.A. Lond. Lectr.
Savigear, R. A. G., B.A. Lond. Lectr.
Waters, R. S., M.A. R'dg. Lectr.
Johnson, R. H., B.A. R'dg. Res. Demr.
Sibbons, J. L. H., B.A., B.Sc. Oxon. 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.

Lecturers
Sylvester-Bradley, P. C., B.Sc. R'dg., F.G.S.

Wilkinson, P., B.Sc. Lond., F.G.S.
Downie, C., B.Sc. Glas.
Humphries, D. W., B.Sc. Lond.
Currall, A. E., B.A. Oxon., F.G.S. Asst. Lectr.

*German*

Mainland, W. F., M.A. Edin. Prof.
Yuill, W. E., M.A. Aberd. and Lond. Lectr.
Kolisko, Gertrud, Ph.D. Vienna Asst.
Bird, G. C., B.A. Lond. Tutor.

*Glass Technology*, v. Engineering, *infra*

*History*

Potter, G. R., M.A., Ph.D. Camb. (Mod. H.) Prof
Hopper, R. J., B.A. Wales, Ph.D. Camb., F.S.A. (Anc. H.) Sr. Lectr. in charge of Anc. Hist. Dept.
Lewis, N. B., M.A., Ph.D. Manc. (Mediæval H.) Sr. Lectr.
Tyler, J. E., M.A. Oxon., M.A. (Mod. H.) Sr. Lectr.
Haley, K. H. D., M.A., B.Litt. Oxon. Lectr.
Carr, W., B.A. Birm. Lectr.
Clarke, Dorothy P., B.A. Belf., Ph.D. Lond. Lectr.
Badian, E., M.A. N.Z., B.A. Oxon. (Anc. Hist.) Asst. Lectr.
Bone, E. Mary, B.A. Oxon. Pt.-time Asst. Lectr.
Copeland, T., Ph.D. Chic. Hon Visiting Prof.

*Law*

Browne, D., M.A. Oxon. Dean and Prof.
Metcalfe, O. K., M.A., LL.M. (Pub. and Common L.) Ind. Sr. Lectr.
Brown, L. N., M.A., LL.B. Camb. Lectr.
Goode, M. A., LL.B. Tutor.

*Mathematics*

Northcott, D. G., M.A., Ph.D. Camb. Town Trust Prof.
Ruston, A. F., M.A., Ph.D. Camb. Sr. Lectr.
Cox, R. R. S., M.A. Camb., F.R.A.S. (Appl. M.), Curator of Observatory, Sr. Lectr.
Mirsky, L., M.Sc. Lond., Ph.D. (Pure M.) Lectr.
Burkill, H., M.A. Camb. (Pure M.) Lectr.
Hamill, Christine M., M.A., Ph.D. Camb. (Pure M.) Lectr.
Davies, D. R., M.Sc., Ph.D. Lond. (Appl. M.) Lectr.
Curtis, A. R., M.A. Camb. (Appl. M.) Lectr.
Jowett, G. H., B.A. Lond. (Statistics) Lectr.
Abson, H., M.A. Camb., M.Sc., B.Com. Lond. Tutor.

*Medicine*, v. *infra*

*Metallurgy*

Quarrell, A. G., D.Sc., Ph.D. Lond., F.I.P. (Phys. M.) Dean & Prof.
White, J., D.Sc., Ph.D. Glas. (Ceramics) Reader.
Maddocks, W. R., B.Sc. Wales, Ph.D. Glas. (Production M.) Sr. Lectr.
Orme, F., T.D., M.Met. (Non-Ferrous) Sr. Lectr.
Honeycombe, R. W. K., M.Sc. Melb., Ph.D. Camb. (Physical) Sr. Lectr.
MacDougall, A. J., M.Met. Lectr.
Protheroe, H. T., B.Sc. Wales, Ph.D. Lectr.
Havenhand, D., B.Sc. Lectr.
de Belin, G. A., M.Met. Lectr.
Woodhead, J. H., B.Met. Lectr.
Greenough, G. B., M.A., Ph.D. Camb. Lectr.
Wakeman, D. W., B.Sc., Ph.D. Birm. Lectr.
Hume-Rothery, W., M.A., D.Sc. Oxon. Hon. Lectr.
Bilby, B. A., B.A. Camb., Ph.D. Birm. (Physical M.) Hon. Lectr.

Entwisle, A. R., M.A., Ph.D. Camb. Res. Fellow.

*Microbiology*, v. Medicine, *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. (Psychol.) Lectr.
Glasgow, W. D., B.A. Dub. Lectr.
Adams, J. W. L., M.A. Oxon. Pt.-time Lectr.

*Physics*

Sucksmith, W., D.Sc. Leeds, F.R.S., F.I.P. Prof.
Lawson, R. W., D.Sc. Durh., F.I.P. Sr. Lectr.
Clarke, J. R., M.Sc , F.I.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.I.P.
Beattie, J. R., B.Sc. St. And.
Fiddes, J., M.A., B.Sc. Edin.
Hall, E. O., M.Sc. N.Z., Ph.D. Camb.
March, N. H., B.Sc., Ph.D. Lond.

Assistant Lecturers

Crangle, J., B.Sc., Ph.D.
Hollis, R. C. G., B.Sc. Lond.

Res. Demonstrators

Thompson, J. E., B.Sc.
Wooller, D., B.Sc.

Hon. Lectr.

.....

*Physiology*

Smyth, D. H., M.D., M.Sc. Belf., Ph.D. Lond. Prof.
Gibson, Q. H., M.D., Ph.D., D.Sc. Belf. Sr. Lectr.
Winter, L. B., M.A., M.D. Camb. Lectr.
Wiseman, G., M.B., B.S. Lond., Ph.D. Lectr.

Assistant Lecturers

Crampton, R. F., B.Sc., M.B., Ch.B. Birm.
Matthews, D. M., M.B., B.S. Lond.
Clarke, E. W., B.Sc., M.B., Ch.B. Birm.
Bacon, Enid E., B.Sc. Lond. Asst.

*Social Studies*, v. *infra*

*Spanish*

Pierce, F. W., M.A. Belf. and Dub. Hughes Prof.
Brooks, J. L., B.A. Dub. Lectr.
Ribbans, G. W., M.A. Lond. Asst. Lectr.
Moragas, F., Dr. en Odont. Madrid Asst.

*Zoology*

Eastham, L. E. S., M.A. Camb., M.Sc. Leeds Prof. and Hon. Curator of Museum.
Francis, E. T. B., B.Sc. Lond., Ph.D. R'dg. Sr. Lectr.
Segrove, F., B.Sc., Ph.D. Lectr.
Thoday, J. M , B.Sc. Wales, Ph.D. Camb. (Cytogenetics) Lectr.
Ebling, F. J. G., M.Sc., Ph.D. Brist. Lectr.
Jones, J. D., B.Sc. Lond. Lectr.
Highnam, K. C., B.Sc. Manc. Res. Demr.
Knowles, A. C., B.Sc. Aberd. Res. Demr.

**Dental Surgery**

Roberts, G. L., M.B., Ch.B., B.D.S. Liv., F.D.S.R.C.S. Prof., Dir. of Dental Studies.

Hampson, E. L., B.D.S. Liv., F.D.S.R.C.S. (Operative Dent. Surg.) Lectr.
Clarke, J., L.D.S. (Operative Dent. Surg.) Lectr.
Hull, J., D.D.S. Penn. (Dent. Surg.) Pt.-time Asst. Lectr.
Rastall, R., L.D.S. (Dent. Surg.) Pt.-time Hon. Demr.
Rayner, G. H., L.D.S., F.D.S.R.C.S. (Maxillo-facial Surg.) Pt.-time Hon. Lectr.
Hodson, J. J., B.D.S., Ph.D. (Dent. and Oral Path.) Sr. Lectr.
Allen, J., L.D.S. Glas (Dent. and Oral Path.) Demr. and Res. Asst.
Fisher, D. E., L.D.S. Leeds (Prev. D.) Demr.

*Anæsthetics*

Pleasance, R. E., M.D., D.A. Pt.-time Lectr.

*Dental Mechanics and Prosthetics*

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., T.D., M.Met. Lectr.

*Medicine for Dental Students*

Whitaker, W., M.D., B.Sc. Leeds Pt.-time Lectr.

*Oral Anatomy and Histology*

Heald, H. R., L.D.S. Pt.-time Lectr.
Fisher, D. E., L.D.S. Leeds Demr.

*Orthodontics*

Gardiner, J. H., B.D.S. Manc. Lectr.
Greenwood, A. W., B.D.S. Manc. Asst. Lectr. and Demr.
Eirew, H. L., L.D.S. Manc., B.D.S. Hon. Demr.

*Surgery for Dental Students*

King, P. A., M.B., Ch.B. Lectr.
8 other Clin. Dental Teachers.

**Engineering**

v. also Maths., *supra*

*Applied Mechanics*

Tuplin, W. A., D.Sc. Manc. Dean, Fac. of Engin., Prof.

Lecturers

Dudley, B. R , B.Sc. (Eng.) Lond.
Jones, R. P. N., M.A., Ph.D. Camb.
Meyer, M. L., B.Sc. (Eng.) Lond.

*Engineering*

Swift, H. W., M.A. Camb., D.Sc. (Eng.) Lond. Prof.
Dudding, B. P., M.B.E., Ph.D., F.I.P. (Indus. Statistics) Hon. Lectr.
Hill, R., M.A., Ph.D. Camb. (Plasticity) Hon. Lectr.
Freeman, P., B.Eng. Lectr.

Res. Assts. to Prof.

Loxley, E. M., M.Eng.
Neal, P. B. N., B.Eng.

*Engineering, Civil*

Boulton, N. S., M.Sc. Birm. (in charge of Dept.) Sr. Lectr.

Lecturers

Jenkins, R. B. M., M.A. Camb.
Armstrong, S., B.Sc.Tech. Manc.
Eastwood, W., Ph.D. Aberd., B.Eng.

*Engineering, Electrical*

Butler, O. I., M.Sc. Wales (in charge of Dept.) Sr. Lectr.

Lecturers

Harrison, D., M.Eng. Liv., Ph.D.
Benson, F. A., M.Eng. Liv., Ph.D.
Barton, T. H., B.Eng., Ph.D.

*Engineering, Mechanical*

Turner, F. C., M.Eng. (in charge of Dept.) Sr. Lectr.

Lecturers

Parker, C. F., B.Sc. Lond.
Baildon, E., M.Sc. (Eng.) Lond.
Sutherland, K. H., B.Sc. Durh.
Briggs, G. C., B.Eng.
Johnson, W., B.Sc.Tech. Manc., B.Sc. Lond.

*Fuel Technology*

Thring, M. W., M.A. Camb 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.
Smith, D., B.Sc., Ph.D. Lectr.
Price, P. H., B.Sc., Ph.D. Lectr.
Sidall, R. G., M.Sc. Res. Asst. to Prof.

*Glass Technology*

Moore, H., D.Sc. Lond., F.I.P. Prof.
Parkin, M., M.Sc. Lectr. and Sr Res. Asst.
Dimbleby, Violet, M.Sc. Sr. Res. Asst.
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. Lond. Res. Asst. and Lectr.
Nicolls, A. W., B.A., B.Sc. Oxon. Res. Asst. and Lectr.
Ainsworth, L., B.Sc. Res. Asst. and Lectr.
Sales, Rose M., B.Sc. Lond. Res. Asst. and Demr.

*Mining*

Statham, I. C. F., M.Eng., F.G.S. Prof.
Shepherd, R., B.Sc. (Eng.) Lond., Ph.D., F.G.S. (Postgrad. School) Sr. Lectr.
Hurst, G., B.Eng. Lectr.
Bamber, T. F., B.Eng. Lectr.
Pursall, B. R., B.Sc. Wales Lectr.

Hon. Lecturers

Evans, W. H., M.Sc., Ph.D. Lond.
Grimshaw, H. C., M.Sc. Manc., Ph.D.
Guenault, E. M., M.Sc., Ph.D.
Shepherd, W. C. F., B.Sc., Ph.D. Lond.
Tideswell, F. V., M.Sc. Manc., Ph.D.

**Medicine**

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

McCrie, J. G., O.B.E., T.D., M.B., F.R.C.P.Ed. Dean.

*Bacteriology*

Beattie, C. P., M.A., M.B., Ch.B., D.P.H. Edin. Prof.
Beverley, J. K. A., B.Sc., M.B., Ch.B. Lectr.
Paine, C. G., M.D., B.S. Lond. Hon. Lectr.
Colquhoun, J., M.B., Ch.B. Hon. Lectr.
Gillespie, E. H., M.B., Ch.B. Edin. Hon. Lectr.
Walker, Margaret J., B.Sc. Edin. Hon. Demr.
Evans, D. M. D., M.D., B.S. Lond. 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. Sr. Lectr.
Kaye, M. A. G., B.Sc. Lond., Ph.D. Birm. Lectr.
Green, N. M., B.A. Oxon., Ph.D. Lond. Lectr.
Weber, G., Ph.D. Camb., M.D. Buenos Aires Lectr.
Oliver, I. T., M.Sc. Melb. Asst. Lectr.
Davies, R. E., D.Sc. Manc., Ph.D. Hon. Lectr.
Jordan, A., M.B., B.S. Lond. (Clinical B.) Hon. Lectr.
Hughes, D. E., B.Sc. Hon. Lectr.
Mitchell, F. L., B.Sc. Liv. Hon. Demr.
Podmore, D. A. Hon. Demr.

Finch, Ethel, M.Sc. Birm. Hon. Demr.
Walker, P. G., M.B., Ch.B., B.Sc. Edin. Graves Res. Fellow.
Whittam, R., B.Sc.Tech. Manc., Ph.D. John Stokes Res. Fellow.

*Child Health*

Illingworth, R. S., M.D. Leeds, F.R.C.P., D.P.H., D.C.H. Prof.
Lorber, J., B.A., M.D., B.Chir. Camb., D.A. Lectr.
Philpott, M. G., M.D., B.S. Lond., D.C.H. Tutor.
Gordon, R. R., M.C., M.D., D.C.H. Glas. Hon. Lectr.
Goldfinch, Margaret K., B.Sc. (Biochem.) Res. Asst.
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.
Gumpert, T. E., M.B., Ch.B., F.R.C.P.
Brody, H. P., F.R.C.P.
Leishman, A. W. D., M.A., D.M. Oxon., F.R.C.P.
Skipper, E. W., M.D. Lond., F.R.C.P.
Brown, J. W., M.D. Lond., F.R.C.P.
Davies, C. E., M.A., D.M., B.Ch. Oxon. Sr. Lectr.
Whitaker, W., B.Sc., M.D. Leeds Lectr.
Hanley, T., M.D. Lond. Lectr.
Mackinnon, J., M.B., Ch.B. Res. Asst.
Turner, H. M., M.D. Manc., D.P.H. (Chest Diseases).
Darke, C. S., M.D. Lond. (Chest Diseases).
Kennedy, J. M., M.B., B.Ch., B.A.O., D.P.H. Belf. (Infectious Dis.).
Carson, J., M.B., Ch.B. St. And. (Neurol. and Psychol.).
Grout, J. L. A., M.C., D.M.R.E Camb., F.R.C.S.Ed., F.F.R. (Radiol.).
Blomfield, G. W., M.A. Camb., M.B., Ch.B. Leeds, F.R.C.S. (Radiotherapy).
Vickers, H. R., M.Sc., M.B., Ch.B. (Dermatol.).
Thorpe, F. T., D.P.M. (Ment. Dis.).
Esher, F. J. S., M.B., Ch.B. Birm., D.P.M. (Ment. Dis.) Hon. Asst. Lectr.
Finch, Sir Ernest, M.D., M.S. Lond., D.Sc., F.R.C.S. (Hist. of Med.) Hon. Lectr.
7 other Clin. Teachers.

*Microbiology*

Elsden, S. R., B.A., Ph.D. Camb. Sr. Lectr. in charge of Dept.
Fry, B. A., B.A., Ph.D. Camb. Lectr.

*Obstetrics and Gynæcology*

Russell, C. S., M.A. Oxon., M.D. Edin., F.R.C.S.Ed. Prof.
Pt.-time Lecturers and Clin. Teachers
Patrick, L. B., M.B., Ch.B., F.R.C.S.Ed.
Lees, D. H., M.B., Ch.B., F.R.C.S.Ed.
Smith, T., M.B., Ch.B., F.R.C.S. Ed., F.R.F.P.S. Glas.
Dewhurst, C. J., M.B., Ch.B. Manc. Lectr.
Abbas, T. M., M.D., F.R.C.S.Ed. Lectr.
Napier, J. G., M.B., Ch.B., F.R.C.S.Ed. Pt.-time Tutor.
1 other Clin. Teacher.

*Pathology*

..... Joseph Hunter Prof.
..... Dir. of Cancer Res.
Harding, H. E., B.A., D.M. Oxon. (Medical P.)
Reader and Curator of Museum.
Cameron, A. H., M.B., B.S. Durh. Lectr.
Ghadially, F. N., M.D., B.S. Bom. and Lond. 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.
Blackburn, E. K, M.D. Leeds, F.R.F.P.S. Glas. Hon Lectr.
Warrack, A. J. N., M B.E., M.D. 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.
Wolman, L., M.A., M.B., B.Chir. Camb. Hon. Demr.

*Pharmacology and Therapeutics*

..... Prof.
Wilson, G. M., B.Sc., M.D., F.R.C.P.Ed. (Therapeutics).
Sr. Lectr.
Wood, D. R., M.A., B.Sc., B.M., B.Ch. Oxon. (Pharmacol.).
Sr. Lectr.
Munro, D. S., M.B., Ch.B. Aberd. (Therapeutics) Lectr.
2 Instrs.

*Social and Industrial Medicine*

Hobson, W., B.Sc., M.D., D.P.H. Leeds Prof.
Pemberton, J., M.D. Lond.
Sr. Lectr.
Fleming, C. E., M.A., B.Litt. Oxon., B.A., Dip.Com. W. Aust. Lectr.
Sharpe, J., M.B., Ch.B., 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.
Trevethick, R. A., M.B., Ch.B.
Hon. Lectr.
1 other Clin. Teacher.

*Surgery*

Brockman, R. St. L., M.A., M.Chir. Camb., F.R.C.S. Prof.
King, P. A., M.B., Ch.B. Tutor.

Pt.-time Lecturers

Yates, H. B., M.A., M.B., B.Chir. Camb., F.R.C.S. (Clinical S.).
Lytle, W. J., M.B., B.Ch., B.A.O. Belf., F.R.C.S. (Clinical S.).
Anderson, J. C., O.B.E., T.D., M.B., Ch.B. St. And., F.R.C.S. (Clinical S.).
Holdsworth, F. W., M.A., M.B., M.Chir. Camb., F.R.C.S.
(Orthopædic S.).
Hardman, J., M.B., Ch.B. Birm., F.R.C.S. (Neurological S.).
Gray, J. D., M.B., Ch.B., F.R.C.S. (Ear, Nose and Throat).
Ferguson, W. J. W., M.B., Ch.B. Glas. (Ophthalmic S.).
Pleasance, R. E., M.D., D.A.
(Anæsthetics).
11 other Clin. Teachers, 4 Instrs.

*Venereal Diseases*

Campbell, D. J., T.D., D.P.H., F.R.C.P.Ed.
Pt.-time Lectr. and Clin. Teacher.

**School of Social Studies**

Black, Ellinor I., B.Sc. (Econ.) Lond. Dir.
Ovens, Kathleen R., B.A. Lond. Tutor.
Hodges, M. W., M.A. Oxon. Sr. Res. Worker.
Hopson, J. W., B.A. Nott. Res. Asst

**Institute of Education**

Tempest, N. R., M.A. Liv., Ed.M. Harv. Dir.
Birch, L. B., B.Sc. Birm. (Educnl. Psychol.) Lectr. and Deputy 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.).
Bestall, J. M., M.A. Oxon. (Hist.).
Williams, J. E., M.A. Leeds (Hist.).
Mendelson, J., B.Sc. (Econ.) Lond. (Econ. and Pub. Admin.).
Whittington, W. E., M.A. (Econ. and Pub. Admin.).
Hughes, J. D., B.A. Oxon. (Econ. and Pub. Admin.).
Turner, H. D., B.Sc., Ph.D. (Sci.) Staff Lectr.
31 Tutors in addition to members of the Univ. Academic Staff.

## ADMINISTRATIVE ND OTHER STAFF

Asst. Registrars: F. O. Hooley, B.A. Birm.; Eileen M. Denman, B.Sc. (Examns. and Records). Asst. Bursars: P. Davies, B.A. (Admin.) Manc., Major C. E. Eley, M.B.E., T.D. Surveyor: J. D. Auld, T.D. Appts. Officer: E. A. Ovens, B.A. Lond. DEPT. OF EDUCN.: G. S. Horner, M.A. Oxon. EXTRA-MURAL STUDIES: H. E. Bell, M.A.

STUDENT HEALTH SERVICE. Med. Officer in Charge: P. W. W. Gifford, M.B., Ch.B. Birm. Dep. Med. Officer: H. R. Worth, M.B., Ch.B. Edin.

LIBRARIES. Edgar Allen Library: Sub-Librarian, J. E. Tolson, B.A. Leeds, M.A. Liv. Inst. of Educn.: Librarian, Gwen F. Smith, B.A. 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); G. C. Bird, B.A. Lond. (Stephenson Hall). 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 Sci., Med., and Law), 188,000 vols. and pamphlets, 755 current periodicals. LIBRARY (Appl. Sci.), 18,200 vols. and pamphlets, 142 current periodicals. Also Special Glass Technol. deptl. collection.

LABORATORIES, ETC. Equipment for advanced study and res. in all Depts. Sp. provision for Engin., in all branches, including Mining and Fuel Technol., and also for Glass Technol. and Metall., the equipment for the latter including an experimental scale steel works.

HOSPITALS available for clinics include 3 general (1974 beds), 7 sp. (1490 beds) and Mental Hosp. (2000 beds).

FACULTIES AND DEANS. *Arts*, Prof. G. P. Jones (Econ.); *Engineering* (Depts. of Civ., Electr., Mech. and Mining, Applied Mechanics, Fuel Tech., Glass Tech.), Prof. W. A. Tuplin (Appl. Mechs.); *Law*, Prof. D. Browne (Law); *Medicine* (including the Dental Dept.), Dr. J. G. McCrie; *Metallurgy*, Prof. A. G. Quarrell (Phys. Metall.); *Pure Science*, Prof. D. L. Linton (Geog.).

A School of Social Studies was established in 1949. There is a Univ. Training Dept. for Teachers for elementary and secondary schools. *Dept. of Glass Technology*: The Dept., housed in a separate block of bldgs., was the first and still remains the best known of the scientific instns. in the world devoted to the study of glass, v. also *supra*. *Faculty of Metallurgy*: The courses in Metall. include, in addition to the ord. subjects of a metallurgical trng., special instruction in the use of semi-large scale plant. Postgrad. courses are arranged for grads. in all Facs. There are sp. postgrad. technol. Schools in Mining, Appl. Mechanics and Phys. Metall.

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs.—B.A. (with Honours in Archit.—5 yrs., including time spent in an Architect's office), B.Mus., B.A. (Econ.), B.Sc., LL.B., B.Met. (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 Univs. who wish to qualify for B.Eng., B.Sc.Tech. or B.Met. with Honours need, under certain conditions, only attend courses for 2 yrs. (for B.Eng. or B.Sc.Tech. pass degree, 1 or 2 yrs.; B.Met. pass degree, 2 yrs.) if they have pursued a course for 2 yrs. at some approved institution.

General Honours B.A. and B.Sc. degrees are conferred (v. pp. 12-13).

Attendance on approved courses at a Univ. or Coll. recognized for the purpose may be accepted as equivalent to such courses in the Univ. The Univs. of Aarhus, Aix-en-Provence, Basle, Berlin, Berne, Besançon, Bordeaux, Caen, Dijon, Freiburg, Giessen, Göttingen, Grenoble, Heidelberg, Innsbruck, Leipzig, Liége, Lyons, Madrid, Montpellier, Münster, Nancy, Paris, Poitiers, Rennes, Saragossa, Seville, Strasbourg, Tübingen and Zürich have been recognized in the Faculty of Arts, and the Univ. contributes towards expenses of undergraduates spending a term there.

A Schools Consultative Council, including, in addition to members of the Univ. staff, representatives of local education authorities and school staffs, keeps the Univ. in touch with secondary educn.

HIGHER DEGREES. Obtainable by Bachelors of the Univ. of 1 yr.'s standing—M.A., LL.M., M.Sc., M.Eng., M.Sc.Tech., M.Met. Under certain conditions graduates of other Univs. may become candidates for these degrees. M.D.S., on the results of an examn. written, *viva* and practical; 2 yrs.' standing—M.D.; 3 yrs.' standing—Ch.M.; 4 yrs.' standing—LL.D.; 5 yrs.' standing—Litt.D., D.Mus., D.Sc., D.Eng., D.Sc.Tech., D.Met.; Ph.D., v. p. 24.

DIPLOMAS. Archit., 5 yrs. (including time spent in an Architect's office); Educn. (after graduation), 1 yr. (special facilities for Pedagogical research); English Studies for Foreign Students, 1 yr.; Public Administration, 4 yrs.' part-time study; L.D.S., 5 yrs.; Microbiol. (postgrad.), 1 yr.; Appl. Mechanics (postgrad.), 1 yr.; Glass Technol., 3 yrs. (for those with 2 yrs.' practical experience, 2 yrs.); Phys. Metall. (postgrad.), 1 yr.; Soc. Studies (postgrad.), 1 or 2 yrs.; Associateship in Engin. (Evg. Students), 4 yrs.; Associateship in Fuel (Evg. Students), 4 yrs.; Associateship in Iron and Steel or Non-Ferrous Met. (Day Students), 1 yr., (Evg. Students), 5 yrs.

*Certificates*, Architecture (3 yrs.); Professional Practice (Architecture) (1 yr. prof. practice following award of degree or diploma); Biblical History and Literature (2 yrs.' evening study); Soc. Studies (2 yrs.).

*Evening Classes* in 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. 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 Conveyancing, Public Admin., and Biblical History and Literature.

FEES. Registn.: Diploma courses (except Educn. and L.D.S.), 21s. p.a., Educn., 25s. p.a.; Degree courses (except M.B., Ch.B. and B.D.S.), 25s. p.a. Tuition for degree courses (approximate): B.A., B.Mus. and B.A. (Econ.), £26: 13: 4 p.a.; B.A. with Hons. in Archit., £31: 10s. p.a.; LL.B., 15 gs. p.a.; B.Sc., £35 p.a.; B.Eng., B.Met., B.Sc.Tech. (Glass or Fuel), £41: 10s. p.a.; M.B., Ch.B., £42 p.a.; B.D.S., £45 p.a. Examns.: Interm. and 1st B.Mus., £2; Final Pass Degree, £2; Final General B.A., £2: 10s.; Final Honours, B.Mus. and General B.Sc., £3; M.B., Ch.B., B.D.S., L.D.S., for each of 1st, 2nd, 3rd and Final examns., £6. Bachelor's Degree fee, £6 (except M.B., Ch.B., £5; B.D.S., £5).

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

RESIDENCE, ETC. (For Wardens *see* "Administrative and other Staff," p. 488.) For women (fees, £114-£129 p.a.): University Hall, Endcliffe Vale Road, Sheffield, 10 (*Telephone*: Sheffield 63506) (main hall 60 students; annexes 60 students). For men (fees, £114-£129 p.a.): Crewe Hall, Clarkehouse Road, Sheffield, 10 (*Telephone*: Sheffield 60255) (main hall 100 students; annexes 21 students); Ranmoor House, Fulwood Road, Sheffield, 10 (*Telephone*: Sheffield 32949) (50 students); Stephenson Hall, Oakholme Road, Sheffield, 10 (*Telephone*: Sheffield 61225) (at present 100 students). A list is maintained of lodgings supervised by a Special Cttee., and there is a full-time Warden of Lodgings; board and lodgings cost from 45s. upwards per wk.

STUDENT HEALTH SERVICE. A Student Health Service is provided in the charge of a full-time Medical Officer appointed by the Univ. Under Univ. Regulations each student has a thorough examn. in his or her first yr. All students are entitled to consult the Medical Officer of the Student Health Service. For Medical Officers *see* "Administrative and other Staff," p. 488.

APPOINTMENTS BOARD. For Appointments Officer *see* "Administrative and other Staff," p. 488. The services of the Appointments Board are available to all students, past and present. The Board has members from industry, etc., and deals with all matters relating to appointments. Relations are maintained with employers in all fields.

UNIVERSITY TRAINING CORPS. The U.T.C. provides facilities for training in the following units: Infantry and R.E.M.E. Commanding Officer: Major M. C. Davies.

STUDENTS' UNION AND ATHLETICS. The social and athletic subscription (£4 : 4s.) forms a compulsory part of students' fees. The social and athletic facilities are thus available to students in all faculties and comprise: (i) membership of the University Union and its various societies, (ii) an athletic ground some 40 acres in extent, (iii) a gymnasium, boxing ring, badminton, fives and squash courts, etc.

There is an OLD STUDENTS' ASSOCN. which publishes periodically lists giving addresses, occupations, honours, etc.

INSTITUTE OF EDUCATION, 304 Western Bank, Sheffield, 10 (*Telephone*: Sheffield 63891). *Constituent Members*: The Univ. Dept. of Educn.; the City of Sheffield Training Coll.; Thornbridge Hall Training Coll.; Wentworth Castle Training Coll.; Doncaster Training Coll.; Lady Mabel Coll. of Physical Educn.; Totley Hall Coll. of Housecraft; the City of Sheffield Coll. of Arts and Crafts. For Director and Secretary *see* p. 488.

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. 488 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.); *Handbook*; Fac. and Training Dept. Prospectuses; Scholarships pamphlet.

## THE YEAR 1951–52

BENEFACTIONS. Graves Trust, £7750, addition to capital of Graves Fellowship Fund for med. res.; H. P. Hall, £2000, to provide travelling scholp. in music; late Dr. J. Dixon Brunton, £2000, applied to Brunton medals in metall.; United Sheffield Hosps., £600 for res. on bronchitis; late Miss Marion Slack, £100 for res. on rheumatism; English Steel Corp., £525 for engin. and metall.

NEW BUILDINGS. Stephenson Hall of residence for men opened; progress in erection of new Chem. bldg. and Engin. extensions; completion of Mining extensions; Staff club-house opened; architectural competition for further bldgs. promoted.

PRINCIPAL CHANGES IN REGULATIONS. Institution of postgrad. dipls. in Appl. Mechanics and Phys. Metall. Course for Dipl. in Pub. Admin. remodelled and extended to 4 yrs. of pt.-time study.

EXTRA-MURAL WORK. 77 Tutorial, Sessional and Terminal classes, 36 Univ. Extension courses, 4 one-day schools; 6 special courses and a number of single lectures were held.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. H. Heuer, Freiburg, "Das deutsche Seminarsystem"; Prof. H. Bach, Aarhus, "Das Nibelungenlied"; Prof. F. Norman, Lond., "Germanic heroic poetry"; R. B. Tate, Manc., "The art of Antoni Gaudi"; Prof. G. B. Cressey, Syracuse, "Departments of Geography in American Universities"; Prof. F. R. Steele, Penn., "Ancient Near-Eastern Law and Biblical Law"; Prof. P. B. Moon, Birm., "Nuclear reactions and chemical reactions—some analogies and contrasts"; Dr. J. K. N. Jones, Brist., "The synthesis of sugars"; Prof. A. Robertson, Liv., "Natural complex pyrylium bases"; Prof. M. J. S. Dewar, Lond.,

" The molecular orbital theory of organic chemistry " ; Prof. R. P. Linstead, Lond., " The transfer of hydrogen between organic compounds " ; Prof. C. H. O'Donoghue, R'dg., " Fabulous animals " ; Prof. F. W. Rogers Brambell, U.C., N. Wales, " The passage of protein through the fœtal membrane " ; R. M. C. Eagar, Manc., " Recent work on carboniferous non-marine lamellibranchs " ; Dr. S. I. Tomkeieff, Durh., " Geochemistry—a new science " ; E. Dahl, Oslo, " Evidence for the existence of ice-free areas in North-West Europe " ; Dr. W. O. James, Oxon., " Terminal oxidase systems in plants " ; Prof. E. Percival, Canterbury U.C., various ; Prof. A. A. Moncrieff, Lond., " Some problems of the modern baby " ; Prof. J. Gough, Welsh Nat. Sch. of Med., " The pathology of pneumoconiosis " ; Prof. E. J. King, Lond., " The chemical aspects of pneumoconiosis and animal experiments " ; Dr. C. N. Davies, Lond., " Theoretical aspects of dust measurements " ; Prof. C. H. Ffritsfsche, Aachen, " Aspects of the modern conveyor," " Modern coal-cutting in the Ruhr district in connexion with the armoured conveyor," " The size of a colliery," " The organization of coal faces for a daily output of 1000 tons " ; Prof. F. Morton, Birm., " Recent developments in the petroleum industry, with specific reference to the manufacture of aviation fuels " ; Sir James Duff, " British and American Education—a contrast."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. L. C. Knights, Manc., Camb., " Shakespeare and political wisdom " ; Dr. F. P. Pickering, Lond., " Medieval elaborations of the Passion story " ; G. H. Jowett, Manc., " Statistical analysis using local properties of stochastic series " ; Prof. A. G. Walker, Leeds and Liv. : " Introduction to the theory of fibre bundles," Nott. and Leicester U.C. : " Differential geometry " ; Prof. H. A. Krebs, Harv., " Energy transformation in living matter " ; Prof. E. J. Wayne, Lond., " The diagnosis and treatment of hyperthyroidism," " The training of the research worker " ; Prof. H. N. Green, Lond., " Shock and neoplasia " ; Prof. C. H. Stuart-Harris, Lond., " Virus diseases of the respiratory tract " ; G. W. Blomfield, Lond., " Clinical results of super-voltage X-ray therapy " ; Prof. R. S. Illingworth, Lond., " Sleep problems in children " ; Dr. B. S. Bilby, Manc., " The theory of dislocations."

RETIREMENTS. Sir Irvine Masson (Vice-Chancellor) ; Prof. J. D. Craig (Latin) ; E. J. G. Bradford (Educn.) ; J. Bycroft (Bursar) ; M. Nicholson (Asst. Bursar).

RESIGNATIONS. Prof. L. C. Knights (Eng. Lit.), apptd. Winterstoke Prof. Eng. Lit., Brist. ; A. Kay (Econ.) ; W. J. N. Mills (Archit.), apptd. Sr. Architect, Derbyshire C.C. ; Prof. A. G. Walker (Maths.), apptd. Prof. Maths., Liv. U. ; H. D. Bush (Phys.), apptd. Sr. Lectr. Phys., Bradford Tech. Coll. ; B. Donovan (Phys.), apptd. Sr. Lectr. Phys., Northern Poly., London ; R. F. Y. Randall (Phys.), apptd. Sr. Lectr. Phys., S.-W. Essex Tech. Coll. ; Dr. W. S. Bullough (Zool.), apptd. Prof. Zool., Birkbeck Coll. ; R. Riley (Bot.), apptd. Res. Officer, Cytogenetics, Plant Breeding Inst., Camb. ; S. R. Eyre (Geog.), apptd. Asst. Lectr. Geog., Leeds ; Dr. B. A. E. Johns (Anat.) ; Dr. C. P. Mills (Anat.), apptd. Postgrad. Med. Sch., Lond. ; Dr. J. Parkin (Anat.) ; W. Forshall (Biochem.), apptd. Asst. Biochemist, Edinburgh Northern Group Hosps. ; Dr. A. G. Macgregor (Pharmacol. and Therap.), apptd. Sr. Lectr. Therap., Edin. ; Dr. M. W. A. Gatman (Pathol.) ; Dr. L. G. Cook (Bacteriol.) ; May H. Beattie (Bacteriol.) ; Dr. Cynthia Scothorne (Bacteriol.) ; Sheila M. Stewart (Bacteriol.), on taking up a Res. Fellowship, Edin. ; Dr. Margaret M. Platts (Med.) ; J. Christine Appleby (Med.), apptd. Rowett Res. Inst. ; K. M. Brown (Mining), apptd. Lectr., Birm. ; D. H. Randall (Surg.), apptd. St. George's Hosp., London ; Dr. S. I. Evans (Fuel Tech.), apptd. Area Chief

Scientist, E. Midlands Div., N.C.B.; C. S. Smith (Social Studies), apptd. Res. Officer, Dulwich Coll. Mission; Mary C. Field (Inst. of Ed. Librarian); D. Kelly (Edgar Allen Library), apptd. Asst. Librarian, U.C. of Gold Coast; J. McIntyre (Asst. Registrar), apptd. Registrar, Swansea U.C.

DEATHS. Sir Arthur Pickard-Cambridge (Vice-Chancellor 1930–38); Sir Samuel Osborn (Treasurer 1934–37; Pro-Chancellor 1937–46); Dr. W. M. Gibbons (Registrar 1902–44); the Rt. Hon. Viscount Addison of Stallingborough (Anat., Prof. 1897–1901); Dr. E. Seddon (Glass Tech., Lectr. 1933–1938); Dr. J. D. Jones (Eng. Lang., Lectr. 1911–45); A. Garrick Wilson (Surg., Clin. Teacher 1919–34); C. T. Watson (Orthodontics and Dent. Surg., Lectr. and Clin. Teacher 1922–47); J. W. Shaw (Dent. Surg., Clin. Teacher 1948–52).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 190 | 1648 |
| Women | 23 | 400 |
| Total | 213 | 2048 |

Postgraduate students, 284.

First-year admissions, 501.

Students (full-time) from other countries, 114. (Countries from which largest numbers came: India, 16; Egypt, 15; Germany, 10; S. Africa, 9; Iraq, 6; Poland, 5.)

In addition there were 256 day-students taking courses not of Univ. standard; also 1121 evening students and 3693 students taking Extra-Mural courses.

DEGREES. B.A., 136; B.Mus., 1; B.A. (Econ.), 4; M.A., 12; Ph.D. Arts, 2; B.Eng., 42; B.Sc.Tech., 11; M.Eng., 1; M.Sc.Tech., 1; Ph.D. Eng., 8; LL.B., 5; LL.M., 1; M.B., Ch.B., 46; B.D.S., 6; Ph.D. Medicine, 3; M.D., 1; B.Met., 24; M.Met., 1; M.Sc.Tech., 1; Ph.D.Met., 7; B.Sc., 101; M.Sc., 7; Ph.D. Pure Sci., 20.

DIPLOMAS. Educn. (Arts), 83; Archit., 14; Appl. Mechanics, 3; Microbiol., 4; L.D.S., 8; Educn. (Pure Science), 16; Social Studies, 2.

CERTIFICATES. Archit., 30; Social Studies, 8.

[*Information compiled as at June* 1953;
*Staff list revised on* 25/9/53.]

# UNIVERSITY OF SOUTHAMPTON*

Founded 1952

*Postal Address*: Highfield, Southampton, England.
*Telephone*: Southampton 54071 (4 lines).

VISITOR—H.M. THE QUEEN.

CHANCELLOR—His Grace THE DUKE OF WELLINGTON, K.G.

PRO-CHANCELLORS—Sir SAMUEL GURNEY-DIXON, M.A., M.D. Camb., J.P.; Sir HENRY TIZARD, G.C.B., M.A., F.R.S.

VICE-CHANCELLOR—D. G. JAMES, M.A. Wales.

DEPUTY VICE-CHANCELLOR—Professor G. F. FORSEY, M.A. Lond.

TREASURER—A. R. AVENS, F.C.A.

SECRETARY AND REGISTRAR—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

Lambert, Joyce M., M.A., Ph.D. 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.

*Chemistry*

Adam, N. K., M.A., Sc.D. Camb., F.R.S., F.R.I.C. Dean, Fac. of Sci., Prof.
Chapman, N. B., M.A., Ph.D. Camb. Sr. Lectr.

Lecturers

Campbell, Ishbel G. M., B.Sc., Ph.D. St. And.
Webb, K. R., B.Sc., Ph.D. Lond.
Balson, E. W., B.Sc. Lond.
Cartmell, E., B.Sc. Lond.
Parker, R. E., B.Sc. Lond.
Riddiford, A. C., B.Sc., Ph.D. Birm.
Fowles, G. W. A., B.Sc., Ph.D. Brist.
Cavell, E. A., B.Sc. Lond.
Symons, M. C. R., B.Sc., Ph.D. Lond.

*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. Dean, Fac. of Econ. and Comm., Prof.
Armstrong, W. E., M.A. Camb. Sr. Lectr.

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

Lecturers

Hodgson, R. A., B.Com., D.P.A. Lond. (Comm. and Acctg.).
Thomas, C. J., B.Sc. Wales, M.Sc. (Econ.) Lond. (Econ. Stats.).
Richards, P. G., B Sc. (Econ.) Lond. (Govt.).
Benn, S. I., B.Sc. (Econ.) Lond. (Govt.).
Young, Miss A. F., M A. Liv. (Soc. Studies).
Ashton, E. T., M.A. Oxon., B.Sc. Lond. (Soc. Studies).
Harding, H. (Comm. and Acctg.) Pt.-time Lectr.
Hart, H., B.A. (Com.) (Comm. and Acctg.) Pt.-time Lectr.
Dunning, J. H., B.Sc. (Econ.) Lond. Asst. Lectr.
Goodier, W. D., B.A. Wales Asst. Lectr.
O'Connell, Miss P. E. (Health Visitor's Course) Tutor.

*Education*

Wagner, F. W., M.A. Oxon., B.Sc. Adel. Dean & 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.
Ingram, D. J. E., M.A., D.Phil. Oxon. Res. Fellow.
7 Technical Lectrs.

*Engineering*

Black, A. N., M.A. Camb. Dean of Fac., Prof. of Mech. Eng. and Admin., Hd. of Eng. Depts.
Richards, E. J., M.A. Camb., B.Sc. Wales Prof. of Aeronaut. E.
McPherson, D. H., B.Sc. Edin. Sr. Lectr. and Hd. of Civ. E. Dept.
Sims, L. G. A., Ph.D., D.Sc. Birm. Sr. Lectr. and Hd. of Elect. E. Dept.

Lecturers

Tanner
Helmer B.Sc. (Eng.) Lond.
Cook, A. J., A. Camb.
Sara, H. J., B.Sc. Lond.
Chester, C. E., B.Eng. Sheff.
Steven, R. E., B.Sc. Belf.
Ray, P. N., M.A. Oxon.
Chapman, T. G., B.Sc. Leeds.
Yorke, R., B.Sc. Lond., B.Eng. Sheff.
Grassam, N. S., B.Sc., Ph.D. Lond.
Morphew, K. L., B.Sc. (Eng.) Lond.
Prince, A. T., B.Met. Sheff.
Mead, D. J.
Jolley, E. S. Tech. Lectr.
Leech, H. J., Albert Medal, A.F.M. 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

Tavener, L. E., M.A. Camb.
Robinson, G. W. S., M.A. Lond.
Gifford, Mrs. Cynthia J., B.Sc. Lond.
Large, D. C., M.A. Syracuse Asst. Lectr.

*Geology*

Wisden, Dorothy E., M.Sc., F.G.S. Lectr.
Tremlett, W. E., B.Sc. Lond. Asst. Lectr.
West, H. W. H., B.Sc. Lond. Asst. Lectr.

*German*

Lucas, W. I., M.A. Brist., Ph.D. Heidel. Dean, Fac. of Arts, Sr. Lectr. in charge of Dept.
Wilson, W. L., M.A. Edin. Lectr.
Neuschaffer, W., Ph.D. Heidel. Lectr. and Hon. Lectr. in Russian.

1 Lektor.

*History*

Rothwell, H., B.A. Manc., Ph.D. Camb. Prof.

Lecturers

Patterson, A. T., M.A. Durh.
Merson, A. L., B.A. Oxon.
Hanna, A. J., B.A. Belf., Ph.D. Lond.
Pugh, T. B., B.A., B.Litt. Oxon.
Pelham, R. A., M.A. Wales, Ph.D. Birm. (Historical Geog.).
Mather, F. C., M.A. Manc.
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. Dean, Fac. of Law, Dir.

Part-time Lecturers

Stanier, J. G., LL.B. Lond.
Edwards, C. W., B.A. Oxon.

Part-time Assistant Lecturers

Keir, J. D., M.A. Oxon.
Scarlett, J. H. A., M.A. Oxon.
Morrison, C. A., B.A.
Gotlieb, A. E., B.C.L. Oxon.
Brodie, S. E., B.A. Oxon.
Bhutto, Z. A., B.A. Oxon.
Chapman, G. L., B.A., B.C.L. Oxon.
Dyer, L. M., B.A.

*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, M.A., Ph.D. Birm.
Bermingham, K., B.Sc. Lond. Tech. Lectr.

*Music*

Williams, D. C., Mus.Bac. Durh., F.R.C.O. Dir.

*Philosophy*

MacIver, A. M., M.A. Oxon. Sr. Lectr.
Manser, A. R., M.A. Oxon. Lectr.

*Physics*

Taylor, A. M., M.A., Ph.D. Camb., F.I.P. Prof.
Weintroub, S., M.A. Oxon., F.I.P. Sr. Lectr.

Lecturers

McNeill, D. B., M.Sc., Ph.D. Belf.
Kellner, K., Ph.D. Edin.
Jerrard, H. G., B.Sc. Lond.
Myers, W. R., M.Sc. Lond.
Braybon, J. E. H., B.Sc. Lond.
Mercer, D. M. A., B.Sc. Lond., M.A. Camb.
Le Croissette, D. H., M.Sc. Lond.

*Romance Languages*

French

Hackett, C. A., M.A. Camb., D. de l'U. Paris
Prof. in charge of Romance Langs.

Lecturers

Beaumont, E., M.A., Ph.D. Lond.
Mayer, C. A., B.A., Ph.D. Lond.
Foster, B., M.A., D. de l'U. Paris.
Cruickshank, J., M.A., Ph.D. Dub.
Scott, J. W., B.A. Leeds.
Eastman, Mrs. Simone P., O.A. Lectrice.
1 Lecteur.

Spanish

Kerr, R. J. A., M.A. Glas. Lectr.
1 Asst.

*Theology*

Livesey, Rev. H., M.A. Oxon., F.R.A.I.
Supervisor of Studies.

Hon. Lecturer

Frith, Rev. H. I., M.A. Manc., B.D. (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.

**Institute of Education**

Wagner, F. W., M.A. Oxon., B.Sc. Adel. Dir.
Hicks, W. C. R., B.A. Lond., Dr.Phil. Erlangen
Sec. and Dept. Dir.
Lobb, K. M., M.A., Ph.D. Lond. Acad. Asst.
Evans, E. G. S., M.A., Ph.D. Birm. Lectr., Tutor.
Douch, R., M.A. Lond. Lectr.

**Adult Education**

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., B.Sc. (Econ.) Lond., F. A. Ollett, M.A. Camb., A. Hodson, B.A. Liv., D. C. Hawkins, B.Sc. (Econ.) Lond., B. Schaffer, B.Sc. (Econ.) Lond.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Sec., Mrs. N. H. Hall; Appointments Officer, L. E. Tavener, M.A. Camb.; Secretary's Private Sec., Hilda Boyens; Hd. Clerk of College Office, Dorothea C. Oxford; 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. Rev. H. Livesey, M.A. Oxon., F.R.A.I. (Connaught Hall); Elizabeth U. Lightbody, M.A. Edin. (Highfield Hall);

Mary I. Ward, B.A. Birm. (South Hill); R. A. Pelham, M.A. Wales, Ph.D. Birm. (South Stoneham House); H. C. H. Mead, B.A. Camb. (Glen Eyre Hall).

## GENERAL INFORMATION

The Hartley Institution, founded in 1850 and opened in 1862, was incorporated in 1902 under a scheme of the Board of Education as the Hartley University College at Southampton. In 1953 it was merged in the University of Southampton, constituted by Royal Charter in 1952.

LIBRARY. The Edward Turner Sims Library and the Departmental Libraries contain about 88,000 vols. Current periodicals number over 400.

FACULTIES AND DEANS. *Arts*, Dr. W. I. Lucas (German); *Economics and Commerce*, Prof. P. Ford (Econ.); *Education*, Prof. F. W. Wagner; *Engineering*, Prof. A. N. Black (Mech. Engin.); *Law*, S. N. Grant-Bailey; *Science*, Prof. N. K. Adam (Chem.).

DEGREE COURSES. B.A.—General and Hons.; B.Sc.—General and Special; B.Sc. (Eng.)—Ordinary and Hons.; B.Sc. (Econ.)—Hons. and Pass; B.A. (Law)—Hons. All degrees, except B.Sc.(Econ.), are awarded after a 3-yr. course provided that certain entrance requirements, particularly for Hons. Courses, are met. B.Sc. (Econ.) is awarded 3 yrs. after completion of Qualifying Examn. The LL.B. will be awarded as a 2nd degree after a 3-yr. course following completion of B.A. (Law). The Dept. of Legal Studies prepares students for the Bar and Solicitors' examns. as well as for the Univ.'s degrees.

The B.Sc. (Eng.) in Aeronautical Engin. may be taken as a joint Univ.-Apprenticeship course, providing the student with a Univ. degree and a well co-ordinated practical trg. in 4 yrs.; in each of the 4 yrs. the student spends 2 terms at the Univ. and 6 mos. with one of a no. of specified firms.

HIGHER DEGREES. M.A., M.Sc., M.Sc. (Eng.), M.Sc. (Econ.), M.A. (Ed.), LL.M. (1-2 yrs. after bachelorship), open to grads. of the Univ. and of other approved Univs.; Ph.D. (2 yrs.), open to grads. of U.K. Univs. and other approved Univs.; grads. of the Univ. may obtain D.Litt., D.Sc. and LL.D. 6 yrs. after 1st graduation.

SPECIAL PROVISIONS. The Dept. of Educn. provides 1-yr. postgrad. course for teachers in training.

Sp. provision for aeronautical instruct. (low and high speed wind tunnels); aircraft manufacturing firms in district provide opportunities for keeping in close touch with practical aircraft construct.

Through its evening classes (attended by about 880 students) the Univ. performs the function of a Sr. Technical Inst.

DIPLOMA AND CERTIFICATE COURSES. Dipl. in Soc. Studies (1-yr. postgrad. course); Certif. in Soc. Studies (2-yr. course); Dipl. in Electronics (1-yr. course for grads. and others with technical qualifics.); Dipl. in Pub. Admin. (2-yr. course; pt.-time courses arranged to meet requirements of Local Govt. Officers); Inst. of Educn. Certif. in Educn. (1-yr. postgrad. course).

ADMISSION. *See* Appendix I.

FEES. Matriculation, £3 : 3s.; Registration, £1 : 1s. The annual tuition 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. Application fee for all courses, 10s.

*Students' Union* composite fee, £4 : 4s. This fee entitles students to membership of all student societies and clubs, including the Athletic Union, and to the use of the Common Rooms.

ATHLETIC UNION. Facilities are provided for all the Union branches of sport, including Rugby and Association football, cricket, rowing, hockey, tennis and athletics.

SCHOLARSHIPS AND EXHIBITIONS. The Univ. offers annually (*a*) 31 Open Scholarships of values from £40 to £100. All tenable for 3 yrs. and supplemented by the Ministry of Education. The holders are required to pay tuition fees. (*b*) Four Open Exhibitions. Four Exhibitions to candidates resident in Borough of Southampton. Two Social Studies Exhibitions. Exhibitions are of the value of free tuition.

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

LOAN FUND. A fund is available to help sr. students in need of financial assistance.

HALLS OF RESIDENCE. All full-time students must ordinarily reside in one of the Halls of Residence or in approved lodgings, unless living with parents or guardians. The Halls are—For women : Highfield Hall, Omdurman Road, Southampton, 98 places (*Telephone* : South. 55483) ; South Hill, Glen Eyre Road, Southampton, 32 places (*Telephone* : South. 68039). For men : Connaught Hall, Swaythling, Southampton, 130 places (*Telephone* : South. 54402) ; South Stoneham House, Swaythling, Southampton, 75 places (*Telephone* : South. 55627) ; Glen Eyre Hall, Glen Eyre Road, Bassett, Southampton (still being built), at present approx. 100 places (*Telephone* : South. 68959). Fees for the session : Women, £95–£100, Men, £105–£110, not including lunches or teas.

UNIVERSITY AIR SQUADRON. The Univ. Squadron was established in 1941. Membership is open to all Freshmen, whether from School or ex-Service. All entrants become members of the R.A.F.V.R. C.O.—S/Ldr. D. H. Downs.

THE HARTLEY SOCIETY. This is a former students' Assocn., membership of which is open to all former day students. There are branches in London and the Midlands.

STUDENTS' HEALTH. There is no fully established Health Service, but each Hall of Residence has its Medical Officer, and arrangements are made for the mass radiography of all students.

APPOINTMENTS BOARD. (For Appts. Officer *see* "Administrative and other Staff," p. 497.) The Bd. advises students upon their careers; collects and distributes information on vacancies in employment; establishes contact with technical firms, business houses, govt. depts., etc., with a view to placing students in employment.

ADULT EDUCATION. The Dept. of Adult Educn. provides courses covering a wide range of non-vocational subjects for groups of adult students in Hampshire, W. Sussex, E. Dorset and the Isle of Wight. Extension courses and Tutorial classes are organized under the direction of the Jt. Cttee. for Adult Educn. The panel of Extension lecturers and tutors includes members of the Univ. Staff and other approved teachers.

INSTITUTE OF EDUCATION. *Constituent Members* : Univ. Dept. of Education; Bournemouth Coll. of Art ; City of Portsmouth Training College ; The Avenue

Training College, Southampton; The Training College, Weymouth; King Alfred's College, Winchester. *Associated College*: The Southern College of Art. *Dir.*: Prof. F. W. Wagner, M.A. Oxon., B.Sc. Adel.; *Sec. and Dep. Dir.*: W. C. R. Hicks, B.A. Lond., Dr.Phil. Erlangen; *Librarian*: Miss M. S. Allenby-Moore, F.L.A.

PUBLICATION. *Calendar* (Sept.).

## THE YEAR 1951–52

NEW BUILDING. New Chem. block completed.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. C. Ehresmann, Stras.

RETIREMENT. Sir Robert S. Wood (Principal and Vice-Chancellor 1946–52).

RESIGNATIONS. B. C. Alford (Engin.), apptd. to industrial post in Canada; A. R. Burkin (Chem.), apptd. to Imp. Coll., Lond.; C. E. Everard (Geog.), apptd. to Glasgow U.; T. W. Gregson (Engin.), apptd. to industrial post; Mrs. A. T. Markwick (Warden of South Hill), apptd. to Birm. U.; W. F. Maunder (Econ.), apptd. to Univ. C. of W. Indies; Prof. J. S. Spink (French), apptd. to Bedford Coll., Lond.; B. C. H. Waters (Engin.), apptd. to res. post in America.

DEATH. P. G. Spary (Engin. Lectr. 1919–52).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 31 | 688 |
| Women | 15 | 280 |
| Total | 46 | 968 |

Postgraduate students, 143.

New admissions, 339 (219 men; 120 women).

Students (full-time) from other countries, 36. (Countries from which largest numbers came: British W. Africa, 8; Cyprus, 3; Federation of Malaya, 3.)

DEGREES. B.A., 62; B.Com., 3; B.Sc. (Econ.), 17; B.Sc. (Engin.), 30; B.Sc., 85; M.A., 1; M.Sc., 1; M.Sc. (Econ.), 1; Ph.D., 5.

DIPLOMAS AND CERTIFICATES. Postgrad. Certif. in Educn., 85; Postgrad. Dipl. in Electronics, 13; Certif. in Soc. Studies, 14; Health Visitors' Certif. of Royal Sanitary Inst., 17.

[*Information compiled as at 27/6/53;*
*Staff list revised on 23/9/53.*]

# UNIVERSITY OF WALES*

Founded 1893

*Postal Address*: University Registry, Cathays Park, Cardiff, Wales.
*Telephone*: Cardiff 22656-7.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—H.R.H. THE DUKE OF EDINBURGH, K.G., K.T., LL.D. Wales and Edin., F.R.S.

PRO-CHANCELLOR—The Rt. Hon. LORD HARLECH, K.G., G.C.M.G., D.C.L. Oxon., LL.D., F.S.A.

VICE-CHANCELLOR—for biennium ending Aug. 31, 1954, Principal JOHN S. FULTON, M.A. Oxon., Univ. College of Swansea.

WARDEN OF THE GUILD OF GRADUATES.—Professor Emeritus T. H. PARRY-WILLIAMS, D.Litt. Oxon., Ph.D. Freiburg, D.Litt.

DEAN OF DIVINITY—Professor AUBREY R. JOHNSON, Hon. D.D. Edin., Ph.D., F.B.A.

REGISTRAR—T. J. MORGAN, D.Litt., University Registry, Cathays Park, Cardiff.

SECRETARY TO THE COUNCIL—ELWYN DAVIES, M.A., M.Sc., Ph.D. Manc.

## ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY APPOINTMENTS BOARD. Sec., J. H. Lloyd, M.Sc. Birm., Univ. Registry, Cathays Park, Cardiff. (*Telephone*: Cardiff 22656.) UNIVERSITY SCHOOL OF EDUCN. Sec., A. Davies, B.A., Univ. Registry, Cathays Park, Cardiff. (*Telephone*: Cardiff 22656.) UNIVERSITY COUNCIL OF MUSIC. Chief Officer, J. M. Nicholas, Univ. Registry, Cathays Park, Cardiff. (*Telephone*: Cardiff 27066.) CHIEF MEDICAL OFFICER FOR STUDENT WELFARE. J. Grant, M.B., B.S. Lond. *Assts.*: R. A. N. Hitchens, M.B., B.Ch., D.P.H.; Edith McKnight, B.Sc., M.B., Ch.B. Glas., D.P.H. Glas., Inst. of Preventive Medicine, The Parade, Cardiff. (*Telephone*: Cardiff 29268.)

## CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH: *see* p. 506.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR: *see* p. 513.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF: *see* p. 519.

UNIVERSITY COLLEGE OF SWANSEA: *see* p. 526.

## SCHOOL OF THE UNIVERSITY

THE WELSH NATIONAL SCHOOL OF MEDICINE: *see* p. 531.

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

## 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. Oxon., Prof. of *Christian Doctrine and Ethics*. Other Profs.: Rev. B. Hall, M.A. Camb. and Durh., *Church Hist.*; S. H. Hedley Perry, M.A. Camb., *Hebrew and O.T. Exegesis*; Rev. S. Ifor Enoch, M.A. Camb., *New T. Greek*; Rev. R. N. Williams, M.B.E., M.A. Camb., *Theism and Philos. of Religion and Hist. of Religions*. At *Bala* (Theological College, Bala; *Telephone*: Bala 66): Principal—Rev. G. Rees, M.A.; ....., *Past. Theol.*

BANGOR SCHOOL OF THEOLOGY (University College of North Wales, Bangor; *Telephone*: Bangor 501). Rev. Principal J. Williams Hughes, M.A. Oxon., B.D.; Rev. S. I. Buse, M.A., B.D., *N.T. Greek*; Rev. Prof. B. J. Roberts, M.A., D.D.; D. R. Ap-Thomas, M.A. Oxon., B.D., *Hebrew*; Rev. Prof. R. T. Jones, D.Phil. Oxon., B.A., B.D.; T. Richards, M.A., D.Litt.; Prof. Emer. R. T. Jenkins, M.A. Camb., D.Litt.; Rev. T. J. Morris, M.A. Oxon., *Ch. Hist.*; Rev. Principal G. Bowyer, M.A., B.D., *Christ. Doct.*; Prof. H. D. Lewis, M.A., B.Litt. Oxon.; T. H. McPherson, B.A. N.Z., B.Phil. Oxon., *Philos. of Religion*; Rev. D. W. Gundry, M.Th. Lond., *Hist. of Religions*; Rev. Prof. T. E. Jones, M.A., B.D., *The Holy Script and Hebrew.*

BRECON, The Memorial Coll. (*Telephone*: Brecon 345). Principal—Rev. W. T. P. Davies, B.A., B.Litt. Oxon., Ph.D. Yale, *Ch. Hist.* Other Profs.: Rev. J. D. V. Lewis, M.A. Oxon., B.D., *Hebrew and Old T. Exegesis*; Rev. I. Thomas, B.A., B.D., *New T. Greek and Exegesis*; Rev. D. J. Davies, B.A., *Christian Doctrine and Ethics, Theism and Philos. of Religion.*

CARDIFF SCHOOL OF THEOLOGY (University College of S. Wales and Mon., Cathays Park, Cardiff; *Telephone*: 20781). Rev. Principal E. Roberts, M.A. Oxon., B.D., *Philos. of Religion, Philosophical Theism and Christian Doctrine and Ethics*; Prof. L. J. D. Richardson, M.A. Dub. and Wales; Rev. Prof. D. R. Griffiths, M.A. Oxon., B.D., M.Th. Lond., *New T. Greek and Exegesis*; Prof. A. R. Johnson, Hon. D.D. Edin., Ph.D., F.B.A.; Rev. E. R. Rowlands, M.A.; Rev. E. T. Ryder, M.A. Oxon., B.D. Lond., *Old T. Hebrew and Semitics*; Rev. Prof. D. M. Himbury, B.Litt. Oxon., B.A., B.D., *Church Hist.*

CARMARTHEN, The Presbyterian Coll. (The Parade, Carmarthen; *Telephone*: Carmarthen 7157). Principal—Rev. J. D. Jones, B.A., B.D. Lectrs.: Rev. Prof. T. G. Davies, B.A., B.D., *Ch. Hist.*; Rev. Prof. J. O. Stephens, M.A. Camb., B.D., *Christian Doctrine and Ethics and Theism and the Phil. of Religion*; Rev. Prof. D. P. Roberts, M.A. Oxon., B.D., *New T. Greek*; Rev. Prof. D. L. T. Evans, B.A., B.D., *Hebrew and Old T. Exegesis.*

## GENERAL INFORMATION

The Univ. was founded by Charter, 1893. As the result of an enquiry held by a Royal Commission in 1916–18, a Supplemental Charter was granted to the Univ. in 1920, which introduced many changes, the most important being the establishment of a fourth constituent Coll. at Swansea, and the substitution of the Academic Bd., composed of representatives of all the Univ. Facs., for the former Univ. Senate which had been made up of all the Hds. of the teaching depts. in the three constituent Colls. A further Supplemental Charter was granted in 1932 providing *inter alia* for the institution of the Welsh National School of Medicine as a School of the Univ., and for

the recognition of Schools of Theology at the Collegiate centres. The teaching for initial degrees is undertaken by the constituent and associated Colleges and by the Welsh National School of Medicine, and matriculation in the Univ. is open only to students of those institutions; in the case of an associated Theological College, only to students who are graduates of an approved University. The Technical College, Cardiff, is associated for the purpose of providing courses of study for the degrees of B.Pharm. and B.Arch. The Univ. prescribes conditions under which it awards initial degrees to students of the Colleges and of the School of Med. and conducts the final examns. An Academic Advisory Committee deals with the conditions on which School-Leaving certificates are accepted by the Univ. for matriculation, and with other matters lying in the borderland between School and Univ.

FACULTIES. Arts and Science (consisting of the respective Coll. teaching Faculties of Arts and Science); Architecture; Education; Law; Music; Rural Science; Technology; Theology; Medicine (the Senate of the Welsh Natl. Sch. of Med.).

ADMISSION. *See* Appendix I.

DEGREES. B.A.; B.Sc.; B.Mus.; LL.B.; B.Pharm., M.B., B.Ch.; B.Arch. For the degree in Med., the period of qualification is 5 yrs. 2 terms, of which the last 3 yrs. may be spent in an approved School of Med. The period of qualification for the degree of B.Arch. is 6 yrs. The first year of study is pursued in one of the constituent Colleges of the University and the remainder in the Cardiff Technical College. For the other first degrees, 3 yrs. of study are required. Study for an Honours degree in Arts, Science, Music or Law ordinarily covers 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.; Ph.D. (in Arts, Science, Law, Medicine). For the degree of B.D. (3 yrs.' course), study is pursued in one of the Associated Theol. Colls. or at the Schools of Theol. of the University Coll. of N. Wales, Bangor, and the University Coll. of S. Wales and Monmouthshire, Cardiff. The M.A., M.Sc. and LL.M. may be awarded to graduates of other Univs. approved for this purpose who pursue a scheme of research for at least 2 yrs. in one of the constituent Colls. As regards Ph.D., *see* p. 24.

DIPLOMAS AND CERTIFS. 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, at least 1 yr. for graduates and others with equivalent qualifications; Theology, 3 yrs.

FEES: Matricn., £3; examns. qualifying for Bachelor degree, from £6: 15s.; Master, £8; Ph.D., £12: higher Doctorates, £20. *See* separate Colleges for tuition fees.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II. Details of other postgraduate awards are given in the Univ. *Calendar*.

The GUILD OF GRADUATES consists of the Graduates and Honorary Graduates of the University. Periodical meetings are held. Its officers are the Warden, the Clerk and the Treasurer. Address for communications: University Registry, Cathays Park, Cardiff.

The UNIVERSITY SCHOOL OF EDUCATION, which is an area training organization, came into being in 1949 and superseded the University Board for Training Colleges. It is charged with the duty of surveying the general educational needs of Wales and Monmouthshire in regard to the education and professional training of teachers, and of co-ordinating developments and directing long-term policy, so as to formulate a comprehensive system for the training of teachers in the area. The organization comprises the University Education Board, the University Faculty of Education, and the four Collegiate Faculties of Education at Aberystwyth, Bangor, Cardiff and Swansea.

UNIVERSITY EXTENSION BOARD co-ordinates and reviews the extra-mural work of the constituent Colls. Details under Colls.

BOARD OF CELTIC STUDIES organizes, and publishes results of, research into the hist., lang., lit., laws, customs, archæol., art and instns. of the Celtic peoples. Publications: *Bulletin* half-yearly; *Llen Cymru* (a journal of literary research) half-yearly.

The UNIVERSITY APPOINTMENTS BOARD is concerned with appointments of all kinds.

1951–52, 825 appointments (men, 668, women, 157), including: Educational, 243; Industrial, etc., 408; vacation posts, 174.

PUBLICATIONS. *Calendar* (Oct.), 6s. post free. Courses in Div. and in Mus., and Matricn. and Degree Regns., free. 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., 1915). 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 University of Wales: A Historical Sketch*, by D. Emrys Evans (Univ. of Wales Press, 1953).

UNIVERSITY PRESS. Established by Charter, 1922. Main field of interest: books in Welsh and works of research relating to Wales. Offices: University Registry, Cathays Park, Cardiff.

## THE YEAR 1951–52

RECENT DEVELOPMENTS. Approval given for provision of Final and Hons. courses in Biblical Hist. and Lit. at U.C. of S. Wales and Mon., Cardiff. Regulns. for degrees of B.A. and B.Mus. revised. Status of Hd. of dept. of German at U.C. of S. Wales and Mon., Cardiff, raised from that of Independent Lectr. to that of Prof.

HONORARY DEGREES. July 1952 Congregation: *M.A.*—R. D. Griffith; C. Jones; W. W. Price; J. O. Williams. *LL.D.*—Sir William Roberts. *D.Sc.*—I. R. Cox; Sir George Stapledon; Prof. Emer. O. H. Williams. *D.Litt.*—Prof. R. S. Loomis; Sir Charles K. Webster. *D.D.*—Most Rev. J. Morgan (Lord Archbishop of Wales).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 102 | 3547 |
| Women | 54 | 1316 |
| Total | 156 | 4863 |

Postgraduate students, 206.

First-year admissions, 1250.

Students (full-time) from other countries, 119. (Countries from which largest numbers came: British W. Africa, 23; British E. Africa, 21; British W. Indies, 11; Federation of Malaya, 10; India, 8; Poland, 6.)

DEGREES. B.Arch., 7; B.A., 435; M.A., 41; LL.B., 13; LL.M., 1; B.Pharm., 14; M.Pharm., 1; M.B., B.Ch., 54; M.D., 2; M.Ch., 1; B.Mus., 9; M.Mus., 1; D.Mus., 1; B.Sc., 527; M.Sc., 42; D.Sc., 3; B.D., 9; Ph.D., 28.

[*Information compiled as at* 1/6/53 ;
*Staff list revised on* 23/9/53.]

# 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 LISBURNE ; Lieut.-Col. Sir GEORGE FOSSETT ROBERTS, C.B., O.B.E., D.L., LL.D., J.P.

TREASURER—IVOR EVANS, M.A. Oxon.

PRINCIPAL—GORONWY REES, M.A. Oxon.

VICE-PRINCIPAL—Professor R. F. TREHARNE, M.A , Ph D. Manc.

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., Ph.D., 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.
Graham, S. H., B.Sc , Ph.D. Glas.
Morrison, G. A., M.A., D.Phil. Oxon. (Biochem.).

Assistant Lecturer

Williams, A. J. S., B.Sc.

*Classics*, v. Greek and Latin

*Economics and Pol. Science*, v. also Politics, International

Beacham, A., M.A. Liv., Ph.D. Belf., B.A. Prof.
George, P., M.A. Camb., M.Sc. (Stats. and Econometrics) Sr. Lectr.

Lecturers

Morris, J. H., M.Sc. (Econ.) Lond.
Guenault, P. H., M.A. Sheff.
Harbury, C. D., B.Com. Lond.
Nevin, E. T., Ph.D. Camb., M.A.
Hart, P. E., B.Sc. Lond. Asst. Lectr.

*Education* (incl. Art and Crafts)

Jones, Idwal, M.A. Prof.
Jones, Gwenan, Ph.D. Minn., M.A. Sr. Lectr. and Mistress of Method.
Creed, Rachel M., M.A. Oxon. Lectr.

Saer, Hywela A., Ph.D. Lond., B.A. Lectr.
Lewis, W. J., M.Sc. Lond. Lectr.
Trott, A. L., M.Ed. Durh., M.A. Lectr.
Morrison, J. R., M.A., B.Sc. Glas., B.Ed. Edin. Lectr.
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., M.A. R'dg.
Kinsley, J., M.A. Oxon., M.A., Ph.D. Edin.
Price, C. J. L., M.A., Ph.D.
Slay, D., M.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, T.D., M.A. Lectr.
Taylor, O. R., M.A. Lectr.
Niord, Yvonne G. R., L. ès L. Paris, M.A. Asst. Lectr.

*Geography and Anthropology*

Bowen, E. G., M.A. Gregynog Prof.

Lecturers

Fogg, W., M.A. Manc.
Watson, E., M.A. Belf.
Howe, G. M., M.Sc.
Thomas, J. G., M.A.
Yates, R. A., M.Sc. Brist.
Carter, H., M.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.
Kirk, Nancy H., B.A., Ph.D. Camb. Asst. Lectr.

*German*

Magill, C. P., M.A. Camb., Ph.D. Lond. Prof.
Finch, R. G., M.A. Lectr.
Robinson, A. R., B.A. Lond., Ph.D. Edin. Lectr.

*Greek and Latin*

Davies, W. H., M.A. Prof. of Classics.
Duff, A. M., M.A., B.Litt. Oxon. Sr. Lectr.

Lecturers

Hudson-Williams, A., M.Litt. Camb., B.A.
Wild, L. N., B.A. Oxon., M.A. Sheff.
Rees, B. R., M.A. Oxon.

*History*

Treharne, R. F., M.A., Ph.D. Manc. Prof.
Johnston, S. H. F, M.A., B.Litt. Oxon. Sr. Lectr.

Lecturers

Sanders, I. J., D.Phil. Oxon., M.A.
Davies, A., M.A.
Fryde, E. B., M.A., D.Phil. Oxon.
Conway, A. A., M.A. Lond.

*History, Colonial,* v. Politics, International

*History, Welsh*

Williams, D., A.M. Col., M.A. Sir John Williams Prof.
Pierce, T. J., M.A. Liv. Res. Prof. (Mediæval).

*Law, English*

Davies, D. J. Ll., M.A. Camb., LL.B. Prof.

Lecturers

Dunbar, N. C. H., LL.M. Sheff.

Wilson, J. F., B.A. Oxon.
Chloros, A. G., B.A. Oxon.
Asst. Lectr.

*Logic and Philosophy*

Aaron, R. I., D.Phil. Oxon., M.A. Prof.
Davies, D., Ph.D. Glas., M.A. Sr. Lectr.
Spilsbury, R. J., M.A. Oxon. Lectr.
Smart, R. N., B.A., B.Phil. Oxon. Asst. Lectr.

*Mathematics, Applied*

Kynch, G. J., B.Sc., Ph.D. Lond., A.R.C.S., D.I.C. Prof.
Meyler, Dorothy S., M.Sc. Lectr.
Easthope, C. E., Ph.D. Camb., M.Sc. Lectr.
Robinson, I., M.A. Camb. Lectr.

*Mathematics, Pure*

Morton, V. C., M.A. Oxon. Prof.
Meyler, Dorothy S., M.Sc. Lectr.
Kennedy, P. B., M.Sc. N.U.I. Asst. Lectr.

*Music*

Parrott, H. I., M.A., D.Mus. Oxon., F.T.C.L. Gregynog Prof.
Clements, C., B.Mus., F.R.C.O. Lectr.
Clapham, J., D.Mus. Lond. Lectr.

Executants and Teachers

Allen, W. R. (Singing).
Jeremy, R., F.R.A.M. (Viola).

*Philosophy*, v. Logic

*Physics*

Davies, R. M., Ph.D. Camb., D.Sc., F.I.P. Prof.
Jones, I. C., M.Sc., F.I.P. Sr. Lectr.

Lecturers

Richards, D. A., M.Sc. Lond., A.R.C.S., D.I.C.
Job, E. M., B.Sc.
Jones, W. M., D.Phil. Oxon., B.Sc.
Trevena, D. H., B.Sc., Ph.D. Asst. Lectr.
1 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.*

Jones, T., M.A. Prof.
Jones, D. J. Gwenallt, M.A. (Mod. Welsh Lit.) Sr. Lectr.
Hughes, G. H., M.A. Lectr.
Watkins, T. A., M.A. Asst. Lectr.

*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**

*Agriculture (Animal Husbandry)*

Nichols, J. E., M.Sc. Durh., Ph.D. Edin. Milford Prof.
Phillips, R., M.Sc. Asst. Dir. of Res.
Evans, E. T. Rees, B.Sc. Lond. Lectr. in Animal Physiol.
Morrison, G. A., M.A., D.Phil. Oxon. (Biochem.) Lectr.
Lees, J. L., B.Sc. R'dg. Asst. Lectr.

*Agriculture (Crop Husbandry)*

Ellison, W., B.Sc., Ph.D. Durh. Prof.
Henderson, J. L., B.Sc. Edin., Ph.D. Lectr.

*Agricultural Botany*

Thomas, P. T., B.Sc., Ph.D. Prof.
Griffiths, E., M.Sc. Lectr.
Durrant, A., B.Sc. Durh., Ph.D. Birm. Asst. Lectr.

*Agricultural Chemistry*

Davies, R. O., M.Sc., F.R.I.C. Ind. Lectr.
Ashton, W. M., B.Sc., Ph.D. Sr. Lectr.
Jenkins, W. Ll., M.Sc. Lectr.

*Agricultural Economics*

Nash, E. F., M.A. Oxon. Prof. and Adviser.

Senior Agric. Economists

Phillips, J. R. E., M.A.
Jawetz, M.B., B.Sc. R'dg.
Evans, D. H., M.Sc. Nott., B.Sc.

Agricultural Economist

Beynon, Mary T., B.Sc.

Asst. Agric. Economists

Jones, W. D., B.Sc.
Johnson, Eira, B.A. Lond.
Dummer, M. H., B.A.
Lewis, C. J., B.Sc.
Williams, E., B.A.

*Agric. Zoology*, v. Zool., *supra*

*Dairying*

Lewis, J., M.Sc. Director of Dairy.
Gregory, Margaret, B.Sc. R'dg. (Dairy Bact.) Asst. Lectr.
Park, Barbara M., B.Sc. Durh. Demr.

**Welsh Plant-Breeding Station**

(Agricultural Research Building, Penglais)

Jones, E. T., M.Sc. Dir.

Research Officers i/c Investigations

Evans, G., M.Sc.
Jones, Ll. I., B.Sc.
Beddows, A. R., M.Sc.
Griffiths, D. J., M.Sc.
Davies, W. E., B.Sc.

Research Officers

Milton, W. E. J., M.Sc.
Phillips, Ll., B.Sc.
Roberts, H. M., B.Sc.
Hughes, R., M.Sc.
Lewis, J., B.Sc.
Davies, I., B.Sc.
Jones, K., B.Sc.
Troughton, A., B.Sc. Durh.
Carr, A. J. H., B.Sc. Lond.
Evans, Alice M., B.Sc.
Holden, J. H. W., B.Sc.
Charles, A. H., B.Sc.
Cocks, Betty, B.Sc. Lond., Ph.D. Birm.

**University Extension**

Rees, A. D., M.A. Dir. of Extra-Mural Studies.

Residential Tutors

Lewis, D. Hughes, B.A.
Thomas, Brynmor, M.A.
Anthony-Jones, W. J., M.A.

Staff Tutors

Davies, J., B.A.
Jenkins, D., M.Sc.
105 Tutors.

## ADMINISTRATIVE AND OTHER STAFF

Lectr. and Coll. Adviser in Physical Trng.: H. Williams, B.A., Dip. in Physical Education Lond. Instructress in Physical Trng.: Hazel A. Berndt. Wardens of Halls of Residence: L. Powys Roberts, M.A. Oxon. (Alexandra Hall); Mrs. G. Morgan Jones, B.A. (Carpenter Hall); A. R. Robinson, B.A. Lond., Ph.D. Edin. (Plynlymon Hall); H. A. Saer, Ph.D. Lond., B.A. (Ceredigion Hall); J. G. Thomas, M.A. (Pantycelyn Hall). Appts. Officers: W. M.

Ashton, B.Sc., Ph.D.; J. K. Williams, M.A. Supervisor of Men's Lodgings: J. I. Platt, M.Sc. Manc.

## GENERAL INFORMATION

Founded in 1872, the College was incorporated by Royal Charter in 1889, and is a constituent College of the Univ. of Wales. Its main building and most Halls of Residence are on the sea front, facing Cardigan Bay. Pantycelyn Hall is situated on Penglais Hill, the future site of the Coll.

FACULTIES AND DEANS. *Arts*, S. H. F. Johnston (Hist.); *Education*, Prof. Idwal Jones; *Law*, Prof. D. J. Ll. Davies; *Music*, ..... ; *Science and Rural Science*, Prof. W. Ellison (Agric., Crop Husbandry).

LIBRARIES. College, 115,000 vols. and 13,500 pamphlets. Access to the National Library of Wales; founded in 1907; since 1912 entitled, under the Copyright Act, to a copy of every book published in Gt. Britain and Ireland; contains over 1,000,000 printed works (books, pamphlets, newspapers, journals), 25,000 manuscript vols., and about 3,500,000 deeds and other documents, together with a very large collection of maps, prints and drawings. It has a general reference library which specializes also in printed books, manuscripts and graphic material relating to Wales and the other Celtic countries.

MUSEUMS AND LABORATORIES. Archæol., Bot., Chem., Ethnog., Geog., Geol., Zool., Gallery of Arts and Crafts. Agric. Expl. and Plant-Breeding Stations, College Farm and Botanical Gardens on Penglais.

ADMISSION. Those wishing to read in the College for a degree (awarded by the University of Wales) must satisfy the University admission requirements. *See* Appendix I.

DEGREE AND DIPLOMA COURSES. Courses in Arts, Science, Rural Sci., Law, Music, for Degrees of the Univ. of Wales and for University Diplomas in Agricultural Science and Education.

College Diploma courses: Anthropology, 2 yrs.; Bilingual Studies, 1 yr.; Dairying, 2 yrs.; Geography, 1 yr.; Biology, 1 yr.; Art, 2 yrs.; Handicraft, 2 yrs.

Courses in Science meet the requirements of the first year of Medical study, the examns. of the Pharmaceutical Society and other bodies.

POSTGRADUATE STUDY. Courses (1 yr.) for Teachers, in Agric., and in Dairying.

RESEARCH work for higher degrees of the Univ. is systematically carried on in all Depts. Special facilities in Internat. Politics, Agric., Animal Health, Biochem., Bilingual Educn. and Plant Breeding.

ANNUAL FEES for tuition in Arts, £30; Science, £35; Research students, 10 to 20 gs.; Registration, £1 : 1s.

UNIVERSITY EXTENSION. Extra-Mural classes in many subjects.

POSTGRADUATE AWARDS open to graduates of other Univs.: *see* Appendix II. *Travelling Grants* for visiting Continental institutions, total, £440. Grant varies according to expenses incurred.

APPOINTMENTS BOARD. *See* under Univ. There are two Appointments Officers (Arts and Science) in the College (for Officers *see* " Administrative and other Staff," p. 509).

OLD STUDENTS' ASSOCIATION. Open to graduate and non-graduate old students of the College.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 509.) Women: Alexandra Hall (*Telephone*: 415), Carpenter Hall (*Telephone*: 516) and Ceredigion Hall (*Telephone*: 7159), accommodating 170, 55 and 67 students respectively. Men: Pentycelyn Hall (*Telephone*: 642) and Plynlymon Hall (*Telephone*: 7137), accommodating 124 and 71 students respectively. Fees: £115 per session. All enquiries should be addressed to the Registrar. Men students not residing in hall live in approved lodgings, list obtainable from Supervisor of Men's Lodgings.

AFFILIATION. The Coll. is recognized by Oxon. and Camb., and by Edin. and N.U.I., by certain of the medical examining bodies, by the Royal College of Veterinary Surgeons and by the Royal Institute of Chemistry.

STUDENT WELFARE. Every effort is made to foster the welfare of students by the encouragement of athletic and social activities. Playing fields with a running track, gymnasium and a swimming bath at Penglais, together with a club room and a refectory, are set apart for the use of students. A dining club has been organized for men students. The Coll. takes a full part in the Student Welfare Scheme of the Univ. of Wales (*see under* Welsh National School of Medicine, p. 535), and Med. Officers visit the Coll. each term. X-ray of the chest is compulsory for all students entering the Coll.

PUBLICATIONS. *Prospectus* (May); *Reports* (Oct.), 1s. 2d., post free; Students' Magazine, *The Dragon*; Inaugural Lectures.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Rt. Hon. Lord Milford, £2200 to Dept. of Agric. (Animal Husbandry); Hon. Gwenllian Philipps, £500 to Dept. of Agric. (Animal Husbandry); W. L. Davies, £125 to Agric. Developt. Fund; Sir Roger Thomas, £300 towards Hugh James Scholp.; N.A.L.G.O., £100 to Dept. of Public Admin.; Anglo-Saxon Petroleum Co., Ltd., £100 for field excursions for geol. students; Miss E. C. Nightingale, £50 towards Scholp. Fund; G. A. Edmunds, £30 towards Scholp. Fund; C. B. C. Storey, £26: 5s. to Dept. of Geol.; J. H. Bunford, £10 towards Bunford Fund.

EXTRA-MURAL WORK. Classes were held at 162 centres (41 Tutorial Classes, 17 Sessional Classes, 80 Terminal Courses, 24 Short Courses, 3 One-day Schools, 3 Week-end Schools, 1 Four-day Conference).

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. E. F. Jacob, Oxon., Gregynog Lectures (4) on "Medieval Humanism and the Renaissance"; Emer. Prof. W. J. Gruffydd, Sir D. Owen Evans Lectures (4) on "The Mabinogion"; Principal A. B. Steel, Cardiff U.C., single lectures on "The Forgotten War of 1812, its effect on Anglo-American Relations"; A. C. Crombie, U.C., Lond., "The Idea of Evolution"; P. Styles, Birm., "The Domestic Architecture of the Welsh Border."

RETIREMENTS. Prof. D. Evans (German); Prof. T. H. Parry-Williams (Welsh Lang. and Lit.); J. Pryse Howell (Agric. Econ.).

RESIGNATIONS. F. W. A. George (French), apptd. to Swansea U.C.; Hilarie M. Waddington (Physical Trng.), on marriage; J. E. Lewis (Econ.); J. R. Jones (Philos.), apptd. Prof. of Philos., Swansea U.C.; R. S. Edwards (Agric., Crop Husb.); G. Newman (Agric., Animal Husb.); A. N. Burton (Geol.).

DEATH. Principal Ifor L. Evans (Principal, 1934–52).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 3 | 809 |
| Women | 2 | 315 |
| Total | 5 | 1124 |

Postgraduate students, 181.

First-year admissions, 303.

Students (full-time) from other countries, 27. (Countries from which largest numbers came: British E. Africa, 7; British W. Africa, 5; Federation of Malaya, 4; Anglo-Egyptian Sudan, 3.)

Extra-mural students, 2951 (1717 men; 1234 women).

DEGREES. B.A., 118; B.Sc., 78; B.Sc. (Rural Sci.), 35; LL.B., 14; M.A., 17; M.Sc., 17; Ph.D., 9; LL.M., 1.

DIPLOMAS. Art, 1; Educn., 113; Dairying, 16.

CERTIFICATES. Dairying, 5; Educn., 6; Biblical Studies, 41.

[*Information compiled as at* 15/5/53 ;
*Staff list revised on* 1/10/53.]

# 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—Sir 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.
Woodhead, N., M.Sc. Manc. Sr. Lectr.

Lecturers

Jackson, G. A. D., B.Sc., Ph.D. Durh.
Lacey, W. S., B.Sc. R'dg.
Greig-Smith, P., M.A. Camb.

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. (Gk.) Prof.
Clarke, M. L., M.A. Camb. (Lat.) Prof
Hudson-Williams, T., M.A., D.Lit. Lond. (Gk.) Prof. Emeritus.
Thomson, H. J., M.A. Oxon., D.Litt. St. And. (Lat.) Prof. Emeritus.

Lecturers

Browne, R. A., Ph.D. Camb., M.A.
Pollard, J. R. T., M.A. Lond., B.Litt. Oxon.
Fitton-Brown, A. D., M.A. Camb.

*Economics*

Black, D., M.A., Ph.D. Glas. Prof.

Lecturers

Scammell, W. M., B.Com. Belf.
Gray, M., M.A. Aberd.
Jones, S., B.A.
Smith, G. P., B A. Camb. Asst. Lectr.

*Education*

Jenkins, D. W. T., M.A. Oxon. Prof.
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
Instr. in Rural Sci.
Glen, Margaret (Pt.-time)
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.

*English Lang. and Lit.*

Wright, H. G., M.A. Manc. (retires Sept. 30, 1954) Prof.
King, R. W., M.A. Lond. Sr. Lectr.

Lecturers

Owen, W. J. B., M.A. N.Z. and Oxon.
Bradbrook, F. W., M.A. Camb.

*Forestry*

Mobbs, E. C., O.B.E., M.A. Camb., B.Sc. Lond. Prof.
Thomson, T., M.Sc.
Prof. Emeritus.
Dobbs, C. G., Ph.D. Lond.
(Forest Bot.) Sr. Lectr.
Owen, T. H., B.Sc. Lectr.
Sutherland, J. W. R., B.Sc. Edin.
Lectr.

*French and Romance Philol.*

Alexander, I. W., M.A., D.Litt. Edin. Prof.
Cariou, Hélène Lectrice.
Watkins, J. H., M.A. Sr. Lectr.

Lecturers

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.
Prof.
Stuart, Mrs. Hannah S. M., B.A., Ph.D. Lond. Lectr.
Parry, I. F., M.A. Lectr.

*Hebrew and Biblical History and Literature*

Roberts, Rev. B. J., M.A., B.D.
Prof.

Lecturers

Ap-Thomas, D. R., M.A. Oxon., B.D. Lond., B.A.
Buse, Rev. I., M.A., B.D.

Assistant Lecturers

Owen, Rev. H. P., B.A. Oxon.
Whitley, Rev. C. F., B.D., Ph.D. Dub.

*History*, v. also Theol.

Dodd, A. H., M.A. Oxon. Prof.
Thomas, J. Alun, Ph.D. Lond., M.A. Sr. Lectr.
Denholm-Young, N., M.A. Oxon.
Sr. Lectr.

Lecturers

Cooke, M. E., M.A. Oxon., LL.B. Birm.
Lewis, R. A., B.A., Ph.D. Birm.
Usher, G. A., B.A.

*History, Welsh*

Roberts, G., M.A. Prof.
Jenkins, R. T., M.A., D.Litt. Camb., B.A., F.S.A.
Prof. Emeritus.

*Logic and Philosophy*, v. also Theol.

Lewis, H. D., B.Litt. Oxon., M.A.
Prof.

Lecturers

Jones, H. Morris, B.Litt. Oxon., B.A.
Thomas, L. E., M.A.
Rees, D. A., M.A., D.Phil. Oxon.
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. Prof.
Davies, E. T., F.R.C.O. Dir. Emeritus.
Smith, R. C., M.Mus. Lectr.
3 Executants and Teachers.

*Philosophy*, v. Logic and Theol.

*Physics*

Owen, E. A., M.A., Sc.D. Camb., D.Sc. Lond., M.Sc., F.I.P. (retires Sept. 30, 1954) 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., Ph.D.
Morgan, G. D., B.Sc., Ph.D.
Parker, R., B.Sc. Brist., Ph.D. Nott.

*Theology*, v. also Hebrew and Bib. Hist. and Lit.

Special Lecturers

Jones, Rev. Prof. R. T., B.Phil. Oxon., B.A., B.D.
Ap-Thomas, D. R., M.A. Oxon., B.D. Lond., B.A. (Old Test. and Semitics).
Lewis, Prof. H. D., M.A., B.Litt. Oxon. (Theism and 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).
Jenkins, Prof. R. T., M.A., D.Litt., F.S.A. (Church Hist.).
Gundry, Rev. D. W., M.Th. Lond. (Hist. of Religions).

*Welsh*

Williams, J. E. C., M.A., B.D. Prof.
Williams, Sir Ifor, M.A., D.Litt., F.B.A., F.S.A. Prof. Emeritus.
Roberts, Enid P., M.A. Lectr.
Rees, B., M.A. Lectr.
Jones, J. G., M.A. Lectr.

*Zoology*

Brambell, F. W. R, B.A., Ph.D. Dub., D.Sc. Lond., F.R.S. Prof.
Jackson, L. H., B.Sc. Lond. Sr. Lectr.
Reynoldson, T. B., Ph.D. Leeds Sr. Lectr.
Jones, C. Burdon, B.Sc., Ph.D. Lectr.
Jones, W. C., M.A , Ph.D. Camb. Lectr.
Hemmings, W. A., B.A. Oxon. Res. Asst.

## Agriculture

Roberts, E. J., M.A. Camb., M.Sc. Prof.
Davies, G. M., B.Sc. Sr. Lectr.
Williams, G. L., B.Sc. Lectr.

*Agric. Botany*

Roberts, R. Alun, B.Sc., Ph.D. Prof.

Lecturers

Parry, D. W., M.Sc.
Mence, Margaret J., M.A. Camb.
Bradshaw, A., M.A. Camb.
Whitehead, T., O.B.E., M.Sc., Ph.D. Hon. Lectr.

*Agric. Chemistry*

Evans, W. C., Ph.D. Manc., M.Sc., F.R.I.C. Prof.
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. Dir.

Jones, E. W. K., D.Phil. Oxon., B.Sc. Dep. Dir.

Spencer, C. P., B.Sc., Ph.D. Leeds Lectr.

Jones, W. E., B.Sc. Asst. Lectr.

**Rowland Hughes Art Lecturer**

1951–52—T. Cox, M.A.
Subject—*The Decorative Arts in France in the 17th and 18th Centuries.*

**Ballard Mathews Lecturer**

1951–52—Most Rev. D. Mathew, M.A., Litt.D.
Subject — *The Ideological Background to the Civil War.*

**Theology Lectures**

1951–52—Prof. J. Foster, M.A. Birm., D.D. Aberd.
Subject—*Why the Church?*

Prof. G. Hinton Davies, B.Litt. Oxon., M.A., B.D.
Subject—*Problems of Cult and Revelation in the Book of Exodus.*

**Welsh Lectures**

1951–52—J. E. C. Williams, M.A.
Subject—*Llenyddia ethWyddeleg.*

**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

Wardens of Halls of Residence: Rev. D. W. Gundry, M.Th. Lond. (Neuadd Reichel (Men)); Margaret T. Martin, Ph.D. Lond. (University Hall (Women)). Asst. Registrar: G. B. Owen, B.Com. Lond. Finance Sec.: R. G. Evans. Academic Sec.: A. S. Jeffreys, B.A., B.Litt. Oxon. Library Assts.: Margaret D. Jones, B.A.; R. I. J. Tully, F.L.A. Housemistress: Marian Beaumont. Careers Adviser: L. E. Thomas, M.A. Lodgings Officer: G. A. D. Jackson. Clerk of Works: R. O. Williams.

## GENERAL INFORMATION

This College, constituted by Royal Charter in 1885, was made a constituent College of the University in 1893.

LIBRARIES. General, 156,000 vols. (Theol. a strong feature). Welsh, 50,000, including the largest and best-equipped collection of Welsh periodicals in existence. MUSEUMS include: (*a*) a Museum of Welsh Antiquities; (*b*) a Zoological section comprising a large collection of vertebrate and invertebrate animals and a collection of human bones representative of the different races of mankind; (*c*) a collection of Welsh domestic and agricultural bygones together with Roman finds from Segontium and Capel Curig. FARM, 675 acres, chiefly sheep pasturage. Dairy.

Special facilities are offered for research in Welsh Lang. and Lit., Political, Social, Econ., and Religious Hist. of Wales, and allied subjects.

FACULTIES AND DEANS. *Arts*, Prof. R. E. Wycherley; *Educn.*, Prof. D. W. T. Jenkins; *Science*, Prof. S. Peat; *Theology*, Rev. Princ. J. Williams Hughes.

INCOME (1952–53). Total income, £239,650 (Univ. grant, 84 per cent.; endowments, 2 per cent.; fees, 13 per cent.).

ADMISSION. Those wishing to read in the College for a degree (awarded by the University of Wales) must satisfy the University admission requirements. *See* Appendix I.

Non-members of the Coll. may be admitted to classes at the discretion of the Deans of Facs.

COURSES. In addition to the normal courses in Arts, there are courses in Theol. for B.D. degree, in Music for B.Mus. degree, and full courses for the B.Sc. in Agric. and Rural Econ., Forestry, Electr. Engin., as well as in Pure Sci. There are Hons. degrees as well as Pass degrees in Arts and Science. Students who have reached a sufficiently high standard before entry can complete an Hons. degree course in 3 yrs. Other students will require 4 yrs. to complete an Hons. degree course, or they may complete a Pass degree course in 3 yrs. College *Diploma* courses in Theol. Other courses: 1st yr. of Med. study; 1st yr. Vet. Sci.; 1st yr. of B. Pharmacy course; 1st yr. of B.Arch.; 1-yr. postgrad. course for Teachers.

ACADEMIC YEAR. Oct. to June, with 3 terms of approx. 13 wks. each.

FEES. Registration, 1 g. per session. Tuition, per session: Arts, £30; Sci., £35; Med., 1st yr. (including lab.), £35; Postgrad. courses, non-lab., £10; with lab., £20; Farm Practical Instrucn., £5 (or 2 gs. a term). College societies (compulsory), £3 : 15 : 6.

SCHOLARSHIPS. 12 scholps., which may be supplemented by the Ministry of Education, are open for award to students entering the Coll. to read for a first degree.

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

APPOINTMENTS BOARD. *See under* Univ. of Wales, p. 504.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 516.) Neuadd Reichel (*Telephone*: Bangor 708) provides accomm. for 160 men (fee, £125 p.a.) and University Hall (*Telephone*: Bangor 633), with its annexes, for 145 women (fee, £120 p.a.). The Warden of Women Students is also Warden of University Hall.

UNIVERSITY EXTENSION, etc. Local lectures in Literature, Econ. and Agric.; small lending libraries; Tutorial and Preparatory Classes in six counties.

PRINCIPAL STUDENT ATHLETIC FACILITIES. The Coll. has extensive playing fields for rugby, soccer, hockey, tennis and net-ball. The Gymnasium has a ring for the use of the Boxing Club and provision is also made for fencing and badminton. In addition, there is a very well-equipped Rowing Club.

STUDENT HEALTH SERVICE. *See under* Welsh Nat. Sch. of Med., p. 535.

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 1951–52

ADULT EDUCATION. 37 Tutorial Classes, 26 Univ. Sessional Courses and 19 Terminal Classes with 1337 students (509 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. 1952 for the 39th successive yr.

NEW BUILDINGS. Work on the new Bot./Forestry, Physics and Zool. bldgs. is proceeding satisfactorily. The Phys. and Zool. bldgs. are now in use and remainder of bldgs. will be available for use in 1953–54.

RESIGNATIONS. Prof. T. Parry, apptd. Librarian, Welsh Natl. Library J. Johnston, apptd. Lectr. in Econ., Manc. U.

RETIREMENTS. Prof. C. R. North ; F. C. Molesworth.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 6 | 666 |
| Women | 7 | 248 |
| Total | 13 | 914 |

Postgraduate students, 107.

New admissions, 249.

Students (full-time) from other countries, 19. (Countries from which largest numbers came : British E. Africa, 7 ; British W. Indies, 3 ; British Guiana, 2.)

DEGREES. *Arts* : B.A., 92 ; M.A., 8. *Div.* : B.D., 3. *Sci.* : B.Sc., 93 M.Sc., 2 ; Ph.D., 5. *Total number of first degrees awarded*, 185.

DIPLOMAS AND CERTIFICATES. 59.

[*Information compiled as at* 16/6/53 ;
*Staff list revised on* 1/10/53.]

# UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE, CARDIFF

Founded 1883

*Telegrams* : Coleg, Cardiff.
*Telephone* : Cardiff 20781.

PRESIDENT—The Rt. Hon. THE VISCOUNTESS RHONDDA.
TREASURER—D. W. VAUGHAN.
PRINCIPAL—ANTHONY STEEL, O.B.E., M.A. Oxon. and Camb.
REGISTRAR—E. R. EVANS, M.A. Oxon.
LIBRARIAN—R. J. BATES, M.A. Oxon.

## TEACHING STAFF

*Anatomy*

Baxter, J. S., M.A. Camb., M.Sc., B.Ch. Belf., M.D. Brist., F.R.C.S.I. Prof.
Hughes, H., B.A., M.B., Ch.B. Liv., M.Sc. Sr. Lectr.
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., Ch.B. Edin.
Moffat, D. B., M.B., B.S. Lond.

Assistant Lecturers

Dark, A. J., M.B., B.Ch.
Towers, B., M.B., Ch.B. Liv.

*Archæology*

Nash-Williams, V. E., M.A., D.Litt., F.S.A. (Keeper of Dept. of A. in Nat. Museum) Lectr. and Indpt. Hd. of Dept.
Alcock, L., M.A. Oxon. Asst. Lectr.

*Architecture*

John, L., M.A., B.Arch. Liv., F.R.I.B.A. Lectr.

*Botany*

McLean, R. C., M.A. Camb., D.Sc. Lond., F.L.S. Prof.

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.
Melville, T. H., B.Sc. (Agric.) Leeds, Dip.Bact. Manc. (Bacteriol.)

Assistant Lecturers (Bot.)

Lyon, A. G., B.Sc. St. And., Ph.D. Camb.
Harvey, R., B.Sc.
Daniels, Irene, B.Sc. Res. Demr.

*Chemistry*

Evans, A. G., Ph.D., D.Sc. Manc. Prof.

Senior Lecturers

Bowden, S. T., D.Sc. Leiden, M.Sc. Mich., D.Sc., F.R.I.C.
Bassett, H. Ll., M.A. Camb., B.Sc. Lond.

Cullinane, N. M., D.Sc. N.U.I., M.Sc., F.R.I.C.

Lecturers

Chard, S. J. H., M.Sc., F.R.I.C.
Thorne, N., M.Sc.
Thomas, J. H., Ph.D. Liv.
Bayles, J. W., M.A., D.Phil. Oxon. Asst. Lectr.

*Classics*

Richardson, L. J. D., M.A. Wales and Dub. (Greek) Prof.
Austin, R. G., M.A. Oxon. (Latin) Prof.

Lecturers

Tetstall, R. G., M.A. Camb.
White, Sheila, B.A. Liv.
Moritz, L. A., M.A. Oxon.
Thomas, Elizabeth, M.A. Lond., B.A.
Rich, Audrey N. M., B.A. R'dg., M.A. Camb. Asst. Lectr.

*Economics and Soc. Science*

Thomas, B., M.A., Ph.D. Lond. Prof.

Lecturers

Parris, S. C., B.Sc. (Econ.) Lond.
Jones, L., B.A.
Lochhead, A. V. S., M.A. Oxon. (Soc. Sci.) Lectr. and Organizing Tutor.
Maynard, G. W., B.Sc. (Econ.) Lond.
Crichton, Anne, B.A. Liv. (Soc. Sci.).
Jenkins, H. J. S., M.A., B.C.L. Oxon. (Law).
Magee, C. C., B.Com. Lond. (Accountancy).
Gibbs, J. M., M.A. Camb. and Lond. (Psychol.).

Assistant Lecturers

Pole, J. D., B.A. Camb. (Econ.).
Lewis, J. P., B.Sc. (Econ. Stats.).
1 Res. Asst.

*Education*

Evans, E., M.A. Oxon., B.A. Prof.

Lecturers

Amos, Rev. A. D., B.Sc. Lond., M.A. (and Master of Method).
Morris, Elizabeth M. D., M.A. Lond., B.A.
Mulrenan, B. W., B.A. Sheff.
Simpson, E. B., M.A., B.Sc. Lond.
Griffith, Mignon B.
Evans, L. Wynne, M.Ed. Durh., M.A.
Bull, Beryl M., B.A.
Williams, Ethel M.
Thomas, H., B.Mus.
Mathias, W. A., M.A.
Othen, C. W., M.Sc.
Pitts, R., M.Ed. Manc., B.A.

Lecturers and Research Officers

Evans, Kathleen M., M.A., B.Sc., Ph.D. Lond.
Jones, C., B.Sc.
1 Res. Asst.

*Engineering*

Gurney, H. C. H., M.A. Camb., D.Sc. Lond., F.I.P. Prof.

Lecturers

Sheen, F. V., B.Sc.
Bannister, J. L., B.Sc.Tech. Manc., M.Sc.
Bray, R. O., B.Sc. Lond.
Davies, W., B.Sc.
Trigg, C., M.Sc.
Powell, W. H., B.Sc.
Ashwell, D. G., M.A. Camb.
Oliver, A. L., B.Sc. (Eng.) Lond.

*English Lang. and Lit.*

Llewellyn, E. C., M.A., B.Litt. Oxon., B.A. Prof.

Senior Lecturers

Bethell, S. L., M.A. Camb., M.A.
Merchant, Rev. W. Moelwyn, M.A.
Thomas, R. G., M.A., Ph.D.

Lecturers

Williams, Kathleen M., M.A. Oxon.
Elliott, C., M.A.
Quinn, H. M., B.A.

Corless, Patricia, B.A. Oxon. Asst. Lectr.

*French and Romance Philology*

Thomas, J. Heywood, M.A., D. de l'U. Paris Prof.

Senior Lecturers

Urwin, K., M.A. Sheff., D. de l'U. Paris (French).
Morse, B. J., M.A. (Italian).

Lecturers

Butler, P F., L. ès L. Lausanne.
Spencer, R. H., B.A. Leeds.
Morris, Thelma, B.A., D. de l'U. Paris.
Jones, F. J., M.A., B.Litt. Oxon., D. de l'U. Paris (Fr. with Ital.) Asst. Lectr.

*Geology*

Anderson, J. G. C., M.A., D.Sc., Ph.D. Glas., F.G.S. Prof.
Baker, J. W., B.Sc. Birm., F.G.S. Lectr.
Blundell, R. C. K., B.Sc., F.G.S. Lectr.
Johnson, G. A. L, B.Sc., Ph.D. Durh., F.G.S. Asst. Lectr.
Lemon, G. G., B.Sc., F.G.S. Asst. Lectr.

*German*

Williams, T. P., M.A. Prof.
Haas, V., M.A. Lectr.
Jones, Mrs. V. Isabel, M.A. Edin. Lectr.

*Histology*, v. Anat.

*History*

Chrimes, S. B., M.A. Lond., Ph.D. Camb. Prof.
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.

Pierce, G. O., B.A. Lectr.
1 Res. Asst.

*Industrial Relations*

Fogarty, M. P., M.A. Oxon. Prof.
Ross, N. S., M.A., Ph.D. Durh. Lectr.
2 Res. Assts.

*Italian*

Morse, B. J., M.A. Lectr.

*Law*

Jenkins, H. J. S., M.A., B.C.L. Oxon.
Lectr. and Dir. of Legal Studies.

*Mathematics*

Cooper, J. L. B., B.Sc. Cape, M.A., D.Phil. Oxon. Prof.
Morris, Rosa M., Ph.D. Camb., B.Sc. Sr. Lectr.

Lecturers

Pope, A. H., M.Sc. Lond.
Rowland, E. N., M.A., Ph.D. Camb.
Morley, Hilda, M.A. Lond.
Hughes, N. J. S., M.A., Ph.D. Camb.
Gould, G. G., M.A. Camb., B.Sc. Lond. Asst. Lectr.

*Metallurgy and Fuel Technology*

Jones, W. R. D., D.Sc., F.I.M. Prof.
Evans, T., B.Sc. Wales and Lond., F.I.P.
(Fuel Technol.) Sr. Lectr.

Lecturers

Carpenter, D. L., B.Sc. (Fuel Technol.).
Garwood, R. D., M.Sc.
Wilson, A. J. C., M.Sc. Dal., Ph.D. Camb. and M.I.T., F.I.P. (X-ray Metallography).
Rawlings, R., B.Sc.
1 Res. Asst.

*Mining*

Sinclair, J., M.Eng., Ph.D. Sheff. Prof.

Lecturers
Probert, L., B.Sc.
Killeen, J. F., B.Sc.
Powell, W. H., B.Sc.
Brown, K., 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
Wang, A. (Violin).
Mutter, G. N. (Viola).
Jsaac, G. ('cello).
Popperwell, S., M.A. Camb. (Violinist).
And teachers of Singing, Pianoforte, Organ and all orchestral instruments.

*Philosophy*
de Selincourt, O., M.A. Oxon. Prof.

Lecturers
Evans, J. Ll., M.A., D.Phil. Oxon.
Brunton, J. A., M.A. Oxon.

*Physics*
Dunbar, R. T., M.A., Ph.D. Edin., F.I.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., F.I.P. Lectr. and Dir. of Labs.
Harker, G. F. H., M.A. Camb.
Rowland, E. N., M.A., Ph.D. Camb. (Theoretical P.).
Wood, R. G., M.Sc. Manc., F.I.P. Hon. Lectr.
Hughes, J. W., Ph.D.
Rogers, D., Ph.D. Lond., F.I.P.
Howells, R. G., M.Sc.
Grant, D. F., Ph.D. Durh.

*Physiology*
Peterson, J. M., D.Sc. Aberd. Prof.
Pryde, J., B.Sc. St. And., D.Sc. Sr. Lectr. (Biochem.) and Lectr. (Physiol.).
Jordan, R. C., Ph.D., D.Sc. Lond. Sr. Lectr.
Waters, E. T., Ph.D., D.Sc. Sr. Lectr.
Stone, S. L., B.Sc., M.B., B.Ch. Lectr.
Dodgson, K. S., B.Sc., Ph.D. Liv. (Biochem.) Lectr.
Spencer, B., B.Sc., Ph.D. Liv. (Biochem.) Asst. Lectr.
Beswick, W. F., B.Sc., M.B., B.Ch. Asst. Lectr.

*Semitic Languages*
Johnson, A. R., Ph.D., Hon. D.D. Edin., F.B.A. Prof.
Rowlands, Rev. E. R., B.A. Camb., M.A. Lectr.
Ryder, Rev. E. T., M.A. Oxon., B.D. Lond. Lectr.

*Spanish*
Sarmiento, E., B.A., Ph.D. Lond. Prof.

*Welsh*
Williams, G. J., M.A. Prof.

Lecturers
Jarman, A. O. H., M.A.
Lewis, J. S., M.A. Liv.
Lewis, C. W., B.A. Asst. Lectr.

*Zoology & Comparative Anatomy*
Brough, J., D.Sc. Manc. Prof.
Sheppard, Edith M., D.Sc. Sr. Lectr.
Jefferson, G. T., B.Sc. Lond. (Entomol.) Lectr.
Evans, W. A. L., B.Sc. Birm., M.Sc. Lectr.
Erasmus, D. A., B.Sc. Asst. Lectr.
John, B., B.Sc. Asst. Lectr.
Staddon, B. W., B.Sc. Durh. Asst. Lectr.

**University Extension**

..... Dir. of Extra-Mural Studies.

E. R. Lewis, M.A.; V. H. Jones, LL.B. Lond., B.A.; M. R. Hausheer, B.A.

Organizing Tutors

I. Morgan, M.A. (Tutor-in-Charge);

Staff Tutor: E. Hodges.

40 Tutors.

## ADMINISTRATIVE AND OTHER STAFF

Warden of Aberdare Hall: Miss E. Olwen Parry, M.A. College Appts. and Advisory Officer: W. H. Morgan, B.Sc. (Econ.) Lond., B.Sc.

## ASSOCIATED INSTITUTION

CITY OF CARDIFF TECHNICAL COLLEGE, Cardiff (*Telephone*: Cardiff 31546). Principal—A. Harvey, Ph.D., B.Sc., F.I.P. This Institution houses the Welsh Schools of Architecture and Pharmacy. *See below under* "Degrees."

## GENERAL INFORMATION

Opened in 1883 and incorporated by Royal Charter in 1884, this is now one of the constituent Colleges of the Univ. For early history, *see 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, 126,000 vols.

MUSEUMS. Anat., Zool. The National Museum of Wales (Art, Archæol., Zool., Geol., Bot.) is located in an adjacent building.

LABORATORIES. Physical Research, with a comprehensive equipment for X-ray diffraction investigation, etc.; Engineering (including 100-ton testing machine); and usual science and medical research laboratories.

ADMISSION. Classes are open to both men and women students of not less than 17 yrs. on Oct. 1 of the session of admission. Those wishing to read in the College for a degree of the University of Wales must satisfy the University's admission requirements. *See* Appendix I.

FACULTIES AND DEANS. *Arts*, Prof. J. Morgan (Music); *Education*, Prof. E. Evans; *Science*, Prof. J. G. C. Anderson (Geol.); *Theology*, Prof. A. R. Johnson (Semitic Langs.).

DEGREES. Candidates are prepared for the following initial degrees of the University of Wales: B.A., B.Mus., B.Sc., and in part for the degrees of B.Arch. and B.Pharm. Postgraduate courses of study are provided for candidates for higher degrees of the University and other Universities. Medical students preparing for the degrees of M.B., B.Ch. of the Univ. pursue their preliminary medical studies at the College and their clinical studies at the Welsh National School of Medicine. The first part of the course for the degree of B.Arch. of the Univ., occupying 1 yr., can be pursued at the College, while the second part, occupying 5 yrs., is pursued at the Welsh School of Architecture, Cathays Park, Cardiff. The Preliminary Part of the course for the degree of B.Pharm., extending over not less than 1 yr., can be taken at the College, while the Final Part, extending over 2 yrs., is taken at the Welsh School of Pharmacy, Cardiff.

COLLEGE DIPLOMAS, ETC. Engin., Metalliferous Mining, Metallurgy ; Music ; Social Science. In the Applied Science subjects the qualifying scheme of study covers 3 yrs. ; in the other subjects, 2 yrs. A Diploma in Palæography and Allied Subjects is awarded after a 1-yr. course. After graduation in certain subjects, suitably qualified students desirous of securing a Diploma in their special subject, may be awarded one without further study, while in other cases a graduate can be awarded such a Diploma after pursuing a modified course for 1 yr.

SCHOLARSHIPS. Numerous scholps. out of trust funds are awarded for competition at entrance, and after one or more years' residence other scholps. and prizes are awarded for meritorious work. (Details are contained in the College *Prospectuses* obtainable from the Registrar.)

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

FEES. Annual composition for tuition—Arts, £30 ; Science, £35 ; Music, £30 ; Applied Science, £35 ; Medical (first and second yrs. and for 2 terms of third yr.), £35 to £45 ; Postgraduate study and research, £10 to £20. Registration, £1 : 1s. p.a.

RESIDENCE. Hostel for women : Aberdare Hall, Cathays Park, Cardiff (*Telephone* : Cardiff 21877) (for Warden *see* "Administrative and other Staff," p. 523), room for 134, fees £120. Hostels for men : (*a*) St. Teilo's Hall, Waterloo Gardens, Cardiff (*Telephone* : Cardiff 45455) (The Rev. the Warden), room for 35, fee £90 ; (*b*) Llandaff House, Earl Road, Penarth, Glam. (*Telephone* : Penarth 995) (The Rev. the Warden), room for 35, fee £105. Board and lodging in Cardiff can be obtained from £2 : 5s. per week.

STUDENT WELFARE. Students seeking advice on lodgings in Cardiff and on careers in their last year are advised to consult the College Appointments and Advisory Officer, 31 Corbett Road, Cathays Park, Cardiff (*Telephone* : Cardiff 29802) (*see* "Administrative and other Staff," p. 523). New students from overseas are especially advised to see him as soon as possible after their arrival in Cardiff.

STUDENT HEALTH SERVICE. *See under* Welsh Natl. Sch. of Med., p. 535.

STUDENT ATHLETIC FACILITIES. Playing grounds are provided for the pursuance of most field sports, as well as facilities for swimming and rowing. Grass tennis courts are sited at the College. A modern well-equipped gymnasium in its own building (49 Park Place, Cardiff) is also provided for the exclusive use of students. There is a Lecturer in Physical Training for men and one for women, who act as College Advisers in physical training and games.

STUDENTS' UNION. The Union building at 51 Park Place, Cardiff (*Telephone* : Cardiff 298461), provides amenities for developing and furthering the social and cultural life of the student body ; it has a refectory which is sometimes used for dances, lounges and games rooms, and it houses the headquarters of the Students' Union Society. Every student is required to pay a Union amalgamation fee of £4 : 4s. (£5 : 1 : 6 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 (*Telephone*: Cardiff 26071). (*For list of staff—see* University Extension, *above.*)

PUBLICATIONS. *Admission of Students* (Terms of) (Oct.); *General Prospectus* (with syllabuses of study) (March); *Entrance Scholarships Prospectus* (Oct.); *Calendar* (triennially); *A Short History of the College*, 2s. 6d.

## THE YEAR 1951–52

BENEFACTIONS. For sp. purposes, prizes, etc., £38,446.

ADULT EDUCATION. 110 classes were held as follows: Univ. Tutorial Classes, 28; Univ. Sessional Classes, Extension and Short Courses, 82. Total no. of students attending, 1960.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Rev. Principal H. F. Lovell Cocks, 4 lectures on "The Divine Life in Man: some aspects of the work of the Holy Spirit"; Prof. N. Feather, "The Language of Modern Physics"; Prof. D. Kindermaan, "The Austrian Theatre in the Eighteenth Century."

RESIGNATIONS. W. B. Birmingham (Econ.), apptd. Sr. Lectr. in Econ., U.C. of Gold Coast; T. J. Cadoux (Classics), apptd. Lectr. in Anc. Hist., Edin. U.; R. W. Drinkwater (Soc. Sci.), apptd. Hd. of Dept. of Soc. Studies, Hull U.C.; H. J. Edmunds (Engin.), apptd. Lectr. Mech. Engin., Manc. U.; A. D. Hopkins (Metall.); Valerie Pitt (Engl.), apptd. Lectr. in Engl., Newnham Coll., Camb.; J. H. Purnell (Chem.); Elizabeth Richards (Geol.); Kathleen M. Stephens (Maths.).

DEATH. W. R. Ivimey-Cook (Bot.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 40 | 1132 |
| Women | 41 | 475 |
| Total | 81 | 1607 |

Postgraduate students, 48.

First-year admissions, 540.

Students (full-time) from other countries, 47. (Countries from which largest numbers came: British W. Africa, 14; British E. Africa, 6; India, 5; Federation of Malaya, 4; Poland, 3.)

DEGREES AWARDED. *Archit.*: B.Arch., 1; *Arts*: B.A., 131; M.A., 9; *Music*: B.Mus., 9; M.Mus., 1; *Div.*: B.D., 3; *Med. and Surg.*: M.B., B.Ch., 54; M.D., 2; M.Ch., 1; *Sci.*: B.Sc., 196; M.Sc., 10; Ph.D., 5; D.Sc., 2; *Pharmacy*: B.Pharm., 14; M.Pharm., 1.

DIPLOMAS AWARDED. Music, 5; Social Sci., 16; Metalliferous Mining, 11; Teachers' Dipl. in Educn., 100; Theol., 2.

[*Information compiled as at* 15/6/53 ;
*Staff list revised on* 25/9/53.]

# UNIVERSITY COLLEGE OF SWANSEA

Founded 1920

*Telephone* : Swansea 57805.

PRESIDENT—Sir GEORGE BARSTOW, K.C.B., LL.D.

PRINCIPAL—JOHN S. FULTON, M.A. Oxon.

REGISTRAR—J. MCINTYRE, M.A. Glas.

LIBRARIAN—OLIVE M. BUSBY, M.A. Lond.

TREASURER—T. J. REES, C.B.E.

DEAN OF FACULTY OF ARTS—Professor D. B. QUINN, Ph.D. Lond.

DEAN OF FACULTY OF SCIENCE—Professor R. WILSON, M.A. Oxon.

## TEACHING STAFF

*Biology*

Mockeridge, Florence A., D.Sc. Lond., F.L.S. (Bot.) Prof.
Little, P. 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.) Lectr.
Hayward, J., B.Sc., Ph.D. (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.
Hoare, D. E., M.A. Camb., Ph.D. Leeds Asst. Lectr.

*Classics*

Farrington, B., B.A. Dub., M.A. N.U.I. Prof.

Senior Lecturers

Hill, H., M.A. Sheff.
Moorhouse, A. C., M.A. Camb.

Lecturers

Smyth, W. R., M.A. Dub.
Griffiths, J. Gwyn, D.Phil. Oxon., M.A. Liv., B.A.

*Economics*

Morgan, E. V., M.A. Camb. Prof.

Lecturers

Bell, I. C., M.A.
Roberts, R. O., M.A.
Rees, G. L., M.A.
Cleary, E. J., B.A. Manc.

*Education*

Jones, E. J., M.A., D.Litt. Prof.

Lecturers

Stephens, D. J., M.Sc.
Jones, T. G. Jeffreys, M.Sc.
Owen, Annie, M.A., D. de l'U. Paris.
Dale, R. R., M.A. Liv., M.Ed. Leeds.
Lewis, Edith A., Ph.D.
Brown, A. (Speech Trg.).
Webster, J. R., M.A. Asst. Lectr.

*Engineering*

Kastner, L. J., M.A. Camb. Prof.
Cass-Beggs, D. N., B.Sc. Manc. (Electr. E.) Asst. Prof.
Fordham, A. A., B.Sc., Ph.D. Lond. (Civ. E.) Sr. Lectr.
Caswell, J. S., M.Sc. (Mech. E.) Sr. Lectr.
Cannell, J. E., B.Sc. Manc. 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.
Ratcliff, G., M.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.
Dawson, S. W., M.A. Manc. Asst. Lectr.

*French*

Knight, R. C., M.A. Oxon., D. ès L. Prof.
Rees, G., D. de l'U. Paris, M.A., O.A. Sr. Lectr.
Pool, E. Millicent, M.A. Liv., O.A. Lectr.
George, F. W. A., Ph.D. Lond. 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., F.G.S. (Geol.).
Owen, T. R., M.Sc., F.G.S. (Geol.).
Groom, Gillian E., B.Sc. Birm., F.G.S. (Geog.).
Walmsley, V. G., B.Sc. Manc., F.G.S. (Geol.).
Bowes, D. R., Ph.D. Lond., M.Sc. Adel (Geol.).
Emery, F. V., B.A. Oxon. (Geog.) Asst. Lectr.

*German*

Heller, E., Ph.D. Camb. Prof.
Marleyn, R., M.A. Oxon., Ph.D. Gött. Lectr.
Taylor, R. J., M.A. Lond. Lectr.

*History*

Quinn, D. B., B.A. Belf., Ph.D. Lond. Prof.
Gibbs, Marion E., B.A., B.Litt. Oxon. Sr. Lectr.
Williams, G., M.A. Sr. Lectr.
Masterman, N. C., B.A. Camb. Lectr.
Walker, D. G., B.A. Brist. Lectr.
Minchinton, W., B.Sc. Lond. (Soc. and Econ. H.) Lectr.

*Mathematics*

Wilson, R., M.A. Oxon. Prof. and Head of Dept.
Oldroyd, J. G., M.A., Ph.D. Camb. (Appl. M.) Prof.
Foulkes, H. O., D.Sc. (Pure M.) Sr. Lectr.

Lecturers

Godwin, H. J., M.A. Camb. (Pure M.).
Brennan, J. G., M.Sc. (Pure M.).
Perfect, Hazel, M.A. Lond. (Pure M.).
Manwell, A. R., B.Sc. Lond. (Appl. M.).
Evans, G. W., M.A. Camb. (Appl. M.).
Walters, T. S., M.Sc. (Appl. M.).

*Metallurgy*

O'Neill, H., M.Met. Sheff., D.Sc. Manc., F.I.M. Prof.
Higgins, R., O.B.E., Ph.D. Glas., F.I.M. Asst. Prof.

Lecturers

Dennison, J. P., Ph.D. Leeds.
Greenough, A. P., M.A. Camb.
Davies, D. E., B.A. Camb., B.Sc. Asst. Lectr.

*Philosophy*

Jones, J. R., D.Phil. Oxon., M.A. Prof.
Rhees, R., M.A. Edin. Sr. Lectr.
Holland, R. F., M.A., B.Phil. Oxon. Lectr.
Winch, P. G., B.A., B.Phil. Oxon. 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., D.Sc., F.I.P. Sr. Lectr.
Wright, L., M.Sc. Sheff. Lectr.
Griffin, L. R., M.Sc. Lond. Lectr.
Brown, G. M., M.A. Camb., M.Sc. Lectr.
Dutton, J., Ph.D. Asst. Lectr.
1 Demr.

*Politics*

Stacey, F. A., M.A. Camb., B.Phil. Oxon. Lectr.

*Social Science*

Jones, R. H., B.Sc. (Econ.) Lond., M.A. Liv. Dir.
Walker, Muriel C., B.A. Manc. Tutor.
Matthews, Joan E. Temp. Asst.

*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., B.Litt. Oxon., M.A., B.D. Lectr.

**University Extension**

David, I, M.A., LL.B. Camb., LL.D. Dub., M.A. Sr. Staff Tutor.
Griffiths, T. Hughes, Dr.Pol.Sc. Giessen, M.A. Staff Tutor.
Jones, T. G., M.A., M.Sc. (Econ.) Lond. Staff Tutor.
Lewis, G. I., B.A. Staff Tutor.
Thomas, T. W., B.A. Staff Tutor.
Williams, C. R., M.A. Staff Tutor.

## ADMINISTRATIVE AND OTHER STAFF

Warden of Beck Hall of Residence for Women Students: Elsie Griffiths, M.A. Camb. Appts. Adviser for Students: Mrs. D. Herbert Jones, B.A. Instr. in Physical Educn.: V. Jones, B.A. Asst. Librarian: Edith M. Owen, M.A. Sheff., F.L.A.

## GENERAL INFORMATION

Incorporated by Royal Charter, dated Jan. 21, 1920, the College was made a constituent Coll. of the Univ. of Wales by a Supplemental Charter to the Univ. on Aug. 13, 1920. The admin. offices, assembly hall, some common rooms, and some of the Sci. depts., are accommodated in a mansion in Singleton Park, presented, together with about 46 acres of land surrounding it and 15 acres for playing fields, by the Corporation of Swansea, which also gave £50,000 towards the cost of Sci. bldgs. Extensive labs. have been erected in the Park, on a site adjacent to the main Coll. bldg., for the depts. of Metall., Engin., Chem. and Physics, and also buildings to accommodate the Arts Depts., the Library, the Refectory and common rooms.

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 Coll., give the staff and students ample opportunities of keeping in close practical touch with manu-

facturing processes in the works. All the Coll. labs. (Phys., Chem., Geol., Biol., Metall., Engin.) are well equipped and include fine experimental plant for instrucn. and res.

FACULTIES AND DEANS. *Arts*, Prof. D. B. Quinn ; *Science*, Prof. R. Wilson.

DEPARTMENTS. Metall. and Engin. ; trng. of Teachers (men and women) for Elem. and Sec. Schools ; training in Social Sci. ; and training for Youth Leadership and Organization.

ENTRANCE REQUIREMENTS. All students entering the Coll. must be at least 17 years of age and have passed the Matricn. Examn. of the Univ. of Wales, or an approved equivalent examn. *See* Appendix I.

COURSES FOR DEGREES, ETC. Courses for the degrees of the Univ. in Pure and Appl. Sci. and Arts (3 yrs.) ; complete Prelim. Sci. Course for med. students and classes in Law for articled clerks. Engin. students are expected and, where necessary, helped to obtain practical experience in works during the greater part of the summer vacation. Afternoon visits to works are arranged frequently throughout the session. Occasional lectures are given by experts on the business admin. and managerial side of industrial undertakings.

HIGHER DEGREES. M.A., M.Sc., Ph.D., D.Sc., D.Litt.

COLLEGE DIPLOMAS. Social Science (2 yrs.—suitably qualified grads. may be allowed to complete the course in 1 yr.) ; Youth Leadership and Organization (1-yr. Course) ; Mathematical Physics (2 yrs.' Postgrad. Course) ; Mathematical Statistics and Computational Analysis (1-yr. Course).

RESEARCH. All Depts. of the Coll. are available for postgrad. and res. work, and the respective Profs. are always prepared to advise students wishing to undertake res.

FEES. For annual tuition in Pure or Appl. Sci., £35 ; Arts, £30 ; for Res., from £10 to £20 p.a. ; Registration, £1 : 1s. p.a.

The usual language of instruction is English.

ADULT EDUCATION. The College has an extensive scheme of Extra-Mural work.

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

APPOINTMENTS BOARD. *See under* Univ.

OLD STUDENTS' ASSOCIATION. Secretary—J. N. Howard, B.A., 107 Harlech Crescent, Sketty, Swansea. London Branch Secretary—H. Linnard, B.Sc., 70 Dairsie Road, Eltham, S.E.9.

LIBRARY. In the College Library, books and pamphlets now number 110,500.

RESIDENCE. For Women : Beck Hall of Residence, Gwydr Gardens, Uplands, Swansea (*Telephone* : 56320), 80 students. Fee, £105 p.a. A list of Registered Lodgings is kept by the Registrar.

STUDENT HEALTH SERVICE. *See under* Welsh National School of Medicine, p. 535.

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, Engin., Metall., Dept. of Educn., Dipl. Course in Social Sci., Beck Hall of Residence, Entrance Scholps.

Examn., Mature Age Matricn. Examn.; Student publication *Dawn* (College Magazine) (Dec. and June).

## THE YEAR 1951–52

BENEFACTIONS. Donations and annual subscriptions amounting to £10,000.

EXTRA-MURAL WORK. 31 Tutorial classes, 14 Sessional classes and 17 shorter courses with 903 students. One-week non-residential summer sch.; Two-week residential summer sch.

VISIT. H.R.H. the Duke of Edinburgh, Chancellor of Univ. of Wales, visited the Coll. on May 7.

RESIGNATIONS. Miss M. Auriol Griffiths (Educn.), on marriage; R. H. Parker (Metall.), apptd. to post in industry; A. J. Morton (Engin.), apptd. to post in industry.

RETIREMENTS. Prof. A. E. Heath (Philos.); Asst. Prof. R. G. Isaacs (Engin.); E. Drew (Registrar).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 58 | 763 |
| Women | 54 | 210 |
| Total | 112 | 973 |

Postgraduate students, 58.

First-year admissions, 249.

Students (full-time) from other countries, 19. (Countries from which largest numbers came: British W. Indies, 4; British W. Africa, 3; Federation of Malaya, 2.)

DEGREES OBTAINED. B.A., 95; B.Sc., 119; M.A., 6; M.Sc., 10; Ph.D., 8; D.Mus., 1; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Univ. of Wales Dipl. in Educn., 75; Ministry of Educn. Teacher's Certif., 3; Coll. Dipl. in Youth Leadership and Organization, 12; Coll. Dipl. in Social Science, 14; Coll. Dipl. in Mathematical Statistics and Computational Analysis, 3.

[*Information compiled as at* 27/6/53 ;
*Staff list revised on* 28/10/53.]

# THE WELSH NATIONAL SCHOOL OF MEDICINE, CARDIFF

Incorporated by Royal Charter 1931

*Postal Address* : 34 Newport Road, Cardiff, Wales.
*Telephone* (Provost and Secretary) : Cardiff 28434.

PRESIDENT—The Right Hon. LORD ABERDARE, C.B.E.

PROVOST—R. M. F. PICKEN, C.B.E., M.B., Ch.B., B.Sc. Glas., D.P.H. Camb.

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DEAN OF CLINICAL AND POSTGRADUATE STUDIES—A. G. WATKINS, M.D. Lond., B.Sc., F.R.C.P.

HON. TREASURER—Sir FREDERICK J. ALBAN, C.B.E.

SECRETARY—F. DODSWORTH, F.C.I.S.

LIBRARIAN—ELUNED L. JONES.

## TEACHING STAFF

(For subjects of first 3 yrs.—Anat., etc., v. Univ. Coll., Cardiff)

*Anæsthetics*

Mushin, W. W., M.A. Oxon., M.B., B.S. Lond., D.A., F.F.A.R.C.S. Dir. and Lectr.
Musgrove, A. H., D.A., F.F.A.R.C.S. (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.).
Lake, R. H. N. (C.).
Pearson, F. Y., F.R.C.S.Ed. Clin. Tutor.

*Child Health*

Watkins, A. G., M.D. Lond., B.Sc., F.R.C.P. Prof.
Bray, P. T., B.Sc., M.B., B.Ch. Sr. Lectr.
Jacobs, J., M.D., B.S. Lond. Lectr.
Gray, O. P., M.B., Ch.B. Birm. Reg.

*Dental Surgery*

Murray, A. L., L.D.S. (C.).
Smith, J. I., L.D.S. (C.).
Brown, G. M. A., L.D.S. (C.).

*Dermatology*

Hodgson, G. A., M.B.E., M.A., D.M., B.Ch. Oxon. Lectr.
Waddington, E., M.D. Lond. (C.).

*Forensic Medicine and Toxicology*

James, W. R. L., B.Sc., M.B., B.Ch. (Forensic Med.) Lectr.
Graham, J. D. P., B.Sc., M.D. Edin., F.R.F.P.S. Glas. (Toxicol.) Lectr.

* (C.) = Clinical Teacher.

*Hygiene and Public Health*

Grundy, F., M.D., Ch.B. Leeds, D.P.H., D.P.M. (Preventive Med.) Mansel Talbot Prof.
Hitchens, R. A. N., M.B., B.Ch., D.P.H. Sr. Lectr.
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.
Lewis-Faning, E., D.Sc., Ph.D. Lond. Statistician.
Davies, Mary E. Health Visitor Tutor.

*Infectious Diseases*

Harries, G. E., M.B., B.S. Lond., D.P.H. Lectr.

*Medicine*

Scarborough, H., M.B., Ch.B., Ph.D. Edin., F.R.C.P.Ed. Prof. and Dir.
James, A. H., M.A., D.M. Oxon., M.D. Tor. Sr. Lectr., Asst. Dir.
Chalmers, T. M., M.D. Edin. Sr. Lectr.
Evans, M., B.Sc., M.B., B.Ch. Lectr.
Phillips, W., M.D., F.R.C.P. (C.).*
Howells, L. H., M.D. Lond., F.R.C.P. (C.).
Jones, I. G., M.D. Lond., B.Sc. (C.).
Williams, D. A., M.Sc., M.D., B.Ch. (C.).
Spillane, J. D., M.D., B.Sc., F.R.C.P. (C.).
Evans, B., M.D. Lond. (C.).
Thomas, A. J., B.Sc., M.D., B.Ch., D.P.H. (C.).
Gilson, J. C., O.B.E., M.A., M.B., B.Chir. Camb. Hon. Clin. Teacher.
Cohen, S. I., M.B., B.Ch.

*Obstetrics and Gynæcology*

Duncan, A. S., D.S.C., M.B., Ch.B. Edin., F.R.C.S.Ed. 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.
Foster, G. S., M.D., B.S. Lond., M.B., B.Ch. Asst. Lectr.
Webster, Helena J., B.Sc., M.B., B.Ch., D.P.H. Asst. Lectr.
Jones, J., B.Sc., M.B., B.Ch. Asst. Lectr.
Butler, Elizabeth B., M.B., B.Ch. Reg.

*Ophthalmology*

Thomas, J. W. T., M.B., M.S. Lond., M.D., D.Sc., F.R.C.S. Lectr.
Parry, R. J., M.B., B.S. Lond., F.R.C.S.Ed. (C.).
Gluck, B., M.A., M.B., M.Ch. Dub., D.O.M.S., F.R.C.S.Ed. (C.).

*Oto-Rhino-Laryngology*

Owen, R. D., B.Sc., F.R.C.S. Eng. and Ed. Lectr.
Thomas, H. A., B.Sc., M.B., B.Ch., F.R.C.S.Ed. (C.).
Thomas, J. A. B., B.Sc., M.B., B.Ch., D.L.O., F.R.C.S. (C.).

*Pathology and Bacteriology*

Gough, J., B.Sc., M.D. Prof.
Heppleston, A. G., M.B., Ch.B. Manc. (Path.) Sr. Lectr.
Whiteley, H. J., B.Sc., M.D., Ch.B. Sheff. (Path.) Sr. Lectr.
Thomson, S., M.D., D.P.H. Edin. (Bact.) Lectr.
Jenkins, W. J., B.Sc., M.B., B.Ch. Lectr. and Blood Trans. Officer.
Davies, D. G., M.B., Ch.B. Brist., Dip.Bact. Manc. (Clin. Bact.).

* (C.) = Clinical Teacher.

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.D., B.S. Lond. Asst. Lectr.
Watson, A. J., M.B., Ch.B. Aberd. Asst. Lectr.
Dunscombe, J. L., M.B., Ch.B. Brist. Asst. Clin. Path.
Powell, G. D., B.Sc., M.B., B.Ch. Asst. Clin. Path.
Evans, A. R., M.B., B.Ch. Asst. Clin. Path.
Stroud, C. E., M.B., B.Ch. Asst. Clin. Path.
Thomas, Phyllis M., B.Sc., M.B., B.Ch. Asst. Clin. Path.
Drummond, R. J. Hon. Clin. Teacher.
Keyser, J. W., M.Sc. Lond. Biochemist.
Nethercott, S. E., B.Sc. Asst. Biochemist.
Sanders, P. G., B.A. Camb. Asst. Biochemist.
Phillips, W. P., D.P.H. (Vaccination and Practice of Immunization) Instr.
Parry, T. E., M.B., Ch.B. Manc. (C.).*

*Pharmacology*

Landgrebe, F. W., D.Sc. Aberd. Prof.
Graham, J. D. P., B.Sc., M.D. Edin., F.R.F.P.S.Glas. Sr. Lectr.
James, Dinah M., M.Pharm., Ph.D. Lectr.
Mitchell, G. M., M.B., Ch.B. Aberd. Asst. Lectr.

*Physical Medicine*

Lloyd, K. N., M.B., B.S. Lond. Lectr.

*Psychological Medicine*

Hennelly, T. J., M.D., B.Ch., B.A.O., D.P.M. N.U.I. Lectr.
Spillane, J. P., B.Sc., M.D., B.Ch. (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.
Hinde, G. de B. (C.).
Jones, A. M., B.Sc., M.B., B.Ch. (C.).
Williams, H. B. L. (C.).

*Radiotherapy*

Evans, G. C. D., B.Sc., M.B., B.Ch., D.M.R.E. Lectr.

*Surgery*

Rogers, L. C., M.D. Melb., M.Sc., F.R.C.S. Eng. and Ed., F.R.A.C.S., F.A.C.S. Prof. and Dir.
Aldis, A. S., B.Sc., M.B., B.S. Lond., F.R.C.S. Sr. Lectr. and Asst. Dir.
Lewis, C. W. D., B.Sc., M.B., M.Ch., F.R.C.S. Lectr.
Parker, A. O., M.D., C.M., F.R.C.S. (Orthopæd.) Lectr.
Ioan-Jones, D., B.Sc., M.B., B.Ch., F.R.C.S. (C.).
Lysaght, A. C., F.R.C.S. (C.).
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.).

* (C.) = Clinical Teacher.

Harley, H. R. S., M.B., M.S. Lond., F.R.C.S. (C.).*
Thomas, D. M. E. (C.).
Jones, H. O., M.B., M.S. Lond., F.R.C.S. (C.).
Jenkins, D. H., B.Sc., M.B., M.S. Lond., M.B., B.Ch., F.R.C.S. (C.).
Wilson, J. N., M.B., Ch.M. Birm., F.R.C.S. (C.).
Vowles, K. D. J., M.B., Ch.B. Brist. Reg.

*Tuberculosis*

Heaf, F. R. G., M.A., M.D. Camb., F.R.C.P. David Davies Prof.
Graham, S. H., M.D., Ch.B., D.P.H. Edin., T.D.D. Lectr.
Foreman, H. M., M.B.E., M.B., Ch.B. N.Z. Hon. Lectr.
Jones, V. E., M.B., B.S. Lond., M.B., Ch.B. Liv., B.Sc. Hon. Lectr.
Marks, J., M.D., B.S. Lond., Dip. Bact. Hon. Lectr.
Seal, R. M. E., B.Sc., M.B., B.Ch. Hon. Lectr.
Thomas, D. M. E. (C.).
Harley, H. R. S., M.B., M.S. Lond., F.R.C.S. (C.).
Williams, N. V., M.B., Ch.B. Edin., D.P.H. Lond. (C.).

*Venereal Diseases*

Downing, C. C. R., M.A., M.D., B.Chir. Camb. Actg. Lectr.
Webster, Helena J., B.Sc., M.B., B.Ch., D.P.H. Asst. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Sec.: E. K. Downing; Univ. Student Health Officers—Sr. Student Health Officer: G. Grant, M.B., B.S. Lond.; Student Health Officers: R. A. N. Hitchens, M.B., B.Ch., D.P.H.; Edith McKnight, B.Sc., M.B., Ch.B. Glas., D.P.H. Glas.

## GENERAL INFORMATION

The Welsh National School of Medicine originated in the institution of Depts. in Anat. and Physiol. at the Univ. Coll. of S. Wales and Monmouthshire, Cardiff, in 1893. The Dept. of Mat. Med. and Pharmacol. was instituted in 1898, and the Chair of Pathol. and Bacteriol. in 1910. The David Davies Chair of Tuberculosis and the Mansel Talbot Chair of Prev. Med. were endowed in 1921, and in that year Medical and Surgical Units and a Dept. of Obstet. and Gynæcol. were instituted. A Chair and Dept. of Child Health were established in 1950.

On Feb. 5, 1931, a Charter of Incorporation was granted to the School by H.M. the King in Council.

The location of the various Depts. of the School is as follows: Pharmacology, Preventive Medicine, Tuberculosis—Institute of Preventive Medicine, The Parade, Cardiff; Tuberculosis (postgraduate labs.)—4 Richmond Road, Cardiff; Medical Unit, Surgical Unit, Inst. of Pathology, Anæsthetics, Obstetrics and Gynæcology—The Royal Infirmary, Cardiff; Child Health—Llandough Hospital, nr. Penarth, Glam.

ADMISSION. Every candidate for admission to first-yr. courses in Physics, Chem. and Biology shall present a certificate showing that he has passed the Matriculation Examn. of the Univ. of Wales, or an examn. recognized by the Univ. of Wales as equivalent thereto. *See* Appendix I.

No candidate will normally be accepted for admission to the Depts. of the

* (C.) = Clinical Teacher.

second year of the Med. course unless he has completed, at one and the same time, an examn. leading to a Univ. degree in all the four first-yr. courses, Physics, Chem., Bot. and Zool. This regulation may be relaxed at the discretion of a Joint Academic Committee in certain cases where only *one* of the four first-yr. courses named above is outstanding.

*Note.*—Approved passes at the Advanced or Scholarship level in the G.C.E. may at present exempt, subject for subject, from the first-yr. or Intermediate examn. leading to a degree of the University.

LIBRARIES. The General Library, which is situated at the Institute of Preventive Medicine, The Parade, Cardiff, consists of a lending and reference Library, with seating accommodation for 82 readers. Bound Periodicals, 1050; Texts, 2005; Pamphlets, 660. 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, 8322; Pamphlets, 1924; Unbound periodicals, 4500. 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. 503).

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."

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

REFECTORY AND RESIDENCE (Warden: F. Dodsworth, F.C.I.S.). The Refectory and Residence is combined. There is accommodation for about 45 residents—£110 per annum (including vacation term).

STUDENT HEALTH SERVICE. The Univ. has established a Student Health Department which is accommodated in the Institute of Preventive Medicine.

The Medical Officers conduct examinations of all students of the University of Wales free of cost and are also available for free consultation and advice.

MEDICAL STUDENTS' CLUB. Medical students of all years, whether in the University College of South Wales and Monmouthshire, Cardiff, or in The Welsh National School of Medicine, become members of the Medical Students' Club and of the Students' Union Society of the University College, Cardiff.

The Student Organizations provide numerous social functions as well as facilities for Rugby and Association football, hockey, tennis, cricket, squash and swimming.

The Medical Students' Club includes a Scientific Society which arranges lectures, demonstrations and discussions on medical and cognate subjects.

TERMS. Oct. 1–Dec. 11, 1953; Jan. 12–Mar. 26; April 27–June 30, 1954.

PUBLICATIONS. *Prospectus* and *Regulations* (free). Students' Mag. *The Leech*, 2s., twice a yr.

## THE YEAR 1951–52

NEW BUILDINGS. Completed Inst. of Pathol. in full use and officially opened; progress contd. with new Maternity Dept. for United Cardiff Hosps. to include facilities for instrucn. of students; work completed on accomm. placed at disposal of Sch. at Cardiff R. Inf. (including Res. Lab.) for Dept. of Anæsthetics; provis. schedules of accomm. for a new Hosp. and Med. Sch., the site for which has been acquired, completed and submitted to approp. Govt. depts.

RETIREMENT. Dr. H. Sheasby (Venereal Dis.).

RESIGNATIONS. Dr. W. F. Anderson (Med. Unit), apptd. to W. of Scotland Regional Hosp. Bd.; Dr. W. H. Beasley (Pathol.), apptd. to Welsh Regional Hosp. Bd.; Mrs. G. G. Evans (Pharmacol.); Dr. C. M. Fletcher (Pathol.); Dr. H. J. Fisher (Obstet. and Gynæcol.), apptd. to Brit. Postgrad. Med. Sch., Lond.; Mrs. A. Rendle-Short (Pharmacol.); Dr. D. B. Richards (Pathol.), apptd. to Welsh Regional Hosp. Bd.; Dr. R. M. E. Seal (Pathol.), apptd. to Welsh Regional Hosp. Bd. (T.B. Div.); Mrs. L. M. West (Pharmacol.).

DEATH. J. O. Wade (Rec. Clin. Teacher, Surg.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 53 | 176 |
| Women | 92 | 69 |
| Total | 145 | 245 |

Postgraduate students, 26.

New admissions, 95 (incl. 29 for B.Pharm. degree course).

Students (full-time) from other countries, 10. (Countries from which largest numbers came: Poland, 3; Czechoslovakia, 2; British W. Indies, 2.)

DEGREES AND DIPLOMAS. M.Ch., 1; M.B., B.Chir. Camb., 1; M.Pharm., 1; Ph.D., 1; M.B., B.Ch., 54; B.Pharm., 14; T.D.D., 18; L.R.C.P., M.R.C.S., 9; L.M.S.S.A., 2; C.P.H., 7; D.P.H., 3.

[*Information compiled as at* 25/6/53 ;
*Staff list revised on* 14/10/53.]

# UNIVERSITY COLLEGE OF THE SOUTH WEST OF ENGLAND, EXETER*

Founded 1901

*Telephone*: Exeter 4141.

PRESIDENT—The Most Hon. THE MARQUESS OF SALISBURY, K.G.

DEPUTY PRESIDENT AND TREASURER—B. G. LAMPARD-VACHELL, M.A. Camb., LL.B. Lond.

PRINCIPAL (from Sept. 1954)—J. W. COOK, D.Sc., Ph.D. Lond., Sc.D. Dub., F.R.I.C., F.R.S.

REGISTRAR—RODERICK ROSS, M.A. (Admin.) Manc.

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. Coll.) Prof.

*Botany*

Caldwell, J., D.Sc. Glas., Ph.D. Glas. and Camb. Prof.
Ainsworth, G. C., B.Sc., Ph.D. Lond., F.L.S. Lectr.
Wilkinson, J., Ph.D. Durh., F.L.S. Lectr.

*Chemistry*

Britton, H. T. S., D.Sc. Lond., D.I.C., F.R.I.C. Prof.
Gregg, S. J., B.Sc., Ph.D. Lond., F.R.I.C. Reader.

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.
Whitehurst, J. S., B.Sc., Ph.D. Lond.
Bishop, E., B.Sc. Glas., F.C.S.

*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.

*Economics*

Sykes, J., M.A., Ph.D. Leeds, M.Com. Manc. Prof.

Lecturers

Burton, H., M.A. Oxon.
Burton, Mrs. Patricia, B.A. Wales.
Cook, Pauline L., M.A., Ph.D. Camb.
Meyer, F. V., B.Sc. (Econ.), Ph.D. Lond.
Rosse, H., M.A. Oxon.

.....

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

Hill, L. C., C.B.E., LL.D. S.W. Georgetown, M.A. Liv., F.C.I.S. (Pub. Admin.).
Steer, W. S., LL.B. Lond., D.P.A. (Pub. Admin.).
Dunsire, A., M.A. Edin. (Pub. Admin.) Asst. Lectr.

*Education and Psychology*

Curle, A. C. T. W., M.A., B.Sc., D.Phil. Oxon. Prof.
Barling, T. J., M.A. Birm. Lectr.
Collins, D. C., M.A., Ph.D. Lond. 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.
Hourd, Marjorie, B.A. Brist., B.Litt. Oxon. 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 Education) Instr.
Goodwin, Doreen V. (Physical Education) Instr.

*English*

Horrox, W. L., M.A. Camb. Prof.

Lecturers

Cruttwell, M. J. P., B.A. Camb.
Dexter, Kathleen M., B.A. Lond.
Speirs, J. H., B.A. Camb., M.A. Aberd.
Suddaby, Elizabeth, M.A. Oxon.
Wright, Bertha D., M.A. Edin., Ph.D. Lond.

*French*

Niklaus, R., B.A., Ph.D. Lond., L. ès L. Lille Prof.
Duthie, Enid L., M.A. St. And., D. de l'U. Paris Lectr.
Wilson, Aileen, M.A. Dub., D. de l'U. Paris Lectr.
Yarrow, P. J., M.A. Camb. Lectr.
Fox, J. H., B.A. Lond., D. de l'U. 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., A.K.C.
Patterson, Mrs. Ethel J., M.A., Ph.D. Liv.
Shorter, A. H., M.A. Manc., F.S.A.
Johns, E. M., M.A. Camb.
Ravenhill, W. L. D., M.A. Wales.

*Geology*

Stuart, A., M.Sc. Durh., F.G.S. Hd. of Dept.
Dineley, D. L., B.Sc., Ph.D. Birm., F.G.S. Lectr.
Bowen, R. N. C., B.Sc., Ph.D. Lond., F.G.S. Asst. Lectr.

*German*

Garland, H. B., M.A., Ph.D. Camb. Prof.
Swinburne, Hilda, M.A. Oxon. Lectr.
Garland, Mrs. Hertha M. L., B.A. Lond. Asst. Lectr.

*History*

Barlow, F., M.A., D.Phil. Oxon. Prof.
Handcock, W. D., M.A. Brist., B.Litt. Oxon. Sr. Lectr.
Greenaway, G. W., M.A. Camb. Lectr.
Jacobs, D., M.A. Camb. Lectr.
Wolfson, Freda, M.A. Rand., Ph.D. Lond. Lectr.
Youings, Joyce, B.A., Ph.D. Lond. Lectr.
Pressnell, L. S., B.Sc. (Econ.) Lond. Lectr.

Fox, Lady Aileen, M.A. Camb. (British Archæol.) Sp. Lectr.
Coate, Mary, M.A. Oxon. (Local Hist.) Hon. Lectr.

*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., LL.B. Lond. Asst. Lectr.
Warde, J. Asst.

*Mathematics*

Brown, T. A., M.A. Camb., M.A., B.Sc. Edin., F.R.A.S. Prof.
Price, A. T., D.Sc. Manc. (Appl. 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., Ph.D. Lond.
Fletcher, G. C., B.Sc. Lond.

*Music*

Moore, R., B.Mus. Durh., F.R.C.O. Dir.

*Philosophy*

Levine, I., M.A., D.Litt. Glas. Prof.
Callard, Pauline, B.Com. Lond. (Sociol.) Lectr.
Mitchell, G. D., M.B.E., B.Sc. Lond. Lectr.
Hewitt, Margaret, B.A. Lond. (Sociol.) Asst. Lectr.
Scott, Phyllis M., M.A. Edin. (Soc. Sci.) Tutor.

*Physics*

Richardson, H. O. W., B.Sc. Lond. Ph.D. Camb. Prof.

Lecturers

Grew, K. E., Ph.D., D.Sc. Birm., Ph.D. Camb., F.I.P.
Lothian, G. F., M.A. Oxon., F.I.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, Rev. S. C., M.A., D.D. Camb. Hd. of Dept.
Jalland, Rev. T. G., M.A., D.D. Oxon. Lectr.

*Zoology*

Harvey, L. A., M.Sc. Lond., D.I.C. Prof.
Hawes, R. S. J., B.Sc., Ph.D. Lond. Lectr.
Vickers, G. G., M.Sc. Sheff. Lectr.
Linn, I. J., B.Sc. Edin. Lectr.

**Extra-Mural Studies**

Sellon, H. G. R., M.A. Oxon. 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.
Todd, A. C., B.A. Lond.
Tudor, G. D. C., B.A. Oxon.
Walters, W. E., M.A. Wales.

**Overseas Students**

Salter, K. W., B.A. Brist. Tutor.
Parkinson, R., M.A. Camb. Asst. Lectr.
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: Mrs. Nancy Dineley, 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), Prof. H. O. W. Richardson, B.Sc. Lond., Ph.D. Camb.; Mardon Hall (men), Prof. I. Levine, M.A., D.Litt. Glas.; Exeter Hall (men), D. L. Dineley, B.Sc., Ph.D. Birm., F.G.S.; Crossmead Hall (men), H. Halberstam, M.Sc., Ph.D. Lond.; Hope Hall (women), Ruth King, M.Sc. Lond.; Lopes Hall (women), Isobel G. T. Ross, M.A. Aberd.; Thomas Hall (women), Margery Pairpoint, B.Sc. Lond.; Birks Grange (women), Lilian G. Button, M.Sc. Lond.; Barton Place (women), Pauline M. Callard, B.Com. Lond.

TUTOR TO BRADNINCH HALL (NON-RESIDENT) STUDENTS. D. Jacobs, M.A. Camb.

NORMAN LOCKYER OBSERVATORY. Director: D. L. Edwards, D.I.C., F.R.A.S.

MEDICAL OFFICERS. R. Fortescue Foulkes, M.B., B.S. Lond., G. L. Stumbles, Mrs. Dorothy Stumbles, M.B., Ch.B. Birm.

APPOINTMENTS OFFICER. Roderick Ross, M.A. (Admin.) Manc.

## GENERAL INFORMATION

**Organized as a College, 1901. Incorporated under its present title, 1922.**

FACULTIES AND CHAIRMEN. *Arts*, Prof. I. Levine (Philos.); *Science*, Prof. J. Caldwell (Bot.); *Social Studies*, Prof. J. Sykes (Econ.).

LIBRARY. Roborough Library, opened in 1940, accommodates over 80,000 books, including some rare editions and early printed books.

OBSERVATORY. The Norman Lockyer Observatory, Sidmouth, became a constituent part of the University College in 1948.

INSTITUTE OF EDUCATION, Thornlea, New North Rd., Exeter (*Telephone*: Exeter 54402). Secretary: A. Milton, M.A. Constituent Colleges: Training Dept. of the University College (Prof.—A. C. T. W. Curle, M.A., B.Sc., D.Phil. Oxon.); St. Luke's College, Exeter (Men) (Principal—J. L. Smeall, M.A.); Rolle College, Exmouth (Women) (Principal—Miss G. M. Croft, O.B.E., B.A.).

ADMISSION. For degree courses the minimum entry requirement is matriculation in the Univ. of London (*see* Appendix I); for certain Dipl. courses unmatriculated applicants may be considered. The minimum age for entry is 17 years, but candidates between 16 and 17 may be admitted by special resolution of the Senate.

DEGREE COURSES. Courses for the external Degrees of the Univ. of London in Arts, Science, Theology, Economics, Law, Music.

COLLEGE DIPLOMAS AND CERTIFICATES, ETC. Cert. of Inst. of Educn., Cert. in Visual Educn., Cert. in Educn. for Overseas Students, Testamur in Engl. Lang. and Lit. for Overseas Students, Testamur of Proficiency in the German Lang., Dipl. in Pub. Admin, and Dipl. in Soc. Admin. Courses for examns. of Law Society, Inst. of Physics, and Royal Inst. of Chemistry; the

Cambridge Cert. in Religious Knowledge and the Univ. of London Dipl. in Theol.

POSTGRADUATE WORK. Provision for supervised research work in the several Faculties, whether as part of the course for a higher degree or otherwise.

AFFILIATION. The College is recognized as an associated Institution by the Univs. of Oxford and Cambridge.

FEES. Arts (Inter. and Final), £34 : 10s. ; Science (Inter. and Final), £39 : 5s. ; Economics (Prelim. and Final), £36 : 10s. ; Music (First Examn.), £27 : 6s., (Final), £31 : 10s. ; Law (Inter. and Final), £34 : 10s. ; Education Certif., £53 ; Testamur in English for Overseas Students, £45 ; Certificate in Education for Overseas Students, £75 ; Visual Education Certif., £31 : 10s. ; Diplomas in Public Admin. and Soc. Admin. (full-time) £36 : 10s., (pt.-time) £10 : 10s. ; Registration, £2. *Note.*—Fees at reduced rate payable by students from Devon, Cornwall, Dorset, Exeter and Plymouth. Addl. fees for Field Work : For B.A. Hons. Geog., addl. £10 ; B.Sc. Spec. in Bot., Geog. and Zool., addl. £10 ; B.Sc. Spec. Gen. and Subsid. in Geol., addl. £10 ; B.Sc. Gen. in Zool. and Inter. Sc. in Geol., addl. £3.

SUMMER SCHOOL. The Coll. organizes a Summer School in Engl. Studies for Overseas Students annually in the month of Aug.

ENTRANCE SCHOLARSHIPS. On the results of an annual Entrance Scholp. Examn. the Coll. awards open Scholps. (max. value £80), open Exhibitions (max. value £40) and various closed Scholps. Certain of these are recognized by the Ministry of Educn. as qualifying for supplementary State Scholps.

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

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 540.) For Women (Fees : £110-£113) : Hope Hall, Prince of Wales Rd., Exeter, 101 students ; Lopes Hall, St. German's Rd., Exeter, 103 students ; Thomas Hall, Cowley Rd., Exeter, 47 students ; Birks Grange, New North Rd., Exeter, 20 students ; Barton Place, Wreford's Lane, Exeter, 22 students. For Men : (Fees : £113-£118) : Reed Hall, Streatham Dr., Exeter, 68 students ; Exeter Hall, Pennsylvania Rd., Exeter, 84 students ; Mardon Hall, Streatham Dr., Exeter, 85 students ; Crossmead Hall, Dunsford Hill, Exeter, 56 students. All students not living at home must reside in one of the Halls of Residence, as far as accomm. permits.

EXTRA-MURAL DEPT. *Postal Address* : " Knightley," Streatham Drive, Exeter. *Telephone* : Exeter 55461-2.

PUBLICATIONS. College *Calendar*, 1s. 6d. ; College *Prospectus* (free) ; *Prospectus of the Department of Education* (free) ; *Regulations for Entrance Scholarships* (free) ; *Annual Report* (free) in Oct. ; Guild of Undergraduates' *Handbook*.

## THE YEAR 1951–52

BENEFACTIONS. Messrs. Albright & Wilson Ltd., £100 to Dept. of Chem. ; late Miss K. M. Lazenby, bequest of investments of upwards of £12,500 for " Lazenby Trust " to provide for appt. of a Church of England Chaplain and other religious purposes ; I.C.I., £150 for res. in Dept. of Chem. ; final payment of £4004 from Mrs. Ellen Heath Bequest for provision of Hatherly Labs. ; Ministry of Supply, £1195 for investigation into Chem. of Ruthenium (under Prof. H. T. S. Britton) ; Agric. Res. Council, £889 in aid of survey of animal

mycoses (by Dr. G. C. Ainsworth); £684 in aid of res. into adsorption on soils (by Dr. S. J. Gregg); £629 in aid of res. on (*a*) "Asperny" disease in tomatoes and chrysanthemums and (*b*) winter browning of anemones (under supervision of Prof. J. Caldwell); D.S.I.R., £495 for sp. res. in Chem. (by Dr. L. H. Long); National Titanium Pigments Ltd., £300 p.a. for 3 yrs. for Chem. res. (under supervision of Dr. S. J. Gregg).

NEW BUILDINGS, ETC. Hatherly Biological Lab. completed and ready for occupation. It houses Depts. of Bot., Zool. and Geol. which have been transferred from original Coll. Bldgs. in Gandy St. This has enabled the Coll. to provide accomm. in the old Coll. for Guild of Undergrads. The Coll. has purchased 74 Pennsylvania Rd., which is being incorporated in Exeter Hall to provide addl. accomm. for students; this will necessitate a larger Dining Hall and plans are being prepared. New Playing Fields (7 acres) completed and gradually brought into use.

PRINCIPAL. Sir Thomas Taylor, apptd. Principal [died 1953].

EXTRA-MURAL WORK. 168 courses held in Devon and Cornwall attended by 2843 students, and 58 week-end schools attended by 568 students. 927 attendances at other activities.

RETIREMENTS. S. H. Watkins (Prof. of Educn. and Psychol.); R. L. G. Ritchie (Prof. of French).

RESIGNATIONS. Dr. C. W. L. Bevan (Chem.); Sir Alexander Campbell (Registrar); V. C. A. Ferraro (Appl. Maths.); Dr. L. Casserley (Sociol.); L. T. F. Little (Econ.); Miss Magee (Handwork and Needlework); Miss Mathias (Educn.; Dean of Women Students); Mrs. P. Parkin (Geol.); Dr. A. W. Wilcock (Music).

DEATHS. Sir William Munday (Vice-Pres.); F. H. Newman (Prof. of Phys. and Actg. Principal 1951–52).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 68 | 584 |
| Women | 23 | 361 |
| Total | 91 | 945 |

Postgraduate students, 94.

First-year admissions, 325.

Students (full-time) from other countries, 114. (Countries from which largest numbers came: Egypt, 21; British W. Africa, 20; U.S.A., 18; Federation of Malaya, 6; Hong Kong, 5; Switzerland, 5.)

145 students attended the Summer School for Overseas Students in August 1952. (Not included in figures above.)

DEGREES (London External). B.A., 94; LL.B., 2; B.Sc., 75; M.Sc., 3; Ph.D., 2; B.Sc. (Econ.), 31; B.D., 1.

DIPLOMAS. Certif. of Inst. of Educn., 74; Dipl. in Publ. Admin., 11; Dipl. in Soc. Admin., 11; Dipl. in English Studies for Egyptian Students, 11; Testamur in English Studies for Overseas Students, 10; Testamur of Proficiency in German, 4.

[*Information compiled as at* 15/6/53 ;
*Staff list revised on* 24/9/53.]

# UNIVERSITY COLLEGE OF HULL*

Founded 1927

*Telephone* : Hull 18960 (6 lines).

PRESIDENT—The Rt. Hon. LORD MIDDLETON, M.C., T.D., 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. THE EARL OF ANCASTER, T.D., B.A. Camb., J.P.

PRINCIPAL—J. H. NICHOLSON, B.A. Oxon., M.A. (Ed.) Brist.

VICE-PRINCIPAL—Professor BRYNMOR JONES, B.Sc., Ph.D. Wales, Ph.D., Sc.D. Camb., F.R.I.C.

REGISTRAR—C. MEGGITT, Hon. M.A. Leeds.

LIBRARIAN—AGNES CUMING, M.A. N.U.I., B.Sc. Oxon.

## TEACHING STAFF

*Botany*

Good, R. D'O., M.A., Sc.D. Camb. Prof.
Cromwell, B. T., B.Sc., Ph.D. Liv. Reader.

Lecturers

Flint, Elizabeth A., M.Sc. N.Z., Ph.D. Lond.
Stenton, H., B.A., Ph.D. Camb.
Watts, W. A., B.A. Dub. Asst. Lectr.

Research Assistant

Rennie, S. D., B.Sc. Lond.

*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., Ph.D. Lond.
Barker, C. C., B.Sc., Ph.D. Brist.
Norris, A. D., M.A., D.Phil. Oxon., F.R.I.C.
Clarke, K., M.Sc., Ph.D. Liv.
Shorter, J., B.Sc., M.A., D.Phil., Oxon.

*Classics*

Gillies, M. M., M.A. Camb., Ph.D. Edin. Prof.

Lecturers

Chilton, C. W., M.A. Camb.
Norman, A. F., M.A. Oxon.
Goold, G. P., B.A. Lond.

Assistant Lecturers

.....
Rudd, W. J. N., B.A. Dub.
Landels, J. G., M.A. Aberd., B.A. Camb.

*Economics and Commerce*

Bowen, I. I., M.A. Oxon. Prof.

Lecturers

Saville, J., B.Sc. (Econ.) Lond.

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

Klingender, F. D., B.Sc. (Econ.), Ph.D. Lond. (Sociol.).
Rotheray, D., M.A. Camb.
Nicholson, R. J., M.A. Camb.
Hiner, O. S., B.A. Camb.
Smyth, R. L., B.A. Belf.
Kemp, T., B.Sc. (Econ.) Lond.
Lane, P. A., B.Sc. Wales.

Research Assistants

Bellamy, Joyce M., B.Com. Lond.
Maxcy, G. F., B.A. Corn., M.A. Leeds.

*Education*

Castle, E. B., M.A. Oxon. Prof.

Lecturers

Bull, K. R., M.A. Oxon. (Phys. E.)
Bull, Marion, B.Sc. Lond.
Graham, Janet B. (Phys. E.).
Lawson, J., M.A. Manc.
Bradley, J., M.A. Camb., M.Sc. Lond.
Bunker, G. A. S., B.Sc. (Econ.) Lond.
Garforth, F. W., M.A. Camb.
Stern, H. H., M.A. Lond.
Miles, H. B., B.Sc. Wales.
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*

Brett, R. L., B.A. Brist., B.Litt. Oxon. G. F. Grant Prof.

Lecturers

'Espinasse, Mrs. 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.

*French*

MacInnes, W. A., M.A. Glas., D. ès L. Paris Prof.

Lecturers

Maguire, Patricia I., M.A. Glas.
Ginestier, P., L. ès L., Dipl. d'Ét. Sup. Paris.
Charlton, D. G., M.A. Camb.
Pickford, C. E., M.A. Manc.
Coveney, J., B.A. R'dg., D. de l'U. Stras.

*Geography*

King, H., M.A. Liv. Hd. of Dept.

Lecturers

Brachi, D. P., M.A. Camb.
Latham, Lois R., B.A. Sheff.
de Boer, G., M.A. Camb.
Appleton, J. H., M.A. Oxon., B.Sc. Durh.

Assistant Lecturer

Simpson, E. S., B.A. Liv.

*Geology*

Lecturers

Penny, L. F., M.A. Camb.
Neale, J. W., B.Sc. Manc.
Henderson, F. P., B.Sc. Edin.

*German*

Baier, C., B.A. Liv., Dr.Phil. Tübingen Hd. of Dept.
Waidson, H. M., M.A. Birm., Ph.D. Leipzig Lectr.
Ellis, J. O., B.A. Manc., Ph.D. Lond. Asst. Lectr.
..... (Swedish) Asst. Lectr.
Atkinson, J., B.A. Leeds (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.
.....

Spencer, F., M.A. Manc.
Davis, R., B.Sc. (Econ.) Lond.
Brown, Lucy, M.A. Camb.
Coleclough, J. E., M.A., LL.B. Camb. Pt.-time Lectr.

*Law*

Taylor, F. W., LL.B. Wales, M.A. Camb. Hd. of Dept.
Bevan, H. K., LL.B. Wales Lectr.
Hughes, G. B. J., B.A. Camb., LL.B. Wales Lectr.
Hudson, A. H., B.A., LL.B. Camb. 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

Neumann, Mrs. Hanna, D.Phil. Oxon.
Parsons, H. W., M.A. Camb.
Hale, V. W. D., M.A., Ph.D. Camb.
Shepperd, J. A. H., M.Sc. Lond.
Fisher, C. F., M.A. Oxon.
Morris, G. R., B.Sc. Syd., Ph.D. Camb.
Cook, I. T., B.A. Camb., B.Sc. 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.I.P. Prof.

Lecturers

Jones, J. I., B.Sc., Ph.D. Wales, F.I.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., Ph.D. Edin.
Duffin, W. J., M.A. Camb.

*Psychology*

Lecturers

Westby, G., M.A. Oxon.
Symons, J. R., B.A. R'dg.
Royse, A. B., M.Sc. Manc. 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.

*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.
Edwards, R. L., B.A., D.Phil. Oxon.
Nowell, N. W., B.Sc. Liv.
Burgess, G. H., B.Sc. R'dg. Sp. Res. Appt.

**Ferens Lecturer**

(Fine Art)

1953–54—Prof. N. B. L. Pevsner, C.B.E., M.A. Camb., Ph.D. Leipzig, F.S.A.

**St. John's College (Cambridge) Lecturer**

1953–54—Prof. J. S. Mitchell, C.B.E., M.A., Ph.D., M.B., B.Chir. Camb., F.R.S.

**Adult Education**

Mayfield, G. E. T., B.A. Lond. Prof.

*Art, History of*

Smart, P. A. M., M.A. Glas., Dipl. in Art Edin. (S.T.).*

*Economics*

Barmby, J. E., B.Com. Birm. (S.T.).
Evans, R., B.Sc. (Econ.) Lond. (S.T.).
Hughes, J. D., B.A. Oxon. (in conjunction with Sheff. U., Dept. of Extra-Mural Studies) (S.T.).

*History*

Gillett, E., B.A. Lond. (S.T.).
Marsden, A., B.A. Wales (S.T.).
Reynolds, Mrs. Catherine E. M., B.A. Oxon. (S.T.).

*History, Local*

MacMahon, K. A., M.A. Lond. (S.T.).

*Literature and Drama*

..... (S.T.).
Hoggart, H. R., M.A. Leeds (S.T.).
Marckwald, W. M. (S.T.).
Styan, J. L., M.A. Camb. (S.T.).

*Philosophy and Psychology*

Rickman, H. P., M.A. Lond., D.Phil. Oxon. (S.T.).

*Swedish*

..... (in conjunction with Dept. of German).

*Adult Education in H.M. Forces (Cttee. for)*

*Sec.*: Mayfield, G. E. T., B.A. Lond. Prof.
*Asst. Sec.*: James, M. Stephanie C., B.A. Camb.

Staff Lecturers

Burrows, W. R., M.A. Oxon.
Butterfield, Mrs. Madge, M.A. Camb.

**Institute of Education**

Castle, E. B., M.A. Oxon. Dir. and Prof.
James, I. T., M.A. Camb., B.Sc. Lond. Sec.
Hobkinson, J. D., M.A. Sheff. Sr. Tutor.
..... Tutor.
Freeman, C. B., B.A. Oxon., F.L.A. Librarian.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: D. Campbell, B.A. Camb. (Property and Works), R. B. Shepherd, B.Sc. Lond. (Academic). Admin. Asst.: F. M. Algate, B.Sc. (Econ.) Lond. Accountant: B. Armitage. Asst. to Accountant: J. B. Wood. Dep. Librarian: A. C. Wood, M.A. Glas. Sr. Asst. Librarian: J. Farrell, B.A. Camb. Medical Officer: R. Raines, M.B., Ch.B. Leeds. Sec., Appts. Bd.: P. J. Coveney, M.A. Camb.

Wardens of Halls of Residence. A. J. Treherne, B.A. Liv. (Camp Hall); P. J. Coveney, M.A. Camb. (Needler Hall); Margaret Beaton, B.A. Camb. (Cleminson Hall); Jane G. Dow, M.A. Edin. (Thwaite Hall).

## GENERAL INFORMATION

The University College of Hull, incorporated in 1927, was founded by the Rt. Hon. Thomas Robinson Ferens, LL.D., 1847–1930. The Coll. was opened to students for the first time in 1928.

* (S.T.) = Staff Tutor.

LIBRARY. Over 110,000 bks.; includes material for advanced res. Learned periodicals and scientific proceedings are represented by over 550 current issues, and by sets of back numbers.

DEGREE COURSES. Tuition is provided for London External degrees in Arts, Div., Music, Econ., Laws, Pure Sci., and for Inter. Examns. in Agric. and Pharmacy, First Examn. for Med., Dent. and Vet. Courses.

POSTGRADUATE WORK. Courses and facilities for res. in all depts.

DIPLOMA AND OTHER COURSES. Univ. of London Dipl. in Geog.; Univ. of London Dipl. in Theol.; Univ. of London Sister Tutors' Dipl.; Certif. in Education of the Univ. Coll. of Hull; Certif. in Local History of the Univ. Coll. of Hull; Dipl. in Applied Economics of the Univ. Coll. of Hull; Dipl. in Public Admin. of the Univ. Coll. of Hull; Diploma in Social Studies of the Univ. Coll. of Hull; Diploma in Social Administration 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. For degree courses, minimum entry requirement is matric. in Univ. of Lond. (*See* App. I.)

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 Applied Economics, £10; Dipl. in Public Admin., £10; Certif. in Educn., £50: 10s.; Registration fee, £3; Students' Union fee, £4.

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; A. E. Morgan Scholp. of £40; Commercial Scholp. of £50; A. P. Needler Scholps. of £50; G. F. Grant Scholps. of £40; William Wilberforce Scholp. of £50; Beatrice Pearlman Scholp. of about £30; W. H. Slack Scholp. of £20; Adult Scholps. of £50; Reckitt Scholps. of £40; Scholp. in Social Studies of £40.

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

RESIDENCE. (For Wardens *see* "Administrative and other Staff", p. 546.) All students in regular attendance, not living with their parents, are required to live in one of the Halls of Residence, unless sp. permission to the contrary is given by the Principal. For women (fees: £120 per session): Cleminson Hall, Cottingham, E. Yorks. (*Telephone*: Cottingham 47326), 68 students; Thwaite Hall, Cottingham, E. Yorks. (*Telephone*: Cottingham 47410), 175 students. For men (fees: £123 per session): Camp Hall, Harland Way, Cottingham, E. Yorks. (*Telephone*: Cottingham 47396), 375 students; Needler Hall, Cottingham, E. Yorks. (*Telephone*: Cottingham 47181), 68 students.

INSTITUTE OF EDUCATION (*see also* p. 546). *Constituent Colleges*: University College Dept. of Education (Professor: E. B. Castle, M.A. Oxon.); Endsleigh Training College, Hull (Principal: Miss C. A. Dowling, M.A. Oxon.); Hull Municipal Training College (Principal: Miss H. Todd, M.A., M.Ed. Leeds). The Institute, which was inaugurated in 1948, was founded to establish closer relationships with institutions in Hull and the neighbouring area specifically concerned with the trg. of teachers. Students of the Inst. prepare for the Grad. Certif. in Educn. or for the Certif. in Educn. Other major activities of

the Inst. are the organization and provision of refresher and advanced courses for practising teachers, and the planning of educnl. investigation and res. The Inst. bldg. contains a common room, an exhibition room and a library of 10,000 books. Annual journal: *Studies in Education.*

UNIVERSITY AIR SQUADRON. The University Air Squadron, a regular unit of the Royal Air Force, commanded by Sqn. Leader D. G. Walker, A.F.C., is affiliated to the Univ. Coll.; membership is open to students who expect to be resident at Coll. for a min. of 2 yrs., and affords an opportunity for pilot and officer training at the Squadron's airfield at Brough.

FERENS SOCIETY (Old Students' Association). Pres.: The Principal; Chairman: P. T. Meldrum, LL.B. Lond.; Sec.: Miss M. M. Brennan, B.A.; Treasurer: J. Wood, B.Sc. Membership is open to all past members of the Students' Union, all full-time members of the Staff (Assoc. Members), and certain other Assoc. and Hon. Members who are elected by the Assocn.

PUBLICATIONS. *Calendar* (Oct.); *General Prospectus*; *Yorkshire Bulletin of Social and Economic Research* (half-yrly.) (jtly. with Depts. of Economics of Univs. of Leeds and Sheffield); *Studies in Education*; Inst. of Educn., *Scholarships Prospectus*; *The Torch* (Magazine of the Students' Union) (3 times p.a.).

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Further substantial benefactions received in response to private appeal.

NEW BUILDINGS. New animal house opened; first section of new Chem. bldg. approached completion; Cleminson Hall, a new hall of residence for women, comprising three converted houses, opened; final lay-out of sports ground completed.

CHANGES IN REGULATIONS. Establishment of Dipl. in Social Studies, Dipl. and Certif. in Social Admin., Certif. in Publ. Admin.; revised regulns. for Dipl. in Publ. Admin.

EXTRA-MURAL WORK. 3921 persons attended 195 courses (held in 47 different centres) arranged by Dept. of Adult Educn. Fifteen residential week-end schools held at Scarborough, Skegness and Cleethorpes; 16 public lectures held in various centres, and over 100 single and pioneer lectures given at different places in area. Through the Cttee. for Educn. in H.M. Forces 126 classes and courses provided for Service personnel.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. N. F. S. Ferre, Vanderbilt, "Towards a Re-interpretation of the Christian Understanding of God"; Dr. A. S. Roe, Bowdoin Coll., "Blake as an Illustrator"; Mlle M. Davy, Sorbonne, "La Femme dans la littérature française contemporaine"; Prof. Borcherdt, Munich, "Die grossen deutschen Tragiker"; Dr. S. D. Garrett, Camb., "The Ecology of Soil Fungi"; R. P. Bell, Oxon., "Some Methods of Measuring Reaction Velocities in Solution"; Prof. J. W. Cook, Glas., "The Structural Chemistry of Colchicine and some of its biological properties"; J. H. Schulman, Camb., "The Physics and Chemistry of Monolayers"; Prof. L. Hunter, Leicester U.C., "La Liaison d'Hydrogène"; Prof. W. H. MacCrea, Lond., "The Theory of Relativity"; Prof. H. S. Ruse, Leeds, "Differential Geometry"; Dr. F. Smithies, St. John's Coll., Camb., "Linear Operators"; Dr. A. H. Stone, Manc., "Group Theory."

RETIREMENT. Prof. W. S. Vines (Engl.).

RESIGNATIONS. C. W. Baigent, commissioned in R.A.E.C.; Miss E. Y. Campbell, on marriage; Miss C. Clark; A. W. T. Green, apptd. to Sr. Lectureship, Hong Kong U.; Miss R. A. K. Puranen; T. J. Roberts, apptd. Resident Tutor, British Electr. Authority's Coll., Buxton; Miss H. Spangenberg; Dr. J. R. T. Short, apptd. Lectureship, Aberd. U.; D. K. R. Hodgkin, apptd. Asst. Registrar, A.N.U.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 40 | 577 |
| Women | 9 | 273 |
| Total | 49 | 850 |

Postgraduate students, 142 (incl. 121 taking Certif. in Educn., and 21 engaged in research and taking higher degrees).

New admissions, 230.

Students (full-time) from other countries, 50. (Countries from which largest numbers came: British W. Africa, 35; Poland, 5; British E. Africa, 3; Mauritius, 2.)

DEGREES (London external). B.A., 77; M.A., nil; B.Com., 3; B.Sc. (Econ.), 10; LL.B., 4; B.Sc., 81; B.Sc. Sp. Examn. (Maths., Adv. Subjs.), 1; M.Sc., 2; Ph.D., 2.

DIPLOMAS AND CERTIFICATES. Dipl. in Social Studies, 5; Certif. in Educn, 110; Sister Tutors' Dipl., nil.

[*Information compiled as at* 20/6/53 ;
*Staff list revised on* 13/10/53.]

# UNIVERSITY COLLEGE OF LEICESTER*

Founded 1918; Royal Charter 1950

*Telegrams*: University Leicester.
*Telephone*: Leicester 65211 (3 lines).

VISITOR—Professor GILBERT MURRAY, O.M., M.A., D.Litt., D.C.L. Oxon., Litt.D. Camb., LL.D. Glas., D.Litt. Birm., F.B.A., F.R.S.L.

CHAIRMAN OF COUNCIL—H. PERCY GEE, C.B.E., J.P.

PRINCIPAL—CHARLES H. WILSON, M.A. Glas. and Oxon.

REGISTRAR—H. B. MARTIN, B.Com. Lond., F.C.I.S.

ACCOUNTANT—E. C. GOLDSPINK.

LIBRARIAN—RHODA BENNETT, M.A. Lond., F.L.A.

## TEACHING STAFF

*Botany*

Tutin, T. G., M.A. Camb., F.L.S. Prof.
Conolly, Ann P., M.A. Camb. Lectr.
Wangermann, Elisabeth, M.Sc., Ph.D. Manc. Lectr.
Tutin, Mrs. Winifred, B.Sc., Ph.D. R'dg. Pt.-time Lectr.
..... 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., Ph.D. Lond.

*Economics and Commerce*

Pool, A. G., B.Sc. (Econ.), Ph.D. Lond. Dean, Prof.
Conway, Freda C., B.Sc. Lond., M.A. (Com.) Manc. Lectr.
Groves, P. S., B.Sc. (Econ.) Lond., Ph.D. Camb. Lectr
Ford, A. G., B.A. Oxon. Asst. Lectr.
Mason, Rev. L., B.A., B.D. Manc. Pt.-time Lectr.

*Education*

Tibble, J. W., M.A., M.Ed. Leeds Dean, Prof.

Lecturers

Roberts, I. E., B.Sc. Wales.
Pedley, R., M.A., Ph.D. Durh.
Swainson, Beatrice M., M.A. Lond., D.Phil. Oxon.
Wight, R. M., B.L. Aberd.
Collins, Mrs. Mildred, B.Sc. Lond., B.Sc. Birm.
Bantock, G. H., M.A. Camb.

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

Flemming, W., M.Sc., M.A. Liv.
Simon, B., M.A. Camb.
Welford, M. F., B.A. Lond. Asst. Lectr.

Part-time Lecturers

Biggs, Mrs. Beryl R., B.A. Lond.
Eaborn, Mrs. Joyce, B.A. Wales.
Jones, Very Rev. H. A., B.Sc. Lond.
Hopkinson, Mrs. I., B.A. Lond.
Crammer, R. W., M.A. Camb.
Howard, J. H., B.Sc. Lond.

*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.
Craik, T. W., M.A., Ph.D. Camb. Asst. Lectr.

*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.
Darqué, Mlle F. D. M., L. ès L. Bordeaux Lectrice.

*Genetics*

Fincham, J. R. S., M.A., Ph.D. Camb. Lectr.

*Geography*

Bryan, P. W., B.Sc. (Econ.), Ph.D. Lond. Dean, Fac. of Arts, Prof.

Lecturers

Millward, R., M.A. Camb.
Fisher, C. A., M.A. Camb.
Robinson, A. H. W., M.Sc. Lond.
Pitt, Margaret O., M.A. Camb. Asst. Lectr.
Walter, P. J., M.A. Edin. Asst. Lectr.

*Geology*

Whitaker, J. H. McD., M.A. Camb., B.Sc. Lond. Lectr.
Ford, T. D., B.Sc., Ph.D. Sheff. Asst. Lectr.

*German*

Powell, P. H., M.A. Wales, Ph.D. Rostock Lectr. in charge.
Willson, H. B., M.A. Camb. Lectr.
Thomas, C. R., M.A. Camb. Pt.-time Lectr.
Kitson, N. W., B.A. Lond. Pt.-time Lectr.
Just, K. G., Ph.D. Würzburg Lektor.

*Government*

Lecturers

Hookham, M., B.Sc. (Econ.) Lond.
Rees, J. C., M.A. Camb., B.Sc. (Econ.) Lond.

*History*

Simmons, J., M.A. Oxon., F.R.S.L. Prof.

Lecturers

Evans, Mrs. Anne K. B., B.A., Ph.D. Lond., F.R.Hist.S.
Evans, R. H., M.A. Oxon.
Scarfe, N., M.A. Oxon.
McKinley, R. A., M.A. Manc. Pt.-time Lectr.

*History, Economic*

Dyos, H. J., B.Sc. (Econ.), Ph.D. Lond. Asst. Lectr.
Martin, G. H., B.A. Oxon. Asst. Lectr.

*History, English Local*

Finberg, H. P. R., M.A. Oxon., F.R.Hist.S. Reader and 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. Lectr.
Spire, Sheila G., B.A. Camb. 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.
Gandy, R. O., M.A., Ph.D. Camb

Assistant Lecturers
Davies, R. O., M.A. Camb.
Owens, P. J., M.A. Camb.

*Music*
Burrows, B., Mus.D. Lond., F.R.C.O. Pt.-time Lectr.
Gray, G. C., Mus.B. Durh., F.R.C.O. Pt.-time Lectr.

*Physics*
Stewardson, E. A., M.Sc. Liv., Ph.D. Camb.
Dean, Fac. of Sci., Prof.

Lecturers
Haywood, C. A., B.Sc. Birm.
Hunter, A. N., B.Sc. Lond.
Wilson, J. E., B.A. Oxon.
Sinclair, Charmian, B.Sc., Ph.D. Lond.
Spear, W. E., B.Sc., Ph.D. Lond.
Russell, P. C., M.Sc. Lond. Asst. Lectr.

Research Demonstrators
Chapman, K. R., B.Sc. Lond.
Stockting, J., B.Sc. Wales.

*Social Studies*
McKay, Sheila S., B.A. Manc. Dir.
Jones, H., B.Sc. (Econ.) Lond. Tutor.
Rees, Mrs. Ruth G., M.A. Manc. Pt.-time Tutor.

*Sociology*
Neustadt, I., Dr.Sc. (Econ.) Liége, Ph.D. Lond. Lectr.
Banks, J. A., M.A. (Soc.) Lond. Asst. Lectr.

*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., Ph.D. Liv. Asst. Lectr.

**Institute of Education**
Tibble, J. W., M.A., M.Ed. Leeds Dir.
Kean, A. M., M.A. Glas. Org. Sec.
Hughes, E. W., M.A., B.Sc. Birm. Res. Organizer.
Semple, S., M.A. Lond. Staff Tutor.
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.

Staff Tutors
Collins, P. A. W., M.A. Camb.
Barnes, R., M.A. Camb.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar, J. Taylor, B.Sc. (Econ.) Lond. Admin. Asst., G. B. Pyrah, B.A., Ph.D. Leeds. Asst. Accountant, F. C. Pope. Admin. Assts., Dept. of Adult Educn., J. D. Gould, B.A. Lond., M.A. Brist., G. F. A. Wilmot, B.A. Liv. Sub-Librarian, J. A. Barker, M.A. Edin. Sr. Asst. Librarian,

M. Ivory R. Buchan, M.A. Edin., F.L.A. Asst. Librarian, Maureen Bateman, M.A. Camb. Physical Educn. and Welfare Officer, R. M. Wight, B.L. Aberd. Medical Officer, Dr. W. 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. Gardens Supt., A. J. Hopkins.

APPOINTMENTS. The Asst. Registrar.

## GENERAL INFORMATION

University College was founded in 1918. The fine site and bldgs. on high ground only one mile from the centre of the city, were given by the late T. Fielding Johnson in 1919, and a substantial endowment fund was subscribed by leading citizens. Courses began in 1921. The Coll., since its inception, has been liberally supported by the City Council, and also receives an annual grant from the Leicestershire Educn. Cttee. In 1945 it was recognized by the Univ. Grants Cttee. and placed on the list of Univ. Institutions receiving grants from the Exchequer. In 1950 the Coll. received a Royal Charter of Incorporation as a Univ. Coll.

FACULTIES AND DEANS. *Arts*, Prof. P. W. Bryan (Geog.); *Economics and Social Studies*, Prof. A. G. Pool; *Education*, Prof. J. W. Tibble; *Science*, Prof. E. A. Stewardson (Phys.).

LIBRARY. About 85,000 vols.; espec. notable for 2 collections: the Robjohn Collection of Bibles, the works of Bunyan and early printed books; and the Hatton Topographical Library. Sp. attention has been given to English Local Hist. A large extension to the Library has recently been completed.

DEGREE COURSES. Students are prepared for the first and higher external degrees of the Univ. of London in the Facs. of Arts, Sci. and Econ.

DIPLOMA COURSES. For the College Dipl. in Educn. (postgrad. 1-yr. course), Dipl. in Soc. Studies (2 yrs.), and London Dipl. in Geography.

RESEARCH. Facilities are available in all Depts. for postgrad. study and res., and postgrad. scholps. are offered annually. The Research Bd. makes grants in aid of specific pieces of res. and towards cost of publication. Sp. facilities are available for res. in English Local Hist.

ADULT EDUCATION. The Extra-Mural Dept. 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 1 Salisbury Rd., Leicester (*Telephone*: 60420), provides lecture rooms, etc., for students taking the 2-yr. Dipl. Course.

INSTITUTE OF EDUCATION. The Inst. occupies separate premises at 328 London Rd., Leicester (*Telephone*: 78133), where it provides lecture rooms, reading rooms, library (12,000 vols.) and an information service for teachers. The Institute is responsible for supervising courses and co-ordinating the training of teachers. It comprises the following constituent member institutions—the Univ. Coll. Dept. of Education; Leicester Coll. of Art; City of Leicester Training Coll.; Leicester Domestic Science Training Coll.

ADMISSION. For entry to full-time courses students should normally be at least 17. For degree courses, minimum entry requirement is matric. in Univ.

of London (*see* Appendix I) ; and for entry to Fac. of Sci. students must also be exempt from or have passed the Inter. Examn.

FEES. Sessional tuition fees : First Degree in Arts, £34 ; in Sc., £40 ; in Econ., £34 ; Postgrad. Courses in Arts, £10 ; in Sci., £14 ; in Econ., £10 ; in Educn., £48 ; Dipl. Course in Soc. Studies, £30.

SCHOLARSHIPS. Open Scholps., value £40-£50 a yr., are awarded annually on a Scholps. Examn. held in Feb. or March. The Scholps. are recognized by the Ministry of Educn. for the award of State Scholarships. State Scholps. are tenable at the Coll. Mary Ager Studentships are available to enable students of Modern Langs. to spend a period abroad during their course.

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

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 552.) For women (fees : £95 a session) : College Hall, University Road (*Telephone* : 20978), Latimer House and Herrick House, Carisbrooke Road (*Telephone* : 78868)—140 students. For men (fees : £105 a session) : Beaumont Hall, Stoughton Drive South (*Telephones* : Warden 77322, Senior Tutor 74634, Dom. Bursar 75502, Students 753991), Digby House, Stoughton Drive South (*Telephone* : Oadby 897), Hastings House, Stoughton Drive South (*Telephone* : Oadby 888), Shirley House, Manor Road (*Telephone* : Oadby 881), Villiers House, Manor Road (*Telephone* : Oadby 992), Bredon, Manor Road (*Telephone* : Oadby 907), Stoughton Leys, Manor Road (*Telephone* : Oadby 254)—220 students.

APPOINTMENTS. An Appts. Service, under the direction of the Asst. Registrar, is provided for present and former students of the Coll.

STUDENTS' UNION. All full-time students are required to be full members of the Students' Union, which controls the 53 clubs and societies which organize its social, cultural and athletic activities.

ATHLETIC FACILITIES. Two athletic grounds and pavilions are available : one at Wigston Fields, with pitches for cricket, hockey and rugby, and hard tennis courts ; the other at University Fields, Oadby (Fields House, Manor Road (*Telephone* : Oadby 864) ), with a first-class cinder running track, hard tennis courts, and pitches for cricket, soccer and hockey. There are also Rowing, Fencing, Swimming and Badminton Clubs.

OLD STUDENTS' ASSOCIATION. There is an active Old Students' Assocn. which holds reunions at the Coll. at Easter and in Sept. each yr., and keeps members in touch with each other and with Coll. activities and developments by means of regular *News Letters*.

PUBLICATIONS. *Calendar* (annually), *Prospectus* (annually), *Gazette* (terminally), *Illustrated Brochure Report and Accounts* (annually), *Charter and Statutes*, *Inaugural Lectures*, Students' Union Magazine *The Luciad* (terminally).

## THE YEAR 1951–52

PRINCIPAL. C. H. Wilson, Fellow of Corpus Christi College, Oxford, became Principal on April 1, in succession to F. L. Attenborough.

BENEFACTIONS. £2000 under will of late J. A. Hopps, for scholps. ; £1972 gift from Leicester Public Medical Service, for scholps.

NEW BUILDINGS, ETC. First stage completed of extensions at Beaumont Hall, providing 75 study-bedrooms for men. Work on Library Extension

continued and part brought into use. Extensions for Physics and Chemistry and new lab. for Geol. completed.

NEW POSTS. Six additional assistant lectureships established.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. N. G. Annan, Camb.; Prof. E. Baldwin, Lond.; Prof. L. F. Bates, Nott.; Dr. M. Beloff, Oxon.; K. Berrill, Camb.; Dr. T. Böcher, Copenhagen; Miss C. Campbell-Smith, U.C. Canberra; Prof. A. R. Clapham, Sheff.; Dr. E. Dahl, Oslo; Prof. V. A. Demant, Oxon.; Prof. S. Emerson, Cal. Inst. Tech.; Prof. M. Ginsberg, Lond.; Prof. R. H. Haworth, Sheff.; Prof. E. D. Hughes, Lond.; Prof. D. E. Littlewood, Wales; D. G. MacRae, Lond.; Prof. W. H. McCrea, Lond.; G. F. Mitchell, Dub.; Prof. P. B. Moon, Birm.; Sir Charles Morris, Leeds; Prof. M. H. A. Newman, Manc.; Prof. M. Oakeshott, Lond.; Prof. J. Le Patourel, Leeds; A. T. Patterson, Southampton; Dr. H. M. Powell, Oxon.; Prof. R. A. Rankin, Birm.; Prof. I. Richmond, Durh.; Prof. L. J. Russell, Birm.; Dr. F. Smithies, Camb.; Prof. P. E. Verkade, Delft; Prof. A. G. Walker, Sheff.; Prof. W. Wardlaw, Lond.; Prof. J. H. C. Whitehead, Oxon.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. P. W. Bryan, Sheff. and Birm.; Prof. R. L. Goodstein, Queen Mary Coll., Lond.; Prof. L. Hunter, Nott. and U.C. Hull; J. N. Jennings, Nott.; E. J. F. Primrose, Oxon.; Prof. J. Simmons, U.C. Hull; Dr. I. J. Thirsk, Nott.

RESIGNATIONS. Dr. W. G. Hoskins, apptd. Reader in Econ. Hist., Oxon.; J. N. Jennings, apptd. Reader in Geog., A.N.U.; Dr. A. Fröhlich, apptd. Lectr. in Maths., U.C. of N. Staffs; Dr. H. R. C. Wright.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 10 | 501 |
| Women | 6 | 263 |
| Total | 16 | 764 |

Postgraduate students, 129.

New admissions, 255.

Students (full-time) from other countries, 18. (Countries from which largest numbers came: British W. Africa, 6; Anglo-Egyptian Sudan, 2; Cyprus, 2; Germany, 2.)

In addition 1485 students attended courses provided by Dept. of Adult Educn.

DEGREES (London external). B.A., 78; M.A., 2; B.Sc., 53; Ph.D., 1; B.Sc. Econ., 16.

DIPLOMAS. Education, 96; Social Studies, 18.

[*Information compiled as at* 19/6/53;
*Staff list revised on* 15/10/53.]

# UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE*

Founded 1949

*Postal Address*: Keele, Staffordshire, England.
*Telephone*: Keele Park 371.

PRESIDENT—The Rt. Hon. THE EARL OF HARROWBY.

VICE-PRESIDENTS—Alderman T. HORWOOD, B.A. Camb., Hon. M.A. Manc.; Alderman L. DAVIES, O.B.E., J.P.; Councillor Dr. N J. COCHRAN, M.B.E.

PRINCIPAL—Sir JOHN LENNARD-JONES, K.B.E., D.Sc. Manc., Sc.D. Camb., F.R.S.

HONORARY TREASURER—A. P. WALKER.

HON. LEGAL ADVISER—H. TAYLOR.

HON. ARCHITECT—J. R. PIGGOTT.

REGISTRAR—J. F. N. HODGKINSON, M.A. Oxon.

DIRECTOR OF STUDIES—.....

LIBRARIAN—S. O. STEWART, M.A. Glas.

## TEACHING STAFF

*Biology*

Gemmell, A. R., B.Sc., Ph.D. Glas., M.S. Minn. Prof.

Lecturers

Badcock, Ruth M., M.Sc. Liv., F.L.S.
Evans, R. G., M.Sc., Ph.D. Wales.
Plack, R. L., B.Sc. Nott.

Assistant Lecturers

Frankland, Helga M. T., B.Sc., Ph.D. St. And.
Hough, J. S., B.Sc. Manc., Ph.D. Sheff.

*Chemistry*

Springall, H. D., M.A., B.Sc., D.Phil. Oxon. Prof.

Lecturers

Plesch, P. H., M.A. Camb., Ph.D. Manc.
Smith, G. F., M.Sc. Manc., Ph.D. St. And.

Assistant Lecturers

Cass, R. C., B.Sc., Ph.D. Brist.
Nyburg, S. C., B.Sc. Lond., Ph.D. Leeds.
Spedding, H., M.Sc., Ph.D. Manc.

*Classics* [Prof.

Charlton, J. M. T., M.A. Manc.

Assistant Lecturers

Barton, I. M., B.A. Camb.
Hill, E. R., M.A. N.Z.
Earp, A. J., B.A. Tor., M.A. Cincinnati.
Elsworth, W. L., M.A. Camb. Pt.-time Tutor.
Rayne, R. N., M.A. Oxon. Pt.-time Lectr.

*Economics*

Williams, B. R., B.A. Melb., M.A. Adel. Prof.

* Associate member of the Association of Universities of the British Commonwealth.

Corner, D. C., B.A., B.Phil. Oxon. Asst. Lectr.
Hunter, A., M.A. Glas. Asst. Lectr.
Lees, D. S., B.Sc. Lond., Ph.D. Nott. Asst. Lectr.
Mills, E. S., A.B. Brown Asst. Lectr.
Williams, Roma O., B.A. Adel. Pt.-time Lectr.

*Education*

Stewart, W. A. C., M.A., Ph.D. Lond. Prof.

Lecturers

Charlton, K., M.A., Ed.B. Glas.
Halliwell, H. F., B.Sc. Lond.
Perrott, P. Elizabeth, M.Sc. Wales.
Woodcock, A. C., M.A., Dip.Ed. Leeds.
Paffard, M. K., B.A. Brist. Asst. Lectr.
Wilson, Mary H., M.A. Glas., B.Sc. (Econ.) Lond. Pt.-time Lectr.

*English Language and Literature*

Lawlor, J. J., M.A. Oxon. Prof.
Elliott, R. W. V., M.A. St. And. Lectr.
Harvey, W. J., M.A. Oxon. Asst. Lectr.
Killham, E. J., M.A. Lond. Asst. Lectr.
Lloyd, M. W., B.A. Oxon. Asst. Lectr.

*Geography*

Beaver, S. H., M.A. Lond. Prof.
Cole, Monica M., B.Sc., Ph.D. Lond. Lectr.

Assistant Lecturers

Williams, W. M., M.A. Wales.
Yates, E. M., M.Sc. Lond.

*Geology*

Cope, F. W., D.Sc. Manc., F.G.S. Prof.
Miller, T. G., M.A. Camb. Lectr.

Assistant Lecturers

Moseley, F., Ph.D. Sheff., F.G.S.
Shelford, P. H., B.Sc. R'dg.
Stone, M., B.Sc. Liv. Asst. Lectr.

*Historical Theology*

Henderson, R. B., M.A. Oxon., B.D. Lamb. Lectr.

*History*

Blake, J. W., M.A. Lond. Prof.
Coles, P. H., B.A. Camb. Lectr.
Leech, H. R., M.A. Oxon. Lectr.
Deakin, W. T., M.A. Camb. Asst. Lectr.
Rolo, P. J. V., M.A. Oxon. Pt.-time Lectr.

*Mathematics*

Sneddon, I. N., M.A. Camb., D.Sc. Glas. Prof.

Lecturers

Frohlich, A., B.Sc., Ph.D. Brist.
Noble, B., M.A. Camb., B.Sc. Aberd.
Wallace, A. H., M.A. Edin., Ph.D. St. And.
Clunie, J. G., B.Sc. St. And., Ph.D. Aberd. Asst. Lectr.
Hayley, H. W. B., B.Sc. Lond. Pt.-time Tutor.

*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. Sr. Lectr.
Broome, J. H., B.A., Ph.D. Lond. Lectr.

Assistant Lecturers

Knight, K. G., M.A., Ph.D. Camb.
McHaffie, Margaret A., M.A. Aberd.
Page, Dorothy M., B.A. Leeds, D. de l'U. Paris.
Papst, E. E., M.A. Cape T.
Varty, E. K. C., B.A. Nott.

*Moral and Political Philosophy*

Teale, A. E., B.A. Leeds, B.Litt. Oxon. Prof.
Montefiore, A., M.A. Oxon. Asst. Lectr.

*Philosophy*

Gallie, W. B., M.A., B.Litt. Oxon. Prof.
O'Connor, D. J., M.A., Ph.D. Lond. Lectr.
Keene, G. B., B.A. Birm., B.Phil. Oxon. Asst. Lectr.

*Physics*

Vick, F. A., O B.E., M.Sc., Ph.D. Birm., F.I.P. Prof.
Davies, D. E., B.Sc., Ph.D. Wales Lectr.

Assistant Lecturers

Bosley, W., M.Sc. Sheff.
Harrison, R. D., B.Sc. Birm.
Shepherd, A. A., M.Sc., Ph.D. Manc.

*Political Institutions*

Finer, S. E., M.A. Oxon. Prof.
Cairns, Mary B., LL.M. Brist., Ph.D. Lond. Lectr.
Glover, Mary R., M.A. Oxon. Lectr.
Bealey, F. W., B.Sc. Lond. Asst. Lectr.
Erös, J. S., Dr.Phil. Heidel., Ph.D. Manc. Asst. Lectr.
Rolo, P. J. V., M.A. Oxon. Pt.-time Lectr.

*Psychology*

Iliffe, A. H., B.A. R'dg. Lectr.

*Social Studies*

Glover, Mary R., M.A. Oxon. Dir. of Soc. Service Trg.
Hunter, Elizabeth, B.A. Oxon. Pt.-time Tutor.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Estate and Buildings): E. J. Hughes, D.P.A. Asst. Registrar (Finance): T. Ball. Asst. Librarian: Joan E. Friedman, B.A. Camb. Principal's Sec. and Admin. Asst.: Mrs. Joan M. Morton, M.B.E. Admin. Asst.: M. Elizabeth Gildart. Wardens of Halls of Residence: Mary H. Wilson, M.A. Glas., B.Sc. Lond. (Lindsay Hall); R. N. Rayne, B.A. Oxon., and P. J. V. Rolo, M.A. Oxon. (Horwood Hall). Dir. of Physical Educn.: H. W. B. Hayley, B.Sc. Lond.

## GENERAL INFORMATION

The Coll. was founded by Royal Charter in Aug. 1949, and was opened in Oct. 1950. Situated at Keele Hall, where there is an estate of 154 acres, it is about 3 miles due west of Newcastle under Lyme.

CONSTITUTION of the Çoll. follows pattern of modern Univs. with one important deviation. There is a Court, a Council and a Senate with the usual division of powers and duties, but in addition an Academic Council, the majority of whose members are representatives of the Univs. of Oxford, Manchester and Birmingham, and whose approval is required on all matters of academic importance.

INCOME. Income and expenditure of the Coll. will rise each yr. with annual intake of 150 students, until 1954–55, when student nos. will be approx. 600. For 1952–53, with 450 students, income excluding residential fees was approx. £150,000. Approx. percentages from different sources: Govt., 72 per cent.; Local Authorities, 18 per cent.; Fees, 10 per cent.

BOARDS OF STUDIES. Humanities: Sec., Prof. W. W. Chambers; Soc. Studies: Sec., Prof. B. R. Williams; Science: Sec., Prof. I. N. Sneddon. Facs. have not yet been instituted.

LIBRARY. Bldg. of Library started at end of 1949. Contains over 60,000 vols.

LABORATORIES. New labs. in sep. bldgs. are being erected for Phys., Chem., Biol. and Geog. The first stages have been completed and practical classes were held in all from Oct. 1952. Small Geol. Lab. in which present classes are held. New Geol. Lab. planned.

DEGREE COURSES. The Charter empowers the Coll. to grant its own degree of B.A. The first yr. of the 4-yr. course consists of a compulsory course of lectures identical for all students but with tutorial work adjusted to individual needs. This course is concerned with the heritage of civilization, present-day activities and the methods and influence of the experimental sciences. During the last 3 yrs., students must select not less than 5 subjects, which must include at least 1 from each of 3 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 Hons. where sufficient merit is shown. During these last 3 yrs., an educational dipl. course may be taken concurrently with the B.A. studies. This dipl. is recognized by the Ministry of Educn. A Social Studies dipl. may also be taken along with the normal B.A. studies.

Members of staff and postgrad. students of the Coll. may, under approved conditions, be accepted as candidates for the degrees of M.A. and Ph.D. of the Univ. of Birmingham.

ADMISSION. Ordinarily, candidates must be over 17, possess the normal Univ. entrance qualifications required by other U.K. Univs. and produce a satisfactory testimonial from their headmaster. Provision is made for the admission of adult students. *See also* Appendix I.

FEES. There is an inclusive fee of £40 p.a. covering matriculation, registration, Students' Union, tuition and all examn. fees. Graduation fee: £5 : 5s.

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

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 558.) 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 (*Telephone*: Silverdale 319) for women students and the Horwood Hall (*Telephone*: Silverdale 384 (Mr. Rayne) and 383 (Mr. Rolo)) for men students. *Address* (of both Halls): Univ. Coll. of N. Staffs., Keele, Staffs. Residential fees are £115 per session of 30 wks. Arrangements will be made for the admission of 150 first-yr. students each yr., of whom approx. two-thirds will be men.

STAFF RESIDENCES. It is intended to build residences for all teaching and some other staff. A Principal's Residence, 21 new houses, 15 bungalows and 4 lodges are available; 18 more houses under construcn.; two blocks of flats planned.

STUDENT HEALTH SERVICE. All students examined soon after admission by Coll. Medical Officer. A bldg. is set apart as a Sick Bay. Resident matron-nurse.

STUDENTS' UNION. Sep. bldg. available for Students' Union purposes. All students are members, the annual fee of £3 being included in the composite fee. 26 acres of playing fields laid out within the Estate should be ready for use in 1953.

PUBLICATIONS. *Prospectus* published annually.

## THE YEAR 1951–52

PRINCIPALSHIP. Lord Lindsay of Birker died on March 18, 1952. Professor F. A. Vick, Vice-Principal, apptd. Actg. Principal pending a new appt.

BUILDINGS. Refectory extended. First stages of Labs. for Biol. Chem. and Phys. completed and temp. Geol. Lab. extended. Educn. and Admin. blocks constructed. House and grounds bought for use as addtl. hostel. New women's hostel built.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 202 |
| Women | .. | 98 |
| Total | .. | 300 |

Postgraduate students, 4.

New admissions, 147.

Students from other countries, 4 (from Germany, Israel, Pakistan and U.S.A.).

[*Information compiled as at* 4/5/53 ;
*Staff list revised on* 30/9/53.]

# ST. DAVID'S COLLEGE, LAMPETER

Founded 1827

*Postal Address* : Lampeter, Cardiganshire, Wales.
*Telephone* : Lampeter 42.

VISITOR—THE LORD BISHOP OF ST. DAVID'S.

PRINCIPAL—Rev. J. R. LLOYD THOMAS, M.A. Oxon.

Profs.—*Classics*, H. A. Harris, M.A. Oxon. ; *Welsh*, Canon W. H. Harris, M.A., B.Litt. Oxon. ; *Hist.*, D. Dawson, B.A. Leeds, M.Litt. Camb. ; *Philosophy*, Rev. R. J. Tree, M.A. Wales, B.Litt. Oxon. ; *English*, S. C. Boorman, M.A. Lond. ; *Theology and Hebrew*, Rev. R. H. Fuller, M.A. Camb.

Lectrs.—Rev. F. J. T. David, M.A. Oxon. (*Hist. and Theol.*) ; F. R. Newte, M.A. Oxon. (*Classics*) ; Rev. T. A. Lewis, M.A. Oxon. (*Philos. and Theol.*) ; Rev. B. N. Y. Vaughan, M.A. Oxon. (*Theol.*) ; Rev. T. G. Davies, B.Sc., B.A. Wales (*Maths.*).

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 General Certif. of Educn. of any of the recognized British Examining Bodies, provided that the Certif. satisfies the conditions of the Coll. Matricn. Certif. ; (3) on passing the Coll. Matricn. examn. in a six-credit Matricn., incl. Engl. Language and either Latin or Maths., 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 (1952–53), 150.

DEGREES (1952) : B.A., 30 ; B.D., 1.

# *SCOTLAND*

[*Information compiled as at* 4/5/53 ;
*Staff list revised on* 30/9/53.]

## UNIVERSITY OF ABERDEEN*

Founded 1494

*Telegrams* : Aberdeen University.
*Telephone* (Secretary's Office) : Aberdeen 24367.

CHANCELLOR—The Rt. Hon. THOMAS JOHNSTON, C.H., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—THOMAS MURRAY TAYLOR, C.B.E., Q.C., M.A., D.D., LL.D.

RECTOR—JAMES KEITH O'NEILL EDWARDS, D.F.C., M.A. Camb.

SECRETARY TO THE UNIVERSITY—WILLIAM STEPHENSON ANGUS, M.A. Oxon., LL.B. Liv.

LIBRARIAN, CLERK AND REGISTRAR OF GENERAL COUNCIL—WILLIAM DOUGLAS 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.

Lecturers

Hamilton, G. F., B.Sc., M.B., Ch.B.
Fyfe, F. W., M.A., M.B., Ch.B.
McKenzie, J., M.B., Ch.B.
Purser, G. L., M.A. Camb. (Embryol.).
Duguid, I. M., M.B., Ch.B.
Abernethy, B. C., M.B., Ch.B.

Assistants

Cochran, W., M.B., Ch.B.
Webster, C. U., M.B., Ch.B.
Naylor, E. Radiol. Demr.

*Astronomy*

..... Lectr.

*Biblical Study*

..... Lectr.
Lillie, W., B.D. Glas., M.A., D.D. 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.
Matheson, N. A., B.Sc. Asst.

*Biology*, v. Nat. Hist.

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

*Botany*
Matthews, J. R., M.A. Edin., F.L.S. Reg. Prof.
Downie, Dorothy G., B.Sc., B.Sc. (For.) Edin., Ph.D. Chic. Reader.

Lecturers
Gimingham, C. H., M.A. Camb., Ph.D.
Stirling, J., D.Sc. St. And.

Assistants
Dodds, J. G., B.Sc.
Cusick, F., M.Sc., Ph.D. Manc.
Barkley, Sylvia Y., B.Sc. Lond.
Sommerville, Mrs. Alice H., M.A., B.Sc. Pt.-time Asst.

*Celtic and Comp. Philology*
Macdonald, J., M.A. Reader.
Mackenzie, Annie M., M.A. Lectr.

*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.

Lecturers
Humphries, J. E., B.A. Lond. and Camb., M.Sc. Wales, Ph.D. Lond., D.Sc.
Thomson, R. H., B.Sc., Ph.D. Leeds.
Moser, W., B.Sc. Lond.
Meares, P., M.A., Ph.D. Camb.
Bentley, K. W., M.A., B.Sc., D.Phil. Oxon.
Taylor, H. F. W., B.Sc., Ph.D. Lond.
Ford, M. C., M.A., B.Sc., D.Phil. Oxon.
Kington, G. L., B.Sc., Ph.D. Brist.

Assistants
Raitt, J. S., B.Sc.
Garden, Linda A., B.Sc.
Proctor, G. R., B.Sc.
Sammon, D. C., B.Sc.
Junior Research Fellow
.....

*Chemistry, Clinical*, v. *infra*, Med.

*Classics : Greek*
Cameron, A., M.A. Glas., B.A. Oxon. Reg. Prof.
Thomson, H., M.A. Oxon. (Mod. Gk.) Temp. Lectr.

*Classics : Latin*
Watt, W. S., M.A. Glas. and Oxon. Reg. Prof.

Lecturers
Raven, E. J. P., M.A. Camb.
Adam, J. W. L., M.A. St. And., B.A. Oxon.
Reece, D. W., M.A. Oxon.
Corbett, P. B., M.A. Sheff.

Assistants
Lawrence, G. A., M.A. Pt.-time Asst.
.....

*Divinity*, v. also Hebrew
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., Ph.D., D.D. Glas., D.Phil. Oxon. (Bibl. Crit.) Prof.
Cairns, D., M.A. Oxon., D.D. Edin. (Syst. T.) Pt.-time Lectr.

*Economic History*, v. Pol. Econ.

*Economics*, v. Pol. Econ.

*Education*
Walker, N. T., O.B.E., M.A., Ed.B., Ph.D. Glas. Reader.
Nisbet, J. D., M.A., B.Ed. Edin., Ph.D. Lectr.

*Engineering*
Allen, J., D.Sc. Manc. Jackson Prof.

Grassie, J. C., B.Sc (Eng.) Glas., D.Sc. (Civil and Forest E.) Reader.

Lecturers

Taylor, G. A., M.A., B.Sc., Ph.D. (Civil E.).

.....

Brebner, A., B.Sc. (Eng.), Ph.D.

Wright, W., B.Sc. (Eng.) Glas., Ph.D.

Prentis, J. M., M.Sc. (Eng.) Lond.

Part-time Lecturers

Wilkinson, E., B.Eng., Ph.D. Liv. (Elect. E.).

Edmond, A. D., B.Sc. (Eng.) Lond. (Mech. E.).

Hardie, A. M., M.A., B.Sc. (Eng.).

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.).

Watkins, R. D., B.E. Q'ld. Jr. Res. Fellow.

*English*

Bickersteth, G. L., M.A. Oxon. Reg. (Chalmers) Prof.

Robertson, A. Jane, M.A. St. And., Ph.D. Camb. (E. Lang.) Reader.

Lecturers

Lothian, J. M., M.A. Glas.

Walker, R. S., M.A. Aberd. and Camb. (E. Lit.).

Holloway, C. J., M.A., D.Phil. Oxon.

Keir, W. A. S., B.Litt. Oxon., M.A.

Michie, J. A., B.A. Oxon., M.A.

Assistants

Barron, W. R. J., M.A., B.Phil. St. And.

Forsyth, R.A., M.A. Natal.

Research Fellow

Murison, D. D., M.A. (Scot. Dialect).

*Fisheries and Oceanography*

Lucas, C. E., D.Sc. Lond. Hon. Res. Lectr.

*Fish Technology*

Reay, G. A., O.B.E., Ph.D. Camb., M.A., B.Sc. Hon. Res. Lectr.

*Forestry*, v. also Engin.

Steven, H. M., M.A. Oxon., B.Sc., Ph.D. Edin. Prof.

Laing, E. V., M.A., B.Sc. (For.), D.Sc. Reader.

McNeill, W. M., M.B.E., T.D., M.A., Dip. For. Oxon., M.S. Yale Lectr.

Davis, P. W., M.C., B.A., Dip. For. Camb. Lectr.

Varty, I. W., B.Sc. (For.) Asst.

Carlisle, A., B.Sc.For., B.Sc. Wales Res. Fellow.

*French*

Roe, F. C., Chev. Lég. d'H., M.A. Birm., L. ès L. Lyon, D. de l'U. Paris Prof.

Lecturers

Ritchie, R. L. G., Emer. Prof., O. Lég. d'H., D.Litt. Birm., M.A., D.Litt., LL.D.

Stoker, J. T., M.A. Leeds, D. de l'U. Paris

Abrioux, O. M., L. ès L. Paris, Ph.D.

Lucas, H. H., B.A. R'dg., D. de l'U. Stras.

Brown, A. W., M.A. Edin. Asst.

2 Pt.-time Assts.

*Geography*

O'Dell, A. C., M.Sc. Lond. Prof.

Fisher, W. B., B.A. Manc., D. de l'U. Paris Lectr.

Walton, K., M.A. Edin., Ph.D. Lectr.

Kirk, W., B.A. Lond. Lectr.
..... Asst.
Synge, F. M., B.A., M.Sc. Dub. (Cartographer) Asst.

*Geology*

Phemister, T. C., D.Sc. Glas., Ph.D. Camb., M.Sc. Chic., D. de l'U. Rennes Kilgour Prof.

Lecturers

Pringle, A. K., B.Sc. Glas.
Fraser, W. E., M.A., B.Sc.
Farquhar, O. C., M A. Oxon., Ph.D.
Bennison, G. M., B.Sc. Durh.
Tocher, F. E., B.Sc.

Assistant

Munro, M., B.Sc. St. And.

*German*

Witte, W., M.A. Lond., Dr. rer pol. Bres., Ph.D. Prof.
Barber, C. C., M.A. Oxon., D.Phil. Giessen Lectr.
Kenworthy, B. J., B.A. Brist., Ph.D. Lectr.
Brebner, Lilias W., M.A. Asst.

*Hebrew and Semitic Langs.*

Kennedy, Rev. A. C., M.A., D.D. Edin. Prof.
Gray, J., M A., B.D., Ph.D. Edin.

*History*

Sayles, G. O., M.A., D.Litt. Glas., F.R.Hist.S. Burnett-Fletcher Prof.

Lecturers

Henderson, J. M., M.A. Edin. (Brit. H.).
Edwards, Kathleen, M.A. Lond., Ph.D. Manc. (Med. H.).
Thornton, A. P., M.A. Glas., D.Phil. Oxon. (Br. Col. and Dom. H.).
Humphries, W. R., M.A. (Scottish H.).

Assistants

Macfarlane, L. J., B.A. Lond.
Milne, Doreen J., M.A. Glas., Ph.D. Lond.
Crowley, D. W., M.A. N.Z., Ph.D. Lond., Dip.Ed. N.Z.

*History and Philosophy of Science*

Wightman, W. P. D., M.Sc., Ph.D. Lond. Lectr.

*Italian*

Chandler, S. B., B.A., Ph.D. Lond. Lectr.

*Law*

Smith, T. B., M.A. Oxon. (Scots L.) Prof.
MacRitchie, F., M.A., LL.B. (Conveyancing) McLennan Prof.
Daube, D., Ph.D. Camb., Dr. jur. Gött. (Jurisprud.) Prof.
Smith, Joan, M.A., LL.B., Ph.D. Edin. Lectr.
Anton, A. E., M.A., LL.B. (Inter. Law) Lectr.
Stein, W. P. G., M.A., LL.B. Camb. Lectr.
Fackenheim, J., Dr. jur. Halle (Compar. L.) Pt.-time Lectr.
Hay, A. L., M.A., LL.B. (Procedure and Evidence) Pt.-time Clark Lectr.
Milne, A., B.L. Pt.-time Lectr.
Ellis, R. T., M.A., LL.B. Pt.-time Asst.
Ramsay, F., B.L. Glas. Pt.-time Asst.
Brown, W., B.L. Pt.-time Asst.

*Logic*

Cross, R. C., M.A. Glas. Reg. Prof.
Bednarowski, W., D.Phil. Cracow Lectr.
Mellor, W. W., B.A., B.Phil. Oxon. Asst.
Shorter, J. M., M.A. Oxon. Temp. Asst.

*Mathematics*

Wright, E. M., B.A. Lond., M.A., D.Phil. Oxon. Prof.

Lecturers

Macintyre, A. J., B.A., Ph.D. Camb.

Potter, H. S. A., M.A., D.Phil. Oxon.

Goddard, L. S., B.Sc. Syd., Ph.D. Camb.

Bowen, N. A., B.Sc. Lond., M.Sc. Wales, Ph.D.

Ponting, F. W., M.A. Oxon., Ph.D.

Macintyre, Mrs. Sheila, M.A. Edin., B.A. Camb., Ph.D.

Cockcroft, W. H., M.A., D.Phil. Oxon.

Marriott, F. H. C., B.A. Camb., Ph.D. (Stats.).

Assistants

Griffiths, H. B., M.Sc., Ph.D. Manc.

McDonald, I., M.A. Edin. (Stats.).

Sr. Research Fellow

.....

*Medicine*, v. *infra*

*Music*

Swainson, W., M.A., F.R.C.O. Reader.

Barrett-Ayres, R., B.Mus. Edin. Lectr.

Clark, Muriel, B.A., Mus.B. Camb. Asst.

*Natural History*

Wynne-Edwards, V. C., M.A. Oxon., F.R.S.C. Reg. Prof.

Neill, R. M., M.C., M.A. Glas., D.Sc. (Zool.) Reader.

Lecturers

Begg, C. M. M., Ph.D. Birm., M.A., B.Sc.

Orkin, P. A., B.Sc. McG., Ph.D.

Symmons, Saida, B.Sc. Leeds, Ph.D.

Assistants

Goodbody, I. M., B.A. Dub.

Forman, B., B.Sc.

Potts, W. T. W., B.A. Camb.

*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.

Hepburn, R. W., M.A. Asst.

*Philosophy, Natural*

Jones, R. V., C.B., C.B.E., M.M. (U.S.A.), M.A., D.Phil. Oxon., F.I.P., F.R.A.S. Prof.

Geddes, A. E. M., O.B.E., M.A., D.Sc. Reader.

Lecturers

Griffith, H. D., B.A. Camb.

Strachan, C., Ph.D. Camb., M.A. Aberd. and Camb. (Math. Phys.).

Holbourn, A. H. S., M.A. Edin., D.Phil. Oxon.

Stevenson, R. W. H., B.A. Oxon.

Landsberg, P. T., M.Sc., Ph.D. Lond. (Theor. Phys. and Appl. Maths.).

Duncanson, A., B.Sc. Edin. (Exper. Phys.).

Richards, J. C. S., B.Sc., Ph.D. (Electronics).

Jones, D. A., B.Sc. Wales, Ph.D.

Lindsay, D. D., M.A. Oxon.

Ansbacher, F., B.Sc., Ph.D. Lond.

McCombie, C. W., M.A., Ph.D.

Finlayson, D. M., B.Sc., Ph.D. St. And.

Sewell, G. L., B.A. Oxon., Ph.D. Lond. Temp. Lectr.

Stewart, J. D., M.A., Ph.D. Pt.-time Lectr.

Assistants

Smith, T., B.Sc., Ph.D. Leeds.

Malcolm, I., M.A., Ph.D.

Burfoot, J. C., M.A. Camb.

*Physiology*

Cruickshank, E. W. H., D.Sc. Lond., Ph.D. Camb., M.D. Reg. Prof.

Lecturers

Kosterlitz, H. W., M.D. Berl., Ph.D., D.Sc. (Human and Exper.).

Cuthbertson, D. P., M.D., D.Sc. Glas. (P. of Nutrit.) Hon. Res. Lectr.

Innes, I. R., M.B., Ch.B.

Pirenne, M. H. L., Dr. ès Sc. Liége, Ph.D. Camb. (Sp. Senses).

Denton, E. J., B.A. Camb., B.Sc. Lond., Ph.D. (Bio-phys.).

Taylor, D. W., M.B., Ch.B.

*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. Hist.) Lectr.

Noble, T. A. F., M.B.E., M.A. Lectr.

Munby, D. L., M.A Oxon. Lectr.

Campbell, R. H., M.A. Glas.

Macpherson, W. J., M.A. Asst.

Barker, T. C., M.A. Oxon., Ph.D. Manc. Jr. Res. Fellow.

*Politics*

Burns, J. H., M.A. Edin., Ph.D. (Pol. Theory) Lectr.

Frankel, J., M.L. Lwow, LL.M. W.Aust., Ph.D. Lond. (Internat. Relns.) Lectr.

*Psychology*

Knight, A. R., B.A. Syd., M.A. Camb. Anderson Prof.

McKellar, T. P. H., M.A. N.Z., Ph.D. Lond. Lectr.

Knight, Mrs. Margaret, M.A. Camb. Pt.-time Lectr.

Fraser, Elizabeth D., M.A., Ed.B. (Social Psychol.) Lectr.

Simpson, Mrs. Lorna M., M.A. Asst.

*Soil Science*

McArthur, D. N., C.B.E., D.Sc., Ph.D. Glas., F.R.I.C. Hon. Res. Lectr.

Williamson, W. T. H., Ph.D. Edin., B.Sc., F.R.I.C. Lectr.

Coutts, J. R. H., M.Sc. Lond., D.Sc. Natal Lectr.

Fitzpatrick, E. A., Ph.D. Asst.

Pringle, Joyce, B.Sc. (Agr.), Ph.D. Jr. Res. Fellow.

*Spanish*

May, T. E., M.A. Manc. Lectr.

Dunn, P. N., M.A. Lond. Lectr.

Montero, A. Pt.-time Asst.

*Statistics*, v. Mathematics

*Swedish*

Frykman, E., Fil. lic. Uppsala Lectr.

*Theology*, v. Divinity, *supra*

*Zoology*, v. Nat. Hist.

## Agriculture

(v. also Engin., and, *infra*, North of Scotland Coll. of Agr.)

..... Strathcona-Fordyce Prof.

Lecturers

Fraser, A. H. H., D.Sc., M.D. (Animal and Dairy Husb.).

Barnett, A. J. G., B.Sc., Ph.D. Edin. (Agr. Biochem.).

Smith, J. H., M.Sc. Wales (Agr. Econ.).

..... (Crop and Grassland Husbandry).

..... (Principles of Agric.).

Short, J. R. T., B.Sc. W.Aust., D.Phil. Oxon. (Agr. Zool.).

..... (Agr. Bacteriol.).

Faulks, P. J., M.A. Camb. (Agric. Bot.).

Donald, G., B.Sc. (Agr.) Pt.-time Lectr.

Assistants

Young, J. F., B.Sc. (Agr.).

Robertson, H. A., B.Sc., Ph.D. Edin. (Agr. Biochem.).

Part-time Assistants

Bain, R., B.Sc. (Agr.) Glas. Temp.

Dodsworth, T. L., B.Sc. (Agr.) Leeds, Ph.D.

Shiach, J. G., B.Sc. Agr., B.Sc. Eng.

Anderson, Mrs. Jeanette L., B.Sc., Ph.D. Edin. Jr. Res. Fellow.

*Veterinary Hygiene*

Grant, J. C. Pt.-time Lectr.

**Medicine**

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

*Anæsthetics*

..... Pt.-time Lectr.

*Bacteriology*

Cruickshank, J., C.B.E., M.D. Glas. Prof.

Lecturers

Menzies, R. F., M.B., Ch.B.

Fraser, K. B., M.C., M.D.

Stuart, Jean E., M.B., Ch.B.

Hamilton, W., M.B., Ch.B.

*Chemistry, Clinical*

Lyall, A., M.A., M.D., F.R.C.P. Pt.-time Lectr.

Bowman, W., M.A., B.Sc., M.B., Ch.B. Lectr.

Auld, W. H. R., M.B., Ch.B. Lectr.

Bett, Isobel M., B.Sc. Edin. Asst.

*Child Health*

Craig, J., M.B., Ch.B., F.R.C.P.Ed. Prof.

Clark, N. S., B.Sc., M.B., Ch.B., D.C.H. Lectr.

Fraser, M. S., M.B., Ch.B. Lectr.

Dobbie, Hazel, B.Sc. Asst.

Galloway, W. H., M.B., Ch.B. Edin. Pt.-time Asst.

*Children, Surgical Diseases of*

Part-time Lecturers

Bruce, G. G., M.B., Ch.B., F.R.C.S.

Davidson, S. G., M.A., M.B., Ch.B., F.R.C.S.

Logie, N. J., M.B., Ch.B., F.R.C.S.

*Dental Surgery*

Crombie, H. M., M.B., Ch.B., L.D.S. Pt.-time Lectr.

*Ear, Nose and Throat, Diseases of*

Collins, E. G., M.B., Ch.B., F.R.C.S.Ed. Pt.-time Lectr.

Part-time Assistants

McNaughtan, I. P. J., M.B., Ch.B., F.R.C.S.Ed.

Thomson, I. S. D., M.B., Ch.B., F.R.C.S.Ed.

Weir, C. D., M.B., Ch.B., F.R.C.S. Ed.

*Forensic Med. (incl. Med. Ethics)*

Richards, R., M.A., M.D., D.P.H., F.R.C.S.Ed. Pt.-time Lectr.

Rice, J. I., M.B.E., M.B., Ch.B. Pt.-time Asst.

*Materia Medica*

Campbell, Sir David, M.C., M.A., B.Sc., M.D., LL.D. Glas., F.R.F.P.S. Glas. Reg. Prof.

Morgan, T. N., M.D. Lectr.

*Medical Ethics*, v. Forensic Medicine, *supra*

*Medicine*

Fullerton, H. W., M.A., M.D., F.R.C.P. Reg. Prof.

Lecturers

Macleod, M., M.B., Ch.B.

Palmer, K. N. V., M.A., M.D. Camb.

Manson, Doris I., M.B., Ch.B.

Part-time Lecturers

Duthie, R. J., M.D. (Clin. Med.).

Gordon, I., O.B.E., B.Sc., M.B., Ch.B., F.R.C.S. (Clin. Med.).

Part-time Assistants

Gauld, W. R., M.D. (Clin. Med.).
Needham, C. D., M.D. Lond. (Clin. Med.).
Hobson, Mrs. Wendy J. A., M.B., Ch.B. Asst.

*Mental Health*

Millar, W. M., M.D., Dip.Psych. Edin. Crombie-Ross Prof.
Valentine, M. G., M.D. Lectr.
Wyllie, A. M., B.Sc., M.D. Glas., Dip.Psych. Edin. Pt.-time Lectr.
Milne, A., M.B.E., M.B., Ch.B. Pt.-time Lectr.
Drewery, J., M.A. Asst.

Part-time Assistants

Raitt, W. J., M.B., Ch.B.
Maclean, Helen C. S., M.B., Ch.B.

*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.
Lawson, J. G., M.B., Ch.B. St. And.
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.
Bernard, R. M., M.B., Ch.B. Pt.-time Asst.
Hytten, F., M.B., B.S. Syd. Sr. Res. Fellow.

*Ophthalmology*

Law, Beatrix B., M.A., M.D., D.O. Pt.-time Lectr.

Part-time Assistants

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.

Lecturers

Nairn, R. C., M.D., Ph.D. Liv.
Williams, A. W., M.D. Edin.
Stalker, A. L., M.B., Ch.B.
Shivas, A. A., M.B., Ch.B., D.P.H.
Way, S. P. B., M.D.
Richmond, H. G., M.B., Ch.B.
Duguid, Helen L. D., M.D.
..... Georgina McRobert Res. Fellow.

*Public Health and Infectious Diseases*

Berry, D. W., M.C., M.D., D.P.H. Reader.
Richardson, I. M., M.B., Ch.B. Edin. Lectr.

Part-time Lecturers

MacQueen, I. A. G., M.A., M.D., D.P.H. Edin.
Mitchell, Mabel E., B.Sc., B.L., M.D., D.P.H. Glas. (Mother and Child Welfare).
Doig, A. T., M.D., D.P.H. St. And. (Factory Hyg.).

Part-time Assistant

Chambers, W., M.D. Glas. (Infect. Dis.).

*Radio-Diagnostics*

Levack, D. P., C.B.E., T.D., M.B., Ch.B., D.M.R. & E. Pt.-time Lectr.

*Skin, Diseases of*

Anderson, T. E., M.D. Pt.-time Lectr.

*Surgery*

Wilson, W. C., M.B., Ch.B., F.R.C.S.Ed. Reg. Prof.
Wilkinson, A. W., Ch.M., F.R.C.S.Ed.

Burnett, W., M.B., Ch.B., F.R.C.S.

Part-time Lecturers

Gowar, F. J. S., M.B., B.S., F.R.C.S. (Thoracic S.).

Rennie, A. M., M.B., Ch.B., F.R.C.S. (Orthopædic S.).

Nichols, W. M., M.B.E., M.B., Ch.B. Glas., M.Sc. McG., F.R.F.P.S. Glas. (Neuro-S.).

Fowler, A., M.B., Ch.B., F.R.C.S. Ed. (Clin. Surg.).

Michie, W., M.B., Ch.B., F.R.C.S. Ed. (Clin. Surg.) Pt.-time Asst.

Philip, J. F., Ch.M., F.R.C.S.Ed. (Clin. Surg.) Pt.-time Asst.

*Tuberculosis*

Bell, D., M.D. Edin., D.P.H. Pt.-time Lectr.

Part-time Assistants

Mason, Anna T., M.B., Ch.B. Glas.

Fraser, R., M.D., D.P.H.

*Venereal Diseases*

Bowie, F. J. T., M.B., Ch.B., D.P.H. Pt.-time Lectr.

Caldwell, I. W., M.B., Ch.B. Pt.-time Asst.

**Gifford Lecturer in Nat. Theol.**

1953–54—Rev. P. J. Tillich, Ph.D., D.Theol. Halle, D.D. Yale.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Sec.: J. George, M.A. Camb. Asst. Sec. and Treasurer: W. J. A. Nelson. Med. Officer (Students' Health Service): A. H. Macklin, O.B.E., M.C., M.D. Manc. Chaplain: Rev. I. Pitt-Watson, M.A., B.D. Edin. Dir. of Physical Educn.: Lt.-Col. A. W. Brocks, M.B.E., M.C., M.A. Asst. to Dir. of Physical Educn.: Adele M. Mackinnon. Adviser to Women Students: Mrs. Ian Clarke. Matron of Medical Hall of Residence: Jean McAnish.

## ASSOCIATED COLLEGES

NORTH OF SCOTLAND COLLEGE OF AGRICULTURE. Principal—M. A. H. Tincker, M.A., D.Sc., F.L.S. Dir. of Studies: G. Donald, B.Sc. (Agr.). Sec.: H. Munro, 41½ Union Street, Aberdeen (*Telegrams*: Nosca, Aberdeen; *Telephone*: Aberdeen 27205). Lectrs.: *Agric., Principles of*, G. Donald, B.Sc. (Agr.); *Agr. Bot.*, D. Clouston, M.A., B.Sc. (Agr.), D.Sc.; *Agr. Chem.*, W. Moore, B.Sc. (Agr.), D.Sc.; *Agr. Engin.*, G. Murray, B.Sc. (Agr.); *Agr. Zool.*, D. Robertson, B.Sc. (Agr.), Ph.D., D.Sc.; *Bee-kpg.*, A. S. C. Deans, F.R.E.S.; *Hortic.*, J. S. Panton, M.A., B.Sc.; *Vet. Hyg.*, J. C. Grant; 8 Advisory Officers (Agric. Bacteriol., Animal Husb., Crop Husb., Entomol., Farm Bldgs., Grassland Husb., Mycol., Poultry Husbandry), 2 Agr. Economists, 1 Bee-kpg. Res. Officer, 1 Vet. Investig. Officer, 54 Assts., 1 Farm Manager, 2 Regional Dirs. of County Work, 16 County Agr. Advisers, 11 Asst. County Agr. Advisers, 2 Sr. and 13 County Advisers in Dairying and Poultry-kpg., 2 Asst. County Advisers in Dairying and Poultry-kpg., 7 Machinery Instrs.

Students (1952–53): Dipl. courses in Agric., Dairying and Poultry-keeping, 69; Planters' Certif. course, 9; Certif. course in Agric., 12; Craibstone Sch. of Rural Domestic Economy, 45. All students reading for non-Univ. qualifications.

ROBERT GORDON'S TECHNICAL COLLEGE, Schoolhill, Aberdeen (*Telephone*: Aberdeen 29384). Under the Aberdeen Educational Endowments Scheme, 1934, the Governors, in continuation and development of the Coll., provide, maintain, furnish, equip, administer and conduct schools of Engin., Maths. and Phys., Chem., Pharmacy, Navigation, Art (including Drawing, Painting, Des., Sculpture, Archit., Bldg. and Surveying), Dom. Sci., Comm., and such other subjects connected with educn. in sci., art and technol. as they think

fit. The School of Art is known as Gray's School of Art. The Court of the Univ. and the Governors of the Coll. co-operate in the provision of day courses leading to the degree of B.Sc. (Eng.) of the Univ. and to the Dipl. of Associateship of the Coll. in Engin.—Civ., Mech. and Electr. The courses in Mech. and Elect. Engin. are recognized under the schemes for the award of National Diplomas. Courses for Marine Engineers are provided in preparation for the examns. of the several grades of Certifs. of competency issued by the Ministry of Transport, including that for Extra-First Class. Evening courses in the higher branches of Civ., Mech., Electr., Automobile Engin., Naval Archit., Maths., Phys., Chem. and in Papermaking.

*Fees.* All fees for degree courses payable at the Univ. (v. p. 572). 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.*—Dir., A. C. West, B.Sc. St. And., Ph.D. Lond. *Archit.*, Hd. of School, E. F. Davies, B.Arch. Liv., F.R.I.B.A., F.R.I.A.S.; 5 Asst. Teachers. *Art*, Hd. of School, H. Adam Crawford; 2 Principal Teachers, 9 Asst. Teachers, 1 Attdt. *Chemistry*, Hd. of School, M. B. Watson, B.Sc. Aberd., Ph.D. R'dg.; Lectrs.: G. W. Youngson, B.Sc., Ph.D. Aberd.; A. Hunter, B.Sc.; J. Fowler; 1 Lab. Attdt.; 1 Asst. *Domestic Science*, Hd. of School, Annette G. Kelly; 3 Hds. of Depts.; 17 others; 1 Lab. Attdt. *Civil Engin.*, J. D. Robertson, B.Sc. (Eng.) St. And. *Electr. Engin.*, Hd. of Dept., E. Wilkinson, B.Eng., Ph.D. Liv.; Lectrs.: G. C. Colmar, B.Sc. (Eng.) Lond., L. F. Dorward, B.Sc. (Electr.) Lond., C. Hackney, B.Sc. (Eng.) Lond.; A. M. Hardie, M.A., B.Sc. (Eng.) Aberd.; 2 Lab. Mechanics; 1 Asst. *Mech. Engin.*, Hd. of Dept., A. D. Edmond, B.Sc. (Eng.) Lond., F.R.S.A.; Lectrs.: J. A. Chisholm, R. A. Hendrie, B.Sc. (Eng.) Lond., J. M. Corry, B.Sc. (Eng.) Lond.; R. Hosie, B.Sc. (Eng.) Aberd.; 2 Lab. Mechanics, 1 Asst. *Marine Engin.*, Lectrs.: C. Hay; E. T. Morgan, B.Sc. Wales; C. L. Robertson. *Maths. and Phys.*, Hd. of School, J. D. Stewart, M.A., Ph.D. Aberd.; Lectrs.: J. S. Morgan, M.A. Aberd., R. C. Angus, M.A. Aberd., E. Fanthorpe, B.Sc. Sheff.; 1 Lab. Mechanic; 1 Asst. *Naval Archit.*, H. J. Miller, B.Sc. *Navigation*, Hd. of School, C. R. Cameron, D.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.: G. R. Page, B.Sc., Nancy M. Rose, M.A., B.Sc. Aberd., W. R. L. Brown, B.Pharm. Lond., A. MacDonald, Sheila Wilson; 1 Lab. Attendant; 1 Asst.; Organizer of pt.-time classes, W. M. Templeton Mason, M.A., B.Sc.; Clerk and Treasurer, W. R. Murdoch.

Students (1952–53), 1700 (full-time, 516; pt.-time, 1184).

## GENERAL INFORMATION

The " University and King's College of Aberdeen," founded under a Papal Bull in 1494, and the " Marischal College," founded in 1593 by George Keith, Earl Marischal, were reconstituted in 1860 as " The University of Aberdeen." Certain of the original bldgs. remain, notably the Chapel (A.D. 1500). The Univ. is incorporated under the Universities (Scotland) Act, 1889.

The Depts. accommodated within *King's College*, Old Aberdeen, belong to the Facs. of Arts and Div. The classes in the Fac. of Law, and the Depts. of Psychol., Geog. and Educn., are accommodated within the reconstructed St. Mary's Church, Old Aberdeen. The Bot. and Forestry Depts. occupy adjacent bldgs. also in Old Aberdeen. In *Marischal College*, the Depts. accommodated belong mainly to the Facs. of Sci. and Med. (1st-, 2nd- and 3rd-yr. subjects). At Foresterhill, in close proximity to Aberdeen Royal Infirmary,

the Maternity Hosp. and the Royal Aberdeen Hosp. for Sick Children, are the Univ. Medical Bldgs. in which are accommodated all classes from the 4th yr. onwards.

The LIBRARY, founded in 1494, has 345,640 vols. and 200 incunabula, some unique. It is especially rich in Celtic lit., and bks. bearing on the hist., topog. and antiquities of the Scottish Highlands, and Classical Archæol. It also contains the McBean Jacobite collection, reputed to be the largest in the world outside the British Museum. Annual budget more than £15,000.

MUSEUMS. Anthropological, Pathological (600 specimens), etc.

RESEARCH. Besides the usual labs. there is the Rowett Institute of Research in Animal Nutrition, Bankhead, nr. Aberdeen (*Telephone*: Bucksburn 7), with depts. of Physiol., Biochem., Bacteriol., and Pathol., and attached Animal Husb. section for practical experiments in feeding, etc. It is under the management of a jt. cttee. of the Univ. and the N. of Scotland Coll. of Agric. There is also the Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen (*Telephone*: Aberdeen 33223).

TEACHING HOSPITALS. Hosps. available for clinics: Infirmary, 550 beds; Woodend Hosp., 340; Children's, 150; Fever, 300; Mental Hosp., 900; Maternity Hosp., 111; Ophthalmic Institution, average 7000 out-patients annually.

FACULTIES AND DEANS. *Arts*, Prof. H. Hamilton (Pol. Econ.); *Divinity*, Prof. G. D. Henderson (Church Hist.); *Law*, Prof. F. MacRitchie (Conv.); *Medicine*, Prof. Sir David Campbell (Mat. Med.); *Science*, Prof. V. C. Wynne-Edwards (Nat. Hist.).

ACADEMIC YEAR. Three terms: Winter (Oct.-Dec.), Spring (Jan.-Mar.) and Summer (April-June).

ADMISSION. *See* Appendix I. Persons wishing to attend classes as private (non-graduating) students may do so only with the approval of the appropriate Departmental hd., and on payment of the necessary class and matric. fees.

DEGREES, ETC. M.A. Ord., B.Sc. Ord. (Pure Science), B.Sc. Ord. in Agric., in Engin., B.Sc. in Forestry, B.L., 3 yrs.; M.A. Hons., B.Sc. Hons., B.Sc. Hons. in Agric., in Engin., 4 yrs.; M.B., Ch.B., 6 yrs.; Ed.B., 2 yrs. after 1st degree; B.D., 3 yrs. after 1st degree; LL.B., 3 yrs. after 1st degree, which must be Arts degree.

Higher degrees: Ph.D., normally 3 yrs., which may be reduced to 2 yrs. if previous training and experience of candidate warrant it; D.Litt., 5 yrs. after M.A. Hons.; D.Sc., 5 yrs. after graduation; M.D. or Ch.M., 1 yr. after M.B., Ch.B., candidate must be at least 24 yrs. old. The D.D. and LL.D. are honorary only.

A Diploma is conferred in Public Health (D.P.H.).

FEES. Matricn., 2½ gs. p.a. Class (Tuition) fees: M.A. (with Hons. in Maths. and Nat. Philos.), 90 gs.; M.A. (with Hons. in groups other than Maths. and Nat. Philos.), 76 gs.; M.A. (Ord.), 57 gs.; Ed.B., 46 gs.; B.Sc. (Pure Sci., Agric., For. and Engin.), 114 gs.; B.Sc. (with Hons. in Maths.), 90 gs., (with Hons in subjects other than Maths.), 127 gs.; B.Sc. Agr. (Hons.), and B.Sc. Eng. (Hons.), 127 gs.; B.D., 51 gs.; LL.B., 52 gs.; B.L., 42 gs.; M.B., Ch.B., 225 gs. The total cost of the whole med. curriculum, including class, matricn. and degree fees, is usually about £300. Degree: M.A., 11½ gs.; Ed.B., 13 gs.; B.Sc., 13 gs.; B.D., 11½ gs.; B.L., 11½ gs.; LL.B., 13 gs.; M.B., Ch.B., 37 gs.; Doctorates from 15 to 20 gs. The class and examn. fees for the D.P.H. are £67 : 4s.

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

RESIDENCE. List of lodgings published by Students' Representative Council. Lodgings cost from £2 : 10s. upwards per wk. There is a Hall of Residence for Med. Students in which residence is compulsory for 16 wks. during the final yr. of study. A fee—at present £48—is payable in respect of the compulsory period of residence.

APPOINTMENTS. There is no Appts. Cttee., but advice is given by a member of the Admin. Staff as to preparation for entrance to various Govt. Services and other appts. All communications to be addressed to *The Secretary to the University*.

PHYSICAL WELFARE OF STUDENTS. There is a Dir. of Phys. Educn., with a woman Asst. for women students.

MEDICAL EXAMINATION OF STUDENTS. There is a Medical Officer for the voluntary examn. of all students in Facs. other than Med., where examn. is compulsory.

ADVISER TO WOMEN STUDENTS. Mrs. Ian Clarke.

ADULT EDUCATION AND VACATION COURSES. Adult Educn. Classes under the Adult Education (Scotland) Regulations, 1934, are conducted in Marischal Coll. in conjunction with the Educn. Cttee. of Aberdeen Town Council. Classes under the regulns. for the Kilgour (Mechanics Institution) Lectures are conducted under similar auspices. No Vacation Courses are held within the Univ.

ALUMNUS ASSOCIATION. All Grads. and Alumni of the Univ. are eligible for membership of the Aberdeen University Alumnus Association. Particulars may be had from the Sec., L. J. Smith, M.A., LL.B., 9 Bonaccord Square, Aberdeen.

UNIVERSITY MILITARY AND AIR FORCE FORMATIONS. There is a contingent of the Univ. Training Corps (T.A.) attached to the Univ. (C.O., Lt.-Col. T. B. Smith); the contingent has Infantry, Engineer, Medical and Signals sections with a Perm. Staff of officer and other rank Instrs. There is also a Squadron of the Royal Auxiliary Air Force attached to the Univ. (C.O., Sqn. Ldr. J. R. Forsythe, D.F.C.). H.Q. of both Formations is situated at Powis Gardens, Old Aberdeen; membership is voluntary, and is confined to Matriculated Students of the Univ.

ATHLETIC ACTIVITIES. There are playing fields at King's Coll. of approx. 22 acres. Membership of Aberdeen Univ. Athletic Assocn. is open to all Matriculated Students on payment of a fee, as is membership of the affiliated clubs (football, cricket, swimming, etc.). At King's Coll. there is a modern well-equipped swimming pool, and squash courts, etc.

STUDENTS' UNION. All students on Matricn. become members of the Students' Union without further fee. The Union has a large hall (with stage and full stage equipment), billiards room, music room, reading rooms and spray baths, as well as snack bars and dining-rooms.

PUBLICATIONS. *Calendar* (Oct.), 10s. 9d.; *Univ. Review*, 7s. 6d. p.a. (3 issues); *Students' Handbook and Diary* (Nov.), 2s.; *Alma Mater* (organ of S.R.C.).

UNIVERSITY PRESS. Aberdeen University Press, Ltd., 6 Upperkirkgate, Aberdeen. (Joint Managing Directors: D. C. Duncan and H. M. R. Watt, M.A.)

## THE YEAR 1951–52

BENEFACTIONS. Late Dr. J. B. Crombie, £90,063, bequest to form fund for entertainment of Univ. Guests, and for General Purposes; late Dr. J. W. Myers, £40,000, bequest for support of Fac. of Med.; Carnegie Trust, Edinburgh, £12,730, for various purposes; late A. E. Clyne, £5755, bequest for purposes of Agric. Educn. or Res.; I.C.I., Ltd., £2500, 3rd instalment of grant towards cost of Foundation of Lectureship in Hist. and Philos. of Sci.; Nuffield Foundation, £2000, 3rd annual donation towards cost of investigation into econ. of starting a family; Mrs. Isabel McWillie, £1000, to found the J. G. McWillie Prize in Physiol. and Biochem. and to form a fund for necessitous students; late G. Collie, £557, residue of estate to found bursaries in any Fac.; Dr. J. A. Ross, £143, final instalment of donation towards cost of foundation of Chair of Child Health; trustees of John Gordon's Charitable Fund, Aberdeen, £100, further donation towards cost of foundation of Lectureship in Biblical Study.

NEW BUILDINGS. New Chem. Bldgs. opened which accommodate Depts. of Chem., Agric. Biochem., Soil Sci. and Students' Health Service. At King's Coll. Playing Fields, 2 addtl. hard (all-weather) tennis courts laid.

NEW POSTS. Chairs of German, Jurisprudence and Geog.

CHANGES IN REGULATIONS. *Degree of M.A.*: Scottish Hist. added to list of graduating subjs.; Adv. course in British Hist. instituted; German-Swedish added to list of Groups in which Hons. may be taken. *Degree of B.D.*: Completely revised regulns. approved for institution in Oct. 1952. *Degree of B.Sc. (Agr.)*: Regulations governing award of Degree with Hons. revised so that Hons. may now be awarded in Bot., Zool., Agric. and in Econ. in relation to Agric. *Degrees of M.B., Ch.B.*: From Oct. 1952 candidates for first M.B., Ch.B. Degree Examns. in Biol., Phys. and Chem. must enter for examns. in all subjs. together.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. W. A. Pantin, Oxon., "Mediæval University Life, illustrated by Contemporary Students' Letters"; Emer. Prof. Sir Godfrey H. Thomson, Edin., "The Progress and Present Aspects of Educational Science"; W. C. Kneale, Oxon., "The Beginnings of Logic"; Prof. M. Born, Edin., "Physical Reality"; Prof. W. Croft Dickinson, Edin., "The Administration of Justice in Mediæval Scotland"; Prof. F. Bull, Oslo, "The Dramas of Ibsen"; Emer. Prof. C. H. Dodd, Camb., "The 'Mysticism' of the Fourth Gospel."

RETIREMENT. H. J. Butchart, Secretary, Factor and Law Agent to Univ. since 1919.

RESIGNATIONS. Prof. P. S. Noble (Humanity), apptd. Principal, King's Coll., Lond.; Dr. R. Carrick (Nat. Hist.), apptd. to C.S.I.R.O., Canberra; Rev. A. A. McArthur (Chaplain), apptd. Minister, Old Church, Peterhead; Dr. S. Rose (Int. Relats.), apptd. to post with the Labour Party; Dr. S. Jamieson (Agr. Bacteriol.), apptd. to Govt. post in Australia; M. P. McDiarmid (Engl.), apptd. to Lectureship, Belf. U.; Dr. J. M. C. Thompson (Chem.), apptd. to post with I.C.I.; Dr. J. Watt (Pathol.), apptd. to Lectureship at Liv. U.

HONORARY DEGREES. *D.D.*—Rev. C. S. Duthie, Principal of Scottish Congregational Union; Rev. A. I. Pirie, Clerk to Presbytery of Edin.; Rev. D. A. Rothnie, Church of Scotland Missionary at Lucea, Jamaica. *LL.D.*—W. M. Alexander, Author and Journalist; N. H. D. Bohr, Prof. of Theoretical Phys., Copenhagen U.; Lt.-Col. H. J. Butchart, Sec., Factor and

Law Agent to Univ. since 1919 ; H. Butterfield, Prof. of Mod. Hist., Camb. U. ; J. Ritchie, Prof. of Nat. Hist., Edinburgh U. ; J. W. Robertson, Headmaster of Central Sec. Sch., Aberdeen ; Col. H. E. Shortt, Prof. of Med. Protozool., Lond. U. ; D. L. Thomson, Prof. of Biochem., McGill U.

STUDENT NUMBERS.*

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 99 | 1377 |
| Women | 24 | 515 |
| Total | 123 | 1892 |

Postgraduate students, 115 (95 men ; 20 women).

New admissions, 490 (344 men, 146 women).

Students (full-time) from other countries, 45. (Countries from which largest numbers came : British W. Indies, 7 ; British E. Africa, 5 ; British W. Africa, 5 ; Cyprus, 4 ; Egypt, 4 ; Anglo-Egyptian Sudan, 3.)

DEGREES CONFERRED. *Arts* : Ph.D., 4 ; M.A. (Hons.), 74 ; M.A. (Ord.), 108 ; Ed.B. (Hons.), 4 ; *Sci.* : Ph.D., 26 ; B.Sc. (Hons.), 42 ; B.Sc. (Ord.), 39 ; B.Sc. (Agr.) (Hons.), 3 ; B.Sc. (Agr.) (Ord.), 20 ; B.Sc. (For.), 12 ; B.Sc. (Eng.) (Hons.), 9 ; B.Sc. (Eng.) (Ord.), 29 ; *Div.* : Ph.D., 1 ; B.D., 5 ; *Law* : Ph.D., 1 ; LL.B., 11 ; B.L., 6 ; *Med.* : M.D. (Comm.), 1 ; M.D. (Ord.), 2 ; Ph.D., 1 ; M.B., Ch.B. (Hons.), 3 ; M.B., Ch.B. (Comm.), 3 ; M.B., Ch.B. (Ord.), 111.

DIPLOMAS CONFERRED. *Arts* : Dipl. in Educn., 10 ; *Med.* : Dipl. in Pub. Hth., 4.

* These figures relate to *matriculated* students only.

[*Information compiled as at* 23/6/53.]

# UNIVERSITY OF EDINBURGH*

Founded 1583

*Telephone*: Edinburgh 41001.

CHANCELLOR—H.R.H. THE DUKE OF EDINBURGH, K.G., K.T., LL.D. Edin. and Wales, F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—Sir EDWARD V. APPLETON, G.B.E., K.C.B., M.A., Hon. Sc.D. Camb., Hon. D.Sc. Oxon., Brussels, Leeds, Syd., Hon. LL.D. Aberd., Birm., St. And., Lond., Glas., Liv., D.Sc , 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. Lectr.

*Actuarial Science*

Lecturers

Ross, A. F., F.F.A.
Hume, J. S., M.A., 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.
Wells, L. H., M.B., B.Ch., D.Sc. Sr. Lectr.

Lecturers

Craig, R. C., M.B., F.R.C.S.Ed.
Taylor, H. W. Y., M.A., B.Sc., M.B., Ch.B.
Barrett, Helen S., M.B., Ch.B.
Robertson, D., M.B., Ch.B., F.R.C.S.Ed.
Romanes, G. J., B.A., Ph.D. Camb., M.B., Ch.B. (Neuro-anat.).
Dick, I. L., M.D., Ch.M., F.R.C.S.Ed. (Appl. A.).
Jackson, C R. S., M.A., M.B., F.R.C.S.Ed.
Muir, A. R., M.D.
8 Assts. (Appl. A.).

*Anatomy, Comparative* (Veterinary)

Grahame, T., F.R.C.V.S. Reader.

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

*Anthropology*

Little, K. L., M.A. Camb., Ph.D. Lond. (Social A.) Reader.
Littlejohn, J. Lectr.
Collins, S. F., M.A., Ph.D. Lectr.
6 Assistants.

*Arabic*

Watt, W. M., M.A., M.Litt. Oxon., M.A., Ph.D. Reader.
Cachia, P. J. E., B.A. Ames, Ph.D. Lectr.

*Archæology, Classical*

Gough, M., M.A. Camb. Lectr.

*Archæology, Prehistoric*

Piggott, S., B.Litt. Oxon., F.S.A. Abercromby Prof.
Atkinson, R. J. C., M.A., F.S.A. Lectr.
1 Asst.

*Architecture*

Matthew, R. H., C.B.E. Prof.
Cowan, R. Lectr.

*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., M.A. Camb. Lectr.

*Banking*

Lockie, J. H., B.L. Glas. Bruce Lectr.

*Biblical Studies*

Stalker, Rev. D. M. G., M.A., B.D. Lectr.

*Bibliography*

Sharp, L. W., Ph.D. Camb., M.A. Lectr.

*Biology*, v. Nat. Hist.

*Botany*, v. also Forestry

Smith, Sir W. Wright, D. ès Sc. Toulouse, LL.D. Aberd., M.A., F.R.S., F.L.S. Reg. Prof.
Nelson, A., B.Sc. Glas., Ph.D., D.Sc. Reader.

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., F.L.S.

*Celtic Languages, etc.*

Jackson, K. H., M.A. Camb., M.A. Harv. Prof.
Matheson, Rev. W., M.A. Lectr.
Macaulay, F. E. G., M.A. Asst.

*Chemistry*

Kendall, J. P., M.A., D.Sc., F.R.S. Prof.
Ritchie, M., D.Sc., Ph.D., F.R.I.C. Reader.

Lecturers

Beevers, C. A., D.Sc. Liv., F.I.P.
Bolam, Mrs. Mary R., B.Sc., Ph.D.
Bolam, T. R., M.Sc. Brist., D.Sc.
Miller, Christina C., D.Sc., Ph.D.
Campbell, N., D.Sc., Ph.D.
Taylor, D., B.Sc., Ph.D.
Aspinall, G. O., B.Sc. Brist.
Magee, R. J., M.Sc. Belf.
Percival, Mrs. E. E., B.Sc. Birm., Ph.D.
Haynes, L. J., B.Sc., Ph.D.
Manners, D. J., B.A., Ph.D.
Stafford, W. H., B.Sc., Ph.D.
Greenwood, C. T., B.Sc., Ph.D.
6 Assts.

*Chemistry in relation to Medicine*

Marrian, G. F., D.Sc. Lond., F.R.S., F.R.I.C. Prof.

Readers

Stewart, C. P., M.Sc. Durh., Ph.D.

Stedman, E., B.Sc. Lond., Ph.D., F.R.S.

Lecturers

Stedman, Mrs. Ellen, M.Sc. Lond.
Grant, J. K., B.Sc., Ph.D.
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., M.D., C.M. McG.
Roy, A., B.Sc., Ph.D.
Cruft, H. J.
Boyd, G. S., Ph.D.
11 Assistants.

*Chemistry, Organic*

Hirst, E. L., M.A., B.Sc., Ph.D. St. And., D.Sc. Birm., M.Sc. Manc., F.R.I.C., F.R.S. Prof.

*Chemistry, Technical*

Lecturers

Wilson, D. M., B.Sc., Ph.D. Glas.
Jones, E. L., B.Sc. Wales.

*Classics : Greek*

Beattie, A. J., M.A. Aberd. Prof.
Coxon, A. H., M.A. Oxon. Lectr.
Dunbar, Nan V., M.A. Lectr.

*Classics : Latin*

Grant, M., O.B.E., M.A. Camb. Prof.

Lecturers

Potter, K. R., M.C., M.A. Oxon.
Smith, W. K., M.A. Camb.
Wellesley, K., M.A. Camb.
Bishop, J. H., M.A. Camb.

*Commerce, and Organization of Industry*, v. also Acc., Banking

Hunt, N. C., B.Com. Lond., Ph.D. Prof.
Redfern, J., B.Com. Lectr.
1 Asst.

*Commercial and Polit. Econ. and Merc. Law*, v. also Law

Gray, Sir Alexander, C.B.E., M.A. Prof.

Lecturers

Birnie, A., M.A. (Econ. Hist.) Sr. Lectr.
Marwick, W. H., M.A. (Econ. Hist.).
Smith, Innes, M.A.
Wright, L. C., B.A. Wales, Ph.D.
Heughan, Hazel, M.A.
2 Assts.

*Cytology*, v. Nat. Hist.

*Divinity*, v. also New College, p. 591

Baillie, Very Rev. J., LL.D. Muhlenberg, D.D. Yale and Prin., S.T.D. Dickinson, M.A., D.Litt., D.D. Prof.
Burleigh, Rev. J. H. S., B.Litt. Oxon., D.D. Aberd., M.A., B.D. (Eccl. Hist.) Prof.
Black, Rev. M., M.A., B.D., D.Litt. (Biblical Criticism and Bib. Antiq.) Prof.
Torrance, Rev. T. F., M.B.E., D.D. McG. and Presbyt. Coll., Montr., D.Theol. Basle, M.A., B.D. (Christian Dogmatics) Prof.
Rankin, Rev. O. S., D.D. Glas., M.A., B.D., D.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., D.D. (Christian Ethics and Practical Theol.) Prof.
Duthie, Rev. C. S., M.A., B.D. Aberd. Lectr.
Smith, Rev. J. W. D., M.A., Ed.B. Glas., B.D. Lectr.
1 Asst.

*Economics*, v. Comm. and Pol. Econ.

*Education*

Pilley, J. G., M.A. Prof.

Lecturers

Mowat, G., M.A., B.Ed.

Lothian, A. J. D., M.A. Oxon., M.A., F.R.Ps.S.
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.
Wolstencroft, H. P., M.C., B.A.
Walsh, W., M.A.
9 Assts.

*Engineering*

Arnold, R. N., M.S. Ill., 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).
Dudgeon, W., B.Sc.
Warburton, G. B., M.A. Camb., Ph.D.
Farvis, W. E. J., B.Sc. Lond.
Hunter, W. B., B.Sc.
Zienkiewicz, O. C., B.Sc., Ph.D. Lond.
Fishwick, W., M.A., Ph.D. Camb.
Robson, J. D., M.A. Oxon.
Melvin, H. M., M.A. Oxon.
MacLean, T. G. M., B.Sc.
Patten, T. D., B.Sc.
Vincent, C. H., M.Sc.
3 Assts.

*English Language and General Linguistics*

McIntosh, A., M.A. Oxon., A.M. Harv. Prof.

Lecturers

Schram, O. K., M.A. Wales, Ph.D. Camb.
Samuels, M. L., M.A. Oxon.
Palsson, H., B.A. Dub. (Scandinavian) Lektor.
1 Asst.

*English Lit. and Rhetoric*

Renwick, W. L., M.A., D.Litt. Glas., B.Litt. Oxon., D. ès L. Bordeaux, F.B.A. Reg. Prof
Clark, A. M., D.Phil. Oxon., M.A., D.Litt. Reader.

Lecturers

Paxton, K. D., M.A.
Maynard, Winifred A., B.A. Durh., B.Litt. Oxon.
Prudhoe, J., M.A. Camb.
Butter, P. H., M.A.
6 Assts.

*Entomology*, v. *infra*, Agric.

*Forestry*, v. *infra*, Agric.

*French and Romance Philol.*

Orr, J., M.A., B.Litt. Oxon., D.Litt. Manc., L. ès L. Paris, F.B.A. Prof.
Legge, M. Dominica, M.A., B.Litt. Oxon. Reader.

Lecturers

Steele, A. J., M.A.
Clark, J. G., D. de l'U Paris.
Barnwell, H. T., M.A.
McMillan, D., B.A., Ph.D. Lond. (Romance Philol.).
17 Assts.

*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.
Robertson, C. J., Ph.D. Lond., M.A., B.Sc.
Macgregor, D. R., M.A. Aberd.
6 Assts.

*Geology*

Holmes, A., D.Sc. Lond., F.R.S. Reg. Prof.

Campbell, R., M.A., D.Sc. (Petrol.) Reader.

Lecturers

McIntyre, D. B., Ph.D. (Econ. Geol.).
Cockburn, A. M., B.Sc., Ph.D.
Craig, G. Y., B.Sc. Glas.
Clark, R. H., M.Sc. N.Z., F.G.S.
Black, G. P., B.Sc.
1 Asst.

*German and Teutonic Philol.*

Mason, E. C., B.A. Oxon., M.A. Camb., Ph.D. Leipzig Prof.
Barker, Marie L., Ph.D. Res. Fellow and Lectr.
Silber, Kathe, Ph.D. Berl. Lectr.
Wardale, W. L., M.A. Liv. Lectr.
George, E. F., M.A. Oxon. Lectr.
2 Assts.

*Hebrew and Semitic Langs.*

Porteous, Rev. N. W., M.A. Oxon., D.D. St. And., M.A., B.D. Prof.
1 Asst.

*Hispanic Studies*

Walton, L. B., B.A. Lond., M.A., B.Litt. Oxon. Reader.
Crosland, Margaret, B.A. Camb. Lectr.
1 Asst.

*History*, v. also Comm. and Pol. Econ., Div.

Pares, R., C.B.E., M.A. Oxon., F.B.A. Prof.

Lecturers

Horn, D. B., M.A., D.Litt.
Hay, D., M.A. Oxon. (Mediæval and Gen. European H.).
Shepperson, G. A., M.A. Camb.
Kiernan, V. G., M.A. Camb.
Duncan, A. W. McB., M.A.
3 Assts.

*History, Ancient (Gk. and Roman)*

Cadoux, T. J., M.A., D.Phil. Oxon. Lectr.

*History, Ancient, and Palæog.*

Dickinson, W. C., M.C., M.A., Ph.D. St. And., D.Lit. Lond. Prof.
Donaldson, G., Ph.D. Lond., M.A. Lectr.
1 Asst.

*History, Const., and Const. Law*

Keith, E. J., M.A., LL.B. Lectr.
Stewart, E. G. F., M.A., LL.B. Asst.

*Italian*

Rossi, M. M., M.A. Florence, Ph.D. Rome Lectr.
1 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., M.A. Oxon.
Palmer, D. G., M.A. Camb.
Brown, L. M., M.Sc. Brist., Ph.D. St. And. (Tech. Maths.).
Mackenzie, G., B.Sc. St. And. and Lond. (Tech. Maths.).
Lawley, D. N., M.A. Camb., D.Sc. (Statistics).
Fulton, J., M.A., Ph.D. Glas.

*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*

Swann, M. M., M.A., Ph.D. Prof.

Lecturers

..... (Helminthol.).
Friend, G. F., M.A. Oxon., B.Sc. Brist. (Cytology and Exp. Zool.).
Steven, D. M., M.A., D.Phil. Oxon., A.M. Harv.
Jones, B. M., B.Sc. Wales.
Tuft, P. H., M.A., Ph.D. Camb.
Hale, L. J., B.Sc., Ph.D. Lond.
Kettle, D. S., D.Sc. Lond.
Kille, R. A., B.Sc
Rayski, C., B.Sc.
Warwick, T., M.Sc
Mitchison, J. M.
5 Assts.

*Palæontology*, v. Geol.

*Persian*

Elwell-Sutton, L. P., B.A. Lectr.

*Petrology*, v. Geol.

*Philosophy*

Ritchie, A. D., M.A. St. And. and Camb. Prof.
Allan, D. J., M.A. Oxon. (Ancient P.) Reader.

Lecturers

Sinclair, W. A., O.B.E., M.A.
Fairweather, A. M., S.T.M. N.Y., M.A.
2 Assts.

*Philosophy, Moral*, v. also Psych.

Macmurray, J., M.C., M.A. Glas., M.A. Oxon. Prof.

Lecturers

Bedford, E., B.A. Lond.
Heath, P., B.A. Oxon.
Broadie, F., M.A., Ph.D.
4 Assts.

*Philosophy, Natural*

Feather, N., B.A., Ph.D. Camb., B.Sc. Lond., F.R.S. Prof.
Remmer, N., M.A., Ph.D. Tait Prof.
..... Reader.
Evans, G. R., M.Sc., Ph.D. Sr. Lectr.

Lecturers

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, N., B.Sc., Ph.D. Lond.
Brown, A. F., M.A., Ph.D.
McInally, M., B.Sc.
4 Assts.

*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.

Readers

Eggleton, P., D.Sc. Lond.
Pickford, Mary, M.Sc. Lond.

Lecturers

Dewar, A. D., B.Sc., Ph.D. Lond.
Hebb, Catherine O., M.A. Dal., Ph.D. McG.
Watt, J. A., B.A. Oxon., M.B., Ch.B.
Collin, R., M.Sc., M.B., B.S. Syd.
Paintal, A. S., M.B., B.S., M.D. Luck.
Walsh, E. G., M.A., B.M., B.Ch., B.Sc. Oxon., M.D. Harv.
Draper, M. H., M.B., B.S.

Iggo, A., B.Sc.
Swan, A. A. B., B.Sc., M.B., Ch.B.

*Pol. Econ.*, v. Commercial and Pol. Econ.

*Political Science*
Nobbs, D., M.A. Camb. Lectr.

*Psychology*
Drever, J., M.A. Prof.
Lecturers
Collins, Mary, M.A., B.Ed., Ph.D., F.B.Ps.S.
Semeonoff, B., M.A., B.Ed., Ph.D., F.B.Ps.S.
McKenzie, R. M., M.A.
McMahon, D., M.A. Durh.
Cookson, Joyce, M.A.
6 Assts.

*Rhetoric*, v. English Lit.

*Russian*
Ward, D., B.A. Camb. Lectr.
1 Asst.

*Sanskrit and Comp. Philol.*
..... Reg. Prof.
Allan, J., M.A., LL.D., F.B.A., F.S.A. Lectr.

*Semitic Langs.*, v. Hebrew

*Social Study*
Lecturers
Brown, Marjorie A., M.A.
Gregor, Mary J. F., B.Sc., Ph.D.
Browne, Margaret, B.A. Lond.
Burns, T., B.A. Brist.
Richmond, A. H., M.A., B.Sc.
2 Assts.

*Statistics*, v. Mathematics

*Theology*, v. Divinity

*Turkish*
Walsh, J. R., B.A. Lectr.

*Urdu*
Lokhandwalla, S. T., D.Phil. Oxon., M.A., LL.B.

*Veterinary Studies*, v. *infra*

*Zoology*, v. Nat. Hist.

**Agriculture and Forestry**
(v. also Bot., Engin.)

*Agricultural Bacteriology*
Gibson, T., D.Sc. Lectr.

*Agricultural Chemistry*
Smith, A. M., Ph.D., D.Sc., F.R.I.C. Lectr.

*Agriculture and Forest Entomol.*
Lecturers
McHardy, J. W., B.Sc.
Guild, W. J., Ph.D. Lond., B.Sc.

*Agriculture and Rural Economy*
Watson, S. J., D.Sc. Durh., F.R.I.C. Prof.
Lecturers
Gordon, J. E., 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.
McIver, R. M., B.Sc.
Runcie, K. V., B.Sc.
McGhee, A. R., M.Sc. Purdue, B.Sc.
1 Asst.

*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., M.B.E., B.Sc., Ph.D. Lond.
Woolf, B., M.A., Ph.D. Camb.
Clayton, Ruth M., B.A. Oxon.
Maule, J. P., M.A. Camb.
3 Assts.

*Forestry*

Anderson, M. L., M.C., M.A. Oxon., D.Sc. Prof.

Lecturers

Fergusson, D. C., M.C., B.Sc.
Harrison, J. L.
Osmaston, F. C., B.A. Oxon.
Fairbairn, W., D.Sc.
Scott Mutch, W., B.Sc.

**Dentistry**

*Dental Anatomy and Histology*

Kemball, C. H., D.D.S. Pennsylvania, H.D.D., L.D.S. Sr. Lectr.
Paterson, J. K., L.D.S. Asst.

*Dental Mechanics and Prosthetics*

Watt, D. M., H.D.D., L.D.S. Sr. Lectr.
Baird, W. J., L.D.S. Lectr.

*Dental Surgery*

Hutchison, A. C. W., D.D.S. Rand., L.D.S. Manc. Prof.

*Dental Surgery and Pathology and Dental Radiology*

Bradshaw, A. R., L.D.S. Lectr.

*Extractions under General Anæsthesia*

Dyce, P. J. B., L.D.S. Sr. Lectr.
Rose, G. M., L.D.S. Sr. Lectr.

*Local Anæsthetics*

Duvall, A. E., H.D.D., L.D.S. Lectr.

*Operative Dental Surgery*

Baxendine, W. P., O.B.E., L.D.S. Sr. Lectr.
Beagrie, G. S., L.D.S. Lectr.
Waterston, W., L.D.S. Lectr.
Ball, J. S., L.D.S. Lectr.

*Orthodontics*

Johnston, Dorothy L., L.D.S. Lectr.
Hopkin, G. B., H.D.D., L.D.S. Sr. Lectr.

*Parodontal Diseases*

Galloway, J. W., T.D., L.D.S.

**Law**

*Administrative Law*

M'Larty, M. R., M.A. Camb. Lectr.

3 Assts.

*Civil Law*

Fisher, M. G., Q.C., M.A., LL.B. Prof.

1 Asst.

*Constitutional Law*, v. Hist.

*Conveyancing*

Monteath, H. H., B.A. Oxon., LL.B. Prof.

1 Asst.

*English Law*

..... Reader.

*Evidence and Pleading*

Grant, W., B.A. Oxon., LL.B. Lectr.

*Industrial Law*

McDonald, R. H., M.A., LL.B. Glas. Lectr.

*International Private Law*

.....

*International Relations*

Macartney, C. A., M.A. Oxon., D.Litt. Prof.

*Public Law*

Campbell, A. H., M.A., B.C.L. Oxon., LL.M. Birm., M.A. Reg. Prof.

*Scots Law*

Montgomery, G. A., Q.C., M.A., LL.B. Glas. Prof.

Lecturers

Maxwell, D., M.A., LL.B.
Taylor, R. R., M.A., LL.B., Ph.D. Glas.
Anderson, D. C., B.A. Oxon., LL.B.

4 Assts.

**Medicine**

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

*Bacteriology*

Mackie, T. J., C.B.E., M.D., LL.D. Glas., D.P.H. Oxon. R. Irvine Prof.

Swain, R. H. A., M.A., M.D. Camb. Sr. Lectr.

Lecturers

Wright, Helen A., M.B., Ch.B., D.P.H.

Duguid, J. P., B.Sc., M.D., Ch.B.

MacCabe, A. F., M.D., Ch.B., D.P.H.

Wallace, A. T., M.D., Ch.B.

Cranfield, Joyce D., B.Sc.

Bowie, J. H., M.B., Ch.B.

Wilkinson, J. F., B.A., Ph.D. 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.

Barrett, J. S., M.B., Ch.B.

Douglas, A. C., M.B., Ch.B.

Levinthal, W. M., M.D. Munich.

Tulloch, Nina A. B., M.B., Ch.B.

Durie, T. B. M., M.B., Ch.B.

Tonkin, R. W., M.B., Ch.B.

Gillies, R. R., M.B., Ch.B., D.P.H.

Lawson, A. W. B.

*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.

Spreull, Elizabeth B., B.Sc. Montana.

Kapeller-Adler, Regina, Ph.D. Vienna, D.Sc.

Easson, L. H., B.Sc., Ph.D.

Gilchrist, Elizabeth, M.A., B.Sc., Ph.D.

Owen, J. A., B.Sc., M.B., Ch.B. 1 Asst.

*Child Life and Health*, v. also *infra*, Clin. Teaching Staff

Ellis, R. W. B., M.A., M.D. Camb., F.R.C.P. Prof.

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.

Methven, Margaret, M.B., Ch.B., M.A.

Dott, E. F., M.B., Ch.B., F.R.C.P.Ed.

McGregor, Agnes R., M.B., Ch.B., M.D.

Nicholson, D. N., M.B., Ch.B.

Farquhar, J. W., 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.

*Eye, Diseases of the*, v. *infra*, Clin. Teaching Staff

*Forensic Medicine*

Kerr, D. J. A., M.D., F.R.C.P. Prof.

Fiddes, F. S., O.B.E., M.B., Ch.B., M.D. Lectr.

Ogilvie, R. F., M.D., F.R.C.P.Ed. Asst.

*General Practice Teaching Unit*

Scott, R., M.D., D.P.H.

Dempster, C. M., M.B., Ch.B.

*Gynæcology*, v. Obstetrics and Gynæcology, *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.
Cruickshank, A. G., F.R.C.P.Ed.
Lyon, R. M. M., 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.Chir. Camb.
Strong, J. A., M.B.E., B.A., M.B., Ch.B.

Lecturers
Girdwood, R. H., M.B., Ch.B., Ph.D., 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.
Sinclair, R. J. G.
Wilson, J. M. G., M.A., M.B., B.Chir. Camb.
2 Assts.

*Medicine, Clinical*, v. *infra*, Clin. Teaching Staff

*Mental Diseases*, v. Psychiatry

*Neurological Surgery*
Dott, N. M., M.B., Ch.B., F.R.C.S.Ed. Prof.
Gillingham, F. J., M.B., B.S., F.R.C.S. Sr. Lectr.

*Neurology, Clinical*
Slater, J. K., O.B.E., M.D., F.R.C.P.Ed. Lectr.

*Obstetrics and Gynæcology*, v. also *infra*, Clin. Teaching Staff
Kellar, R. J., M.B.E., M.B., Ch.B., F.R.C.S.Ed., F.R.C.P.Ed., F.R.C.O.G. Prof.

Senior Lecturers
Haultain, W. F. T., O.B.E., M.C., B.A., M.B., B.Chir. Camb., F.R.C.P.Ed., F.R.C.S.Ed., F.R.C.O.G.
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. and Bacteriol.

Drennan, A. M., M.D., F.R.C.P.Ed. Prof.

Forbes, W., B.Sc., M.B., Ch.B. Sr. Lectr.

Ogilvie, R. F., M.D., F.R.C.P.Ed. Sr. Lectr.

Lecturers

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.

Bain, A., M.B., Ch.B.

Cunningham, A. W. B., M.B., Ch.B.

Cruikshank, B., M.B., Ch.B.

Dawson, Edith K., M.A., M.D.

Lees, T. W., M.B., Ch.B.

Le Roux, Anne E., B.Sc., M.B., Ch.B. Cape T.

McGregor, J. D., M.B., Ch.B.

Peden, A. S. C., M.B., Ch.B.

Sim, J. D. C., M.B., Ch.B. Cape T.

Woodliff, H. J., M.B., Ch.B.

MacFarlane, A., B.Sc., M.B., Ch.B.

Robb, Patricia M., M.B., Ch.B.

Barrett, J. S., M.C., M.B., Ch.B.

*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.

Bailey, R., M.B., Ch.B. Glas.

Robertson, Elizabeth, M.B., Ch.B.

*Public Health and Social Medicine*

Crew, F. A. E., M.D., D.Sc., Ph.D., F.R.S., F.R.C.P.Ed. Prof.

Clark, W. G., M.B., Ch.B. Glas. (San. Admin.) Sr. Lectr.

Passmore, R., M.A., D.M. Oxon. (Clin. and Indust. Physiol.) Sr. Lectr.

Lecturers

Day, Lt.-Col. C. L.

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.

Hobson, B. M., B.Sc. Aberd.

Mansbridge, J. N., H.D.D.

Stein, Lilli, B.A. Camb.

Robertson, A. D., M.B., Ch.B.

Gordon, C., M.Sc. Cape T., Ph.D. Lond.

Cameron, D., M.B., Ch.B.

Sklaroff, S. A., B.Sc.

Assistants

Paterson, J. E., M.A. Glas.

Hardwick, D. C., B.Sc. Lond.

Padfield, Gwen.

*Radiology*

McWhirter, R., M.B., Ch.B. Glas., F.R.C.S.Ed. Prof.

Shearer, W. S., M.D., D.R., F.R.C.S.Ed. (Radio - Diagnosis) Sr. Lectr.

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. Teaching Staff

Learmonth, Sir J. R., K.C.V.O., C.B.E., M.B., Ch.M. Glas., M.D. Oslo, F.R.C.S.Ed. (Surgery and Clin. S.) Prof.

Gillies, J., M.B., F.R.C.S.Ed. (Anæsthetics) Reader.

Lowdon, A. G. R., O.B.E., M.A., M.B., Ch.B., F.R.C.S. Sr. Lectr.

Delorme, E. J., M.D., F.R.C.S. Can. 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., C.B.E., M.B., Ch.B., F.R.C.S.Ed.

Barker, Audrey N., B.Sc., Ph.D.

Millar, T. McW., M.B., Ch.B., F.R.C.S.Ed. Asst.

*Therapeutics*, v. also *infra*, Clin. Teaching Staff

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

MacGregor, A. G., B.Sc., M.B., Ch.B., F.R.F.P.S. Glas. Sr. Lectr.

Lecturers

Rolland, C. F., B.A. Camb., M.B., Ch.B.

Matthews, J. D., B.A., M.B., Ch.B.

*Tropical Climates, Diseases of*

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. Lectr.

*Tuberculosis*

Crofton, J. W., M.D., B.Chir., M.A. Camb. Prof.

Lecturers

Horne, N. W., M.B., Ch.B.

Ross, J. D., M.B., Ch.B., F.R.C.P.

2 Assts.

*Venereal Diseases*

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**

ROYAL INFIRMARY—

*Clinical Surgery*

Surgeons

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.

Millar, T. McW., M.B., Ch.B., F.R.C.S.Ed.

Assistant Surgeons

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.

Senior Registrars

Annan, J. H., M.B., Ch.B., F.R.C.S.Ed.

Macpherson, A. I. S., M.B., Ch.B., F.R.C.S.Ed.

Brydone, W., F.R.C.S.Ed.

Roemelle, P. M., M.B., Ch.B., F.R.C.S.Ed.

Small, W. P., M.B., Ch.B., F.R.C.S.Ed.

*Clinical Medicine*

Physicians

Lyon, Prof. D. M., M.D., 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.
Todd, T. R. R., M.D., F.R.C.P.Ed.
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. M., M.D., F.R.C.P.Ed.
Lamb, W. L., M.B., Ch.B., F.R.C.P.Ed.
Hamilton, J. G. M., M.B., Ch.B., F.R.C.P.Ed.
Croom, J. H., B.A., M.B., Ch.B., F.R.C.P.Ed.
Robertson, C. K., M.D., F.R.C.P.Ed., D.P.H.
Batty, D. M. F., M.B., Ch.B., F.R.C.P.Ed.
Innes, J., M.D., F.R.C.P.Ed.
Matthew, H. J. S., M.B., Ch.B., F.R.C.P.Ed.

Senior Registrars

Branwood, A. W., M.D., F.R.C.P.Ed.
Girdwood, R. H., M.B., Ch.B., F.R.C.P.Ed.
Robson, J. S., M.D.

*Clinical Obstetrics and Clin. Gynæcology*

Obstetricians and Gynæcologists

Kellar, Prof. R. J., M.B.E., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.
Miller, D. A., M.D., F.R.C.S.Ed., F.R.C.P.Ed., F.R.C.O.G.
Fahmy, E. C., M.B., F.R.C.S.Ed., F.R.C.O.G.

Asst. Obstetricians and Gynæcologists

Sturrock, J., M.B., F.R.C.S.Ed., F.R.C.O.G.
Kennedy, C. D., M.B., F.R.C.S.Ed., F.R.C.O.G.
MacGregor, T. N., M.D., F.R.C.S.Ed.
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.
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.
McDowall, G. D., M.B., Ch.B., F.R.C.S.Ed.

Mitchell, J. F. O., M.D., D.L.O. Sr. Registrar.

*Dermatology*

Physicians

Aitken, R., M.D., F.R.C.P.Ed.
Percival, Prof. G. H., M.D., Ph.D., F.R.C.P.Ed., D.P.H.

Assistant Physicians

Peterkin, G. A. G., M.B., Ch.B., F.R.C.P.Ed.
Hannay, P. W., M.B., Ch.B.
Duthie, D. A., M.B., Ch.B. Sr. Registrar.

ROYAL HOSPITAL FOR SICK CHILDREN—

Pædiatricians

Ellis, Prof. R. W. B., M.A., M.D., F.R.C.P.Ed.
Nicholson, D. N., M.B., Ch.B., F.R.C.P.Ed.

Assistant Pædiatricians

Dott, E. F., M.B., Ch.B., F.R.C.P.Ed.
Miller, R. A., M.A., M.D., F.R.C.P.Ed.
Douglas, D. M., M.B., B.S.

Senior Registrars and Registrars

Craig, J. O., B.A., M.B., Ch.B.
Farquhar, J. W., M.B., Ch.B.
Mitchell, R. G., M.B., Ch.B.

Surgeon

Brown, J. J. M., O.B.E., 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.

*Plastic Surgery*

Wallace, A. B., M.B., Ch.B., M.Sc., F.R.C.S.Ed. Surgeon.

WESTERN, NORTHERN AND EASTERN GENERAL HOSPITALS

*Medical Unit*

Physicians

Turner, R. W. D., M.A., M.D.
Card, W. I., M.D., F.R.C.P.
Biggam, Sir A., K.B.E., C.B., M.D., F.R.C.P.Eng. and Ed.
Duthie, J. J. R., M.B., Ch.B.
French, E. B., B.A., M.B., B.Chir. Camb.

Assistant Physicians

Sclater, J. G., B.Sc., M.B., Ch.B., F.R.C.P.Ed.
Strong, J. A., M.B.E., B.A., M.B., B.Ch., B.A.O. Dub.
MacLeod, J. G., M.B., Ch.B., F.R.C.P.Ed.
Levin, E. J., M.D.
Sinclair, R. J. G.

Senior Registrars

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.

*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.
Wade, J. D., M.B., Ch.B., F.R.C.S.
Falconer, C. W. A., M.B., Ch.B., F.R.C.S.Ed. Sr. Registrar.

*Obstetrics and Gynæcology Unit*

Obstetricians and Gynæcologists

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.

Liston, W. A., M.B., Ch.B., F.R.C.S.Ed.

Matthew, G. D., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G.

Duncan, A. S., D.S.C., M.B., Ch.B., F.R.C.S.Ed.

Assistant Gynæcologists

Anderson, A. F., B.Sc., M.B., Ch.B., F.R.C.S.Ed.

Winchester, G., M.B., Ch.B., F.R.C.S.Ed.

Registrars

Myerscough, P. R., M.B., Ch.B.

Paterson, Marjorie M., M.B., Ch.B.

*Pædiatrics*

Pædiatrician

Forfar, J. O., M.C., B.Sc., M.B., Ch.B.

Assistant Pædiatricians

Balf, C. L., M.A., B.M., B.Ch. Oxon.

Walker, C. H. M., M.B., Ch.B.

**Royal (Dick) School of Veterinary Studies**

*Veterinary Surgery*

Mitchell, W. M., M.C., T.D., M.B., Ch.B., B.Sc. Prof.

Burgess, J. W. Lectr.

Marr, A., B.Sc. Lectr.

*Veterinary Anatomy*

Grahame, T., T.D., F.R.C.V.S. Reader.

Morris, P. G. D., M.A. Lectr.

Speed, J. G. Lectr.

Taylor, J. A. Lectr.

*Veterinary Bacteriology*

Taylor, A. W., Ph.D. Sr. Lectr.

Phillips, J. E., B.Sc. Lectr.

Burrows, R., B.Sc. Lectr.

*Veterinary Biology*

Warwick, T., B.Sc. Lectr.

*Veterinary Chemistry*

Thin, R. G., B.Sc., F.R.I.C. Lectr.

*Veterinary Hygiene*

Robertson, A., M.A , B Sc., Ph.D., F.R.I.C. Prof.

Lecturers

Ferguson, G. S., B.Sc., D.V.S.M.

Grunsell, C. S.

Paver, H., B.Sc., Ph.D.

Stewart, T.

*Veterinary Jurisprudence*

Calver, R. H. S., Q.C , M.A., LL.B. Lectr.

*Veterinary Medicine*

Boddie, G. F., B.Sc. Prof.

Gregor, N. W. Lectr.

McPherson, E. A. Lectr.

Davidson, C. B. (Clin.) Lectr.

*Veterinary Pathology*

Beattie, I. S., B.Sc. Lectr.

Head, K. W., B.Sc. Lectr.

*Veterinary Pharmacology*

Alexander, F. Sr. Lectr.

*Veterinary Physiology*

Elliot, F. J., M.Sc., Ph.D., F.R.I.C. Sr. Lectr.

**Gifford Lecturer in Nat. Theol.**

Rev. Prof. C. E. Raven, D.D.

**Romanes Lecturer**

.....

**Sharpey-Schafer Memorial Lecturer** (Physiology), biennial

1953—.....

## ADMINISTRATIVE AND OTHER STAFF

**University Office.** Jt. Deputy Secs., W. A. Coutts, M.A., T. A. Joynt, M.A. Asst. Sec., L. D. Macmillan, B.L.

SR. ADMINISTRATIVE OFFICERS. Fac. of Sci., A. H. W. Weir, B.Sc.; Fac. of Med., A. M. Gordon.

UNIVERSITY LIBRARY. Dep. Librarian, J. C. Corson, M.A., Ph.D.; Keeper of Manuscripts, C. P. Finlayson, M.A.

UNIVERSITY CHAPLAIN. Rev. D. H. C. Read, M.A., B.D.

DIRECTOR OF EXTRA-MURAL STUDIES. J. Hossack, M.A., B.Com.

DIRECTOR OF STUDENT ACCOMMODATION AND WELFARE OFFICE: Diana C. Matchett.

DIRECTOR OF PHYSICAL EDUCATION: Col. C. M. Usher, D.S.O., O.B.E.

UNIVERSITY ORGANIST. H. Bunney, B.Mus., F.R.C.O.

MASTER OF WORKS. J. Hamilton.

WARDENS OF HOSTELS. Cowan House, C. A. Lyall, B.Sc.; Salisbury Green, Mrs. Charlotte L. Lindsay; Masson Hall, Mrs. Janet Veitch, M.A., Ph.D.; Muir Hall, Mrs. M. Joyce Proctor, M.B., Ch.B.; St. Leonard's House, Mrs. Margaret Macdonald; University Settlement, Amelia M. Sinclair; Craigmillar Park Hostels, E. Elizabeth Looker, O.B.E., B.A.

## CONSTITUENT COLLEGE

NEW COLLEGE, The Mound, Edinburgh. *Telephone*: CAL 4272. Founded in 1846 by the Free Church of Scotland: from 1900 a Divinity Hall of the United Free Church of Scotland, and from 1929 of the reunited Church of Scotland in union with the Divinity Hall of the Church of Scotland as previously constituted by the University Faculty of Divinity; the seat of the Faculty of Divinity in the University as enlarged after 1929, owned and maintained by the Church of Scotland, and accommodating the ordinary and the postgraduate courses in Theology. Principal and Dean of Faculty, Very Rev. Prof. J. Baillie, M.A., D.Litt., D.D., LL.D., S.T.D. Sec., Rev. Prof. N. W. Porteous, M.A., D.D. *Staff*: The Profs. and Lectrs., v. p. 578. *Librarian*: Rev. J. A. Lamb, Ph.D. (over 100,000 vols. in the collection). *Christian Sociol.*, Rev. W. S. Tindal, M.A., Warden of New College Settlement. *Elocution*, Rev. F. Philip.

## AFFILIATED COLLEGE

HERIOT-WATT COLLEGE, Chambers St., Edinburgh, 1 (*Telephone*: Central 7121-7122). Founded as School of Arts, 1821; present title adopted 1885. Affiliated to the Univ. of Edinburgh, Feb. 7, 1933. Chairman of Governors, The Lord Provost of Edinburgh. *Principal*, H. B. Nisbet, Ph.D., D.Sc. Edin., F.R.I.C. The College provides instruction in Day and Evening Classes for those following or proposing to follow technical careers in Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing, Pharmacy, Optics, Building and Printing. Evening Courses are also provided in Commerce, Langs. and Music. Special courses arranged for research students. Degree courses for B.Sc. of Edinburgh Univ. in Mech., Electr. and Mining Engineering and in Tech. Chem. Diplomas and Associateships for full-time day study in Mech. Eng., Electr. Eng., Mining Eng., Applied Chem., Brewing and Distilling. Certificate courses in Brewing, Building, Optics, Pharmacy and Printing. Mine Rescue Station available for instruction of day students. The Coll. is authorized by the Home Office to grant Certifs. to mine firemen, examns. being arranged at various centres in the Lothians, Fife and Clackmannan.

Entrance examinations in June and Sept. Exemption granted to students who hold the Senior Leaving Certif. of the Scottish Educn. Dept., or have passed the Scottish Univs. Prelim. Examn., or satisfy the Principal as to the adequacy of their general education.

Students holding a degree in Pure or Applied Science of a recognized University or the H.-W. College Associateship or a similar qualification of another Technical College may be admitted for special study for the College Fellowship.

Fees: Entrance examn., £1 : 1s., remitted on passing and joining the Coll. Admission direct to Second or Third Yr. Courses, 30s. Matricn. fee for each session, Degree, £2 : 12 : 6; Diploma and Certificate, £1 : 10s. for full-time students; others, 10s. Tuition fees for Degree courses: Engineering, £39 : 18s.; Technical Chemistry, £33 : 12s. Tuition fees for Diploma courses: Mech. or Elec. Engin., £30 p.a.; Mining Engin., £30 p.a.; Applied Chem., £30 p.a.; Brewing, £18 : 18s. p.a; for Certificate courses: Building, £26 : 5s. p.a.; Optics, £26 : 5s. p.a.; Pharmacy, £30 p.a.; Brewing, £18 : 18s. p.a.; Printing, £18 : 18s. p.a.

Staff: *Chem.*, Prof. F. Bell, Ph.D., D.Sc. Lond., F.R.I.C.; Asst. Prof. J. Sandilands, Ph.D. Edin., F.R.I.C.; 1 Sr. Lectr., 6 Lectrs. *Brewing and Industrial Fermentation*, Prof. I. A. Preece, M.Sc., Ph.D., D.Sc. Birm., F.R.I.C.; 1 Lectr. *Engin., Electr.*, Prof. M. G. Say, Ph.D., M.Sc. Lond., D.I.C.; Asst. Prof. E. O. Taylor, B.Sc. Lond., D.I.C.; 5 Lectrs. *Engin., Mech.*, Prof. W. G. Green, B.Sc., Ph.D. Lond.; 1 Asst. Prof., 4 Sr. Lectrs., 6 Lectrs. *Engin., Mining*, Prof. R. McAdam, B.Sc., Ph.D.; 1 Sr. Lectr., 4 Lectrs. *Maths.*, R. Smart, M.A. St. And.; 3 Lectrs. *Phys.*, Prof. W. H. J. Childs, D.Sc. Lond., F.I.P.; Asst. Prof. J. Milne, B.Sc. Lond.; 2 Lectrs. *Building*, N. C. Sidwell, B.Sc. Lond.; 2 Lectrs. *Pharmacy*, H. H. Campbell, B.Sc. Edin., F.R.I.C.; 4 Lectrs. *Printing*, F. P. Restall; 4 Lectrs. In addition, 88 visiting lecturers and instructors.

Students (1952–53): 40 full-time day students, 607 pt.-time day students, and 2978 evening students, of whom 25 were reading for Univ. qualifications.

## ASSOCIATED COLLEGE, in which Univ. courses are provided.

THE EDINBURGH SCHOOL OF AGRICULTURE: EDINBURGH UNIVERSITY AND THE EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE, 13 George Square, Edinburgh, 8 (*Telegrams*: Rural, Edinburgh; *Telephone*: Edinburgh 42017). Principal: Prof. S. J. Watson, D.Sc., F.R.I.C.; Deputy Principal and Director of Studies: J. E. Gordon, B.Sc. (Agric.), B.Sc. (For.), Ph.D. *Agric. and Rural Econ.*, Prof. S. J. Watson, 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., S. F. Hayes, B.Sc. (Hortic. Crops), J. M. M. Cunningham, B.Sc., K. V. Runcie, B.Sc., J. C. Holmes, B.Sc., R. M. MacIver, B.Sc. *Agric. Econ. and Farm Accounting*, Hd. of Dept., 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., R. M. Keddie, B.Sc. *Bee-keeping*, Lectr., J. Cunningham. *Botany*, Hd. of Dept., E. W. Fenton, M.A., D.Sc.; Lectr., ..... ; Asst. Lectr., P. C. Harper, B.Sc. *Chem.*, Hd. of Dept., A. M. Smith, Ph.D., D.Sc., F.R.I.C.; Lectrs., A. Comrie, B.Sc., Ph.D., H. Tod, B.Sc., Ph.D., P. McDonald, M.Sc., R. A. Edwards, B.Sc. *Forestry*, Prof. M. L. Anderson, M.C., M.A., D.Sc., and Lectrs. *Hortic.*, Sr. Lectr., J. Bruce; Lectr., S. F. Hayes, B.Sc.; Demr., P. N. Linton. *Vet.*

*Science*, Lectrs., Prof. A. Robertson, M.A., B.Sc., Ph.D., F.R.I.C., and Assts. *Zoology*, Lectrs., J. W. McHardy, B.Sc. and Assts. 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; 13 Research Assts. Extension Staff: Regional Directors, G. A. Catto, B.Sc., A. K. M. Meiklejohn, B.Sc.; and 47 Assts.

Students (1952–53): 183, of whom 79 were reading for Univ. qualifcns.

## GENERAL INFORMATION

Originally the "Town's College," founded in 1583 by the Town Council under general powers granted by Royal Charter, April 14, 1582. The Old College on the site of "Kirk o' Field," the scene of the murder of Lord Darnley, was designed by Robert Adam and William Playfair, and completed in 1828. Newer buildings include the Medical Buildings (1883) and the McEwan Hall (1888–97), which holds 2600 and has a great electric organ; and The King's Buildings for Chemistry and other Science Depts. The Medical School of this Univ. has been famous for over two centuries; specially ample provision exists also for instruction and research in Theology (postgrad. school instituted 1919), Agric., For., Engin., Mining and Vet. Sc. Edinburgh is the seat of the Scottish Supreme Courts of Law.

Royal (Dick) Veterinary College, Summerhall, Edinburgh, 9 (*Telephone*: 41087/8; *Telegrams*: Veter, Edinburgh). Founded 1823; became sch. of vet. studies within the Univ., 1951 (*see* p. 590).

LIBRARY, founded in 1580, about 550,000 vols., 4000 MSS. and 3000 Charters. The MSS. include the Laing MSS. (Scottish and miscellaneous), Laing Charters, 854–1837 (chiefly Scottish), Arabic and Persian MSS. The chief special book collections are the Drummond of Hawthornden (16th-cent. literature), Halliwell-Phillipps (Shakespeare), Lord Abercromby (Archæology, Ethnology), Blackie (Modern Greek), Bruce (Oceanography), Cameron, Mackinnon and Carmichael-Watson (Celtic), Hodgson (Economics), Berriedale Keith (Indian history and literature, and the Constitution of the British Empire). There is a good medical collection and the valuable Reid Music Library. There are published catalogues of *Printed Books* (3 vols., 1918–23), *Laing Charters* (1899), Western *Mediaeval MSS.* (1916), *Arabic and Persian MSS.* (1925) and *Music* (1941). MUSEUMS: Nat. Philos., Fine Art, Geol., Nat. Hist., Chem., Forestry, Agric., Entom. and Forest Zool. (Waterhouse collection of Coleoptera), Anat. (founded with the Monro collection in 1800; numerous specimens of Cetacea and human crania), Physiol., Mat. Med. (notable collections of medicinal and food substances, including those of Duncan and Christison), Forensic Med., Practice of Physic. Surg., Obst. (Simpson collection), Music and Musical Instruments. The Prof. of Botany is Regius Keeper of the *Royal Botanic Garden*; the Prof. of Astronomy is Astronomer Royal for Scotland and gives practical courses at the *Royal Observatory*. The LABORATORIES are especially well equipped for research in Anatomy, Anthropology, Bacteriology, Chemistry (the Labs. at King's Buildings, completed 1924, have accommodation for about 400 students), Zool., Mining, Engin. (notably Hydrs., Strength of Materials, Elec. Engin.), Mat. Med., Path., Physics, Physiol., 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 AND DEANS. *Arts*, Prof. J. Orr (French); *Divinity*, Very Rev. Prof. J. Baillie; *Law*, Prof. M. G. Fisher (Civil L.); *Medicine*, .....; *Music*, Prof. S. T. M. Newman; *Science*, Prof. R. N. Arnold (Engin.).

There are 9 Directors of Studies in the Faculty of Arts, 8 in the Faculty of Science and 1 for those combining studies in the Faculties of Science and Medicine.

ADMISSION. *See* Appendix I.

DEGREES. M.A. (Ord. and Hons.); B.D., B.Sc. (Ord. and Hons.); LL.B.; B.L.; B.Com.; B.Ed.; M.B., Ch.B.; B.D.S.; B.V.M.S.; Mus.Bac.; M.D.; Ch.M.; M.D.S.; D.V.M.S.; Mus.Doc.; Ph.D.; D.Sc.; D.Litt.

HONORARY DEGREES. LL.D.; D.D.

DIPLOMAS AND CERTIFICATES. Actuarial Mathematics, 2 yrs.—open to persons previously admitted as students of the Faculty of Actuaries. Agricultural Science, 1 yr.—open to Hons. grads. in Sci. or Econ., or Ordinary grads. in Agric. of this or any other approved Univ. Education—open to persons who have attended a course of Professional training or have had at least 3 yrs.' experience as a teacher, and have completed a graduation course in Arts or Sci. The diploma is granted on completion of Univ. courses (1 yr.) and passing examns. in Psych., Theory and Hist. of Educn., and modern Educnl. Systems and Problems. Administrative Law and Practice—open to grads. of a British Univ. or other recognized Univ. and to those who have reached a similar standard. English Studies—open to grads. of the Univ. and to those who have reached a similar standard. Linguistics—open to grads of the Univ. and to those who have reached a similar standard. Phonetics—open to grads. of the Univ. and to those who have reached a similar standard. Islamic Studies—open to grads. of the Univ. and to those who have reached a similar standard. Public Health, Industrial Medicine (each 1 acad. yr.), Radio-diagnosis (18 mos.), Radiotherapy (2 yrs.), Trop. Med. and Hygiene (6 mos.)—open to grads. in Med. of the Univ. and others holding corresponding degrees or registrable qualifications. Psychiatry—the course is in abeyance at present. New regulations are under consideration. Technical Chemistry (1 yr.)—open to grads. of British or other approved Univs. who have taken a Science degree with Hons. in Chemistry. Social Study (1 yr.)—open to grads. of British or other approved Univs. with certain restrictions as to subjects taken for degree. A Certificate (2 yrs.) is granted to those whose education is equivalent to Univ. Entrance standard. A Health Visitor's Certificate is also granted (6 mos.) to registered nurses, who must hold the Central Midwives' Board certif. or sign an undertaking that they are willing to obtain this. Certificate in Physical Training—open to matriculated students studying for a degree or diploma or engaged in postgraduate research who follow a prescribed course of training. A Sister Tutor's Certificate is granted. Enquiries should be addressed to the Secretary, Royal College of Nursing, Scottish Board, 40 Melville Street, Edinburgh.

**POSTGRADUATE TEACHING for Medical graduates is organized by the Edinburgh Postgraduate Board for Medicine. Particulars of courses, etc., may be obtained from the Director of Postgraduate Studies in Medicine, Surgeons' Hall, Nicolson St., Edinburgh, 8. The Postgraduate School of Theology issues a detailed list of courses. Graduates contemplating research should apply to the Deans.**

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

FEES. Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A., Ord., 57 gs., Hons., 76 gs.; LL.B., 54 gs.; B.L., 42 gs.; B.Sc. Engin., 114 gs.; Agr., Ord., 114 gs., Hons., 152 gs.; Mining, 129 gs.; Forestry, 129 gs.; Technical Chemistry, 127 gs.; Pure 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," p. 591.) For men: Cowan House, George Square, accommodation for about 100 students, terms, £29 to £34 per term; Norway House, 37 Inverleith Place, accommodation for 26 students, terms, £3 : 9s. to £3 : 15s. per week; Salisbury Green, Dalkeith Road, accommodation for 43 students, terms, £2 : 5s. per week; University residence for Midwifery Students, Chalmers Street, terms, £2 : 15s. to £3 per week. For women: five hostels at Craigmillar Park, East Suffolk Road, £75 for the three terms; Masson Hall, 31 and 32 George Square and Annexes; Muir Hall, 12 George Square, £90 for the three terms; St. Leonard's House, Park Road, accommodation for about 43 students, terms, £2 : 5s. per week. The University Settlement has study-bedrooms for 10 students (5 men and 5 women) at Cameron House, Prestonfield, terms, £2 : 5s. per week. Six months' notice generally necessary.

There is a Franco-Scottish Society for advising and assisting French students in Scotland and Scottish students in France. It has local centres at Glas., Aberd. and Dundee.

EDINBURGH UNIV. CLUB OF LONDON. Secretary: Dr. Bruce Williamson, 40 Queen Anne Street, W.1.

APPOINTMENTS COMMITTEE. Secretary, A. G. Acaster, M.A., 44 George Sq. (*Telephone*: 46207). The Cttee. includes reps. from the Univ., industry, commerce and industrial liaison organizations. Between six and seven hundred students are assisted each yr. to find suitable employment.

UNIV. EXTENSION, ETC. There is an Adult Education Committee which arranges courses of lectures in the south-east of Scotland. The Univ. is now represented on the Advisory Committees for the management of the Tutorial Classes for adults instituted by the Edin. Educational Authority, in co-operation with the Edinburgh W.E.A. Summer Classes (4 weeks) for Teachers are held during vacation, the lecturers being drawn mainly from the Univ. staff. Certificates gained at the courses qualify for endorsement on teachers' certificates.

EXTRA-MURAL WORK. Classes conducted by the Edinburgh Workers' Educational Association, 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 TRAINING CORPS. The University Training Corps is organized in six Sub-units of the following arms: Artillery; Engineers; Electrical Engineers; Signallers; Intelligence; and Infantry. The primary object of the training is to develop leadership qualities in undergraduates whose military service has been deferred. Students are trained for direct commissions in

the Regular Army as well as for commissioned rank in the Territorial Army and Reserve. The Contingent is fully equipped with arms and transport. There is also a thriving unit of the Women's Royal Army Corps with a similar object of enabling graduates to obtain commissions.

UNIVERSITY HEALTH SERVICE. The University provides facilities for routine medical examinations for each first-year student, and radiological examinations of chest for all students annually. It also provides a consultative and domiciliary medical service with special hospital facilities for the treatment of sick students. This dept. works in the closest liaison with the Student Accommodation and Welfare Office and the Physical Education Department.

UNIVERSITY ATHLETIC FACILITIES. Facilities exist for the playing of most games. 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.

UNIVERSITY UNION. Open to all male matriculated students, graduates of the Univ., members of Senatus and Court, and members of staff. Debating hall, dining room, library, reading and writing room, etc. The UNIVERSITY WOMEN'S UNION, 53 George Sq., provides a dining hall, library, study rooms and temp. overnight accomm.

UNIVERSITY COMMON ROOMS. The Jr. Common Rm., Old College, provides a convenient meeting place and snack-bar service for undergrads. The King's Buildings Common Rm. provides club and recreation facilities, incl. gymnasium, badminton and squash courts.

OFFICIAL PUBLICATIONS. *Calendar* (Sept.), 5s.; *Gazette*; *Prelim. and Degree Examn. Papers* (May and July), 5d. to 2s. a set (James Thin, 55 South Bridge). *Students' Handbook* issued by the Students' Representative Council. *Facilities for advanced Study and Research* free, on application.

HISTORIES OF THE UNIV. (all O.P.): 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.

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.

## THE YEAR 1951–52

BENEFACTIONS. Boots Pure Drug Co. Ltd., £1000 p.a. for 7 yrs., to establish Res. Fellowship in Nursing; late Mrs. Still bequest of £5000 to

establish scholp., prize, etc., for study of Trop. Dis.; late C. Innes bequest of £1000 to endow prize for study of Civil Engin.; Sir Donald Pollock, gift of property at 6 Lothian St., Edinburgh; Carnegie Trust, renewed grant of £1200 for provision of grants for travel and maintenance to members of staff engaged in res.; Carnegie Trust, grant of £500 for Sch. of Scottish Studies; Godfrey Thomson Res. Fund, further donation of £1000 towards endowment of Lectureship in Educnl. Res.; I.C.I. Ltd., further grant of £6400 p.a. for 7 yrs. 1951–57 for provision of I.C.I. Fellowships to be awarded by the Univ.; National Assoc. for Prevention of Tuberculosis, gift of bursary of £100 for 1 yr. to be awarded to a student in any Fac. who had suffered from Tuberculosis; Distillers Co. Ltd., renewed grant of £500 p.a. for 3 yrs. for res. in Dept. of Org. Chem.; Dr. E. B. Jamieson, £2100 to establish fund, the income of which is to be distributed in prizes in Anat.; gifts to Dept. of Chem., from Anglo-Iranian Oil Co. of £700 for res., and from Messrs. Albright and Wilson Ltd. of £100 for study and teaching; late P. Cumming, bequest of £500 to Dental Sch.; Noel-Buxton Trust, renewed contrib. of £450 towards expense of employment of Asst. for Dept. of Social Anthropol. to conduct res. into problems of coloured peoples in U.K.; R. Victoria Hosp. Tuberculosis Trust, £5000 p.a. for 2 yrs. to support 2 Res. Fellowships—one in Clin. Tuberculosis and other in Bacteriol. of Tuberculosis; Nuffield Foundation, £1000 to allow M. P. Banton (working under direction of Dr. K. Little in Dept. of Social Anthropol.) to supplement a study of colonial immigration in U.S. by res. in West Africa.

HONORARY DEGREES. *D.D.*—O. Cullman, Prof. of New Testament and Early Christianity, Basle, Prof. of Origins of Christianity, Sorbonne, and Hon. Prof., Stras. U.; Rev. A. R. Johnson, Prof. of Semitic Langs., Cardiff U.C.; Rev. D. Ross, Minister of Mayfield North Church, Edin.; Rev. J. Sinclair, Clerk of Presbytery of Glas.; T. M. Taylor, Principal and Vice-Chancellor, Aberd. U. *LL.D.*—A. J. Alison, until recently Editor of *Session Cases*, the official Scottish Law Reports; J. Cowie, Artist, Sec. of Royal Scottish Academy; Joan Evans, Hon. Fellow, St. Hugh's Coll., Oxon., and Fellow of Univ. Coll., Lond.; Sir Gordon Holmes, Consulting Physician, Nat. Hosp. for Nervous Diseases, Lond.; R. M. MacIver, Lieber Prof. of Political Philos. and Sociol., Col. U.; G. Robertson, Convener of Business Cttee. of General Council, Edin. U., formerly Headmaster of George Watson's Boys' Coll., Edin.; R. Schuman, French Foreign Minister.

STUDENT NUMBERS.*

| | *Ordinary* | *Termly* |
|---|---|---|
| Men | 4206 | 360 |
| Women | 1507 | 67 |
| Total | 5713 | 427 |

Students (full-time) from other countries, 415. (Countries from which largest numbers came: U.S.A., 79; India, 44; Canada, 29; S. Africa, 25; British W. Indies, 30; British W. Africa, 22; British E. Africa, 20.)

DEGREES. B.D., 12 (m.), 1 (w.); LL.B., 38 (m.), 1 (w.); B.L., 19 (m.), 5 (w.); M.B., Ch.B., 150 (m.), 40 (w.); M.A. (Ord.), 122 (m.), 144 (w.); M.A. (Hons.), 122 (m.), 52 (w.); B.Com., 23 (m.), 7 (w.); B.Sc. Pure (Ord.),

* These figures relate to *matriculated* students only. In addition, 95 non-matriculated students were admitted to certain classes.

55 (m.), 21 (w.); (Hons.), 49 (m.), 9 (w.); B.Sc. Engin. (Ord.), 27 (m.); (Hons.), 17 (m.); B.Sc. Mining (Ord.), 1 (m.); (Hons.), 6 (m.); B.Sc. Agric. (Ord.), 12 (m.), 2 (w.); (Hons.), 4 (m.); B.Sc. Forestry, 16 (m.); B.Sc. Vet. Sc., 17 (m.), 3 (w.); B.Sc.Tech. Chem. (Ord.), 2 (m.); (Hons.), 7 (m.); Mus.Bac., 4 (m.), 3 (w.); D.Litt., 1 (m.); D.Sc. Pure, 2 (m.); D.Sc. Vet. Sc., 1 (m.); Mus.Doc., 1 (m.); M.D., 13 (m.), 2 (w.); Ph.D. Div., 26 (m.); Ph.D. Law, 1 (m.); Ph.D. Med., 6 (m.), 1 (w.); Ph.D. Arts, 17 (m.), 2 (w.); Ph.D. Sci., 30 (m.), 7 (w.); B.Ed., 5 (m.), 1 (w.).

DIPLOMAS. Sister Tutor Cert., 5 (m.), 29 (w.); Cert. in Med. Illustration, 1 (w.); Dip. in Actuarial Maths., 2 (m.); Cert. in Social Study, 2 (m.), 28 (w.); Cert. in Psychiatric Social Work, 3 (m.), 7 (w.); Cert. in Pub. Admin., 3 (m.), 1 (w.); Cert. in Physical Proficiency, 26 (m.), 10 (w.); Dip. in Admin. Law and Practice, 2 (m.); Dip. in Public Health, 14 (m.), 3 (w.); Dip. in Trop. Med. and Hyg., 8 (m.); Dip. in Med. Radio-diagnosis, 3 (m.); Dip. in Med. Radiotherapy, 1 (m.); Dip. in Psychiatry, 1 (m.), 1 (w.); Dip. in Educn., 49 (m.), 39 (w.); Dip. in English Studies, 1 (m.), 1 (w.); Dip. in Social Study, 3 (m.), 6 (w.); Dip. in Phonetics, 2 (m.); Dip. in Animal Genetics, 7 (m.); Dip. in Electronics and Radio, 6 (m.); Dip. in Geophysical Surveying, 1 (m.); Dip. in Rural Sc., 6 (m.); Dip. in Tech. Chem., 1 (m.).

[*Information compiled as at July* 1953 ;
*Staff list revised on* 20/10/53.]

# UNIVERSITY OF GLASGOW*

Founded 1451

*Telephone*: Glasgow, Kelvin 2231.

CHANCELLOR—The Rt. Hon. LORD BOYD ORR OF BRECHIN, D.S.O., M.C., M.A., M.D., D.Sc., LL.D., F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—Sir HECTOR HETHERINGTON, K.B.E., D.L., LL.D. Glas., Liv., St. And., Prin., Camb., Sheff., Wales, Lond., Edin., Belf., D.Litt. McG., M.A.

RECTOR—T. J. HONEYMAN, M.B., F.R.F.P.S. Glas.

DEAN OF FACULTIES—Emeritus Professor WILLIAM RENNIE, C.B.E., M.A. Camb., Litt.D. Liv., LL.D. Edin. and Glas.

SECRETARY OF THE UNIV. COURT AND REGISTRAR—R. T. HUTCHESON, J.P., M.A., Ph.D.

CLERK OF SENATE—Professor C. J. FORDYCE, M.A. Glas. and Oxon.

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—R. O. MACKENNA, M.A.

CLERK OF THE GENERAL COUNCIL—T. R. MACNAUGHTAN, M.A., LL.B.

## TEACHING STAFF

*Accountancy*

Browning, R., M.A., LL.B. Prof.

Assistants

Forbes, R. H.
Flint, D., M.A., B.L.
Begg, H. M., M.A.

*African Studies*

Price, T., M.A., Ed.B. Lectr.

*Agriculture*, v. *infra*, West of Scotland Coll. of Agr., p. 613

*Anatomy*

Wyburn, G. M., M.B., D.Sc. Reg. Prof.
Bacsich, P., M.D. Szeged, D.Sc. (Embryol.) Reader.
Scothorne, R. J., B.Sc., M.B. Leeds Sr. Lectr.

Lecturers

Young, A., M.A. Camb., M.B.
Mitchell, R., M.A., M.B.
Warbrick, J. G., M.B. Liv.
Hutchison, J., M.B. Hon. Lectr.

Assistants

Livingston, R. M., M.B.
Craigmyle, M. B. L., M.B.
Brodie, W., M.B.
Strang, R., M.B.
Davidson, C. M., M.B.
Gibson, J. A., M.B.
Walker, F. C., M.B.
Bingham, J. A., M.B.
Dick, D. A. T., M.B.

Medical Artist

Henning, Dorothy V., B.A., M.Sc. Dub.

*Ancient History*

Burn, A. R., M.A. Oxon. Sr. Lectr.

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

*Arabic*

Bishop, Rev. E. F. F., M.A. Camb. Sr. Lectr.
Trimingham, J. S., M.A. (Islamic) Lectr.

*Astronomy*

Smart, W. M., M.A. Glas. and Camb., D.Sc., F.R.A.S. Reg. Prof.

Lecturers

Tannahill, T. R., M.A., B.Sc., Ph.D.
Ovenden, M. W., M.A. Camb.

*Biblical Studies*

Craig, Rev. A. C., M.C., M.A., D.D. Edin. Lectr.

Assistant

Gourlay, Rev. D., M.A., B.D.

*Biochemistry*

Davidson, J. N., M.D., D.Sc. Edin. (Physiol. Chem.) Gardiner Prof.

Senior Lecturers

Munro, H. N., B.Sc., M.B.
Mills, G. T., B.Sc., Ph.D. Liv.

Lecturers

Smith, J. A. B., D.Sc. Lond., Ph.D. Birm.
Hutchison, W. C., B.Sc., Ph.D. Edin.
Leaf, G., M.Sc., Ph.D. Manc.
Dawes, E. A., B.Sc., Ph.D. Leeds.
Frazer, S. C., B.Sc., M.B.
Smellie, R. M. S., B.Sc. St. And., Ph.D. Glas.

Assistants

.....
Paul, J., M.B., Ph.D. (on leave).
McIndoe, W. M., B.Sc.
Holms, W. H., B.Sc. St. And.
.....
Thomson, R. Y., B.Sc.

*Botany*

Walton, J., M.A., Sc.D. Camb., D.Sc. Manc., LL.D. McM. Reg. Prof.

Senior Lecturers

Williams, S., D.Sc. Manc., Ph.D.
Bond, G., Ph.D., D.Sc.

Lecturers

Thomson, J., T.D., M.A., B.Sc., Ph.D.
Case, Isobel M., M.A., B.Sc., Ph.D.
Hutchinson, S. A., B.Sc., Ph.D. Brist.
Conway, Elsie, B.Sc., Ph.D. Liv.
Crundwell, A. C., B.A. Oxon.
Spence, D. H. N., B.Sc. Edin.
Ribbons, B. W., B.Sc. Lond.
Wilkie, D., B.Sc. Asst.

*Celtic*

Matheson, A., M.A. Edin. Sr. Lectr.
Thomson, D. S., B.A. Camb , M.A. Aberd. Lectr.

*Chemistry*, v. also Biochem.

..... Reg. Prof.
Robertson, J. M., M.A., Ph.D., D.Sc., F.R.S. Gardiner Prof.

Senior Lecturers

Bell, J., Ph.D., D.Sc., F.R.I.C. Asst. Dir. of Chem. Labs.
Tucker, S. H., M.A. Oxon., D.Sc., Ph.D. Lond., F.R.I.C. (Org. Chem.).
Gibson, D. T., M.Sc. Belf., Ph.D. Lond., D.Sc. (Med. Students).
Mitchell, S. T. R. S., D.Sc., Ph.D. (Phys. Chem.).
Speakman, J. C., M.Sc., Ph.D. Sheff.
Loudon, J. D., Ph.D., D.Sc.
Moon, F. E., M.Sc., Ph.D. (Agric. Chem.).
Dawson, I. M., B.Sc., Ph.D.

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.
Gunstone, F. D., B.Sc., Ph.D. Liv.
Reed, R. I., B.Sc., Ph.D. Lond.
Buchanan, C., B.Sc., Ph.D.
Brand, J. C. D., M.Sc., Ph.D. Lond.
Kent, A., M.A., B.Sc., Ph.D.
Storrie, F. R., B.Sc., Ph.D.
Robertson, J., B.Sc.
M'Alpine, Irene M., B.Sc., Ph.D.
Thomson, G., B.Sc., Ph.D.
Raphael, R. A., B.Sc., Ph.D. Lond.
Payne, D. S., B.Sc. Lond., Ph.D. Camb.
Buchanan, G. L., B.Sc.
Clar, E., Dr. Ing. Dresden.
Hemingway, R. G., B.Sc. Leeds.
Nancollas, G. H., B.Sc., Ph.D. Wales.

Assistants

Forbes, E. J., M.A., B.Sc. Oxon.
Jeffreys, J. A. D., B.A. Oxon.
Brown, Christine M., B.Sc.
Boyd, Charlotte A., B.Sc.
Macintyre, W. M., B.Sc.
Thornley, Margaret B., B.Sc.

*Chemistry, Metallurgical*

Hay, R., B.Sc., Ph.D. Lectr.

*Classics : Greek*, v. also Philol.

Gomme, A. W., M.A. Camb., F.B.A. Prof.

Lecturers

Carnegie, J., M.A. Aberd. and Camb.
Chalk, H. H. O., M.A. Oxon.
Wasserstein, A., B.A., Ph.D. Lond.

*Classics : Latin*, v. also Philol.

Fordyce, C. J., M.A. Glas. and Oxon. (Humanity) Prof.

Senior Lecturer

Way, J. A. H., M.A. Oxon.

Lecturers

McGlynn, P., M.A., D.Litt.
Campbell, I. M., M.A. Glas. and Oxon. (Comp. Philol.).
Dilke, O. A. W., M.A. Camb.
Treloar, A., M.A. Melb., B.A. Oxon.

Assistant

McWalter, Winifred W., M.A.

*Constitutional History*

Brown, A. L., M.A. Lectr.

*Dentistry*, v. *infra*

*Divinity*, v. also Hebrew

Riddell, Rev. J. G., M.A., D.D. Edin. Primarius Prof.
Macgregor, Rev. G. H. C., M.A., B.D. Camb., D.D. Edin., D.Litt. (Bib. Crit.) Prof.
Foster, Rev. J., M.A. Birm., D.D. Aberd. (Church Hist.) Prof.
Henderson, Rev. I., M.A., B.D. Edin. (Systematic Theol.) Prof.
Barclay, Rev. W., M.A., B.D. (New Testament) Lectr.
Mechie, Rev. S., M.A. (Church Hist.) Lectr.
Macquarrie, Rev. J., M.A., B.D. (Systematic Theol.) Lectr.

*Economics*, v. Pol. Econ. and Soc. & Econ. Res.

*Education*

Nisbet, S. D., M.A., B.Ed. Edin. Prof.
Richmond, W. K., M.A., M.Ed. Durh. Lectr.
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.B.E., 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.
Drew, K. P. A., B.A. Oxon.

Assistants
Harlow, C. G., B.A. Oxon.
Ure, J. M., M.A.
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.

Lecturers
Haggis, D. R., B.A., Ph.D. Lond.
Classe, A., L. ès L. Paris, D.Litt.
Jones, S., M A. Wales, Ph.D. Camb.
Carr, J. L., B.A. Leeds, L. ès L. Paris.
Scarfe, F. H., M.Litt. Camb., M.A. Durh.
Krailsheimer, A. J., M.A. Oxon., Ph.D.
Saunders, H. R., M.A.
Barbier, C. P., B.A. Leeds.
Whitaker, S. F., B.A. Oxon.

Assistants
Paterson, Elizabeth A., M.A.
Decreus, Juliette C., M.A. Leeds, D.U.P.
Sutherland, G. M., D. de l'U. Paris.
Charpentier, A.-A.

*Genetics*
Pontecorvo, G., Dr.Agr. Pisa, Ph.D. Edin. Reader.

Lecturer
Roper, J. A., B.Sc., Ph.D. Sheff.

Assistant
Cleat, N. D., B.Sc. Edin.

*Geography*
Miller, R., M.A., Ph.D. Edin. 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. Leeds.
Common, R., B.Sc. Durh., Ph.D. Edin.

Assistants
Fullerton, B., B.A. Lond.
Choyce, A. G., M.A.
Moisley, Mrs. Winifred M., M.Sc. Lond.

*Geology*
George, T. N., D.Sc. Wales, Ph.D. Camb. Prof.

Senior Lecturers
Weir, J., M.A., Ph.D., D.Sc.
King, B. C., Ph.D. Lond., D.Sc.

Lecturers
Currie, Ethel D., Ph.D., D.Sc.
Holgate, N., M.Sc., Ph.D. Manc.
Williams, A., B.Sc., Ph.D. Wales.
Boyd, D. M., B.Sc.
Cummings, R. H., B.Sc., Ph.D.

Hon. Research Fellow
Tyrrell, G. W., Ph.D., D.Sc.

Assistants
Latham, Mary H., M.A.
Bloxam, T. W., B.Sc. Edin.
Walton, E. K., B.Sc. Durh.
Pantin, H., B.Sc.
Rast, N., B.Sc.
Bassett, D. A., B.Sc.

*German*

Clark, J. M., M.A. Lond., Ph.D. Heidel. William Jacks Prof.

Lecturers

Betteridge, H. T., M.A. Birm., Ph.D. Lond.
Guder, G., Ph.D. Edin.
Rodger, Gillian B. B., M.A., Ph.D.

Assistants

Gardner, W. R. W., M.A.
Lim, Winifred M., M.A. Edin.
Iser, W.
Northcott, K. J., B.A. Lond.

*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.

*History*, v. also Div., Law, Pol. Econ.

Browning, A., M.A. Glas. and Oxon., D.Litt. Prof.
Mackie, J. D., C.B.E., M.C., M.A. Oxon., LL.D. St. And. (Scottish H.) Prof.

Senior Lecturers

Pryde, G. S., M.A., Ph.D. St. And. (Scottish H.).
Stones, E. L. G., M.A. Glas. and Oxon., Ph.D.
Mosse, W. E. E., M.A., Ph.D. Camb.
Wright, E., B.A. Durh., M.A. Virginia.

Lecturers

Corlett, J. F. R., B.A. Liv.
James, R. I., M.A. Oxon.
Chandaman, C. D., B.A. Lond.
Tumelty, J. J., B.A. Durh.
.....

Assistants

Ramsey, P. H., B.A. Oxon.
.....
Parsons, F. V., B.A. Lond.
Scott, Ella J. W., M.A.
Ferguson, W., M.A.
Stevenson, Anne H., M.A.
Holmes, G. S., M.A., B.Litt. Oxon.

*History of Fine Art*

Young, A. M. Lectr.

*History of Painting*

Honeyman, T. J., M.B., F.R.F.P.S. Glas. Hon. Lectr.

*History of Scots Law*

Paton, G. C. H., M.A., LL.B. Lectr.

*Humanity*, v. Classics

*Italian*

Meiklejohn, M. F. M., M.A. Oxon. Stevenson Prof.
MacKinven, A. D., M.A. Lectr.

Assistants

Mitchell, Mrs. Miranda.
Horne, P. R., B.A.

*Law*, v. *infra*

*Logic and Rhetoric*

Campbell, C. A., D.Lit. Belf., M.A. Prof.

Senior Lecturer

Brown, G., T.D., M.A. Edin.

Lecturers

Levett, Margaret J., M.A. Oxon.
Hirst, R. J., M.A. Oxon.
Russell, J. J., M.A.
Toms, E., B.Sc. Lond., B.A., B.Phil. Oxon.
Leclerc, I., B.A. S.A., M.A. Cape T., Ph.D. Lond.

*Mathematics*

MacRobert, T. M., M.A., D.Sc. Prof.

Senior Lecturers

Arthur, W., M.C., M.A. (Engin. Students).

Robb, R. A., M.S. Mich., M.A., D.Sc., F.R.A.S.
Gillespie, R. P., Ph.D. Camb., M.A., B.Sc.
Graham, T. S., Ph.D. Camb., M.A.

Lecturers

Martin, D., M.A., B.Sc., Ph.D.
McHarg, Elizabeth A., Ph.D. Camb., M.A.
Silvey, S. D., M.A.
Donaldson, W. A., B.A. Camb., M.A.
Hunter, J., B.A. Camb., M.A.
Robertson, A. P., B.A. Camb., M.A.
Fairbairn, W. M., M.A.
Geddes, A., B.A. Camb., B.Sc.

Assistants

Robertson, A. D., M.A.
Dixon, Mrs. Elizabeth, B.Sc.
Garven, Mary S., B.Sc.
Geddes, Winifred E., M.A.

*Medicine and Surgery*, v. *infra*

*Metallurgy*, etc., v. *infra*, Royal Tech. Coll., p. 618

*Mining*

Hibberd, G., Ph.D. Dixon Prof.

*Music*

..... Gardiner Prof.
Rimmer, F. W., Mus.Bac. Durh., B.A. Camb. Cramb Lectr.
Deane, B., B.A., B.Mus. Belf.

*Naval Archit., including Marine Engin.*, v. also *infra*, Royal Tech. Coll., p. 618

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*

..... Lectr.
Holland, M. C. J., B.A. Lond. Asst.

*Philosophy, Moral*, v. also Logic and Psychol.

Maclagan, W. G., M.A. Oxon., Ph.D. Edin. Prof.

Senior Lecturers

Phillips, I. W., M.A.
Raphael, D. D., M.A., D.Phil. Oxon.

Lecturers

Cassirer, H. W., Ph.D. Heidel.
Dickie, J. S., M.A., B.Sc.
Dawson, J. G., B.A. Oxon., Ph.L., S.T.B. Rome.
Leclerc, I., B.A. S.A., M.A. Cape T., Ph.D. Lond.
Lamont, W. D., D.Phil. Oxon., M.A.

*Philosophy, Natural*

Dee, P. I., C.B.E., M.A. Camb., F.I.P., F.R.S. Prof.
Gunn, J. C., M.A. Glas. and Camb. Cargill Prof.

Senior Lecturers

M'Farlane, W., M.A., D.Sc., F.I.P.
Gray, R. C., M.A., D.Sc.
Curran, S. C., Ph.D. Glas. and Camb., M.A., D.Sc., F.R.S.
Atkinson, J. R., M.A. Camb.

Lecturers

Cochrane, C., M.A., B.Sc.
Rhoderick, E. H., M.A. Oxon., Ph.D. Camb.
Lewis, G. M., M.Sc. Lond.
McNeill, J., M.A.
Reid, J. M., M.A.
Giles, R., B.Sc.
Grant, P. J., M.A., Ph.D. Camb.
Muirhead, W. R. H. F., B.Sc. Brist.
Wyllie, G. A. P., Ph.D. Brist., B.Sc.
Burton, W. K., M.Sc.Tech. Manc., Ph.D. Brist.

Moorhouse, R. G., M.A., Ph.D.
Bellamy, E. H., M.A. Camb.
Cockroft, A. L., M.A. Camb.
Rutherglen, J. G., B.Sc. Lond., Ph.D.
McNeill, K. G., M.A., D.Phil. Oxon.
Guggenheimer, K. M., Dr.Phil.

Assistants
Dixon, D., B.Sc.
Rosser, W. G. V., M.Sc., Ph.D. Manc.

*Physiology*
Garry, R. C., M.B., D.Sc., F.R.C.P. Reg. Prof.
Wishart, G. M., M.D., B.Sc., F.R.F.P.S.Glas. Prof. of App. P.

Reader
Garven, H. S. D., B.Sc., M.D.

Senior Lecturers
Weir, J. B. de V., M.A., B.Sc., M.B.
Sloan, A. W., B.Sc., M.B.

Lecturers
Roberts, T. D. M., B.Sc. Lond., Ph.D. Edin.
Morrison, S. D., B.Sc. St. And.
Ferguson, I. D., M.B.
Durnin, J. V. G. A., M.A., M.B. Aberd.
Hale, A. J., M.B.

Honorary Lecturer
Stewart, Group Capt. W. K., A.F.C., B.Sc., M.B. (Aviation P.).

Assistants
Gairns, F. W.
Cumming, Mary C., B.Sc., M.B.
McNaught, Ann B., M.B.

*Political Economy*
Macfie, A. L., LL.B., D.Litt. Adam Smith Prof.

Senior Lecturer
Campbell, A. D., M.A.

Lecturers
Buyers, J. A., M.A. (Econ. Hist.).
.....
Meek, R. L., LL.M. N.Z., Ph.D. Camb.
Orr, Mrs. Sarah C., M.A.
Sleeman, J. F., M.A. St. And. and Manc.
Bell, J. D. M., M.A. Oxon.
Houston, G. F. B., M.A. Edin.
Robertson, D. J., M.A.
Gaskin, M., D.F.C., B.A. Liv.

Assistants
Gibb, E. B., M.A.
.....

*Political Science*

Lecturers
Warrender, J. H., M.A. Oxon.
Stevenson, H. N. C., O.B.E., B.Litt. Camb. (Soc. Anthrop.).

Assistant
.....

*Psychology*
Pickford, R. W., M.A., Ph.D. Camb., D.Litt. Sr. Lectr.

Lecturers
Gardner, P. A. D., M.A., B.Sc., Ed.B., LL.B.
Barbu, Z., Ph.D. Cluj.

Assistants
Weir, A. J., M.A.
McIntyre, Sarah S., M.A., Ph.D., B.Ed. Edin.

*Psychology, Industrial*
Oakley, C. A., B.Sc., Ed.B. Lectr.

*Russian*
Holttum, V. E. J., B.A. Lond. Sr. Lectr.
Borras, F. M., B.A. Oxon. Lectr.

Assistants
Birkett, Natalia Y.
Caird, Shiena N.

*Scottish Literature*
Scott, A. M., M.C., M.A. Aberd. Lectr.

*Slavonic and Eastern European Languages*

Lecturers

Soukup, L., Th.B. Prague, Ph.D. Edin. (Czechoslovakian).
Westfal, S. S., M.A. Warsaw (Polish).

*Social and Economic Institutions, Soviet*

Lecturers

Miller, J., M.A. Sheff.
Schlesinger, R. J. A., Dr. rer. pol. Vienna, Ph.D. Lond.

Assistants

Gottlieb, W. W., Dr. jur. Riga.
Meek, Mrs. Dorothea L., B.A. Oxon.

*Social and Economic Research*

Cairncross, A. K., C.M.G., Ph.D. Camb., M.A. (Appl. Econ.) Prof.

Lecturers

Leser, C. E. V., D.Phil. Zür., M.Sc. Lond.
Paterson, T. T., B.Sc. Edin., M.A., Ph.D. Camb.
Bell, J. D. M., M.A. Oxon.
Baird, R., M.A., LL.B.
Highet, J., D.Phil. Oxon., M.A.

Assistants

Murray, W. M. L., M.A., B.Sc.
Weber, B., B.Sc. Lond.

*Social Study*

Phillips, I. W., M.A. Dir.
Cleveland, Agnes R., B.A. Lond. Tutor.

*Spanish*

Atkinson, W. C., M.A. Belf. Stevenson Prof.

Senior Lecturer

M'Clelland, Ivy L., M.A. Liv.

Lecturer

Metford, J. C. J., M.A. Liv.

Assistant

Vila, C. R.

*Theology*, v. Divinity

*Veterinary Medicine*, v. *infra*

*Zoology*

Yonge, C. M., Ph.D., D.Sc. Edin., F.R.S. Reg. Prof.

Senior Lecturers

Slack, H. D., B.Sc. Lond., Ph.D. Edin.
Robertson, J. D., Ph.D. Camb., B.Sc.

Lecturers

Miller, Agnes E., M.A.
Brian, M. V., M.A. Camb. (Entomol.).
Crowson, R. A., B.Sc. Lond.
Steedman, H. F., B.Sc., Ph.D. Brist.
Barnett, S. A., M.A. Oxon.
Hill, A. R., B.Sc., Ph.D. St. And. (Agric.).
Hopkins, C. A., B.Sc. Leeds, Ph.D. Dub. (Vet.).
Hunter, W. R., B.Sc.
Hoyle, G., B.Sc. Lond.
Smith, I. C., B.Sc. R'dg.
Owen, G., B.Sc. Wales.
Cowey, J. S., B.A. Camb.
Dobson, R. M., B.A. Oxon.

Assistants

Cook, Paula M., B.Sc. Lond.
Clark, R. B., B.Sc. Lond.
Stell, G., B.Sc. Durh.
Clarke, A. S., B.Sc. Leeds.
Allen, J. A., B.Sc. Lond.
Gervers, F. W. K., B.Sc.
Becker, P., B.Sc.

**Dentistry**

Aitchison, J., B.Sc., L.D.S. Prof. and Dir.

Lecturers

Gibson, W. M., M.B. St. And., L.D.S.
Ireland, J., L.D.S.
McNeil, C. K., Ph.D., L.D.S.
Masterton, J. B., B.D.S., H.D.D. Durh.

Thomson, J. C., L.D.S.
Drummond, F. A. B., L.D.S.
Findlay, J., L.D.S.
Noble, H. W., L.D.S., H.D.D.
McDougall, J. C., L.D.S.
MacGilvray, D.
Carmichael, A. F., L.D.S.

**Engineering**

v. also Naval Archit., Mining

*Engineering, Aeronautical*

Duncan, W. J., D.Sc. Lond., F.R.S. Mechan Prof.

Lecturers

Thom, A. S., B.Sc., Ph.D.
Babister, A. W., M.A. Oxon.
Cain, T. H., B.Sc. Lond.

*Engineering, Civil*

Marshall, W. T., B.Sc., Ph.D. Lond. Reg. Prof.

Senior Lecturer

Sutherland, H. B., S.M. Harv.

Lecturers

Gibson, J. E., M.Sc., Ph.D. Durh.
Garven, A. B., B.Sc.

Assistant

Jenkins, W. M., B.Sc.

*Engineering, Electrical*

Hague, B., D.Sc. Lond., Ph.D. James Watt Prof.

Senior Lecturer

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

Lecturers

Parton, J. E., B.Sc., Ph.D. Birm.
Gordon, D. S., B.Sc. Edin.
Sutherland, W. D., B.Sc. Edin.
Foord, T. R., B.Sc., Ph.D.
Czarniecki, F. K., M.Sc. Warsaw, Ph.D. Edin. Asst.

*Engineering, Mechanical*

Small, J., D.Sc. Lond., Ph.D. James Watt Prof.

Senior Lecturers

Geyer, E. W., B.Sc., Ph.D.
Keown, J. E., B.Sc., Ph.D.
Orr, J., B.Sc., Ph.D.
Morrison, J. C., B.Sc., Ph.D.

Lecturers

Paling, V. R., B.Sc.
Cameron, E. R., B.Sc.
Bruges, E. A., B.Sc.
Barr, J., B.Sc.
.....
Donaldson, R., M.Sc.Tech. Manc.
Goudie, G. O., B.Sc. Edin.
Morrison, D., B.Sc.
Corry, J. S., B.Sc. Lond.
Weir, C. D., B.Sc., Ph.D.
Decker, B. E. L., M.Sc.
Mackie, W. W., B.Sc.

Assistants

Fair, E. J., B.Sc.
.....
Maccallum, N. R. L., B.Sc.

*Engineering Production*

Loudon, J. Lectr.

**Law**

Gibb, A. D., M.B.E., Q.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. Camb., LL.B. Asst.

*Administrative Law*

Miller, J. B., M.A., LL.B. Lectr.

*Civil Law*

Muirhead, Sir J. S., D.S.O., M.C., T.D., D.L., B.A. Oxon., LL.D. Edin., LL.B. Lectr.

Assistants

.....
Aitken, G. R. J., M.A., LL.B.

*Const. Law*

Philip, G., M.A. St. And., LL.B. Lectr.
Murdoch, J. D., T.D., M.A., LL.B. Asst.

*Conveyancing*

McLeish, D. A. S., M.A., LL.B. Prof.

Assistants

Aitken, A., M.A., LL.B.
Donaldson, A. K., B.L.

*Evidence and Procedure*

MacDonald, R., B.L. Edin. Lectr.
MacRae, W., M.A., LL.B. Asst.

*International Law, Public*

Neil, J. C., M.A., LL.B. Lectr.
Macdonald, Mrs. Isabel L., M.A., B.L. Asst.

*International Private Law*

Donaldson, A., M.A., LL.B. Lectr.
Bain, N. B., 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. St. And., LL.B. Prof.

Assistants

Carruthers, J. D., M.A. St. And., 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*)

Wishart, G. M., M.D., B.Sc. Dean.

*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.

Senior Lecturers

Lominski, I. R. W., M.D. Cracow.
Ives, J. C. J., M.B. Edin.
Kyles, W. B., M.B.

Lecturers

O'Hea, A. J., M.B.
Bruce, L. G., M.B.
Goudie, J. G., M.B.
Morrison, R. B., B.Sc.
Grist, N. R., B.Sc., M.B. (also Infectious Dis.).
Harper, Elizabeth M., B.Sc.

Assistant

Fairman, Marion, B.Sc.

*Dermatology*

Lecturers

Sommerville, J., M.B.
Harvey, G., M.B.
Smith, Mary S., M.D.

*Ear, Throat and Nose, Diseases of*

Lecturers

Young, G., M.C., M.B.
Young, S., M.B.
Connal, E. A. M., M.B.
Watson, R. J., M.C., M.B.
Strang, A., M.B.
Land, F. T., M.B.

*Eye, Diseases of the*

Riddell, W. J. B., M.D., F.R.F.P.S. Glas. Tennent Prof.

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., D.P.H.

*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., F.R.F.P.S.Glas., F.R.C.P. Gow Lectr.
Shanks, R. A., M.D., F.R.F.P.S. Glas. Lectr.
White, M., M.A., M.B., F.R.F.P.S. Glas., F.R.C.S.Ed. (Surg. and Orthop.) Barclay Lectr.
Laird, A. P., M.B.

Assistants
Ford, F. J., M.D., F.R.F.P.S.Glas.
Giles, Margaret D., M.D.

*Infectious Diseases*
Anderson, T., M.D., F.R.F.P.S. Glas. Reader.

Lecturers
Landsman, Joan B., M.B., F.R.F.P.S.Glas.
Grist, N. R., B.Sc., M.B. (also Bacteriol.).

*Materia Medica*, v. also Med., Clin.
Alstead, S., M.D. Liv., F.R.C.P. Reg. Prof.
..... Sr. Lectr.

Lecturers
Slessor, A., M.B., F.R.F.P.S.Glas.
Lazarus, S., M.D., F.R.F.P.S.Glas.
Macarthur, J. G., M.C., M.B. Aberd.
Lewis, J. J., M.Sc. Manc.
Fulton, W. F. H., M.B.

Assistants
Knox, J., M.B.
Isaacs, B., M.B.
Thomson, T. J., M.B.

*Medical Jurisprudence*
Allison, A., B.Sc., M.B., D.P.H., F.R.F.P.S.Glas. 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.
Senior Lecturer
Brown, A., M.D., F.R.F.P.S.Glas., F.R.C.P.Ed.
Lecturer
McGirr, E. M., B.Sc., M.B., F.R.F.P.S.Glas.
Assistant
Renfrew, S., B.Sc., M.B.

*Medicine, Clinical*
Lecturers
Cruickshank, J. N., M.C., D.Sc., M.D., F.R.F.P.S.Glas., F.R.C.P.
Adams, D. K., M.A., B.Sc., M.D., F.R.F.P.S.Glas., F.R.C.P.
Snodgrass, W. R., M.A., B.Sc., M.D., F.R.F.P.S.Glas.
Smith, D., M.D., F.R.F.P.S.Glas.
Glen, A., M.C., M.D.
Scott, A. M., M.D.
Oastler, E. G., T.D., M.A. Oxon., M.B., F.R.F.P.S.Glas., F.R.C.P.
Macfarlane, J. W., M.C., M.D., F.R.F.P.S.Glas.
Wright, J. H., M.D., F.R.F.P.S. Glas.
McCluskie, J. A. W., M.B., F.R.F.P.S.Glas.
Rennie, J. B., M.D., F.R.F.P.S. Glas.
Scott, L. D. W., M.D., F.R.F.P.S. Glas.

*Medicine, Practice of*
Wayne, E. J., M.Sc., M.D., Ph.D. Leeds, F.R.C.P. Reg. Prof.

Senior Lecturer
Reid, J., M.D.
Richards, R. L., M.D. Aberd.

Lecturers
Gaylor, J. B., M.A., B.Sc., M.B., F.R.F.P.S.Glas.
Simpson, J. A., M.B., F.R.F.P.S. Glas.
Douglas, A. S., B.Sc., M.B.

Assistant
Fraser, T. N., M.D., F.R.F.P.S. Glas.

*Midwifery*
Lennie, R. A., T.D., M.D., F.R.F.P.S.Glas., F.R.C.O.G. Reg. Prof.
McLennan, H. R., M.D., F.R.F.P.S.Glas., F.R.C.O.G. 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.F.P.S.Glas., F.R.C.O.G. (Clin. G.).
Clement, W., M.B., F.R.F.P.S. Glas., F.R.C.O.G. (Clin. G.).
M'Intyre, D., M.B.E., M.D., F.R.C.S.Ed., F.R.F.P.S.Glas., F.R.C.O.G. Samaritan Lectr.
Barr, A., M.B., F.R.F.P.S.Glas., F.R.C.O.G.
Sutherland, A. M., M.D.
Macaskill, Sarah, M.B.

Assistant
MacGillivray, I., M.B.

*Orthopædics*
Barnes, R., B.Sc., M.B. Manc., F.R.C.S., F.R.F.P.S.Glas. Reader.

*Pædiatrics*, v. Infancy and Childhood, 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., F.R.F.P.S. Glas. Prof.
Montgomery, G. L., T.D., Ph.D. St. And., M.D., F.R.F.P.S. Glas. St. Mungo-Notman Prof.

Senior Lecturers
Dick, J. C., M.D.
Hutchison, H. E., M.D.
Symington, T., B.Sc., M.D.

Lecturers
Peacock, P. R., M.B. Lond. F.R.F.P.S.Glas.
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.
Gibson, J. B., M.B.
Curran, R. C., M.B.
Sandison, A. T., B.Sc., M.B. St. And.
Roberts, G. B. S., B.Sc., M.B.
Patrick, R. S., M.B.
.....

Assistant
Good, W., B.Sc.

*Pathology of Diseases of Infancy and Childhood*
MacDonald, A. M., M.D. Edin., F.R.C.P.Ed. Gardiner Lectr.

*Psychiatry* (*Mental Diseases*)

Lecturers
MacNiven, A., M.B., D.P.M. Lond., F.R.C.P.Ed.
McKenzie, I., M.A., B.Sc., M.D., F.R.F.P.S.Glas.
Milne, J., B.Sc., M.B., D.P.M. Lond.

*Psychological Medicine*
Rodger, T. F., B.Sc., M.B., D.P.M. Lond., F.R.C.P.Ed. Prof.

Lecturers
Sclare, I. M. Mackintosh Lectr.
Swann, Margaret B., B.Com. Edin.

Assistant
Andrew, A. M., B.Sc.

*Public Health*

Ferguson, T., M.D., D.Sc., D.P.H. Edin., F.R.C.P.Ed. Henry Mechan Prof.

Senior Lecturer
Meiklejohn, A., M.D., D.P.H. (Indust. Health).

Lecturers
Laidlaw, S. I. A., J.P., B.Sc., B.L., M.D., D.P.H., D.P.A.
Mearns, A. G., B.Sc., M.D., D.P.H.
MacPhail, A. N., M.C., M.B., D.P.H.
Horne, W. A., M.D., D.P.H.

Assistant
Hunter, W., M.B. Edin.

*Surgery*

Illingworth, C. F. W., C.B.E., M.D., Ch.M. Edin., F.R.C.S. Ed. Reg. Prof.
Mackey, W. A., T.D., M.B., F.R.C.S.Ed., F.R.F.P.S. Glas. St. Mungo Prof.

Senior Lecturer
Jamieson, R. A., M.B. Edin., F.R.C.S.Ed.

Lecturers
Murray, A. M., M.B., F.R.C.S.Ed.
Kay, A. W., M.D., Ch.M., F.R.C.S. Ed.
Short, D. W., B.Sc., M.B.
Clark, D. H., M.B.

Assistants
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., F.R.C.S.Ed., F.R.F.P.S.Glas.

*Surgery, Clinical*

Lecturers
Dalziel, G., M.B., F.R.F.P.S.Glas.
Davis, W. B., B.Sc., M.D. Belf.
Fleming, J. P., M.B., F.R.F.P.S. Glas.
Galbraith, W. W., M.B., F.R.C.S. Ed., F.R.F.P.S.Glas.
Newton, T. M., M.B., F.R.F.P.S. Glas.
Robertson, J. H., M.B., F.R.C.S. Ed., F.R.F.P.S.Glas.
Dunbar, J., M.B., F.R.F.P.S.Glas.
Swanson, G. C., M.B.
Clark, A. M., M.C., M.A. Oxon., 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., F.R.F.P.S.Glas.
Mowat, G. T., M.B. Edin., F.R.C.S.Ed., F.R.F.P.S.Glas.
Burdon, I. M., M.B., F.R.C.S.Ed.
Gerstenberg, E. G., M.B., F.R.C.S. Ed.
Kerr, A. B., O.B.E., T.D., B.Sc., M.B., F.R.C.S.Ed., F.R.F.P.S. Glas.
Mailer, R., M.D. Edin., M.S. Minn., F.R.C.S.Ed., F.R.F.P.S.Glas.

*Surgery, Specialist*

Hon. Lecturers
Dick, B. M., M.B. Edin., F.R.C.S. Ed. (Thoracic).
Tough, J. S., M.B. Edin., F.R.C.S. Ed. (Plastic).
Paterson, J. E., M.B., F.R.F.P.S. Glas. (Neuro-).
Robertson, J. S. M., B.Sc., M.B., F.R.C.S. (Neuro-).

*Tuberculosis, Clinical*

Foulis, M. A., M.D. Lectr.

*Venereal Diseases*

Lecturers
Robertson, J. G. M., M.B.
McBeath, J. H., M.B.

**Veterinary Medicine**

*Animal Husbandry and Preventive Medicine*

Inglis, J. S. S., B.Sc.(Agric.) Edin. Sr. Lectr.
Nicolson, N. Lectr.
Pearce, P. J., B.Sc. Asst.
Weipers, Mary, M.A. Asst.

*Veterinary Anatomy*

Lecturers

Smith, Helen J.
McCallum, F. J.
MacDonald, Flora E. F.

*Veterinary Biochemistry*

Mulligan, W., M.Sc. Belf., Ph.D. Lond. Sr. Lectr
Jennings, F. W., B Sc., M.Agric. Belf. Sr. Lectr.

*Veterinary Histology and Embryology*

Aitken, R. N. C. Sr. Lectr.
Hadek, R., Dr. Med. Vet. Vienna Lectr.

*Veterinary Medicine*

McCance, C. M. Lectr.
Marr, A., B.Sc., Ph.D. Edin. Lectr.

*Veterinary Pathology*

Emslie, J. W., B.Sc.(Agric.) Aberd. Prof.

Lecturers

O'Sullivan, J. G.
Urquhart, G. M.
Campbell, R. S. F.
Michna, S. W., V.S. Lwow.

Assistants

Grindlay, M.
Jarrett, W. F. H.
Stewart, Marianne, D.V.S.M.

*Veterinary Physiology*

Black, J. W., M.B. St. And. Sr. Lectr.
MacPherson, Isabel M. M., B.Sc. Asst.
Goddard, Pamela E., B.Sc. Lond. Asst.

*Veterinary Studies*

Weipers, W. L., B.Sc., D.V.S.M. Prof. of Vet. Surg. and Dir. of Vet. Educn.

Senior Lecturer

McIntyre, W. I. M.

Lecturers

Abbott, S. G., M.B.E., D.V.S.M.
Thomson, A.
Lauder, I. M.
Martin, W. B.
Smith, Marianne, D.V.M. Corn. Asst.

*Veterinary Surgery*

Weipers, W. L., B.Sc , D.V.S.M. Prof.
Jennings, S. Sr. Lectr.
Lawson, D. D. Lectr.

**Cramb Music Lecturer**

1952—F. Howes, M.A., Music Critic, *The Times*.

**Dalrymple Lecturer** (Archæology)

Anne S. Robertson, M.A.
1952–53—W. D. Simpson, M.A., D.Litt. Aberd.

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

1952–53—Emer. Prof. A. R. Radcliffe-Brown, M.A. Camb., F.R.A.I.

**Gibson Lecturer** (History of Mathematics)

1952—Prof. H. W. Turnbull, M.A. Oxon. and Camb., F.R.S.

**Gifford Lecturer in Nat. Theol.** (held for 2 to 6 yrs.)

1952—Prof. J. Macmurray, M.C., M.A. Glas. and Oxon.

**Hastie Lecturer** (Encouragement of Theology—held for 3 yrs.)

1952–53—Rev. A. D. Galloway, B.D., Ph.D.

**W. P. Ker Lecturer**

1953–54—Prof. S. Nordal.

**Sir William MacEwen Memorial Lecturer** (biennial)

1952—M. J. Stewart, M B., F.R.F.P.S.Glas.

**David Murray Lecturer**

1953–54—Prof. A. H. Campbell, M.A., B.C.L. Oxon, LL.M. Birm., M.A. Edin.

**Alexander Robertson Lecturer** (Defence of the Christian Religion—not oftener than once in every 2 yrs.)

Prof. J. S. Thomson, M.A., D.D., LL.D.

**Stevenson Lecturer** (Citizenship)

1953–58—J. A. Mack, M.A.

**Extra-Mural Education**

Trump, H. J., M.A. Camb. Dir.
Nicol, W. B. de B., M.A. Aberd. Tutor-Organizer.

Tutors
Lloyd, W. E., B.A. Wales.
Shearer, J. G. S., M.A.
Gillanders, F., M.A.
Williams, R. A., M.A. Wales.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar and Asst. Sec. of Court, G. P. Richardson, M.A.; Finance Officer and Asst. Sec. of Court, L. G. Watt, F.C.I.S.; Asst. Sec. of Court (Works), J. W. C. Wingate, D.A., D.P.A.; Asst. Sec. of Court, J. B. Neilson, M.C., M.A.; Clerk of the Fac. of Medicine, J. O. Westwater; Clerk of Senate's Asst. and Clerk of Facs. of Arts, Div. and Law, C. S. Rankine; Clerk of Senate's Asst. and Clerk of Facs. of Sci. and Engin., J. McCargow, M.A.; Admin. Asst., G. Bradley; Sec. Appts. Cttee. (Men), J. Thomson, M.A., B.Sc., Ph.D.; Asst. Sec. Appts. Cttee. (Men), G. H. C. Harris, B.A.; Sec. Appts. Cttee. (Women), Barbara L. Napier, M.A.; 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 Horslethill House, D. M. Boyd, B.Sc.; Warden Queen Margaret Hall, Mrs. Elsie Conway, B.Sc., Ph.D.

## ASSOCIATED COLLEGES, in which University courses are provided at Glasgow.

THE ROYAL TECHNICAL COLLEGE: *see* p. 618.

THE WEST OF SCOTLAND AGRICULTURAL COLLEGE, 6 Blythswood Square, Glasgow, C.2 (*Telephone*: Douglas 2241-3). Principal, D. S. Hendrie, B.Sc. (Agr.); *Agric.*, D. S. Hendrie, A. B. Smart, B.Sc. (Agr.) Glas.; W. D. Carr, B.Sc. Wales; *Agric. Book-keeping*, A. B. Smart; *Agric. Econ.*, G. F. B. Houston, M.A.; *Agric. Engin. and Surveying*, ..... ; *Agric. Zool.*, D. S. Maclagan, B.Sc. (Agr.), Ph.D., D.Sc. Edin.; Asst.: J. G. Sheals, B.Sc. Wales; *Bacteriol.*, J. F. Malcolm, D.Sc., Ph.D. Lond.; 5 Assts.; *Bee-keeping*, J. Struthers; *Bot.*, Prof. W. W. Fletcher, B.Sc., W. F. Burnett, M.A., B.Sc. Glas.; *Chem.*, H. Nicol, M.Sc., Ph.D. Lond., F.R.I.C.; Asst., J. M. L. Tait, B.Sc.

STUDENTS (1952–53), 257, of whom 60 were ready for University qualifications.

## GENERAL INFORMATION

Founded by a Papal Bull in 1451, after the model of Bologna, the Univ. was reconstituted by a Charter of King James VI of Scotland in 1577.

The LIBRARY, founded in 15th century, contains 394,366 vols., including 300 bks. printed before A.D. 1500. Among its important collections are the Ewing, distinguished for the value and variety of its Bibles; the Hamilton, rich in philosophical works; and the Ferguson, containing rare bks. on the hist. of chem. READING ROOM, founded 1939. The Hunterian MUSEUM, founded in 1783, contains most valuable MSS. and early printed bks. and pictures and important collections of coins, anatomical preparations, zoological and mineral specimens, etc. Large new depts. with spacious LABORATORIES have been erected for Engin., Bot., Nat. Philos., Chem., Physiol., Anat., Pathol., Mat. Med., Forensic Med., Pub. Health and Zool. There are BOTANICAL GARDENS and an OBSERVATORY. As Glasgow stands at the centre of the Shipbldg., Engin., Mining and Industrial area of Scotland, it offers unique opportunities for technical training. 5 large general HOSPITALS are available for clinics, besides special institutions (including Consumption Sanatoria).

FACULTIES AND DEANS. *Arts*, Prof. P. Alexander (Engl.); *Divinity*, Rev. Prof. C. J. Mullo Weir (Hebrew and Semitic Langs.); *Engineering*, Prof. B. Hague (Elect. Engin.); *Law*, Prof. R. Browning (Accountancy); *Medicine*, Prof. G. M. Wishart; *Science*, Prof. T. N. George (Geol.).

ADMISSION. *See* Appendix I.

DEGREES. B.D., B.D.S., B.L., B.Litt., B.Mus., B.V.M.S., B.Sc. (in Agric., Appl. Chem., Archit., Aeronautical Engin., Chem. Engin., Civ. Engin., Elect. Engin., Mech. Engin., Mining, Naval Archit., Pharm., Pure Sci.), Ch.M., D.D., D.Litt., D.Mus., D.Sc. (Fac. of Sci. and in Pub. Health), D.V.M., Ed.B., LL.B., LL.D., M.A., M.B., Ch.B., M.D., M.D.S., M.V.S.; Ph.D. (in all Facs.). Applicns. by overseas students for remission of part of the class attendance for B.Sc. in branches other than Engineering will be considered sympathetically. *Diplomas* in Educn., 1-yr. course, for grads. (the first yr. of the Ed.B. course), in Pub. Admin., Biblical Studies and Dramatic Studies; D.P.H., D.I.H. (1-yr. course) for legally qualified med. practitioners. *Certificates* of Proficiency in Engin. Sci. and in Mining Engin., 3 yrs.' courses, of which first yr. may be taken in Royal Technical Coll.; no prelim. examn. Certificates also awarded in Social Study and in Social Welfare.

For detailed information regarding POSTGRADUATE study and research in any Fac., application should be made to the Dean.

FEES. Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A. (Ord.), 57 gs., (Hons.), 76 gs.; B.D., 51 gs.; LL.B., 52 gs.; B.L., 42 gs.; B.Sc. (Ord. Pure Sci.), 114 gs., (Hons. Pure Sci., or Appl. Sci.), 127 gs.; M.B., Ch.B., 225 gs. for 5 yrs. Combined M.A. and B.Sc., 150 gs. Examn.: M.A., 11½ gs.; B.D., 11½ gs.; LL.B., 13 gs.; B.L., 11½ gs.; B.Sc., 13 gs.; M.B., Ch.B., 37 gs.; Doctorates, 15 to 20 gs.

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

APPOINTMENTS COMMITTEE. Sec. for men's appts.: J. Thomson, M.A., B.Sc., Ph.D. *Postal Address*: The University, W.2. *Telephone*: Kelvin 2231, Ext. 1 (Dr. Thomson). Sec. for women's appts.: Barbara L. Napier, M.A., The University, W.2. *Telephone*: Kelvin 2231, Ext. 28.
Permanent Appts. in 1952 (men and women): 161.

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 613.) For women: Queen Margaret Hall, Bute Gdns., Glasgow, W.2 (*Telephone*: Western 1622), 90 students; Southpark House, 64 Southpark Avenue, Glasgow, W.2 (*Telephone*: Western 4473), 34 students: this House is controlled by the Student Christian Movement. For men: Maclay Hall and Strain Hall, 16-18 Park Terrace, Glasgow, C.3 (*Telephone*: Douglas 5056), 114 students; MacBrayne Hall, 9-13 Park Circus Place, Glasgow, C.3 (*Telephone*: Douglas 5626), 56 students; Kelvin Lodge, 7-8 Park Circus, Glasgow, C.3 (*Telephone*: Douglas 5360), 30 students; Horslethill House, Glasgow (*Telephone*: Kelvin 2732), 21 students.

LODGINGS. Lists of lodgings for men and women students are kept by the Lodgings Officer, 4 University Gdns., Glasgow, W.2 (*Telephone*: Kelvin 2231, Ext. 44).

UNIVERSITY TRAINING CORPS (TERRITORIAL ARMY). Formed 1909 as Sr. Div. O.T.C.; reorganized 1948. C.O.: Lt.-Col. R. M. Howatt, M.C., T.D.; W.R.A.C. Commander: Capt. M. Taylor Jones, M.B.E., 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 Elem. Flying Trng., both ground and air, being 90 hrs.' flying and 110 hrs.' lectures, spread over 3 yrs. C.O.: Wing Commander M. Bunce. H.Q.: 11 Bute Gdns., Glasgow, W.2. *Telephone*: Western 6460.

UNIVERSITY ATHLETIC CLUB. Facilities: Athletics, badminton, basket-ball, boats, boxing, cricket, fencing, fives, golf, hares and hounds, hockey (Men), hockey (Women), judo, rugby, shinty, swimming, tennis. Grounds: Westerlands and Garscadden. *Telephone*: Western 1029, Scotstoun 2759. Hon. Pres.: Dr. John Thomson; Dir. of Phys. Trng.: G. Niven.

STUDENTS' UNIONS. Glasgow University Union, established 1885; present bldgs. opened 1931. Membership open to matriculated men students and former men students of the Univ., to members of the Univ. Court, the Senatus Academicus and the teaching staff. Annual subscription: 2 gs. Pres.: E. G. Thomas, B.Sc. *Postal Address*: University Avenue, Glasgow, W.2. *Telephone*: Western 8697. Queen Margaret Union, founded 1890. Membership open to matriculated women students and women graduates. Annual subscription, £1: 15s. Pres.: Marion A. Forbes. *Postal Address*: University Avenue, Glasgow, W.2. *Telephone*: Kelvin 1025.

SOCIETIES. Graduates Assocn.: Hon. Sec.—D. G. Steen, LL.B., 77 St. Vincent St., Glasgow, C.2. Glasgow Univ. Club, London: Hon. Secs.—H. L. P. Myles, LL.B., 43 Parliament St., Westminster, London, S.W.1; L. G. Scoular, M.D., 48 Wimpole St., London, W.1. Glasgow Univ. Women Graduates' London Assocn.: Hon. Sec.—Mary Downie, M.A., 67 Ashley Gardens, London, S.W.1. Glasgow Univ. Club, Aberdeen, Hon. Sec. . . . . Yorkshire Assocn. of Graduates of the Univ. of Glasgow, Hon. Sec., W. MacAdam, M.D., 24 Park Sq., Leeds, 1. Glasgow Univ. Club, Manchester, Interim Pres., J. A. K. Young, M.B., Kersley, Manchester.

UNIVERSITY EXTENSION. An Extra-Mural Educn. Cttee., equally representative of the Univ. and working-class organizations, is prepared to supply classes, short courses, and single lectures to groups of students in Glasgow and the West of Scotland, so far as its resources will permit; a compendium of classes and lectures for the session is obtainable from the Organizing

Sec., W.E.A., 91 Oakfield Ave., Glasgow, W.2. Fortnightly and occasional free public lectures by profs. and others during the winter session.

PUBLICATIONS. *Calendar*; *Glasgow Univ. Gazette*, each term; *College Courant*, bi-annually; *Glasgow Univ. Magazine*, weekly during winter session; *Examn. Papers*, Prelim. and Degree; *Annual Handbook* for matriculated students; *Handbook* for Overseas students and graduates; *History of the University of Glasgow* (Coutts); *Roll of Graduates* (1727–1897) (Addison); *Matriculation Albums* (1728–1858) (Addison).

## THE YEAR 1951–52

BENEFACTIONS. Dr. A. F. Galloway, residue of estate to encourage res. in connexion with Diseases of Children; Prof. G. Cook, one-eighth share of residue of estate to found Prize in Engineering of £20 p.a.; English Electric Co., Ltd., £500 annually to found Res. Fellowship in Aeronautics; Thomas Gordon's Trustees, £1000 for Vet. Sch.; N. McArthur, £500 to augment C. S. Dougall Prize Fund; Lamberton & Co., £500 towards cost of new Engin. Bldg.; Emer. Prof. G. B. Fleming, £4000 donation to Pædiatrics Equipment Fund; Edward J. Cronin's executory, £103,770 for Univ. General Purposes and for Hunterian Museum; Sir Montague Burton, £100 annually for 7 yrs. to provide annual Lectureship in Internat. Relations.

NEW BUILDINGS, ETC. The following were completed during session: new research wing with synchrotron at Natural Philos. Dept.; new central boiler house and coal store with boiler plant and steam-heating mains, Stage III, at Gilmorehill; new Veterinary Hosp. at Garscube, Stage I; alterations at Vet. Sch., Buccleuch Street, Stage III; alterations at Zool. Dept.; alterations to Queen Margaret Hall of Residence. War damage repairs.

ADULT EDUCATION WORK. Total number of classes: 141 (of which 30 are 3-yr. Tutorial Classes). Total enrolments for all classes: 2709 (1402 men and 1307 women).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. Lespes, Brussels, "Administrative Justice in Belgium"; Dr. S. C. Roberts, Camb., "Thomas Gray, Fellow-Commoner of Pembroke."

RESIGNATIONS. Dr. O. Löwenstein (Zool.); C. M. McCance (Vet. Med.); Dr. M. W. Jepps (Zool.); P. A. Sweet (Astron.); F. M. Simpson (Engin.); Dr. C. A. Hackett (French); Dr. D. Black (Soc. Econ.); Dr. E. R. Rae (Nat. Philos.); W. W. Fletcher (Bot.); O. H. J. Dick (Appts. Cttee.).

DEATHS. Emer. Prof. G. B. Fleming; S. N. Miller (formerly Lectr. in Roman Hist.); J. C. James (Chem.).

HONORARY DEGREES. *D.D.*—Rev. M. U. Baird, Minister of Aberdeen East and Belmont; Rev. E. D. Jarvis, Minister of Wellington; Rev. W. D. Maxwell, Minister of Whitekirk; Rev. Alan Richardson, Canon of Durham; Rev. Norman H. Snaith, Prof. of O.T. Lang. and Lit., Wesley Coll., Headingley. *LL.D.*—The Hon. Sir T. D. King Murray, Lord Birnam, Senator of the College of Justice; C. S. Johnson, President of Fisk Univ.; A. Macbeath, Prof. of Logic and Metaphysics, Belfast; The Rt. Hon. Baron Rowallan; C. H. Browning, formerly Prof. of Bacteriol.; Sir Andrew M. Bryan, formerly H.M. Chief Inspector of Mines; Sir Thomas Dalling, formerly Chief Vet. Officer, Min. of Agric.; Sir Harold Spencer Jones, Astronomer Royal; J. P. Kendall, Prof. of Chemistry, Univ. of Edin.; Sir Cecil P. G. Wakeley, Pres. Royal Coll. of Surgeons.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 556 | 3994 |
| Women | 84 | 1212 |
| Total | 640 | 5206 |

Postgraduate students, 130.

New admissions, 1052.

Students (full-time) from other countries, 261. (Countries from which largest numbers came : India, 44 ; Norway, 27 ; British W. Africa, 25 ; Poland, 15 ; Germany, 12 ; U.S.A., 12.)

DEGREES. B.Sc. (Agric.), 24 ; M.A., 417 ; Ph.D. (Arts), 1 ; B.Mus., 0 ; B.D., 10 ; Ph.D. (Div.), 1 ; Ed.B., 34 ; B.Sc. (Chem.), 8 ; B.Sc. (Civ.), 61 ; B.Sc. (Elect.), 34 ; B.Sc. (Mech.), 50 ; B.Sc. (Min.), 10 ; B.Sc. (Naval Arch.), 8 ; Ph.D. (Eng.), 4 ; B.L., 42 ; LL.B., 45 ; Ph.D. (Law), 1 ; M.B., 205 ; M.D., 19 ; Ch.M., 3 ; Ph.D. (Med.), 1 ; B.Sc. (App. Chem.), 55 ; B.Sc. (Arch.), 6 ; B.Sc. (Pharm.), 14 ; B.Sc. (Pure), 190 ; D.Sc., 1 ; Ph.D. (Science), 40 ; B.D.S., 23.

[*Information compiled as at* 12/5/53 ;
*Staff list revised on* 19/10/53.]

# THE ROYAL TECHNICAL COLLEGE, GLASGOW *

Founded 1796 ; affiliated to the University of Glasgow, 1913

*Postal Address* : George St., Glasgow, C.1., Scotland.
*Telephone* : Glasgow, Bell 2905–8.

CHAIRMAN OF THE BOARD OF GOVERNORS—Sir ANDREW MCCANCE, D.L., D.Sc. Lond., LL.D. Glas., F.R.S.

DIRECTOR—DAVID S. ANDERSON, B.Sc., Ph.D. Glas.

SECRETARY-TREASURER—GEORGE H. THOMSON, B.Com. Lond.

REGISTRAR—W. RUSSELL.

CHIEF CLERK—CHARLES STEWART.

LIBRARIAN—CHARLES G. WOOD, F.L.A.

## TEACHING STAFF

*Architecture and Building*

Smith, W. J., M.C., F.S.A., F.R.I.B.A.
Prof. and Dir. of Arch. Studies.

Senior Lecturers

MacLean, A., B.A. Manc.
Paterson, D. S., D.A. Glas.
Lyon, T. F., D.A. Glas.

Lecturers

Murray, J. E., D.A. Glas.
Brodie, Margaret B., B.Sc., D.A. Glas.
Ramsay, W. N. W., D.A. Glas.
Selby, F., Dipl. Ing. Arch. Berl.
Cordiner, A. D.
Falconer, J.
Morrison, R. S.

Assistant Lecturers

Morris, E. N.
Kendrick, J. D., 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.
Hawthorn, J., B.Sc. Glas. Lectr.
McKenzie, A. Lectr.
Brown, J. M. Lectr.
Cameron, Mary D., B.Sc. Glas. Asst. Lectr.
Styles, E. C. C., B.Sc. Aberd. Asst. Lectr.
McLachlan, D. F. Demr.
Henry, T. Demr.

*Chemistry*

Spring, F. S., Ph.D. Liv., D.Sc. Manc., F.R.S. Freeland Prof.
Cranston, J. A., D.Sc. Glas., F.R.I.C. Principal Lectr.

Senior Lecturers

Hopper, I. V., B.Sc. Lond., Ph.D. Glas., F.R.I.C.

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

Crawford, A. B., B.Sc., Ph.D. Glas., F.R.I.C.
M'Lean, J., B.Sc., Ph.D. Glas., F.R.I.C.

Lecturers

Anderson, H. G. A., B.Sc. Glas., F.R.I.C.
Good, W., D.Sc. Zür.
Alexander, W. A., B.Sc. Lond., F.R.I.C.
Syme, A. C., B.Sc., Ph.D. Glas.
Sharp, W., B.Sc., Ph.D. Glas., F.R.I.C.
Hart, A. B., B.Sc., Ph.D. Lond.
Newbold, G. T., M.Sc., Ph.D. Manc.
Bentley, H. R., B.A., B.Sc., D.Phil. Oxon.
1 Asst. Lectr. and 3 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. Principal Lectr.

Lecturers

Mitchell, T. J., Ph.D. Glas., F.R.I.C.
Gordon, M., M.Sc., Ph.D. Lond., F.R.I.C.
Gibb, W., B.Sc., Ph.D. Glas.
Houghton, G., B.Sc., Ph.D. Lond., M.Sc. Ohio.

*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. Glas. Prof.
Orkney, J. C., B.Sc. Glas. Assoc. Prof.
Scott, A. W., B.Sc., Ph.D. Glas. Assoc. Prof.

Lecturers in charge

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 Lecturers

Garrick, J. A., B.Sc. Durh.
Kenedi, R. M., B.Sc., Ph.D. Glas.
McHutchinson, W. B., B.Sc. Lond.
Frazer, W., B.Sc. Glas.
Stabler, G. V., B.Sc. Durh.
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., D.I.C.

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.
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.
Allan, T., B.Sc. Lond.
Rachman, D., B.Sc. Glas.
Joss, E. J., B.Sc. Glas.
Henderson, A., B.Sc. Lond.
Lauder, W., B.Sc. Glas.
Easton, I. C., B.Sc. Glas.
Holmes, W. T., B.Sc. Glas.
Dykes, A. R., B.Sc. Glas.
Webster, J. T., B.Sc. Lond.
Webb, R. W., B.Sc. Lond.
Crawford, R. A., B.Sc. Glas.
Paul, J. P., B.Sc. Glas.

Assistant Lecturers

Thomas, P. A. V., B.Sc. Lond.

Tooth, Alwyn, M.Sc. Manc.
1 Research Asst.

*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.
Jelonek, Z. J., Dip.Ing. Warsaw.

Lecturers

Martin, W. H., B.Sc. Glas.
Pender, J. T., B.Sc. Glas.
Wood, W. S., B.Sc. Edin.
Potok, M. H. N., B.Sc. Glas.
Matthews, J. E., B.Sc. Lond.
Calderwood, J. H., M.Eng., Ph.D. Liv.
Alston, L. L., B.Sc. Lond.
Fines, R. R., B.Sc. Glas.
Langhorne, T. B. Demr.

*Engineering, Mining*

Hibberd, G., Ph.D. Glas. Prof.

Senior Lecturers

Flett, W. R., B.Sc. Glas., F.G.S.
Stewart, A. W. K., B.Sc. Glas.

Lecturers

Currie, J., B.Sc. St. And.
Burnett, W. R., B.Sc. Edin.

*Industrial Administration*

Shone, K., M.A. Camb. Head of Dept.

Lecturers

Hanika, F. de P.
Loudon, J.
Wood, H. G., M.A., B.Sc. Glas.
Black, N. D. G., B.Sc. Glas.
Costain, G. D., B.Com. Liv.
Matthews, D. G. J., B.A. Durh., M.A. Calif.

*Mathematics*

Pack, D. G., M.A. Oxon., D.Sc. St. And. Prof.
Lord, R. D., M.Sc. Lond. Sr. Lectr.

Lecturers

Williams, W. D., B.Sc. Wales.
Eaton, J. C., M.A. Glas.
Martyn, W., M.Sc. Lond.
Lennox, S. C., B.Sc. Durh.
Bartlett, C. C., B.Sc. Durh.

*Metallurgy*

Hay, R., B.Sc., Ph.D. Glas., F.R.I.C., F.I.M. Prof.

Senior Lecturers

Howat, D. D., B.Sc., Ph.D. Glas., F.R.I.C., F.I.M.
Taylor, J., M.Sc., Ph.D. Durh., F.I.M.

Lecturers

Carter, P. T., B.Sc., Ph.D. Durh.
McLeod, J. M., B.Sc., Ph.D. Glas.
Bell, H. B., B.Sc. Glas.
4 Student Demrs., 1 Res. Asst.

*Natural Philosophy*

Rankin, J. S., B.Sc., Ph.D. Glas., F.I.P. Freeland Prof.

Lecturers

Symon, F. J., B.Sc., Ph.D. Glas.
Milne, E. R. M., M.A. Edin.
Sharpe, J. W., M.A. Glas., F.I.P.
MacNeill, A. C. M., M.A., B.Sc. Glas.
Bagnall, L., M.A. Glas.
McLaren, A. S., B.Sc. Glas.
Wylie, T. S.
Weaver, C., B.Sc. Lond.
McKenzie, A. S. V., B.Sc. Edin.
Luffman, D., M.A. Camb., B.Sc. Wales.

Assistant Lecturer

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, Capt. J. R. Supt.
Hunter, Capt. A. Sr. Lectr.

Lecturers
Hill, Capt. R. T. W.
Baldwin, Capt. G. D.
Brown, Capt. H. H., D.S.C.
Blezard, Capt. W. C.
Kennedy, Capt. D. M.
Warden, Capt. A. M. B.
Whigham, J. E.
Hornall, Capt. E. S.

*Pharmacy*

Todd, J. P., Ph.D. Glas., F.R.I.C. Prof.
Rattray, G. (Pharmacognosy) Sr. Lectr. and Chief Asst.

Senior Lecturers
Lloyd, Miss Blodwen, M.Sc. Wales, Ph.D. Glas. (Biol. and Microbiol.).
Gemmell, D. H. O., B.L. Glas.
Stenlake, J. B., B.Sc., Ph.D. Lond.
Campbell, J. G. C., B.Sc. W.Aust., Dip.Bact. Lond.

Lecturers
Hawthorn, J., B.Sc. Glas.
Fish, F., B.Pharm. Lond.
McIntosh, A. F., B.Sc. Glas.
Comrie, A. M., B.Sc. Glas.
Provan, Margaret, B.Sc. Glas.
Chitton, J., M.Pharm. Lond.
Paterson, J. L., B.Sc. Glas.
Williams, W. D., B.Pharm. Lond.

Assistant Lecturers
Edwards, D., B.Sc. Glas.
Blain, J. A., B.Sc. Glas.
Floodgate, G. D., B.A. Camb.
Dawson, Mary.
Nelson, P. F., B.Sc. Glas.
Anderson, W. F., B.Sc. Glas.
Bell, N. D. S., B.Sc. Glas.
Hutchison, W. M., B.Sc. Glas.
Black, Jessie D., B.Sc. Glas.
Inglis, Anne C., B.Sc. Glas. Asst. Lectr.
2 Research Assts.

*Textile Technology*

Taylor, E. G., B.Sc.Tech. Manc. Supt. and Lectr.

Lecturers
Marvin, A. W.
Elder, H. M.
Knapp, P. E., B.Sc. Lond.
2 Demrs.

## OTHER STAFF

Physical Trg. Instr.: D. Matheson.

## GENERAL INFORMATION

Founded in 1796 under the will of Prof. John Anderson, Anderson's College was, in 1886, joined with the College of Science and Arts (1823), the first "Mechanics Institution," and with the Atkinson Institution (1861) in the Glasgow and West of Scotland Technical College. In 1912 the Governors received Royal authority for the title, Royal Technical College, Glasgow. The Coll. was affiliated with the Univ. of Glasgow in March 1913.

The Coll. operates under the City of Glasgow Royal Technical College Scheme, 1935, of the Educational Endowments Commission, and has a Bd. of Governors (30), half of whom are apptd. by local authorities, public bodies, Faculties and Institutions.

The present Coll. bldg., completed in 1910, has a floor space of over 7 acres, and the Governors have approved an Extension Scheme on an adjoining site to add approx. one-third more accomm. and to provide extensive Engin. labs.

Under the affiliation ordinances, the Coll. provides full qualifying courses for degrees of the Univ. of Glasgow in Engin., Appl. Chem., Pharmacy and Archit. For the Associateship of the Coll. (A.R.T.C.), courses of 4 yrs. are

provided in Civ., Mech., Electr., Chem. and Mining Engin., Naval Archit., Chem. and Technical Chem., Metall., Appl. Phys., Pharm., Food Sci., Microbiol., Bldg. and Textile Technol. The D.R.T.C. is no longer awarded. Entrance qualifications. for the Associateship Courses are given in the *Prospectus* of Day Classes. In the School of Bakery and the Dept. of Textile Technol., the Coll. provides 2-yr. Certif. Courses.

The Glasgow School of Architecture is constituted by the Coll. and the Glasgow School of Art under a Jt. Cttee. of Governors, and issues Dipls. in Archit. (5 yrs.) and Postgrad. Dipls. in Town Planning. With the Glasgow and West of Scotland Commercial College, the Coll. forms the Glasgow School of Management Studies and makes jt. provision of courses in Personnel Management (1 yr.), Works Management, etc.

In Evening and Pt.-time Day Classes the Coll. offers a very wide range of technological training at advanced and postgrad. level. Under the scheme of the W. of Scotland Jt. Cttee. on Classes in Sci. and Technol., the Coll. classes form the apex of a technological educn. triangle, and pt.-time students from all parts of the W. of Scotland complete their courses at the Royal Technical College.

The Coll. policy of fostering res. is greatly strengthened by an active relationship with res. associations and with industry. This adds to the resources of the New Development Fund for Res., and permits the provision of facilities for work on live problems and res. in all branches of engin., chem. and pharmacy, which are organized under the supervision of Coll. staff.

LABORATORIES for undergrad. and postgraduate work and LIBRARIES for ref. and current lit. are provided in every dept. in the Coll. The Andersonian Library, commemorating the Founder of the Coll., houses an extensive range of technical and scientific publicns. (over 30,000), including many of historical interest, the Founder's library and the James Young collection of early alchemical, metallurgical and chem. bks.

SCHOLARSHIPS AND GRANTS. Undergraduate awards of scholarships and travelling grants are available from: Atkinson Bursary; Bellahouston Trust; R. and 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.

RESIDENCE. The Coll. has recently acquired Lochview Hall, 1085 Gt. Western Rd., Glasgow, with accomm. for 25 male students.

FORMER STUDENTS' ASSOCIATION. Formed in 1936. Copies of the *Annual Report* of the Coll. are circulated to all members and social functions arranged regularly. A live register of members is kept by the Hon. Sec. at the Coll. and members going overseas have valued the introductions provided by the Association. Branches of the Assocn. are active in Glasgow, London and S. Africa. Life membership is available to qualified applicants at a fee of £1 : 1s.

The student body acts through the Students' Representative Council and joins with others in the Scottish Union of Students. Facilities for football, rugby, hockey, yachting, dramatics, photog., debating, table tennis, basketball are well used and the Students' Representative Council maintains sports grounds at Cambuslang and, under the supervision of a physical trg. instr. and coach, a mod. gymnasium at the College. Accomm. at the Coll. includes the Union, S.R.C. Offices, Study Rooms and the Muirhead Room for Women Students.

TUITION FEES. Degree Courses—Engin., 114 gs.; Appl. Chem., Pharmacy and Archit., 127 gs.; Associateship Courses, and other Non-degree Courses—

£30 p.a.; Res. Fee—21 gs. p.a. Fees for Courses in Admin. and for pt.-time Classes are shown in the relevant prospectuses.

PUBLICATIONS. *Prospectus of Day Classes*; *Guide to Evening Classes*; *Bursaries, Scholarships and Prizes*; *Prospectuses* for the following: School of Architecture, School of Navigation, School of Pharmacy, Scottish School of Bakery; *Education for Management*; *Town and Country Planning*; *The Annual Report*; *Report on Research.*

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 4371 | 1048 |
| Women | 152 | 87 |
| Total | 4523 | 1135 |

Postgraduate students, 68.

Full-time students reading for a first degree, 598.

First-year admissions to full-time courses, 306.

Students (full-time) from other countries, 110. (Countries from which largest numbers came: India, 30; Norway, 17; Egypt, 15; Pakistan, 6; Poland, 5.)

DEGREES AWARDED. Ph.D. (Glas.), 14; B.Sc. in Applied Science (Glas.), 159; B.Sc. (Lond.), 7.

COLLEGE AWARDS. Associateships in Engineering—Civil, 21; Mechanical, 34; Electrical, 11; Mining, 8; Chem., 2; Metallurgy, 18; Pharmacy, 1; Building, 2; Naval Archit., 1; Tech. Chem., 28; Chemical, 5; Bakery, 4: Total, 135. Diplomas in Engineering Science, 33; Postgrad. Diploma in Microbiol., 1.

[*Information compiled as at* 8/6/53 ;
*Staff list revised on* 20/10/53.]

# UNIVERSITY OF ST. ANDREWS‡

Founded 1411

*Telephone* (University Offices) :
St. Andrews—St. Andrews 1211.
University College, Dundee—Dundee 3131.
Medical School, Dundee—Dundee 3207.

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—His Grace THE DUKE OF HAMILTON, K.T., G.C.V.O., A.F.C., LL.D., D.L.

PRINCIPAL AND VICE-CHANCELLOR—THOMAS MALCOLM KNOX, M.A. Oxon.

RECTOR AND PRESIDENT OF THE UNIVERSITY COURT—The Rt. Hon. the EARL OF CRAWFORD AND BALCARRES, G.B.E., Litt.D. Manc., D.C.L. Oxon., LL.D., F.R.I.B.A.

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., LL.D., D.L.

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.D. Edin. Bute Prof.
Mulligan, J. H., M.B., Ch.B. Aberd. (Neurol. and Histol.) Lectr.
Smith, J. W., M.D. (Regional Anat.) Lectr.
Mutch, J., M.B., B.S. Lond. Lectr.
Dow, D. R., M.D., F.R.C.P.Ed., D.P.H. Prof.*
MacDougall, J. D. B., M.D. Lectr.*
Pearce, G. W. Lectr.*
Whitfield, S., M.B., Ch.B. Lectr.*
Wilson, Mrs. Susan H., M.B., Ch.B. Lectr.*
Mair, W. F., M.D. Edin. Asst.
Silver, J. H. F., M.B., Ch.B. Tutor.

*Astronomy*

Freundlich, E F., Dr.Phil. Gött., M.A. (Dir. of Univ. Observatory) Napier Prof.
Slebarski, T., M.A. Lectr.
Jarrett, A. H., B.Sc. Leeds, M.Sc. Manc., Ph.D. Lectr.
Middlehurst, Barbara M., M.A. Camb. Observer.

* At Dundee.

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

*Biochemistry*, v. Physiology

*Botany*

..... Keeper of Botanic Garden, Prof.†
Macdonald, J. A., B.Sc., Ph.D. Edin., D.Sc. Lectr.
Blackler, Margaret C. H., B.Sc., Ph.D. Liv., F.L.S. Lectr.
Poel, L. W., B.Sc., Ph.D. Liv., F.L.S. Lectr.
Dunn, Mary D., B.Sc., Ph.D. Lectr.
Smith, Edith P., B.A. Oxon., Ph.D., D.Sc. Edin. Lectr.*
Taylor, R. A., B.Sc., Ph.D., D.Sc. Lectr.*
Acheson, Molly E., B.Sc. Birm., Ph.D. Nott. Asst.*

*Chemistry*

Read, J., M.A., Sc.D. Camb., Ph.D. Zür., F.R.S. (Dir. of Chem. Res. Lab.) Prof.
Openshaw, H. T., M.A., D.Phil. Oxon. Purdie Lectr.
Steele, Ettie S., M.A., B.Sc., Ph.D. Lectr.
Macdonald, J. Y., M.A. Oxon., Ph.D. Lond. Lectr.
Lloyd, D. M. G., B.Sc. Brist. Lectr.
Horrex, C., M.Sc., Ph.D. Manc. Lectr.
..... Lectr.
Everett, D. H., M.B.E., B.Sc. R'dg., 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.*
Watson, Mrs. Kathleen M., B.Sc., Ph.D. Edin. Lectr.*
Smith, R. R., M.A., Ph.D. Camb. Lectr.*
Parsons, R., B.Sc., Ph.D. Lond. (Edward A. Deeds Fellow) Lectr.*
Bayles, J. W., M.A., D.Phil. Oxon. Asst.*
Macleod, J. W., B.Sc. Aberd. Asst.*
..... Asst.*

*Classics*

Lorimer, W. L., M.A. Oxon. (Gk.) Prof.
Wright, T. E., M.A. Glas. and Oxon. (Latin) Prof.
Mitford, T. B., M.A. Oxon. (Latin and Class. Archæol.) Lectr.
Young, D. C. C., M.A. (Latin) Lectr.*
Davidson, J., M.A. (Latin) Lectr.
Kidd, I. G., B.A. Oxon., M.A. (Gk.) Lectr.
Simon, J. H., M.A. Oxon. (Latin) Lectr.
Bowman, J., M.A. Glas. and Oxon. Asst.

*Dentistry*, v. *infra*

*Divinity*

Duncan, Very Rev. 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. (Eccles. Hist.) Prof.
Dickie, E. P., M.C., B.A. Oxon., M.A., B.D. Edin., D.D. Prof.
Baillie, D. M., M.A. Edin., D.D. (Systematic Theol.). Prof.
Forrester, W. R., M.C., M.A., D.D. Edin. (Practical Theol. and Christian Ethics) Prof.

*Economics*

Nisbet, J. W., M.A., LL.B. Glas. Prof.

* At Dundee.

† At St. Andrews and Dundee.

Cole, A. V., M.A. Lectr.
Harris, R., B.A. Camb. 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.†
Young, Margaret, M.A., B.Ed. Edin. Asst.†

*Engineering, Civil and Mechanical**

..... Prof.*
Steel, G. S., B.Sc. Lond., Ph.D. (Civ. E. and Struct. Design) Lectr.*
Hall, A. P., B.Sc., Ph.D. Lectr.*
Ballantine, J. R., B.Sc. Lectr.*
McNicoll, W., B.Sc. Lectr.*
Stewart, W., B.Sc. Lectr.*
Gibb, A., B.Sc. Lectr.*
Arthur, P. D., B.Sc. Glas. Lectr.*

*Engineering, Electrical**

Cullwick, E. G., O.B.E., M.A. Camb., F.R.S.C. Watson Watt Prof.*
Mackay, W. M., M.C., T.D., B.Sc. Glas. Lectr.*
Sutcliffe, H., M.A. Camb. Lectr.*
Cruickshank, A. J. O., Ph.D. Glas., B.Sc. Lectr.*
Bennet, J. H., B.Sc. Edin., Ph.D. Aberd. 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.
Ladd, C. A., M.A. Oxon. Lectr.
Falconer, A. F., M.A. Glas., B.A., B.Litt. Oxon. Lectr.*
Walker, W. A., M.A. Edin. and Camb. Lectr.*
Beck, R. J., M.A. Oxon. 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.
Stadelhofen, P. M. de, L. ès L. Lecteur.
Mariès, J. A., L. ès L. Asst.
Hackett, Winifred M., M.A. Oxon. and Manc., D.Phil. Oxon. Lectr.*
Ouston, P. A., B.A. Lond. Lectr.*

*Geography*

Cumming, G. A., B.Sc., Ph.D. Lectr.
MacIver, Kathleen M., M.A. Oxon. Lectr.
Jones, S. J., M.A. Wales Lectr.*
Turner, W. H. K., B.A. Wales Lectr.*
Butler, A. J., B.Sc. Lond. Asst.*

*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. Lond. Lectr.
Scott, J. F., B.Sc., Ph.D. Glas. Lectr.*
Harry, W. T., B.Sc. Leeds Lectr.*
Richey, J. E., B.A., B.A.I., Sc.D. Dub., F.R.S. Lectr.*

*German*

Carr, C. T., M.A. Manc., D.Litt. Prof.
Hayens, K. C., M.A., D.Litt. Glas. Reader.*
Brill, E. V. K., M.A. Lectr.
Harvey, Ruth C., M.A. Oxon. Lectr.

* At Dundee.

† At St. Andrews and Dundee.

Lindsay, J. M., M.A., Ph.D. Aberd. Lectr.
Himmel, A. Lektor.
Strachan, T., M.A. Lectr.*
Robertson, A. G., M.A. Lectr.*
Schaefer, H. T. Demr.*

*Hebrew and Oriental Langs.*

Honeyman, A. M., B.D., Ph.D. Edin., M.A., B.Litt. Prof.
Dobbie, R., M.A. Glas., B.D., M.Th. Lond. Lectr.
Ullendorff, E., M.A. Jerusalem, D.Phil. Oxon. Lectr.

*History, Ancient*

Staveley, E. S., M.A., D.Phil. Oxon. Lectr.

*History, Colonial*

Macmillan, W. M., M.A. Oxon. Lectr. and Dir. of Colonial Studies.

*History, Economic*

Carstairs, A. M., M.A., B.Phil. Lectr.

*History, Mediæval*

Adam, R. J., B.A. Oxon. Lectr.
Watt, D. E. R., M.A. Aberd. Lectr.
Rae, T. I., M.A. Asst.

*History, Modern*

Williams, J. W., M.A., B.Litt. Oxon. Prof.
Ogilvie, Sir Charles M. G., C.S.I., C.B.E., M.A. Oxon. and Camb. Lectr.
Ketelbey, Caroline D. M., M.A. Manc. Lectr.
Wainwright, F. T., B.A., Ph.D. R'dg. Lectr.*
Seed, G., M.A. Durh., A.M. Mich., Ph.D. Lectr.*
Hannam, Una C., M.A. Lond. Asst.*
Menzies, Elizabeth A., M.A. Asst.*
Furley, O. W., M.A. Asst.

*History, Modern, American and Colonial*

..... Lectr.

*History, Scottish*

Cant, R. G., M.A. St. And. and Oxon. Lectr.

*Law, Civil**

Hird, T. L., M.A., LL.B. Edin. Lectr.*

*Law, Conveyancing**

Carlton, H. J., LL.B. Edin., M.A. Lectr.*
Coupar, A. J. W. R., D.F.M., B.L. Asst.*

*Law, Evidence and Procedure**

Tudhope, Mrs. Christian J., LL.B. Edin., M.A. Lectr.*

*Law, Forensic Medicine**

Dorward, W. F., B.Sc., M.B., Ch.B. Lectr.*

*Law, Jurisprudence**

Bowman, B. C., LL.B. Edin., M.A. Lectr.*

*Law, Public International**

Matheson, Prof. A. A., M.A., LL.B. Edin. Lectr.*

*Law, Scots**

Matheson, A. A., M.A., LL.B. Edin. Prof.*
Gillan, A. W., B.L. Aberd. Lectr.*

*Mathematics, Pure and Applied*

Copson, E. T., M.A. Oxon., D.Sc. Edin. Reg. Prof.
Rutherford, D. E., Dr.Math. Amst., M.A., D.Sc. (M. and Applied M.) Reader.
Mitchell, A. R., B.Sc., Ph.D. Lectr.
Gray, J. R., B.Sc. Edin. (Statistics) Lectr.

* At Dundee.

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.
Deas, H. D., M.Sc., Ph.D. Belf. Lectr.
Macbeath, A. M., B.A. Belf., M.A. Camb., Ph.D. Prin. Prof.*
Jackson, J. M., B.Sc. Lond., Ph.D. Camb. Lectr.*
Faulkner, T. E., M.A., Ph.D. Camb. (Statistics) Lectr.*
Wallace, A. H., M.A. Edin., Ph.D. Lectr.*
Vosper, A. G., M.A. Oxon. Lectr.*
Jack, H., M.A. Edin., B.A. Camb. Lectr.*
Anderson, H. G., M.A., Ph.D. Edin. Lectr.*
Pearce, R. P., B.Sc. Lond. Lectr.*

*Medicine and Surgery*, v. *infra*

*Music*

Davie, C. T. Lectr. and Master of Music.

*Philosophy*

Wright, J. N., M.A. Durh. (Logic and Metaphysics) Prof.
Henderson, G. P., B.A. Oxon., M.A. Lectr.
Lloyd, A. C., M.A. Oxon. Lectr.
Smith, R. N. W., M.A. Oxon. and Glas. Lectr.
Goddard, L., M.A. Asst.
Mundle, C. W. K., B.A. Oxon., M.A. Lectr.*
Cohen, L. J., M.A. Oxon. Lectr.*

*Philosophy, Moral*

..... Prof.
Wernham, A. G., M.A. Aberd., B.A. Oxon. Lectr.
Kemp, J., M.A. Oxon. Lectr.

*Physics*

Allen, J. F., M.A. Tor. and Camb., Ph.D. Tor., F.R.S. Prof.
Jack, D., M.A., B.Sc. Edin., Ph.D., F.I.P. Reader.
Woolley, R. L., M.A. Camb. Lectr.
Barkla, H. M., M.A. Camb., B.Sc. Edin. Lectr.
M'Call, D. M., B.Sc. Lectr
Adamson, J., M.Sc. Manc. Lectr.
Rushworth, F. A., B.Sc. Lond. Lectr.
Andrew, E. R., M.A., Ph.D. Camb. Lectr.
ter Haar, D., D.Sc. Leiden, M.A. Lectr
Preston, G. D., M.A., Sc.D. Camb., F.I.P. Harris Prof.*
Smith, Winifred J., B.Sc., Ph.D. Lectr.*
Baranowski, D., B.S. Paris Lectr.*
Macdonald, S. G. G., M.A. Edin. Lectr.*
Iball, J., Ph.D., D.Sc. Wales, F.I.P. Lectr.*
Clark, Mrs. Sheena M., B.Sc. Edin. Lectr.*
Walton, G. F., M.A., D.Phil. Oxon. Lectr.*
Hutchinson, W. C. A., B.Sc., Ph.D. Durh. Lectr.*
McKie, J., B.Sc. Durh. (Med. Phys.) Lectr.*

*Physiology*

Ritchie, A. E., M.A., B.Sc. Aberd., M.D. Edin. Chandos Prof.
Bayne, S., B.Sc., M.B., Ch.B. (Biochem.) Lectr.
Tristram, G. R., B.Sc., Ph.D. Liv. (Biochem.) Lectr.
Taylor, J. H., M.B., Ch.B. Edin., D.P.H. Lectr.
Crossland, J., M.A. Oxon., Ph.D. Wales Lectr.
Lenman, J. A. R., M.B., Ch.B. Edin. Asst.

* At Dundee.

Fewster, J. A., B.Sc., Ph.D. (Biochem.) Asst.
Bell, G. H., B.Sc., M.D. Glas., F.R.F.P.S.Glas. Prof.*
Cook, R. P., B.Sc. Melb., Ph.D., D.Sc., M.B., B.Chir. Camb. (Biochem.) Lectr.*
Thomson, Mrs. Margaret B., B.Sc., Ph.D. (Biochem.) Lectr.*
Andrew, B. L., B.Sc. Lond. Lectr.*
MacQueen, A. T., M.B., Ch.B. Edin. Lectr.*
Howe, A., B.Sc. Lond. Lectr.
Mackenzie, R. M., B.Sc. Asst.*

*Polish*

Seliga, S., M.A., Ph.D. Warsaw Lectr.

*Political Science*

Coatman, J., C.I.E., M.A. Oxon. Lectr.*

*Psychology*

Ferguson, H. H., M.A. Lectr.
Flook, A. J., B.A. Lond. Lectr.
Ramsay, S. G., B.Sc. Edin. Lectr.

*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.
Dodd, Mrs. Margaret H. I., B.Sc. Aberd., Ph.D. Harv. Lectr.
Stevens, J. L., B.Sc. Glas. Asst.
Morris, Lydia, B.Sc. Birm. Asst.
Peacock, A. D., D.Sc. Durh. Prof.*
Waterhouse, F. L., M.Sc. Manc., Ph.D. Lectr.*
Sanderson, Ann R., B.Sc., Ph.D. Lectr.*
Sudd, J. H., B.A. Camb., Ph.D. Lond. Asst.*

**Dentistry***

*Dental Anatomy**

Symons, N. B. B., B.D.S., B.Sc. Belf. Lectr.*

*Dental Anæsthetics**

Emmerson, J., M.B., Ch.B. Glas. Lectr.*
Ferguson, J. G., M.B., Ch.B. Asst.*
Nelson, N., M.B., Ch.B. Asst.*

*Dental Jurisprudence**

Tattersall, W. R., L.D.S., H.D.D. Lectr.*

*Dental Mechanics and Prosthetics**

Anderson, J. N., B.D.S. Sheff. Lectr.*
Hutcheson, J. Tech. Instr.*
Elder, R. Tech. Instr.*
Lyon, F. F. Tech. Instr.*

*Dental Metallurgy**

Whyte, R., L.D.S., D.P.D., Ph.D. Lectr.*

*Dental Surgery**

Hitchin, A. D., L.D.S., M.D.S. Durh., F.D.S. Prof.*
Thompson, Isabelle M., M.B., B.S., L.D.S. Durh. Asst.*
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.*
Hatt, S. D., B.D.S. Lectr.*

*Orthodontics**

Munro, D., L.D.S. Glas. (Orth. and D. Dis. of Children) Lectr.*

* At Dundee.

Whyte, R., L.D.S., D.P.D., Ph.D. (Dental Diagnosis) Asst.*
Jones, F., L.D.S. Manc. Asst.*

*Parodontal Diseases and Preventive Dentistry**
Bradford, E. W., M.D.S. Sheff. Lectr.*

*Public Dentistry**
Finlayson, D. A., L.D.S. Edin. Asst.*

**Medicine***
(for pre-clinical subjects—Anat., etc., v. *supra*)

*Anæsthetics**
Shearer, W. M., B.Sc., M.D., D.A., F.F.A.R.C.S. Lectr.*
Muir, Margaret C., M.B., Ch.B. Asst.*
Soutar, Mrs. Margaret E., M.B., Ch.B. Asst.*
Emmerson, J., M.B., Ch.B. Glas. Asst.*
Buchanan, W. E. A., M.B., Ch.B. Asst.*
Butters, Isobel J. D., M.B., Ch.B. Glas. Asst.*

*Bacteriology**
Tulloch, W. J., O.B.E., M.D. Prof.*
Brodie, J., M.D., D.P.H. Lectr.*
Shepherd, W., M.B., Ch.B. Lectr.*
Dunbar, J. M., B.Sc., M.D. Lectr.*
Green, D. M., M.B., Ch.B. Lectr.*
Sommerville, T., M.D. Edin. Lectr.*
Chawla, G. S., M.D. Asst.*
Walls, Janette N., B.Sc. Glas. Asst.*
Simmons, D. A. R., M.B., Ch.B. Asst.*

*Child Health**
Henderson, J. L., M.D. Edin., F.R.C.P.Ed. James Mackenzie Prof.*
Thomson, J., M.B., Ch.B. Edin., F.R.C.P.Ed. Lectr.*
Mitchell, R. G., M.B., Ch.B. Edin. Lectr.*

*Dietetics**
Doig, Mary Asst.*

*Diseases, Infectious**
Jamieson, W. M., M.D., D.P.H. (Fevers) Lectr.*
Proudfoot, Mary E., M.B., Ch.B. Asst.*

*Diseases, Mental**
Bell, A. A., M.B., Ch.B. Glas., F.R.F.P.S.Glas., D.P.M. Lectr.*

*Diseases, Skin**
Kinnear, J., O.B.E., T.D., D.L., M.D., F.R.C.P.Ed. Lectr.*
Buchanan, T. K., M.B., Ch.B. Lectr.*
Rogers, J., B.Sc, M.B., Ch.B. Glas. Clin. Tutor.*
Finn, O. A., M.D. Glas. Clin. Tutor.*

*Diseases, Throat, Nose and Ear**
Gibson, M. J., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Gibb, A. G., M.B., Ch.B. Aberd. Lectr.*
Mowat, J., M.B., Ch.B. Aberd., F.R.C.S.Ed. Lectr.*
Mitchell, J. F. O., M.D. Edin., D.L.O., F.R.C.S.Ed. Lectr.*

*Forensic Medicine**
Dorward, W. F., B.Sc., M.B., Ch.B. Lectr.*
Menzies, Helen, M.B., Ch.B. Asst.*
Turnbull, Priscilla E., M.B., Ch.B. Edin. Asst.*

*Genetics**
Smith, Edith P., B.A. Oxon., Ph.D. Edin. Instr.*

*Gynæcology and Midwifery**
Fairlie, Margaret, M.B., Ch.B., F.R.C.O.G. Prof.*

* At Dundee.

Herring, Jean, B.Sc., M.B., Ch.B., F.R.C.S.Ed., F.R.C.O.G. Lectr.*
Buchan, A., M.B., Ch.B. Aberd., F.R.C.S.Ed. Lectr.*
Fraser, I. T., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Reid, S. M., M.A., M.B., Ch.B. Aberd. Lectr.*

*Materia Medica*, v. Pharmacology

*Medicine**

Hill, I. G. W., C.B.E., T.D., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.*
Lowe, K. G., M.D. Lectr.*

*Medicine, Clinical**

Hunter, Prof. R. B. (v. Mat. Med.) Lectr.*
Hill, Prof. I. G. W. (v. Med.) Lectr.*
Clark, J. G., M.D. Lectr.*
Kirkland, A. A., M.D. Glas., F.R.F.P.S. Glas. Lectr.*
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.D., D.P.H. Lectr.*
Gibson, R., M.D. Glas., D.P.M. Lond. (Mental Deficiency) Lectr.*
Fraser-Steele, G. D., M.B., Ch.B. Edin., F.R.C.P.Ed. Lectr.*
Brown, O. T., M.B., Ch.B. Glas., F.R.F.P.S. Glas. Lectr.*
Macintosh, A. E., M.B., Ch.B. Aberd. Tutor.*

*Medicine, History of**

Patrick, Emer. Prof. A., M.A., M.D. Glas., LL.D. Glas. and St. And., F.R.F.P.S. Glas., F.R.C.P. Lond. and Ed. Lectr.*

*Midwifery*, v. Gynæcology, *supra*

*Ophthalmology**

Scott, A. A. B., M.D. Lectr.*
Tulloch, A. K., M.B., Ch.B. Lectr.*
Mathers, R. M., M.B., Ch.B. Lectr.*

*Orthopædics**

Smillie, I. S., O.B.E., M.B., Ch.M. Edin., F.R.C.S.Ed., F.R.F.P.S. Glas. Lectr.*
Muckart, R. D., M.B., Ch.B. Glas., F.R.C.S.Ed., F.R.F.P.S. Glas. Lectr.*
Hutchison, J., M.B., Ch.B. Glas., F.R.C.S.Ed. Asst.*
Sutherland, I. D., M.D. Edin., F.R.C.S.Ed. Asst.*
Murdoch, G., M.B., Ch.B., F.R.C.S.Ed. Asst.*

*Pathology**

Lendrum, A. C., M.A., B.Sc., M.D. Glas. Prof.*
Tudhope, G. R., M.B., Ch.B., M.D., Ph.D., D.P.H. Lectr.*
Goodall, H. B., M.B., Ch.B. Lectr.*
Morgan, H. G., B.Sc., M.B., Ch.B. Lectr.*
Bird, T., M.B., B.S. Durh. Lectr.*
Park, W. W., M.B., Ch.B. Edin. Lectr.*
Smith, G. H., M.D. Lectr.*
Prain, J. H., M.D. Lectr.*
Mackay, Katharine M., B.Sc. Edin. Asst.*
Stewart, W. K., M.B., Ch.B. Asst.*
Scott, D. G., M.B., Ch.B. Edin. Asst.*
Haslock, Margaret R., B.Sc. Asst.*
Robertson, M. H., M.B., Ch.B. Asst.*

* At Dundee.

Cameron, H. M., M.B., B.Ch. Belf. Asst.*
Attwood, H. D., M.B., Ch.B. Asst.*
Graham, Mrs. Frances S., M.A., M.B., Ch.B. Aberd. Demr.*
Johnstone, Mrs. Dorothy, M.B., Ch.B. Demr.*

*Pharmacology and Therapeutics**
Hunter, R. B., M.B., Ch.B. Edin. Prof. of Materia Medica.*
Frew, J. S., B.Sc., M.B. Ch.B., Glas. (Therapeutics) Lectr.*
Walker, W., M.A., M.B., Ch.B. (Therapeutics) Lectr.*
West, G. B., Ph.D., B.Pharm. Lond. (Pharmacol.) Lectr.*
Shepherd, D. M., B.Sc., Ph.D. (Pharmacol.) Lectr.*
Taylor, N. R. W., M.B., Ch.B. Edin. (Pharmacol.) Lectr.*
Tudhope, G. R., B.Sc., M.B., Ch.B. (Therapeutics) Asst.*
O'Meara, D., B.A., B.Sc. Dub. Asst.*

*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.*
Mair, A., M.D., D.P.H. Aberd. Lectr.*
Fyfe, G. M., M.B., Ch.B., D.P.H. Aberd. Lectr.*
Graham, H. A., B.Sc., M.D., F.R.C.S.Ed. Lectr.*
Dorward, W. F., B.Sc., M.B., Ch.B. (Community Immunization) Asst.*
Fulton, Annie A., M.D., D.P.H. (Child Welfare) Asst.*
Gerrard, Dora W., M.B., Ch.B. Edin., D.P.H. (Child Welfare) Asst.*
Dow, Agnes W., M.A., M.B., Ch.B. (Physical Educn.) Asst.*
Needham, J., F.R.I.B.A. 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., D.M.R., F.R.C.S.Ed. Lectr.*
Swanson, W. C., M.B., Ch.B. Glas., D.M.R. Lectr.*
Riley, J. F., M.D., F.R.C.S. Edin. Lectr.*
Pickard, C., B.Sc., M.B., Ch.B. Leeds, D.M.R. Lectr.*

*Surgery**
Douglas, D. M., M.B.E., M.S. Minn., M.B., Ch.M., F.R.C.S. Eng. and Edin. Prof.*
Grieve, J., B.Sc., M.B., Ch.B., F.R.C.S.Ed. Lectr.*
Ritchie, H. D., M.A. Camb., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*

*Surgery, Clinical**
Douglas, Prof. D. M. Lectr.*
Brown, F. R., O.B.E., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Campbell, W. G., M.B., Ch.M., L.D.S., F.R.C.S. Lectr.*
Sturrock, G. M., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.*
Soutar, S. F., M.B., Ch.B., F.R.C.S.Ed. Lectr.*
Charleson, C., B.A., B.M., B.Ch. Oxon., F.R.C.S.Ed. Lectr.*
Kirkpatrick, E. R. G., M.B., Ch.M. Syd., F.R.C.S.Ed. Lectr.*
Kinnear, J. S., M.B., Ch.B., F.R.C.S.Ed. Lectr.*

*Tuberculosis**
McIntosh, D. G., M.B., Ch.B., D.P.H. Lectr.*

* At Dundee.

Smith, D. H., M.D. Lectr.*
*Venereal Diseases**
Keay, D. M., M.B., Ch.B., D.P.H. Lectr.*
Finnigan, Mrs. Jeannie P., M.B., Ch.B., D.P.H. Asst.*

**Andrew Lang Lecturer**
1953–54—.....

**Gifford Lecturer in Nat. Theol.**
1953–54 and 1954–55—Prof. C. A. Campbell, M.A. Glas., D.Lit. Belf.

## ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICES—*St. Andrews*: Asst. Secs. and Registrars, D. M. Devine, M.A. Glas., W. W. Tweedie, B.L. Glas. Asst. Quæstors and Factors, G. C. Taylor, W. B. Borthwick, LL.B. Glas., M.A., Univ. Solicitor. Senior Medical School (Dundee), Admin. Officer, R. N. M. Robertson, M.A., LL.B. Glas. *Dundee*: Univ. Coll.: Sec. and Treasurer, P. Cumming, M.A., LL.B. Aberd. Asst. Treasurer, G. N. Fraser. Asst. Sec., D. Douglas, D.S.O.

LIBRARY—*St. Andrews*: Sub-Librarian, D. MacArthur, M.A., B.Sc. Glas., F.L.A. *Dundee*: Librarian of Univ. Coll., W. M. Dickie, M.A., Ph.D. Aberd., F.L.A.; Sub-Librarian, D. W. Doughty, M.A. Camb.

APPOINTMENTS BOARD—Sec., A. Smith, M.A.

MEDICAL OFFICERS, STUDENT HEALTH SERVICE—*St. Andrews*—W. F. Mair, M.D. Edin.; *Dundee*—H. J. Gibson, M.B., Ch.B. Edin., B.L.

PHYSICAL TRAINING INSTRUCTORS—*St. Andrews*—Margaret Haydock, A. W. Campbell; *Dundee*—Mrs. Agnes Muir, J. A. Qusklay.

ADVISERS OF STUDENTS—*St. Andrews*: in Arts, Prof. T. E. Wright, Caroline D. M. Ketelbey, A. G. Wernham, R. M. Logan; in Sci., Dr. D. Jack; Dr. J. Y. Macdonald, Dr. J. A. Macdonald; in Med., Prof. R. Walmsley. *Dundee*: in Arts, Dr. K. C. Hayens; in Sci., Prof. G. D. Preston; in Med., Prof. W. J. Tulloch; in Engineering, Prof. E. G. Cullwick; in Dentistry, Prof. A. D. Hitchin; in Law, B. C. Bowman.

WARDENS OF RESIDENCES—*St. Andrews*: Sr. Warden of Men's Residences, J. B. Salmond, M.A., LL.D.; University Hall, Mrs. Johanna M. Graham, B.Sc.; MacIntosh Hall, Ettie S. Steele, B.Sc., Ph.D.; *Dundee*: University College Hall, G. R. Tudhope, M.D., Ph.D.; West Park Hall, Winifred M. Hackett, M.A., D.Phil.; William Low Residence, W. Shepherd, M.B., Ch.B.

## GENERAL INFORMATION

The University, founded in 1411, is the oldest in Scotland. St. Salvator's College was founded in 1450 and St. Leonard's College in 1512. The third St. Andrews College, St. Mary's, founded in 1537, has, since 1579, been restricted to the teaching of Theology. In 1747 the Colleges of St. Salvator and St. Leonard were amalgamated to form the United College of St. Salvator and St. Leonard. University College, Dundee, founded in 1881, was in 1897 affiliated to the University of St. Andrews, and at the same time the Conjoint Medical School was established in Dundee.

LIBRARY. Approx. 400,000 printed vols. (some of 15th and 16th centuries). MSS. include fine Persian specimens and large folio Antiphonarium. College Library at Dundee. MUSEUMS at St. Andrews—Anat., Anthrop., Ethnol., Geol., Mineral., Nat. Hist.; at Dundee—Geol., Med., Nat. Hist. LABORA-

* At Dundee.

TORIES at St. Andrews—in all above depts. except Med., also Chem. (with special Research lab.), Marine, Physics, Astronomy (Observatory), Physiol., Bot. Garden. At Dundee—Anat., Bact., Chem., Embryol., Engin. (Elect., Hydraulic, Mech.), Mat. Med., Maths., Nat. Hist., Physics, Physiol., Pathol.

TEACHING HOSPITALS. *Dundee*—Royal Infirmary, Maryfield Hosp., King's Cross Infectious Diseases Hosp., Westgreen Mental Hosp.; *Perth*—Royal Infirmary.

FACULTIES AND DEANS. *Arts*, Prof. T. E. Wright (Lat.); *Divinity*, Prof. J. H. Baxter (Eccles. Hist.); *Medicine*, Prof. W. J. Tulloch (Bact.); *Science*, Prof. E. T. Copson (Maths.).

ADMISSION. *See* Appendix I.

DEGREES. M.A. Ord., B.Sc. Ord., B.Sc. Ord. in Engin., B.L., 3 yrs.; M.A. Hons., B.Sc. Hons., B.Sc. Hons. in Engin., 4 yrs.; B.D.S., 5 yrs., of which not less than 3 at the Univ., the remaining 2 at a recognized Univ. or Sch.; M.B., Ch.B., 6 yrs.; Ed.B., 2 yrs. after 1st degree; B.D., 3 yrs. after Arts degree or other recognized degree or dipl.; LL.B., 3 yrs. after Arts degree.

Courses for graduation in Arts and Science are given both in 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, comprises 5 subjects which must include (*a*) Logic *or* Moral Philos.; (*b*) Latin *or* Greek *or* Hebrew *or* Maths. and a lang. other than English, *or* 2 modern foreign langs., of which German or Arabic must be one. In the Special Examn. 2 cognate subjects must be taken, the whole examn. being passed at one time. The curriculum for the M.A. Hons. Degree extends over 4 yrs. and involves first passing the General examn. as a whole, except that candidates offering an Hons. Group in Langs. or in Maths. and Science are not required to pass more than 4 subjects in the General Examn. The Final Hons. examn. is taken at the end of the 4th yr.

The B.Sc. Ordinary degree in Pure Science involves a 3 yrs.' course, embracing at least 4 subjects with a 1st examn. (4 subjects) and a 2nd (2 subjects); the Honours degree involves an additional yr.'s course, devoted exclusively to advanced study in the Hons. subject.

Higher degrees: D.Litt., 5 yrs. after M.A. Hons., B.Phil., B.Litt., B.Sc. Hons. or Ed.B.; B.Phil., by dissertation 1 yr. after previous degree in Arts or Div.; B.Litt. by examn., either conjointly with or after the M.A. degree; D.Sc., 5 yrs. after B.Sc. Hons., or 5 yrs. after B.Sc. Ord. provided Hons. degree is passed in subject related to thesis; M.D. or Ch.M., 1 yr. after M.B., Ch.B., candidate must be at least 24; M.D.S., 2 yrs. after 1st dental degree by examn. and thesis; D.D.Sc., 5 yrs. after 1st dental qualification, which may be L.D.S. if candidate also holds degree in Fac. of Med. or Sci. of a British or approved overseas Univ.; Ph.D., normally 3 yrs. after 1st degree which, in exceptional cases, may be reduced to 2 yrs. The D.D. and LL.D. are honorary only.

DIPLOMAS. Education for graduates who complete the first year of the Ed.B. course; D.P.H. and D.P.D., 1-yr. courses which cannot be taken until 2 yrs. and 1 yr. respectively after attaining med. or dent. qualifcn.

FEES. Matriculation, £2 : 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., £233 : 2s.; B.D.S., £140; Ed.B., £48 : 6s. Combined Courses: M.A. and B.L., £84; M.A. (Hons.) and B.L., £103 : 19s.; M.A. and LL.B., £94 : 10s.; M.A. (Hons.) and LL.B., £114 : 9s.; M.A. and B.Sc., £157 : 10s.; M.A. and M.B., Ch.B., to be fixed; M.A., B.Sc. and M.B., Ch.B., to be fixed; B.Sc. and M.B., Ch.B., to be fixed; D.P.D., £36 : 15s.; D.P.H., £48. The above do not include fees for cases of labour, or laboratory fees for use of apparatus, etc. Maximum fee for Research students, 21 gs. p.a. Degree fees for M.A., B.D. or B.L., 11½ gs.; B.Sc. or Ed.B. or LL.B., 13 gs.; M.B., Ch.B., £38 : 17s.; B.D.S., £30 : 9s.; M.D., Ch.M. or D.D.Sc., 20 gs.; D.Litt., D.Sc. or M.D.S., 15 gs.; Ph.D., 15 gs.; D.P.H., 16 gs.; B.Phil. or B.Litt., 10 gs.; D.P.D., 5 gs. Dipl. in Educn., £4 : 14 : 6.

EXTRA-MURAL CLASSES. No extra-mural classes conducted directly by the Univ. but the Univ. is represented on a Cttee. which organizes such classes in counties of Fife, Perth, Kinross, Clackmannan and Angus and in City of Dundee.

APPOINTMENTS BOARD. The Appts. Bd. exists for the dual purpose of helping graduates to find suitable employment and advising students on careers open to them and the most suitable courses to follow with a view to entering particular employment. The Bd. has offices at 81 North St., St. Andrews (*Telephone*: 750), and 10 Park Pl., Dundee (*Telephone*: 5247).

RESIDENCE. (For Wardens *see* " Administrative and other Staff," p. 633.) For Women: *St. Andrews* (fees: from £105 per session)—University Hall, 120 students (*Telephone*: 729); MacIntosh Hall, 120 students (*Telephone*: 894); *Dundee* (fees: £95 to £103 : 10s. per session)—West Park Hall, 72 students (*Telephone*: 67169). For Men: *St. Andrews* (fees: £115 per session, except Deans Court for which rates are slightly higher)—St. Salvator's Hall, 120 students (*Telephone*: 408); Deans Court, 17 research students (*Telephone*: 1185); St. Regulus Hall, 85 students (*Telephone*: 356); Hepburn Hall, 25 students (*Telephone*: 885); Hamilton Hall, 100 students (*Telephone*: 1086). *Dundee*—University College Hall, 125 students (*Telephone*: 3396) (fees: £95 to £103 : 10s. per session); William Low Residence, 34 students (*Telephone*: 2719), for medical students during clinical studies (fees: £98 : 10s. to £103 : 10s. per session). In each case the charge for Residence is exclusive of tuition fees.

UNIVERSITY TRAINING CORPS. (T.A.) Established 1908 as O.T.C.; reorganized 1948. Units: Infantry, Signals, Medical, Intelligence, W.R.A.C. H.Q.: 16 Park Wynd, Dundee (*Telephone*: 3571); St. Andrews—Units: 49 North St., St. Andrews (*Telephone*: 667). UNIVERSITY AIR SQUADRON. Full course of trg. both flying and ground, conducted by fully qualified R.A.F. instrs. H.Q.: 83 North St., St. Andrews (*Telephone*: 939). ROYAL NAVAL VOLUNTEER RESERVE, Tay Division (H.M.S. *Cressy*, Dundee). Students carry out 3 wks.' trg. at sea during vacation. Women students may enrol in the W.R.N.S., Tay Division, R.N.V.R.

STUDENT HEALTH SERVICE. Medical Officers are in attendance at St. Andrews and Dundee and the Service can be utilized without charge by all matriculated students. A routine medical examn. (including X-ray of the chest) is optional and is carried out only at the student's own request. Consulting Rooms: 6 Howard Pl., St. Andrews, and 5 Airlie Pl., Dundee.

ATHLETIC UNION. The Athletic Union is a federal body for co-ordination of all student athletic activities. In both St. Andrews and Dundee there are extensive playing-fields laid out for all the major field sports, and also well-equipped gymnasia. There are Dirs. of Physical Trg. for men and women students both in St. Andrews and Dundee.

STUDENTS' UNIONS. In St. Andrews and Dundee, Unions for both men and women students adjoin the Coll. bldgs. In addition to usual club facilities, the Unions provide lunches at low cost.

AN ALUMNUS ASSOCIATION was founded in 1926. Alumnus Clubs exist in London, Birmingham, Edinburgh, Glasgow, Johannesburg, Yorkshire, Roxburgh, Manchester, Aberdeen, Toronto and Rhodesia. Information may be obtained from the Secretary, Alumnus Association, The University, St. Andrews.

PUBLICATIONS. *Calendar* (Sept.), 12s. 6d.; Alumnus Association's *Chronicle* (half-yrly.); Students' Representative Council's *College Echoes*. Histories: *A Short History of the University of St. Andrews*, by R. G. Cant (Oliver and Boyd, 1946); *The College of St. Salvator*, R. G. Cant (Oliver and Boyd, 1950).

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Dr. C. A. Carlow, annuity of £1000 p.a. for 7 yrs., to provide Scholps. for Div. students attending St. Mary's Coll.; Rockefeller Foundation, grant of $1700 towards purchase of Craig Counter-Current Distribution Apparatus for use in Chem. Dept., United Coll.; Monsanto Chemicals Ltd., further grant of £500 p.a., to enable a continental scientist to work in Dept. of Chem., Univ. Coll.; Shell Petroleum Co. Ltd., grant of £500 for 2 yrs., to assist postgrad. res. in Dept. of Chem., United Coll.; Med. Res. Council, grant of £300 p.a., to assist. res. work of Dept. of Chem., United Coll.; Pharmaceutical Laboratories Geigy Ltd., grant of £300 towards expenses of res. project in Dept. of Pharmacol. and Therapeutics; J. F. Macfarlan & Co. Ltd., grant of £250 plus fees, to enable res. student to undertake a particular piece of res. in Dept. of Chem., United Coll.; I.C.I. Ltd., grant of £250, to cover cost of sp. chemicals, refrigerates, etc., in Dept. of Chem., United Coll.; by B.X. Plastics, grant of £250, to finance res. student in Dept. of Chem., Univ. Coll., for 1 yr.; anon. donor, gift of £150, to found prize to be awarded in Dept. of Obstet. and Gynæcol.; D'Arcy Thompson Commemoration Fund, gift of 100 gs., to provide medals to be awarded each yr. in Depts. of Zool. in the Univ. Various gifts of books, MSS., etc.

NEW BUILDINGS. Extensions to Residence Halls in St. Andrews and Dundee.

EXTRA-MURAL CLASSES. Number of students attending courses of lectures (Adult Educn.), 1773.

RESIGNATIONS. I. W. Alexander (French); P. W. Rowe (Engin.); Jean M. Berneaud (French); D. E. Berlyne (Psychol.); Eliz. A. D. Robson (French); G. A. Usher (Med. Hist.); R. W. V. Elliott (Engl.); A. Maddison (Econ.); J. W. Craggs (Maths.); J. Coatman (Soc. Scis.).

HONORARY DEGREES. *D.D.*—Very Rev. W. S. Andrew, Rector of St. Andrews Church and Dean of Episcopal Diocese of St. Andrews; Dr. O. Dibelius, Bishop of Berlin, Pres. of Council of Evangelical Church of Germany; Rev. J. F. Philip, formerly Minister of Crieff, South. *LL.D.*—Emer. Prof.

R. C. Alexander, formerly Prof. of Surg., Univ. of St. Andrews ; A. E. Borthwick, Scottish Artist ; C. A. Carlow, Chairman and Managing Dir., Fife Coal Co. ; W. C. Dickinson, Prof. of Anc. (Scottish) Hist., Edin. U. ; T. Guthrie, Playwright and Producer ; W. F. Oakeshott, Headmaster of Winchester ; H. J. Paton, Prof. of Moral Philos., Oxon. ; Emer. Prof. A. Patrick, formerly Prof. of Medicine, St. And. U. ; Margery F. Perham, Fellow of Nuffield Coll., Oxon. ; J. Rogers, Chairman of I.C.I. Ltd. ; H. W. Turnbull, formerly Reg. Prof. of Maths., St. And. U.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 116 | 1170 |
| Women | 59 | 652 |
| Total | 175 | 1822 |

Postgraduate students, 111.

New admissions, 396.

Students (full-time) from other countries, 106. (Countries from which largest numbers came : British W. Africa, 16 ; Norway, 10 ; British W. Indies, 8 ; Anglo-Egyptian Sudan, 6 ; India, 5 ; Poland, 5 ; S. Rhodesia, 5 ; U.S.A., 5.)

Numbers of students in the various Colleges of the Univ. :

| | *Men* | *Women* |
|---|---|---|
| United Coll., St. Andrews | 664 | 525 |
| St. Mary's Coll., St. Andrews | 44 | 3 |
| Senior Medical and Dent. Sch., Dundee | 160 | 61 |
| University Coll., Dundee | 418 | 122 |
| | 1286 | 711 |

DEGREES, ETC. *Arts* : D.Litt., 1 ; Ph.D., 2 ; B.Phil., 3 ; M.A., 193. *Div.* : Ph.D., 2 ; B.D., 6 ; *Educn.* : Ed.B., 9 ; *Law* : B.L., 2 ; *Med.* : M.D., 2 ; M.B., Ch.B., 89 ; *Sci.* : D.Sc., 1 ; Ph.D., 6 ; B.Sc., 132. Dipl. in Dent. Surg., 15 ; Dipl. in Educn., 59 ; Dipl. in Public Dent., 1 ; Dipl. in Public Health, 8. Hons. granted subsequent to graduation : Arts, 49 ; Sci., 49.

[*Information compiled as at* 14/5/53 ;
*Staff list revised on* 5/10/53.]

# THE QUEEN'S UNIVERSITY OF BELFAST*

Established by Charter 1908 ; founded as Queen's College 1845

*Telegrams and Cables* : University, Belfast, Northern Ireland.
*Telephone* : Belfast 30111.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—Field-Marshal THE VISCOUNT ALANBROOKE, K.G., G.C.B., O.M., G.C.V.O., D.S.O., LL.D.

PRO-CHANCELLORS—The Rt. Hon. LORD MACDERMOTT OF BELMONT, M.C., LL.D., Lord Chief Justice of N. Ireland ; Brigadier JOHN A. SINTON, V.C., O.B.E., M.D., B.Ch., D.Sc., F.R.S.

PRESIDENT AND VICE-CHANCELLOR—E. ASHBY, D.Sc. Lond., Sc.D. Dub., D.I.C., F.L.S.

REPRESENTATIVES IN PARLIAMENT—

NORTHERN IRELAND—EILEEN M. HICKEY, B.Sc., M.D., D.P.H., F.R.C.P.I. ; S. T. IRWIN, C.B.E., B.A., M.B., B.A.O., M.Ch., F.R.C.S.Ed., D.L. ; FREDERIC T. LLOYD-DODD, O.B.E., M.A., D.Sc. ; BESSIE H. MACONACHIE, B.A., H.Dip.Ed.

REGISTRAR—THOMAS ALAN SINCLAIR, M.A. Camb.

HONORARY TREASURER—WALTER R. KNOX.

LIBRARIAN—J. J. GRANEEK, M.A. Birm.

SECRETARY—G. R. COWIE, M.A., LL.B. Aberd.

BURSAR—G. D. BURLAND, B.A., B.Comm. Dub.

CHAIRMAN OF CONVOCATION—S. T. IRWIN, C.B.E., D.L., B.A., M.Ch., F.R.C.S., M.P.

## TEACHING STAFF

*Accounting*, v. Economics

*Agriculture*, v. *infra*

*Anatomy*

Pritchard, J. J., B.Sc. Adel., M.A., B.Ch., D.M. Oxon. Prof.

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.

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

Vincent, S. A., M.B., F.R.C.S. Pt.-time Lectr.
3 Asst. Lectrs., 3 Pt.-time Demrs.

*Ancient History*

Atkinson, Mrs. Kathleen M. T., M.A. Oxon. Reader.

*Archæology*

Jope, E. M., M.A., B.Sc. Oxon., F.S.A. Lectr.
1 Res. Asst.

*Biochemistry*

Harrison, D. C., D.Sc. Lond., Ph.D. Camb. J. C. White Prof.
Malpress, F. H., B.A. Oxon., Ph.D. R'dg. Reader.
Leslie, I., B.Sc. Aberd., Ph.D. Glas. J. C. White Lectr.
2 Asst. Lectrs., 1 Res. Asst.

*Botany*

Small, J., D.Sc. Lond. Prof.
Simon, E. W., M.A., D.Phil. Oxon. Lectr.
Parker, R. E., B.Sc. (For.), B.Sc. Wales Lectr.
Kertland, Mary P. H., M.Sc. Curator of Herbarium.
2 Asst. Lectrs.

*Celtic*

..... Prof.
Arthurs, J. B., M.A. Lectr.
1 Asst. Lectr., 1 Res. Asst.

*Chemistry*

Ubbelohde, A. R. J. P., M.A., D.Sc. Oxon., B.Sc. Lond., F.R.I.C., F.R.S. Prof.
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.
Mackle, H., D.Phil. Oxon., M.Sc., Ph.D. Lectr.
Pinder, A. R., B.Sc., Ph.D. Sheff., D.Phil. Oxon. Lectr.
Heal, H. G., B.Sc., Ph.D. Lond. Lectr.
Woodward, Ida, M.A. Oxon. Temp. Res. Lectr.
10 Asst. Lectrs.

*Classics: Greek*

Sinclair, T. A., M.A. Camb. Prof.
Phillips, E. D., M.A. Oxon. Lectr.

*Classics: Latin*

Boyd, M. J., M.A. Oxon., B.A. Prof.
Bower, E. W., M.A. Oxon. Lectr.
Smallwood, Miss E. M., M.A., Ph.D. Camb. Lectr.
1 Asst. Lectr.

*Dentistry*, v. *infra*

*Economic History*

Connell, K. H., B.Sc. (Econ.), Ph.D. Lond., M.A. Oxon. Sr. Lectr.

*Economics*

Isles, K. S., M.A., M.Sc. Camb. Prof.
Carter, C. F., M.A. Camb. (Appl. E.) Prof.

Lecturers

Black, R. D. C., M.A., B.Comm., Ph.D. Dub.
Cuthbert, N., M.A., B.Com.Sc. (Stats.).
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 Res. Asst.

*Education*

Knox, H. M., M.A., Ed.B., Ph.D. Edin. Prof.
Sutherland, Margaret B., M.A., Ed.B. Glas. Lectr.
Wrigley, J., B.Sc., M.Ed. Manc. Lectr.
1 Asst. Lectr.

*Engineering, Civil*
Naylor, A. H., M.Sc. Birm., B.Sc. (Eng.) Lond. Prof.
Finnan, E. J., M.Sc. Sr. Lectr.
Lecturers
Sidwell, E. H., M.Sc.
Godden, W. G., M.Sc., Ph.D.
McDowell, D. M., B.Sc. St. And. (Hydraulics).
Stuart, J. G., B.Sc. Wales (Soil Mech.).
2 Asst. Lectrs.

*English Language and Literature*
Baxter, F. W., M.A. Oxon. Prof.
McDiarmid, M. P., M.A. Glas., B.Litt. Oxon. Sr. Lectr.
Braidwood, J., M.A. Glas. Lectr.
Carnall, G. D., M.A. Oxon. Lectr.
1 Asst. Lectr.

*French and Romance Philology*
Bisson, L. A., M.A., D.Litt. Oxon., Dr. de l'U. Bordeaux Prof.
Lecturers
Godin, H. J. G., B.A. Lond., L. ès L. Lille, M.A., Ph.D.
Japolsky, L., B.A. Oxon.
Nurse, P. H., B.A. Oxon.
Davies, J. C., B.A., Dip.Ed. Syd., D. de l'U. Paris.
1 Asst. Lectr., 2 Lecteurs.

*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.
Graham, Miss J. M., M.Sc. Temp. Lectr.
2 Asst. Lectrs., 1 Res. Asst.

*Geology*
Charlesworth, J. K., D.Sc. Leeds, Ph.D. Bres. Prof.
Preston, J., B.Sc. (Tech.), B.Sc. Manc. Lectr.
1 Asst. Lectr.

*German*
Hinderks, H. E., M.A. Hamburg, D.Phil. Basle Prof.
Brooke, K., B.A. Birm. Lectr.
1 Asst. Lectr.

*Histology*
Strangeways, Dorothy H., M.A. Camb., Ph.D. Leeds Lectr.

*History*
Roberts, M., M.A., D.Phil. Oxon. Prof.
Beckett, J. C., M.A. Reader.
Lecturers
Gray, J. W., M.A. Oxon.
Graham, A. H., M.A. Glas.
1 Asst. Lectr., 2 Res. Assts.

*History, Ancient*, v. Anc. Hist.

*History, Economic*, v. Economic History

*Jurisprudence*
Newark, F. H., B.C.L., M.A. Oxon. Prof.

*Law*
Montrose, J. L., LL.B. Lond. Prof.
Lecturers
Edwards, J. L. J., M.A. Camb., LL.B. Wales.
Williams, D. C., M.A., LL.B. Camb.
Sheridan, L. A., LL.B. Lond.
Conaghan, R. H., B.A. Pt.-time Lectr.
Clarke, G. D., LL.B. Pt.-time Lectr.
1 Asst. Lectr.

*Mathematics, Applied* [Prof.
Bates, D. R., D.Sc. Lond., M.Sc.
Lecturers
Herivel, J. W. J., B.A. Camb.
Dalgarno, A., B.Sc., Ph.D. Lond.
1 Asst. Lectr.

*Mathematics, Pure*

Verblunsky, S., B.A., Ph.D. Camb. Prof.
Cooper, R. H., M.A., Ph.D. Camb. Reader.
Henstock, R., M.A., Ph.D. Lond.
Dennis, S. C. R., B.Sc., Ph.D. Lond. (Engin. Maths.) Lectr.
Williamson, J. H., M.A. Edin. Lectr.
Adamson, I. T. A. C., B.Sc. St. And., M.A. Prin. Lectr.
3 Asst. Lectrs.

*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., C.B.E., M.A., LL.D. 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. Sr. Lectr.

*Philosophy, Scholastic*

Lecturers
Crowley, Rev. T., D.Ph., Lic. Sc. Hist., Maître 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.
Bransden, B. H., B.Sc., Ph.D. Lond. Lectr.
Gibson, W. M., M.A., Ph.D. Camb. Lectr.
Armstrong, E. B., B.Sc., Ph.D. Lectr.
1 Res. Asst., 8 Asst. Lectrs.

*Physiology*

Greenfield, A. D. M., M.Sc., M.B., B.S., D.Sc. 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.D. (For Dental Students) Lectr.
3 Asst. Lectrs.

*Political Science*

Lemberger, J., M.A. Oxon. Lectr.

*Psychology*

Seth, G., M.A., B.Ed., Ph.D. Edin. Sr. Lectr.
McEwen, P., B.Sc. Edin. Lectr.
1 Asst. Lectr.

*Social Studies*

Neill, D. G., M.A. Dub. Lectr. and Dir.
McManus, Sally C., B.A. Tutor.
McIlreavey, F., B.Com.Sc. Pt.-time Tutor.
Gilmore, Mrs. Mary J., B.A. Pt.-time Asst. Tutor.
MacMillan, M. Patricia Pt.-time Asst. Tutor.

*Spanish*

Llubera, I. M. G., M.A., D.Litt. Madrid Musgrave Prof.
Tate, R. B., M.A. 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.
..... (Exper. Zool.) Lectr.
Gotto, R. V., M.Sc. Lectr.
2 Asst. Lectrs., 1 Museum Asst. (Pt.-time).

## Arts

Extra-Mural staff at Magee University College, Londonderry :—

*Economics*

Meredith, H. O., O.B.E., M.A., M.Com. Recog. T.
Robinson, Olive, B.Com.Sc. Recog. T.

*English Literature*

Marshall, R. L., M.A., LL.D. N.U.I. Recog. T.

*French*

Cohn, N., M.A. Oxon. Recog. T.
Wardman, H. W., B.A., Ph.D. Lond. Recog. T.

*Geography*

McCourt, D., M.A., Ph.D. Recog. T.

*German*

Cohn, N., M.A. Oxon. Recog. T.
Edwards, O. H., Ph.D. Bonn, M.A. Recog. T.

*History*

McCracken, J. L., M.A., Ph.D. Recog. T.
Brown, J., M.A. Dub. Recog. T.

*Latin and Greek*

Finnegan, T., M.A. Camb., B.A. Recog. T.
Ussher, R. G., B.A. Dub. Recog. T.
Lelievre, F. J., M.A. Camb. Recog. T.

*Logic and Philosophy*

Robinson, T. H., M.A., B.D. Dub. Recog. T.
Nicholl, H. F., M.A. Dub. Recog. T.

*Mathematics, Pure and Applied*

Guthrie, W. G., M.A. Edin., Ph.D. St. And. Recog. T.
Burgess, D. C. J., M.A., Ph.D. Camb., B.Sc. Recog. T.

## Agriculture

*Agr. Botany*

Linehan, P. A., D.Sc. N.U.I., M.Agr. Prof.

Assistant Lecturers

Dales, Mrs. Helen, M.A., B.Sc. Edin.
Lowe, J., M.Agr.
Stewart, R. H., B.Agr.

*Agr. Chemistry*

Baskett, R. G., O.B.E., M.Sc. R'dg. Prof.
Houston, J., D.Sc. Reader.

Lecturers

Robinson, K. L., B.Sc., B.Agr.
McConaghy, S., B.Sc., M.Agr.

Assistant Lecturers

McAllister, J. S. V., D.F.C., D.F.M., B.Agr.
Brown, W. O., B.Sc., M.Agr.
Jordan, J. W., B.Agr.
Parish, D. H., B.Sc. Leeds.
McAleese, D. M., B.Sc., B.Agr.

*Agr. Economics*

Liversage, V., B.Sc. (Agr.) Lond., M.Sc. (Econ.) Lectr.

*Agr. Zoology*

Chamberlain, R., B.A., Dip.Agr. Camb. Reader.
Willis, R. J., B.Sc. Asst. Lectr.
..... Asst. Lectr.

*Agriculture, Bacteriology of*

Clerkin, P., B.Sc., B.Agr.Sc. N.U.I. Lectr.

Assistant Lecturers

Knowles, N. R., M.Sc. R'dg.
Murray, J. G., M.Agr.

*Comparative Pathology*

Lamont, H. G., O.B.E., D.Sc. Prof.

*Crop and Animal Husbandry*

Morrison, J., B.Sc. Aberd. Prof.

Hale, R. W., B.Sc. (Agr.) Lond. Lectr.

*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

McCreary, C. W. R., M.Sc.
Calvert, E. L., M.Agr.
Lowings, P. H., B.Sc., B.Agr.

*Plant Genetics and Plant Breeding*

Wilson, E. V. B., B.Sc. Lectr.
Hodges, D. J., B.Agr. Asst. Lectr.
Wright, C. E., B.Sc., B.Agr. Asst. Lectr.

*Veterinary Science*

Kerr, W. R., B.Sc. Edin., Ph.D., D.V.S.M. Lectr.

Assistant Lecturers

McNabb, T., B.Sc., Ph.D.
Pearson, J. K. L., Ph.D.
Luke, D., Ph.D.
Gordon, W. A. M.

## Economics

Extra-Mural staff at Munic. Coll. of Technol. :—

*Commercial Law*

Boyd, W. E., LL.B. Temp. Recog. T.

*French*

Astle, E. W. B., M.A. Recog. T.

## Medicine

(for pre-clinical subjects, v. *supra*)

*Anæsthetics*

..... Lectr.

1 Principal Tutor.

*Bacteriology*

..... Prof.

Graham, N. C., M.B., D.P.H. J. C. White Lectureship 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.

1 Principal Tutor, 1 Sr. Tutor, 4 Jr. Tutors.

*Dentistry*

Stoy, P. J., B.D.S. Birm., F.D.S.R.C.S. Prof.

McKeag, H. T. A., B.A., B.Dent.Sc. Dub., F.D.S.R.C.S. (Orthod.). Reader.

Lecturers

Smith, R. J., B.D.S. Birm. (Operative Dent. Surg.).

..... (Properties of Dent. Materials).

Saunsbury, P., M.Sc. Manc. (Prosthetics and Mechanics).

Benson, J. K. H., B.D.S., M.B., Ch.B. Manc., F.D.S.R.C.S. (Dent. Surg.).

Part-time Lecturers

Porter, D. C., M.D. (Dent. Radiol.).

Brown, W. M., M.D., D.P.H. (Anæsthetics).

Megaw, J. McI., M.B., F.R.C.S.Ed. (Surg. for Dent. Students).

Strain, R. W. M., B.Sc., M.D. (Med. for Dent. Students).

Cullen, P. M. (D. Mat. Med.).

*Dermatology*

McCaw, I. H., M.D. Pt.-time Lectr.

*Health Services*

Boyd, J., M.A., M.D., D.P.H., F.R.C.P.I. Pt.-time Lectr.

*Infectious Diseases*

Kane, F. F., M.D., D.P.H., F.R.C.P.I. Pt.-time Lectr.

*Materia Medica and Therapeutics*

Part-time Lecturers

Cronhelm, H. J., M.D.

Pantridge, J. F., M.C., M.D.

*Medicine*

Bull, G. M., M.D. Cape T. Prof.

Womersley, R. A., M.A., M.B. Camb. Lectr.

4 Clin. Lectrs., 1 Principal Tutor, 1 Sr. Tutor, 4 Jr. Tutors, 1 Pt.-time Asst.

*Medicine, Forensic*

..... Pt.-time Lectr.

*Medicine, Psychological*

..... Pt.-time Lectr.

*Medicine, Social and Preventive*

Stevenson, A. C., B.Sc., M.D. Glas., D.P.H. Lond. Prof.

Cheeseman, E. A., B.Sc. (Econ.), Ph.D. Lond. (Med. Stats.) Reader.

Lecturer

Blair, E. Maud McV., M.Sc., Ph.D. (Public Health Chem.).

2 Almoners.

*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., 1 Principal Tutor, 2 Sr. Tutors, 4 Jr. Tutors.

*Ophthalmology*

Wheeler, J. R., M.B., D.L.O., D.O.M.S., F.R.C.S.Ed. Pt.-time Lectr.

4 Clinical Lectrs.

*Oto-Laryngology*

MacLaughlin, F. A., M.B., F.R.C.S. Pt.-time Lectr.

*Pathology*

Biggart, J. H., C.B.E., D.Sc., M.D. Dir. of Inst. of Pathol.; Musgrave Prof.

Morison, J. E., D.Sc., M.D. Reader.

Lecturers

McKeown, Elizabeth F., M.D. (Morbid Anat.).

Drennan, A. J. M., M.B., F.R.C.P. Ed. (Appl. 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)*

Swann, W. G., B.Sc. Lond., M.D., D.P.H. Pt.-time Lectr.

*Radiology*

Montgomery, F. P., M.C., M.B., D.M.R.E., F.F.R. Pt.-time Lectr.

*Surgery*

Rodgers, H. W., O.B.E., M.B. Lond., F.R.C.S. Prof.

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

4 Clinical Lectrs., 1 Principal Tutor, 1 Sr. Tutor, 4 Jr. Tutors.

*Surgery, Oper., and Applied Anat.*

Lavery, M. B., M.B., M.Sc., F.R.C.S. Pt.-time Lectr.

*Toxicology*

Smiley, J. A., M.D. Pt.-time Lectr.

*Tuberculosis*

Clarke, B. R., M.D. Pt.-time Lectr.

**Technology**

(v. also Agr., and Eng., Civil)

Extra-Mural staff (Hon.) being Profs., Lectrs. and Recognized Teachers (Recog. T.) at the Munic. Coll. of Technol. as under :—

*Architecture, Naval*

Cameron, R. R. G., B.Sc. Recog. T.
West, B. L. Recog. T.

*Botany*

McCourt, G. H., M.Sc. Recog. T.

*Chemical Technology*

Lecturers

Crawford, M., M.Sc. Glas., Ph.D. Munich.
.....

*Chemistry*

Hughes, Kathleen H., B.A. Dub., M.Sc. Lectr.
Porter, J. W., M.Sc. Dub., F.R.I.C. Lectr.
Barry, Ruth J. W., M.Sc. Recog. T.
Tyrrall, E., M.Sc. Manc. Recog. T.
Blair, H. S., B.Sc. Temp Recog. T.

*Electrical Engineering*

Burns, P. L., M.Sc. Manc. Prof.
Allen, T. P., M.Sc. Lectr.

Recognized Teachers

McIlhagger, D. S., M.Sc., Ph.D.
Gillies, J. F., B.E., B.Sc. (Eng.), Ph.D.
McBride, James M. W., B.Sc.
Bromley, A. A., M.Sc.
Fitton, J., B.Sc. Manc., M.Sc.
MacNeill, N. J., M.Sc.
Girvan, S. B., B.Sc.

*Engineering Drawing*

McCreedy, M. Temp. Recog. T.

*Engines, Heat, and Practice of Machine Des. and Construcn.*

Recognized Teachers

Craig, F. V.
Newel, D. G., B.Sc.
.....
Jennings, R.
Harvey, G. R.

*French*

Astle, E. W. B., M.A. Recog. T.

*Mathematics, Pure*

Griffith, L., B.Sc. (Eng.), M.A. Lond. Lectr.
Davies, A. L., M.A. Sheff. Lectr.
O'Neill, F. R., B.A. Recog. T.
Scott, S. A., M.A. Recog. T.

*Mechanical Engineering*

Warnock, F. V., M.Sc., Ph.D., F.R.C.Sc.I. Prof.
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.

*Microbiology*

Heatley, Mrs. Patricia, M.A. Recog. T.

*Pharmacy, Pharmaceutics and Pharmacognosy*

Young, C. W. Lectr.
Magill, J. A., B.Sc. Recog. T.

*Physics*

Crowley, T. A., B.Sc. Lond., Ph.D. Lectr.
Fitton, J., B.Sc. Manc., M.Sc. Recog. T.
France, R. W., M.Sc., Ph.D. Sheff. Recog. T.

*Physiology*

Glass, G. M., M.B. Temp. Recog. T.

*Textiles*

Dorman, H. J., M.Sc. Lectr.
Pringle, A. V. Recog. T.
Silcock, M. Recog. T.

*Workshop Practice*

McClenaghan, T. Recog. T.

*Zoology*

Davidson, Dorothy C., B.Sc. Recog. T.

**Theology**

(i) Extra-Mural staff (Hon.), being Recognized Teachers of the Assembly's Coll. of the Presbyterian Coll. in Ireland :—

*Hebrew and O.T. Theology*

Wilson, Rev. R. J., M.A. N.U.I., B.D. Lond. Recog. T.

*Hebrew, Biblical Theology, Hellenistic and N.T. Greek*

Davey, Rev. J. E., M.A. Camb., D.D. St. And. and Edin. Recog. T.

*Philosophy of Religion, History of Christian Doctrine, Christian Ethics*

Haire, Rev. J. L. M., M.A. Oxon., B.D., M.Th. Lond., B.D. Recog. T.

(ii) Extra-Mural staff, being members of staff of Edgehill Theological College :—

*Biblical Theol., Philos. of Religion*

Northridge, Rev. W. L., M.A., Ph.D., B.D., M.Th. Lond. Recog. T.

*Hebrew and Old Testament*

Greenwood, Rev. R., B.A., B.D. Dub. Recog. T.

*New Testament, Hellenistic; and New Testament, Greek*

Ker, Rev. R. E., M.A. Recog. T.

**Extra-Mural Studies and Adult Education**

Semple, R. H., M.A. Camb. Dir. of Extra-Mural Studies Reader.

Staff Tutors

Walthew, F. W., M.A. Camb.
Whitford, F. J., B.A. Dub., B.Sc. (Econ.) Lond.
Frey, J., B.A.
Arnold, D., B.Mus., M.A. Sheff.
Lawrence, R. J., B.Sc.(Econ.) Lond.
Lerner, L. D., M.A. Cape T. and Camb.
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 Matricn. Cttee.: E. W. Bower, M.A. Sr. Asst. Sec., Clerk of Admissions, Clerk of Examns., Clerk of Convocation: J. M. Freeland, B.Sc., B.Com.Sc. Asst. Bursar: R. J. Brown, LL.B. Second Asst. Sec.: P. N. Anderson. Sec. of Fac. of Med.: R. S. Johnston, M.B., D.P.H. Asst. Librarians: P. A. Larkin, M.A. Oxon., Alice K. Megaw, B.A., F.L.A., Jessie B. Webster, M.A., Frieda Brown, B.A. Medical Officer in Charge of Students' Health: W. Johnston, M.D. Bldgs. Officer: A. Forrester. Dir. of Phys. Educn. Centre: A. McDonald. Manageress of Dining Halls: Catherine E. H. Bruce. Organist: Prof. I. C. B. Keys, M.A., D.Mus., F.R.C.O.

## RECOGNIZED COLLEGES AND TEACHERS

THE MUNICIPAL COLLEGE OF TECHNOLOGY, College Sq., Belfast. (*Telegraphic and Cable Address*: Technical College, Belfast. *Telephone*: Belfast 23896.) Principal—D. H. Alexander, O.B.E., M.Sc. Camb. The complete

course for the B.Sc. in Textile Technol., Naval Archit., Pharmaceutics and Chem. Technol. may be taken at this Coll. Dean of Fac. of Appl. Sci. and Technol.: Prof. A. H. Naylor. *See also* p. 645.

THE PRESBYTERIAN COLLEGE (ASSEMBLY'S COLLEGE), Botanic Ave., Belfast. (*Telegraphic and Cable Address*: Assembly's College, Belfast. *Telephone*: Belfast 24761.) Principal—Rev. J. E. Davey, M.A., D.D. The complete course for the B.D. may be taken at this Coll. Dean of Fac. of Theol.: Prof. T. A. Sinclair. *See also* p. 646.

MAGEE UNIVERSITY COLLEGE, Londonderry. (*Telephone*: Londonderry 2145.) President—T. Finnegan, M.A. Camb., B.A. The Coll. is recognized for first courses, not exceeding 3, in certain subjects leading to B.A. *See also* p. 642.

EDGEHILL THEOLOGICAL COLLEGE, Lennoxvale, Belfast. (*Telephone*: Belfast 677111.) Principal—Rev. W. L. Northridge, M.A., Ph.D., B.D., M.Th. Lond. The College is recognized for courses leading to B.D. *See also* p. 646.

## GENERAL INFORMATION

Queen's College was established by Royal Charter in 1845, opened in Nov. 1849, and linked with Colleges at Cork and Galway as the Queen's University in Ireland in 1850. Originally there were three Faculties, Arts (with Science and Literary divisions), Medicine and Law. In 1879 Queen's College became a constituent coll. of the Royal University of Ireland. The governing body was the purely academic College Council. At the turn of the century private benefactions led to increased bldgs. and addtl. staff. In 1908 the College became the Queen's University of Belfast. The Senate became the governing body, consisting of representatives of the public life of Ulster, of the Professors and of graduates. The identification of the new Univ. with the interests of Ulster became closer on the establishment in 1920 of the Govt. of Northern Ireland from which the Univ.'s income is largely derived on the advice since 1945 of the University Grants Committee whose help has been made available. This identification of interest is evidenced by the new Facs. which were created, namely: in 1910 Science and Economics; in 1921 Appl. Science and Technol. with the co-operation of the Belfast College of Technology; in 1924 Agriculture, whose work is co-ordinated with that of the Ministry of Agriculture for N. Ireland; and in 1926 the Faculty of Theology, most of the teaching for which is given in the Presbyterian College, Belfast, and in Edgehill Theological College, Belfast. Since 1939 the number of students has doubled and there has been a great increase in the number of teaching staff. To house the additional students and staff a substantial blding. programme is in progress.

INCOME (1951–52): £403,500 (capital purposes, £100,000). Govt. of N. Ireland, 64·8 per cent.; local authorities, 4·2 per cent.; fees, 20·1 per cent.; other sources, 10·9 per cent.

LIBRARY, 225,000 vols. INSTITUTE OF PATHOLOGY, Grosvenor Rd., Belfast: Pathol. and Bacteriol.; Clinical Bldgs., Grosvenor Rd.; Geology Bldg., Elmwood Ave.; Agric. Bldg., Elmwood Ave. MUSEUMS: Class. Archæol., Nat. Hist., Med., Mat. Med. LABORATORIES: Chem. (Donald Currie), Civil Engin. (Harland), Physiol. (Jaffé), Biochem. and Bacteriol. (White), Phys., Anat., Bot., Geol., Pharm., Zool., Agric. HOSPITALS available for Clinics: 3 general, 10 special (Fever, Maternity, Women, Children, Ophth.; Ear, Nose and Throat; T.B., Mental, Skin, Nervous Diseases).

FACULTIES AND DEANS. *Agriculture*, Prof. A. E. Muskett (Mycol. and Plant Pathol.); *Applied Science and Technology*, Prof. A. H. Naylor (Civ. Engin.); *Arts*, Prof. E. E. Evans (Geog.); *Economics*, Prof. C. F. Carter (Appl. Econ.); *Law*, Prof. J. L. Montrose; *Medicine*, Prof. J. H. Biggart (Pathol.); *Science*, Prof. R. A. R. Gresson (Zool.); *Theology*, Prof. T. A. Sinclair (Gk.).

ADMISSION. *See* Appendix I.

DEGREE COURSES. 3 yrs.—B.A., B.Sc., B.Sc. in Pharmaceutics or Textile Tech., LL.B., B.Sc. (Econ.), B.Mus.; 4 yrs.—B.Agr., B.Sc. in Civil, Mech. or Electr. Engin.; 6 yrs. (of which 2 may be in other approved Univs. or Med. Schools)—M.B., B.Ch., B.A.O., B.D.S.; 2 yrs.—B.D. course for grads. of this or some other approved Univ.; B.Ed. (including 1-yr. Dipl. course) course for grads. of this or some other approved Univ.

The courses in Electr. and Mech. Engin. are taken partly in the College of Technol.; 3 yrs.' day or 5 yrs.' evening classes in the Coll. qualify for B.Sc. in Appl. Sci. and Technol. (excluding Civil, Mech. or Electr. Engin. which are day courses only) and for the B.Sc. (Econ.). Evening classes in a subject do not qualify for the B.Sc. or B.Sc. (Econ.) unless the candidate has concurrent day-time employment in some technical or commercial branch of the same subject.

*Diplomas.* Educn. (for grads.), 1 yr. full-time or 3 yrs. pt.-time; Pub. Health (for grads. in Med.), 1 yr.; Dipl. Soc. Studies, 2 yrs.; Dipl. in Pub. Admin. in 2 yrs. for grads. or 3 yrs. for non-grads.

*Certificates.* Postgrad. courses, 1 yr. full-time, for certifs. in Aeronautics or Radio Engin.

HIGHER DEGREES. The M.A. may be taken by a B.A. 1 yr. after graduation (examn. or thesis or independent res.). The (1) D.Lit. and (2) LL.D. are conferred on grads. of this Univ. distinguished in (1) letters, or in lit., philos. or hist. res., or (2) Law, or in legal or hist. res.; they may also be obtained by thesis or published works. The M.Sc. is open to a B.Sc. of the Univ. and grads. of other Univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or independent res.). The D.Sc. is open to grads. of this Univ. 5 yrs. after graduation in any Fac. It is conferred for res. or scientific work in relation to Sci. pure or appl., or for distinction in Sci., Engin. or other practical applicn. of Sci. The M.Sc. (Econ.) is open to a B.Sc. (Econ.) of the Univ., and to grads. of other Univs. holding a degree of similar rank not less than 1 yr. after graduation (thesis or independent res.). The D.Sc. (Econ.) is open to grads. of the Univ. 5 yrs. after graduation in any Fac. The M.D., M.Ch. and M.A.O. are open to grads. of the Univ. in Med. of 3 yrs.' (if also grads. in Arts or Sci., 2 yrs.') standing by examn. or thesis. The M.Agr. may be conferred on a B.Agr. of the Univ. or on grads. of other Univs. who hold equivalent degrees after 2 yrs. (thesis or independent res.). The D.D. is open to grads. in Div. of the Univ. of at least 6 yrs.' standing. As regards Ph.D. *see* p. 24.

FEES. Annual Enrolment, £4 (except in the cases of Final-Yr. Med. students, pt.-time students and grads. studying for higher degrees, when the annual enrolment fee is £2). Annual class fees (inclusive)—Arts, £21; B.Sc. (Pure), £35; B.Sc. (Econ.), £21; M.B., B.Ch., B.A.O., £36; B.Sc. App. Sci., £35; B.Agr., £32 : 10s.; Dipl. Educn. (1 yr.), £21 for course; B.Ed. (2 yrs.), £49 : 7s. for course; LL.B., £21.

ACADEMIC YEAR. Oct. 1 to Sept. 30 following: 3 Univ. terms of 13, 12 and 14 wks.; 3 lecture terms of 10, 10 and 6 wks.

ENTRANCE SCHOLARSHIPS. About 28 tenable for 3 or 4 yrs., aggregate annual value £1100; 8 tenable for 1 yr. only, aggregate annual value about £300.

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

RESIDENCE. Queen's Elms, University Rd. (*Telephone*: 20460), for men students, max. accomm. at present being 42, residence £30 per term (Warden: ..... ). Riddel Hall, Stranmillis Rd. (*Telephone*: 66062), for women students, max. accomm. at present being 50; board and residence p.a. about £60 (Warden: May Dawson, B.A.). Board and lodging obtainable in the city from about 50s. a wk. upwards. A list of lodgings is maintained.

There is a staff house at 11 University Sq. with residential club facilities.

APPOINTMENTS COMMITTEE. This cttee. advises students as to preparation for entrance to various Govt. services and other appts. All communications to the Sec., The Appts. Cttee. (J. M. Freeland, B.Sc., B.Com.Sc.).

ASSOCIATIONS. A Queen's Univ. Assocn. has been formed, Secs., J. F. Gillies, Ph.D., College of Technology, Belfast; W. Johnston, M.D., 25 University Square, Belfast.

There is also a Queen's Univ. Club which meets in London. Sec., J. N. McFeeters, M.Sc., " Mariga," Arkley, Barnet, Herts.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a yr.'s attendance for first degree, attendance and examn. in some of the subjects for first degrees in Arts and Sci., in consideration of equivalent courses and examns. elsewhere.

ADULT EDUCATION. The Q.U. Jt. Cttee. for Adult Education formed in 1931 of representatives of Univ., W.E.A. (N.I.), Min. of Educn. and Local Educn. Authorities. Lectures, autumn and winter classes and residential courses provided through W.E.A. Dir.—R. H. Semple. Staff—5 Tutors and 2 Asst. Lectrs. Financed by grants from Univ., Min. of Educn., Local Educn. Authorities and W.O.

UNIVERSITY EXTENSION lectures by members of the Univ. Staff and other lecturers by invitation are given in Belfast and other towns.

U.T.C. (T.A.). Founded 1908. O.C., Major H. M. Gaffikin, D.S.O., the Royal Ulster Rifles. Provides training in Infantry, Signals, Med. and R.E.M.E. sections at the Drill Hall, Q.U.B. U.A.S., formed 1941. O.C., S/Ldr. A. Brignell, D.F.C., M.A. Lecture Rooms, 18 College Gdns., Belfast. Flying Instrucn.—5 Chipmunk aircraft at Sydenham airfield. Members enlist as Officer Cadets in R.A.F.V.R. The 3-yr. course leads to Civil Aviation " A " Certif. Hack Trophy for most efficient U.A.S. W.R.A.C. (T.A.): founded 1950; Centre—48 University Rd., Belfast; now under command U.T.C. (T.A.).

STUDENT HEALTH SERVICE. All students are bound by reguln. to submit to full med. examn. by the Univ. Med. Officer in charge of Student Health, 25 Univ. Square, Belfast. All med. and dent. students are required to be re-examined before commencing clin. studies. All students must undergo an annual chest X-ray. Mantoux-negatives are vaccinated with B.C.G. A nurse is available for routine dressings. The Director of Physical Education is a qualified physiotherapist and co-operates in remedial exercises.

ATHLETIC FACILITIES. 25 acres of playing fields at Cherryvale, Belfast, provide pitches for Rugby, Association and Gaelic football, hockey, cricket, tennis courts, grass athletic track and men's and women's changing-rooms. The Phys. Educn. Centre, Sans Souci Park, Malone Rd., Belfast, provides

for squash, badminton, table-tennis, net-ball, boxing, fencing, gymnastics, etc., with changing-rooms and showers for men and women. The Boat House at Lockview Road provides facilities for pairs, fours and eights, with changing-rooms for men. There is a Dir. of Physical Education and an Asst. to the Dir.

STUDENTS' UNION SOCIETY. Founded 1897. Contains reading, writing, library, committee, billiard, cloak and bath rooms. Extended in 1933 by a larger dining-hall and kitchens as the result of a gift from the Pilgrim Trust. The centre of undergraduate club and social activities.

WOMEN STUDENTS' HALL. Houses adjacent to the Univ. provide reading, sitting, study and refreshment facilities for women.

PUBLICATIONS. *Calendar* (Oct.), 5s. 9d.; Students' mag., "*Q.*"; Students' paper, "*The Qubist*" (fortnightly in term).

PRINTER TO THE UNIVERSITY. Marjory Boyd, M.A., 2 Corporation St., Belfast.

## THE YEAR 1951–52

BENEFACTIONS. Olive Baguley, £100 for 7 yrs. for Dept. of Music; Harry Ferguson (Motors) Ltd., 10,000th Ferguson tractor imported into N. Ireland; late Sir James Andrews, bequest of £500; late C. A. Montgomery, bequest of £5000 for res. on cancer or rheumatism.

NEW BUILDINGS. Reconstrucn. of, and addtnl. floor for, C.E. dept.; reconstrucn. of library; new P.A.B.X. telephone system installed; foundations begun of new Engin. and Chem. depts.; work proceeding on two clin. bldgs. and on geol. bldg.

NEW POSTS. Chair in Compar. Pathol. (Agric.); Sr. Lectureships in Engl. and Econ. Hist.; Lectureships in Anæsthetics, Appl. Maths. and Pure Maths.; Principal Tutorship in Anæsthetics; Asst. to Dir. of Physical Educn.; Asst. Lectureships in Civil Engin. (2), Pure Maths. (2), and Phys.

OTHER DEVELOPMENTS. Festival of Britain plaque to "George A. Birmingham" unveiled at his birthplace at 75 Univ. Rd., which Univ. owns; visit by U.G.C.; Univ. was jt. host with Corp. to British Assn. for Advancement of Sci.; Q.U.B. Film Soc. constituted; introduction of full-time day courses only for degrees (4-yr. course) in Civ., Mech. and Electr. Engin.; hons. in Latin with Gk. estabd. in Fac. of Arts; hons. in Psychol. estabd. in Fac. of Sci.; Anc. Hist. dept. estabd. with graduating course in Arts; Dept. of Child and Preventive Dent. estabd.; Sch. of Social Studies transferred to Fac. of Econ.; award of merit of R.I.B.A. for design of Univ.'s Assembly Hall, the Sir William Whitla Hall, and commemorative plaque unveiled.

ADULT EDUCATION WORK. 111 courses, 3 lecture series and 8 week-end and one-day schs. to a total of 3250 students.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Lakasiewicz, Dub.; Prof. Jacob Viner, from U.S.A.; Prof. E. M. Wilson, Lond.; Prof. T. Bodkin, Birm.; Prof. R. Russell, Lond.; Prof. S. E. Thorne, Yale; Prof. E. C. Kirkland, Bowdoin Coll.; Prof. A. Larsen, Corn.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Waterhouse, Ill., Los Angeles; Vice-Chancellor (Dr. Ashby), Indian Univs.; Prof. Emeleus, Bonn.

RESIGNATIONS AND RETIREMENTS. Dr. K. P. Clearkin (Pathol.), apptd. to lectureship in W. Indies; Miss A. A. Leach (Welfare Officer), apptd. to post with L.C.C.; Dr. S. Andrews (Biochem.); Dr. T. J. A. Monaghan (Engl.).

DEATHS. Sir William Johnston (Member of Senate); T. Walmsley (Prof. of Anat. from 1919); Sir Milne Barbour (Hon. grad. and benefactor); The Countess of Clanwilliam (Senator 1936–49); Pastor F. H. Forbes (Dean of Residences for Baptist students).

HONORARY DEGREES. *LL.D.*—H.E. the Countess Granville; Sir Ernest R. Carling; D. W. Bronk; A. V. Hill. *D.Lit.*—Most Rev. J. D'Alton, R.C. Archbishop of Armagh and Primate of All Ireland. *D.Sc.*—E. D. Adrian; Richard V. Southwell; Sir William Slater. *M.A.*—Mrs. M. A. F. E. Haughton, Chairman N.I. Council for Social Service; A. S. Megaw, critic and anthologist. *M.Sc.*—J. A. S. Stendall, Curator of City Museum. *M.D.S.*—H. Elwood, former lectr. in dent.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 374 | 1667 |
| Women | 61 | 584 |
| Total | 435 | 2251 |

Postgraduate students, 547 (429 men; 118 women).

New admissions, 638 (450 men; 188 women).

Students from other countries, 103. (Countries from which largest numbers came: British W. Indies, 17; Iraq, 12; Norway, 12; Federation of Malaya, 11; E. Africa, 7; U.S.A., 6; W. Africa, 6.)

DEGREES. *Agric.*: B.Agr., 18; M.Agr., 3. *Appl. Sci.*: B.Sc., 62; M.Sc., 10; Ph.D., 2. *Arts*: B.A., 153; M.A., 4; Ph.D., 2. *Dent.*: B.D.S., 6. *Econ.*: B.Sc. (Econ.), 18; M.Sc. (Econ.), 1; Ph.D., 1. *Educn.*: B.Ed., 6. *Law*: LL.B., 11; Ph.D., 1. *Med.*: M.B., 70; M.Ch., 1; Ph.D., 1; M.D., 19. *Sci.*: B.Sc., 134; M.Sc., 9; Ph.D., 10; D.Sc., 1. *Theol.*: B.D., 2. *Total number of first degrees awarded*, 480.

DIPLOMAS AND CERTIFICATES. *Appl. Sci.*: Hons. Certs., 2; Radio Eng., 1; Aeron., 1. *Dent.*: L.D.S., 11. *Educn.*: Dip.Ed., 33. *Med.*: D.P.H., 8; C.P.H., 1. *Sci.*: Hons. Certs., 32. *Soc. Studies*: Dip.S.S., 10; Cert.S.S., 3.

# CANADA

ACADIA UNIVERSITY (p. 664)
UNIVERSITY OF ALBERTA (p. 669)
UNIVERSITY OF BISHOP'S COLLEGE (p. 687)
UNIVERSITY OF BRITISH COLUMBIA (p. 689)
CARLETON COLLEGE (p. 710)
DALHOUSIE UNIVERSITY (p. 716)
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MOUNT ALLISON UNIVERSITY (p. 808)
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UNIVERSITY OF NEW BRUNSWICK (p. 816)
NOVA SCOTIA AGRICULTURAL COLLEGE (p. 820)
NOVA SCOTIA TECHNICAL COLLEGE (p. 822)
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SIR GEORGE WILLIAMS COLLEGE (p. 870)
UNIVERSITY OF TORONTO (p. 875)
    UNIVERSITY OF TRINITY COLLEGE (p. 909)
    VICTORIA UNIVERSITY (p. 912)
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# CANADIAN UNIVERSITIES*

[Contributed by Dr. G. P. Gilmour, President and Vice-Chancellor, McMaster University.]

UNIVERSITY work in Canada began in 1789, when the University of King's College was founded in Windsor, N.S., but most Canadian Universities date from the 19th century, *e.g.* Dalhousie, 1818, McGill, 1821, Toronto, 1827, Acadia, 1838, Queen's, 1841. In Western Canada all Universities except Manitoba were opened in the 20th century, *e.g.* Saskatchewan, 1908. In recent years, several new degree-conferring institutions have been recognized. Quebec gave a charter to Sir George Williams College in 1948, for work begun in 1929; and Ontario to Carleton College in 1952, for work begun in 1942, and to Assumption College, 1953 (formerly an affiliate of Western Ontario); and Memorial was founded in Newfoundland in 1949. In many cases, University status has come to institutions that had already operated for many years as educational centres, often as preparatory schools or theological Colleges, *e.g.* Laval, given a Royal Charter in 1852, is the outgrowth of work dating back to 1635; Montreal, which operated as a branch of Laval from 1876, became autonomous in 1920; and McMaster, whose charter dates from 1887, is the outgrowth of work begun in 1857. In Western Canada, the work of the provincial Universities was anticipated through the existence of Colleges affiliated with institutions in Central Canada, and through the establishment of theological Colleges, *e.g.* Emmanuel College, Saskatoon, 1879. These have now become affiliated with or absorbed into the Universities, but the pattern has not entirely disappeared, *e.g.* Ottawa still maintains a connexion with 5 small Roman Catholic Colleges in Saskatchewan and Alberta.

It is to be remembered that the term "Canada" is nationally applicable only since 1867. The Universities of the Maritime Provinces were for the most part established when Nova Scotia and New Brunswick were not part of Canada. "Canada," prior to 1867, referred only to the territories embraced by Quebec (Lower Canada) and Ontario (Upper Canada). The western Universities were established, as a rule, shortly after the provinces were created out of the western territories. Something of the origins of Canada's population is reflected in the curricula, *e.g.* the greater emphasis on classical studies in the centre and east, and the offering of Scandinavian languages in the west. The

* *Nova Scotia*: Acadia, Dalhousie (with King's), Mount St. Vincent College, St. Francis Xavier. *New Brunswick*: Mount Allison, New Brunswick, St. Joseph's. *Prince Edward Island*: St. Dunstan's College. *Newfoundland*: Memorial University of Newfoundland. *Quebec*: Bishop's, Laval, McGill, Montreal, Sir George Williams College. *Ontario*: Carleton College, McMaster, Ottawa, Queen's, Toronto (with Trinity and Victoria), Western Ontario. *Western Provincial Universities*: Manitoba, Saskatchewan, Alberta, British Columbia.

great emphasis on extension studies at Alberta is a reflection of the provincial decision to associate such work with the University, whereas in Saskatchewan most extension work that is not for academic credit is separate from the University.

The term " University " is used somewhat loosely in Canada, and a complete legal list would not reflect actual conditions. In at least three cases (Trinity and Victoria in Toronto, King's in Halifax), University charters are in abeyance except for Divinity, by reason of federation ; in some other cases (*e.g.* Collège Ste-Anne, Church Point, Nova Scotia), institutions that operate essentially as Colleges have charters entitling them to University powers ; and in others (*e.g.* Sir George Williams College, Montreal, and Carleton College, Ottawa), work done under the College title is of a range comparable to that in a number of smaller Universities. Work in Universities ranges from the complex federated organization of Toronto, including both federated Universities and affiliated Colleges, or that at Laval, which includes forty-nine affiliated institutions, to smaller foundations of a unitary type, involving fewer than three hundred students. McGill, for example, gives twenty-seven types of degrees and ten diplomas or certificates, while Nova Scotia Technical College gives only the degrees of Bachelor and Master of Engineering. In Ontario, to take another example, only Toronto has a College of Education ; and, until the recent establishment of a Faculty of Law at Toronto, all legal education in that Province was directed by the Law Society of Upper Canada.

Whatever their origins, Canadian Universities have in general a constitutional pattern differing from that in Great Britain and some other Commonwealth countries in that salaried members of the Universities other than executive heads may not sit on the Board of Governors (Trustees, Regents, etc.), which has the financial direction of each University, and which makes or confirms academic appointments, determines salaries, manages investments, erects buildings, sets fees, etc. These Boards are variously elected or appointed, and may include government appointees, representatives of the graduates, or members elected by church courts or religious orders. In some cases, they are wholly or in part self-perpetuating bodies. Teaching members do, however, sit on, and in practice usually dominate, the Senate of a University, which body decides questions of admission, examination and curriculum, authorizes degrees (both in course and honorary), and has all academic questions as its province, acting usually on the advice of the academic staff on its Council. The executive head of a University is generally Chairman or leader of the Senate, but is almost never Chairman of the Board. There is thus no close parallel to the type of " University Court " known elsewhere, nor to the corporate authority of a group of Fellows. The term " Fellow " therefore carries with it no financial authority, and need not involve faculty membership. The title " Dean " is a permanent one, Deans being the appointees of the administration, usually through the Senate with the approval of the Board.

As regards degrees, it should be noted that all degrees beyond that

of Bachelor (M.A., M.Sc., Ph.D., etc.) involve examinations and theses or substantial essays, and such degrees are seldom open to anyone who has not taken an honours course as an undergraduate or who has not covered equivalent departmental studies as a prerequisite, if he has taken a general degree or comes from another University. Generally speaking, undergraduates are not permitted to specialize in their honours subject until they have completed certain general subjects, *e.g.* history or literature in the case of Science students and a course in Science in the case of Arts students.

While there is no case in which the appointment of the executive head of a University is made, or is subject to review by a political body, all Universities operate under Acts or Charters granted by governments and must, if changes in authority, organization, etc., are desired, secure the necessary enabling amendments. Within the terms of the various Acts or Charters, the Universities have full autonomy, the relative powers and membership of Boards and Senates being outlined in the Acts. Senates are in all cases elective or appointive bodies of limited membership, there being no such thing as Senate membership belonging of right to all or certain graduates.

Except in Western Canada, nearly all Canadian Universities were established by or with the active support of church bodies, but the majority are now private or quasi-private foundations. One might divide Canadian Universities into (1) those which are legally controlled by or connected with a religious group : Laval, Montreal, Ottawa, St. Dunstan's, St. Francis Xavier, St. Joseph's, Mount St. Vincent, by Roman Catholics ; King's, Bishop's, Trinity, by the Church of England ; Mount Allison, Victoria, by the United Church of Canada ; Acadia, McMaster, by Baptists ; (2) those that are essentially provincial Universities, with varying degrees of state direction : New Brunswick, Memorial in Newfoundland, Toronto, Manitoba, Saskatchewan, Alberta, British Columbia ; (3) independent foundations, depending on endowment and private benefactions, usually with additional state support : Carleton, Dalhousie, McGill, Queen's, Western Ontario, Sir George Williams. No brief statement can make clear the diversity among the Universities.

Under the British North America Act, education in Canada is a provincial responsibility, there being no Dominion Office or Minister of Education. Recently, as noted below, the Canadian Government has given financial aid to Universities. Considerable variety exists as regards Provincial Government aid to Universities. Seven provinces (British Columbia, Alberta, Saskatchewan, Manitoba, Ontario, New Brunswick and Newfoundland) have provincial Universities, in most cases receiving a major part of their income from government sources ; in Ontario and New Brunswick there are also private Universities ; and in Quebec, Nova Scotia and Prince Edward Island all Universities are private. The pattern of provincial support varies as regards private Universities. In Nova Scotia, for example, University grants have to date been comparatively small, but Nova Scotia Technical College is supported entirely from provincial revenues ; while in Ontario, grants are received by Queen's, Western and Carleton College, and McMaster

and Ottawa receive grants for such of their work as is legally not under " sectarian " control.

In Canada to date, Universities have not been the recipients of private benefactions in amounts comparable to those in the United States or Britain.

Higher education in Canada has a recognizable pattern and atmosphere, but there is no uniformity in entrance standards or curriculum emphasis. (*See* Appendix I.) Canadian higher education shows clearly the marks of Canadian educational and political history, and the influence of British (both English and Scottish) and American models. The marks of Canadian history can be seen in the existence of a distinct system of French-language University education, chiefly in Laval and Montreal with their affiliated " Classical Colleges " ; in various federation plans that have brought together Colleges of denominational origin and of secular foundation (notably in Toronto, Manitoba and Western Ontario) ; in the existence of a number of Universities that have maintained, to a greater or smaller extent, denominational ties (*e.g.* Acadia, Mount Allison, Bishop's, McMaster, Trinity and Victoria) ; and in the unusual number of degree-conferring authorities in the Maritime Provinces (where at least fourteen such authorities exist), as compared with the Western Provinces (where only one University authority exists in each Province). A few Universities operate under Royal Charters, but most have been incorporated by provincial legislatures. British precedents account for the existence of Colleges within Universities, academic titles (Principal, Provost, Warden, etc.) that reflect either English or Scottish origin, and provision for specialized undergraduate study leading to honours degrees (in most cases requiring an extra year of undergraduate study and the maintaining of superior grades). American influence can be seen in the development of Faculties and Schools, and in the fact that there has been in Canada much the same succession of development as in the United States, first, of private or quasi-private Universities (including many with original or continuing denominational connexions), second, of State Universities (notably in Western Canada), and third, of Graduate Schools (or limited programmes of graduate studies leading to the degrees Master and Doctor). Many academic titles (President, Dean, Associate Professor, etc.) also reflect American nomenclature.

Recent developments of note have been the growth in undergraduate numbers, increased graduate studies, extension services and financial assistance to Universities by the Government of Canada.

Growth in undergraduate numbers has been due to increase of population, rising standards of living and increased opportunities for professional training. In the fifteen years between 1933–34 and 1948–49, the number of full-time undergraduates increased about two and one-half times. Allowing for recent recession of numbers, after the graduation of ex-Service personnel receiving special benefits, the numbers to-day would be approximately double those of 1933, about 60,000. Staffs and buildings at Universities have been increased to care for these larger numbers, except that in Medicine it is impossible to train sufficiently greater numbers.

Graduate studies, formerly quite limited because of Canadian reliance on British and American graduate facilities, have increased in the same period by roughly the same proportion. Formerly, English-language graduate studies beyond the degree of Master were offered almost exclusively at Toronto and McGill. In recent years, a number of other Universities have offered Ph.D. studies within a narrow range of selection, chiefly in Science, and doctoral studies are now offered also at Queen's, McMaster, Western Ontario, Manitoba, Saskatchewan, Alberta and British Columbia. In the calendar year 1952, the number of Doctoral degrees completed in Canada was 188, of which 62 were in French-language Universities, and the number of other graduate degrees 894, of which 198 were in French-language Universities. These figures do not, however, adequately represent the scope of graduate studies in the French system.

Extension services are showing a marked increase. In large urban centres Universities offer a variety of evening courses for academic credit, and many Universities conduct summer schools, attended in many cases by members of the teaching profession. One institution, Sir George Williams College in Montreal, enrols the majority of its students in evening classes. Extra-Mural studies are comparatively limited in scope. Adult education, in the form of courses and special lectures without academic credit, is becoming increasingly important.

Financial aid to Universities from the Government of Canada began in 1951, subsequent to the Massey Report,* when $7,000,000 was made available under Order-in-Council, and divided among Universities and Colleges according to the population of each Province and the number of full-time students in each University within the Province. The purpose of the grant was to defray part of the increased cost of University education, definitely including the Arts Faculties, in view of the declining value of endowment and the effect of taxation and inflation. These grants are not designed to provide for expansion of facilities or to give special assistance to Universities maintaining professional and scientific courses at high expense. The criterion of local need has not been introduced, nor any conditions attached to the spending of the grant. Provincial rights and duties in education continue unchanged. The final four years of study in classical colleges affiliated to French-language Universities, and which in principle form the Faculty of Arts of these Universities, were recognized as equivalent to undergraduate studies in English-language Universities. No attempt was made to arrive at a uniform level of University entrance throughout the nation.

The plan to give federal aid has not been easy to administer. The Government of Quebec in 1953 refused to implement the plan within the Province lest its conception of provincial autonomy in education suffer, and as a consequence the Quebec universities did not receive aid. Another difficulty arises from the difference in *per capita* amounts, as based on provincial population and student numbers, with Newfound-

* *National Development in [Canadian] Arts, Letters and Sciences, 1949–51: Report of Royal Commission.* Chairman: Rt. Hon. Vincent Massey. (Printer to H.M. the King, Ottawa, 1951.)

land receiving a disproportionately large *per capita* sum and Nova Scotia and Manitoba relatively meagre amounts. How to observe constitutional niceties and accomplish the purpose of the grant at the same time is a delicate problem.

ENGLISH-LANGUAGE UNIVERSITIES. Under the system operating in these Universities, including English-language Roman Catholic institutions, students enter either by Junior Matriculation or by Senior Matriculation. The latter requirement is increasing. These examinations are set in the various provinces, usually by joint action of the Universities and the Department of Education. The list of required and optional subjects differs between provinces and varies as regards the requirements for entrance into various degree courses. Universities admitting by Junior Matriculation normally offer a four-year course leading to a pass or general Bachelor's degree, which can be obtained in three years from Senior Matriculation. For honours degrees, an additional year of study is required in most Universities, and honours students are usually in separate classes. *See also* Appendix I.

The requirements for entry on non-Canadian certificates into the Universities of Canada differ considerably. Students in other parts of the Commonwealth who plan to attend a Canadian University should write directly to the Registrar of the University in which they are interested.

In all Universities a number of lecture courses are required in each year, and examinations on these courses must be taken at the end of each year. In some honours courses, " comprehensive examinations " are also required. Some Universities operate on a year system, requiring a specific group of required and optional subjects to be taken at the various levels, while some others operate more nearly on the credit system common in parts of the United States.

English-language Universities are co-educational in all but a limited number of courses, such as Nursing and Household Science.

Few Universities offer complete residence accommodation. Especially in large urban centres, the majority of students live at home or in boarding-houses. Most Universities provide, through student unions, space for social gatherings and for meals.

FRENCH-LANGUAGE UNIVERSITIES. In the French system, a student receives his Baccalauréat at a Classical College, which corresponds to a French Lycée. He then goes to the University for his Licence or his Doctorat, or for a professional course such as Medicine, Engineering or Dentistry. French-language Universities also admit into certain courses, such as Engineering and Agriculture, students who have taken preparatory work in a French high school, modelled more closely along English high school lines. Separate classical colleges are operated for men and women, but the Universities are co-educational in most courses.

DATES AND VACATIONS. In all the Universities of Canada, students are admitted only in the autumn, and the session lasts approximately from late in September to the middle of May. During the long summer vacation, the majority of students obtain employment. Faculties of

Engineering, for example, require their students to gain practical knowledge in the Engineering field during the summer.

STUDENT ACTIVITIES AND ATHLETICS. During the session, the students provide a wide variety of social and recreational activities for themselves. These are under the control of a central committee or council and are more highly organized than they are in the United Kingdom Universities. Organized athletics, too, are usually under the control of a central committee representing the students, the University administration and, frequently, the graduates.

THE NATIONAL CONFERENCE OF CANADIAN UNIVERSITIES. The approved Universities and Colleges of Canada have as their official organization the National Conference of Canadian Universities, which meets every summer to discuss matters of common interest. This Conference is closely associated with The Association of Universities of the British Commonwealth and nominates the two representatives of the Canadian Universities on the Executive Council of that body. The Conference publishes an annual *Report* and a *Yearbook of Canadian Universities*. The latter is published biennially, and may be obtained from the Secretary, N.C.C.U., care of University of Saskatchewan, Saskatoon, Sask., Canada, at the price of $2.

FURTHER INFORMATION. A convenient and recent historical sketch may be found in W. Kirkconnell and A. S. P. Woodhouse: *The Humanities in Canada*, 1947. Statistical information appears in *The Canada Yearbook*, and special information is issued from time to time by the Dominion Bureau of Statistics, the most recent being *Higher Education in Canada 1946–48* (1951), issued by authority of the Minister of Trade and Commerce, price 35c. An historical introduction to the Universities of Canada appeared in the *Universities Yearbook, 1949–50* (A.U.B.C.), and earlier editions.

OTHER EDUCATIONAL INSTITUTIONS. Not all educational institutions of University grade appear under University titles. Three examples are the Maritime School of Social Work, the Nova Scotia Technical College in Halifax and theological schools. The *Maritime School of Social Work*, Halifax, N.S., co-operates with various Universities in Nova Scotia. It gives a diploma for two years of study, degrees being the responsibility of the co-operating Universities. In other parts of Canada schools of social work form an integral part of individual Universities, including Laval, Montreal, McGill, Toronto, Western Ontario and British Columbia. The *Nova Scotia Technical College* in Halifax (*see* p. 822) is the direct effort of the Province to provide engineering education. It is supported entirely from provincial revenues and receives students who have already covered work in Acadia, Dalhousie, King's, Mount Allison, St. Francis Xavier, Memorial University of Newfoundland and St. Mary's. The Technical College offers two years of what is usually a five-year course, leading to the degree of B.E., and later to the degree of M.E. In other Canadian provinces such work is carried on by a Faculty of Engineering or Applied Science connected with single Universities. Theological

education is conducted through Faculties of Theology or through independent theological colleges affiliated with one or more Universities. Theological degrees are not granted by provincial Universities. At Toronto, for example, degrees in Divinity are conferred by Trinity, Victoria, Knox, Wycliffe and St. Michael's. A list of theological colleges appears in the *Yearbook of Canadian Universities*.

The 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 1952, the total general endowment was $11,552,705; assets were $12,255,587.

Since 1905, the Foundation has disbursed, to 5048 persons, some $61,041,136 in free retiring allowances, disability allowances and widows' pensions, in 168 Colleges, Universities and technical schools. In 1952, allowances and pensions were being paid to 2089 persons, and 392 persons remained on the Foundation list, on May 1, 1952, 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 45 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*

Founded 1838; incorporated 1840

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*Telephone* (Registrar): Wolfville 3423.

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## ASSOCIATED INSTITUTION

Approved graduates of Acadia and other recognized Universities who successfully complete a further two yrs. of professional training at the MARITIME SCHOOL OF SOCIAL WORK, Halifax, N.S., are granted by Acadia the degree of Master of Social Work (M.S.W.). Director—L. T. Hancock, M.A. Chic., B.S.W. McG., M.A. K.C.N.S. (*Telephone*: Halifax 3-6907.)

## GENERAL INFORMATION

Founded in 1838 by the N.S. Baptist Educational Society, Acadia College was incorporated in 1840 by Act of the N.S. Legislature, with the powers of a University and the name changed to Acadia University by an Act of Legislature in 1891. Endowment, $1,200,000; Physical Plant, $2,106,041·28. The Bd. of Governors is appointed by the Baptist Convention of the Maritime Provinces, but the students are subject to no religious tests.

FACULTIES AND SCHOOLS. Fac. of Arts and Sci. (Dean: Prof. R. S. Longley, History); School of Theol. (Dean: Prof. E. MacD. Whidden, Church Hist.); School of Music (Dean: Prof. E. A. Collins, Piano); School of Home Econ. (Dean: Prof. Elizabeth MacMillan); Ivan Curry School of Appl. Sci. (Dean: Prof. B. N. Cain); School of Educn. (Dir.: Prof. M. V. Marshall); School of Secretarial Sci. (Dir.: Katherine Alexander).

ENTRANCE REQUIREMENTS. Students are admitted to the first yr. in Arts with 50 per cent. standing on the jr. matricn. examn. of any Canadian province in the following subjects: Eng., Lat., a second lang., Algebra, Geom., Phys. or Chem., Hist. or Music. There are minor variations for the other courses of the Univ. Students from other countries will have their matricn. standing evaluated on an individual basis. To cope with sp. cases, the Univ. also offers matriculn. examns. of its own in Sept. of each yr. *See also* Appendix I.

DEGREE COURSES. 4 yrs.—B.A., B.Th., B.Sc., B.Sc. (H.Ec.), B.Mus.; 1-yr. grad. study—M.A., M.Sc., M.Mus., B.Ed.; 3 yrs.' grad. study—B.D. The following non-degree certifs. are also listed: 3 yrs.—Dipl. in Home Econ., Certif. in Appl. Sci., Licentiate in Music, Secretarial Sci. Dipl. 2 yrs.—Jr. Arts. The Appl. Sci. Certif. enables students to enter without examn. into the Nova Scotia Technical College and the third-yr. classes of McGill Univ.'s Fac. of Engin.

FEES (p.a.). $35 per undergrad. subject, lab. fees and general fees additional. Postgrad. 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 nec. qualificn. for academic licence issued by Dept. of Educn. of Nova Scotia. 4 summer sessions are required as equivalent of 1 full academic yr. All

the work for the Master's degree must be carried out in one dept. Classes are also offered in undergrad. work and to a limited extent in elem. foreign langs.

GRADUATE SCHOLARSHIPS. Vaughan Memorial, $250 (Hist.); William Inglis Morse Research Fellowship, $400 (Hist. or Engl.); Henry Burton DeWolfe, $100 (Biol.); Murdock C. Smith, $450 (Marine Biol.).

EMPLOYMENT. A joint Fac.-Student Cttee. co-operates with the placement service of the Federal Dept. of Labour.

GRADUATES. The grads. of Acadia Univ. are organized as the "Associated Alumni," with annually elected officers and a paid Sec.-Treasurer. They edit an official publicn., the *Acadia Bulletin* (6 times a yr.), and nominate 8 members to the Univ.'s Bd. of Governors.

LIBRARY. 95,000 vols. Laboratories: Biol., Chem., Geol., Phys., Engin., Home Econ. Greenhouses and Arboretum. Astronomical Observatory.

RESIDENCE. (Room and Board, $420 a yr.) For Women: Whitman Hall (Dean, Marion E. Grant), 119 students; Seminary (Dean, Jean Hayes), 58. For Men: Memorial Residence (Dean, R. E. Watson), 187; Willett Hall (Dean, S. Holmes), 64; Academy Residence (Dean, E. Kipping), 42.

DEFENCE TRAINING. (*a*) Acadia University Naval Training Division, Staff Officer, Lieut. A. T. Levy, R.C.N. (*b*) Acadia University Contingent, C.O.T.C.; C.O.: Major F. G. Kelly. Resident Staff Officer: Capt. T. Spurr. (*c*) R.C.A.F. (Reserve) Detachment. Air Liaison Officer: F./O. R. H. MacNeill.

STUDENT HEALTH SERVICE. The Univ. has its own resident physician, nursing service and hospl. wards for men and women.

ATHLETIC FACILITIES. The Memorial Gymnasium with swimming pool, games floor and running track; Raymond Field, with facilities for football, baseball, ground hockey and track; and the Univ. rink with artificial ice for ice hockey and skating.

STUDENTS' UNION. A Union Bldg., erected in 1949 and administered by a student cttee., has a cafeteria, student offices and a reception room.

PUBLICATIONS. *Calendar* (April, gratis on request); *Students' Year Book* (May); *Athenæum* (weekly, Oct. to April). Official history: *Acadia University, 1838–1938*, by R. S. Longley (Wolfville, 1939, o.p.); *Acadia Bulletin* (6 times a year).

## THE YEAR 1951–52

RESIGNATIONS AND RETIREMENTS. Prof. R. Ross (German); Assoc. Prof. S. Taylor (Maths.); Asst. Prof. J. M. Beck (Pol. Sci.); Asst. Prof. J. S. McManus (Phys. Ed.); Margaret Harrington (Phys. Ed.); Asst. Prof. J. Jenks (Educn.); Asst. Prof. Jean Cameron (Sec. Sci.); Charlotte Wade (Sch. of H.Ec.); Ruth Blaisdell MacDonald (Sch. of Mus.); Olive Hibbard (Sch. of Mus.); Edith Dyke (Sch. of Mus.).

HONORARY DEGREES. *D.C.L.*—E. R. Godfrey, industrialist, Detroit; R. L. Kellock, Judge, Supreme Court of Canada; L. A. DeWolfe, home and sch. official, Truro, N.S.; I. B. Rouse, Principal, Normal College, Fredericton, N.B. *D.D.*—D. J. Neily, Clergyman, Nashua, N.H.; C. M. Nicholson, Moderator, United Church of Canada. *D.Sc.*—R. L. Jeffery, mathematician, Queen's U.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 5 | 294 |
| Women | 22 | 186 |
| Total | 27 | 480 |

Postgraduate students, 66.
First-year admissions, 152.
Students from other countries, 24. (Countries from which largest numbers came: U.S.A., 18; British W. Indies, 5.)

DEGREES, ETC. B.A., 73; B.A. (Hons.), 2; M.A., 15; B.Sc., 23; B.Sc. (Hons.), 6; B.Sc. (Ind. Arts), 1; B.Sc. (H.Ec.), 9; M.Sc., 4; App. Sci. Cert., 13; Lic. Mus., 1; Women's Leadership Dipl., 2; B.Th., 1; B.D., 3; B.Ed., 24; H.Ec. Dipl., 1; Sec. Sci. Dipl., 8.

[*Information compiled as at* 6/5/53.]

# UNIVERSITY OF ALBERTA*

Founded 1906

*Postal Address*: Edmonton, Alberta, Canada.
*Telegraphic Address*: VERA (A.B.C. Code).
*Telephone* (Registrar): 369217.

VISITOR—The Hon. JOHN JAMES BOWLEN, Lieutenant-Governor of Alberta.

CHANCELLOR—EARLE PARKHILL SCARLETT, B.A., M.B., F.R.C.P. Can., F.A.C.P.

CHAIRMAN OF BOARD OF GOVERNORS—CHARLES MALCOLM MACLEOD, Q.C., LL.B.

PRESIDENT—ANDREW STEWART, B.S.A., M.A., LL.D. Manit., D.Econ. Laval.

DEANS OF FACULTIES—*Arts and Science*: WALTER HUGH JOHNS, B.A. W. Ont., Ph.D. Corn. (Classics). *Law*: WILBUR FEE BOWKER, Q.C., B.A., LL.B. (Jurisprudence). *Engineering*: ROBERT MACDONALD HARDY, B.Sc. Manit., M.Sc. McG. (Civil Engin.). *Medicine*: JOHN WILLIAM SCOTT, M.D., C.M. McG., F.R.C.P. Can., F.A.C.P. (Med. and Clin. Med.). *Agriculture*: ARTHUR GILBERT MCCALLA, Ph.D. Calif., M.Sc., F.R.S.C. (Plant Sci.). *Education*: HERBERT EDGAR SMITH, B.A. Ill., Ph.D. Calif., M.A., M.Ed. (Philos. of Educn.). *Dentistry*: WILLIAM SCOTT HAMILTON, D.D.S. Tor., L.D.S. Tor., F.A.C.D., F.D.S.R.C.S. (Oral Surg.).

DIRECTORS OF SCHOOLS—*Pharmacy*: MERVYN JAMES HUSTON, Ph.D. Wash., M.Sc. *Household Economics*: MABEL PATRICK, B.A. Tor., M.A. Col. *Nursing*: HELEN EILEEN MARIE PENHALE, B.Sc., M.A. Col. *Commerce*: ANDREW STEWART, B.S.A., M.A., LL.D. Manit., D.Econ. Laval. *Graduate Studies*: OSMAN JAMES WALKER, B.A. Sask., A.M. Harv., Ph.D. McG., F.C.I.C., F.R.S.C.

REGISTRAR—G. B. TAYLOR, M.Sc.

ASSISTANT REGISTRAR—A. D. CAIRNS, B.A.

LIBRARIAN—MARJORIE SHERLOCK, M.A. Oxon., B.L.S. Tor., B.A.

ALUMNI SECRETARY—ALEXANDER GILMOUR MARKLE, B.J. Car., B.A.

BURSAR—JOHN MACLEAN WHIDDEN, B.Com.

## TEACHING STAFF

*Accounting*

Campbell, J. D., M.Com. Qu. Prof.
Goodale, D., B.Com. Sask. Asst. Prof.

*Agriculture*, v. *infra*

*Anatomy*

Shaner, R. F., Ph.B. Lafayette, Ph.D. Harv., F.R.S.C. Prof.

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

Greene, E., M.D., C.M. McG., F.R.C.S.Ed., F.A.C.S. Hon. Prof.
Rawlinson, H. E., M.Sc., Ph.D. McG., M.D. Prof.
Thompson, J. S., M.A. Sask., M.D. Tor. Assoc. Prof.
Minish, N. J., M.D. Manit. Hon. Asst. Prof.
Salt, W. R., M.Sc. Asst. Prof.
Harris, R. H. D., M.Sc. Lectr.
Bury, R. J., M.D. W. Ont. Clin. Instr.

*Bacteriology*, v. Med.

*Biochemistry*

Collier, H. B., M.A., Ph.D. Tor., F.C.I.C. Prof.
Tuba, J., M.Sc. Sask., Ph.D. Tor. Prof.
Stewart, A. G., M.A. Qu., Ph.D. W. Ont. Asst. Prof.
Harper, A. E., M.Sc. Asst. Prof.

*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. and Dir., Sch. of Grad. Studies.
Sandin, R. B., Ph.D. Chic., M.A., F.R.S.C. Prof.
Morrison, J. L., M.Sc. Sask., Ph.D. McG. and Camb. Assoc. Prof.
Davis, S. G., Ph.D. McG., M.Sc. Assoc. Prof.
Brown, R. K., Ph.D. McG., M.Sc. Asst. Prof.
Harris, W. E., Ph.D. Minn., M.Sc. Asst. Prof.
*Allen, W. F., B.Sc. W. Ont., M.A., Ph.D. Asst. Prof.
Crawford, R. J., B.Sc. Sessl. Instr.
Garrison, R. A., B.Sc. Sessl. Instr.
Hironaka, M., 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.
Dean, Fac. of Arts and Science, Assoc. Prof.
May, E. C., A.B. Trin. Coll. Hartford, A.M., Ph.D. Prin. Asst. Prof.
MacKenzie, Margery W., B.A., B.Ed.
Asst. Prof. and Radio Sec.

*Dentistry*, v. *infra*

*Economics*, v. Pol. Econ.

*Education*

Smith, H. E., B.A. Ill., Ph.D. Calif., M.A., M.Ed. (Philos. of E.)
Dean Fac. of Educn., Prof.
Doucette, A. L., B.Sc. N.S.T.C., Ed.D. Stanford, M.A.
Prof. and Dir., Calgary Branch, Fac of E.
Coutts, H. T., B.A. Tor., Ph.D. Minn., M.A. Prof.
Dunlop, G. M., B.A. Sask., Ph.D. Col., M.A. Prof.
McDougall, W. D., D.Ed. Col., M.A. Prof.
Gilles, J. W., Ed.D. Stanford, M.A., M.Ed.
Prof. and Dir. of Summer Session.

* At Calgary.

Baker, H. S., B.A. Tor., Ph.D. Col., M.A. Assoc. Prof.
Clarke, S. C. T., Ed.D. Stanford, M.A., M.Ed. Assoc. Prof.
*Finn, T. G., Ed.D., A.M. Stanford, B.A. Assoc. Prof.
Hodgson, W. E., M.A. Minn., B.A., B.Ed. Assoc. Prof.
MacGregor, H. A., Ed.D. Oregon, M.S. Corn., B.Sc. Assoc. Prof.
Rees, R. E., Ph.D. Northwestern, B.A., B.Ed. Assoc. Prof.
Simpson, Maimie S., M.Sc., M.Ed. Assoc. Prof. and Dean of Women.
Sparby, H. T., B.Sc., M.A. Assoc. Prof. and Provost.
Walker, B. E., M.A. Assoc. Prof.
*Aikenhead, J. D., B.Sc. Manit., M.A. Chic. Asst. Prof.
*Buxton, E. W., B.A., B.Ed. Asst. Prof. and Asst. Provost.
*Barnett, H. B., B.A., Mus.Bac. Tor. Asst. Prof.
Caldwell, Muriel, B.Ed. Asst. Prof.
Card, B. Y., B.Sc., B.Ed. Asst. Prof.
Higgin, Gertrude C., B.A. Montana Asst. Prof.
Melsness, H. C., B.Sc. Asst. Prof.
*Newton, Bertha M., B.Sc. in Ed. Calif., A.M. Chic. Asst. Prof.
Pilkington, W., M.A., B.Ed. Asst. Prof.
*Stadelbauer, Helen B., B.Sc., M.A. Col. (Art) Asst. Prof.
*Woodsworth, J. G., Ed.D. Stanford, B.A., B.Ed. Asst. Prof.
Forbes, J. A., M.Ed. (Art) Lectr.
Miller, Velma I., B.Sc., M.Ed. Lectr., Secretary, Fac. of Educn.
Lampard, Dorothy, B.A. Manit., M.A. Chic Lectr.
*Hampson, C. G., B.A. 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., M.A. Prof.
Ryan, A. A., M.A. Assoc. Prof.
Scargill, M. H., B.A., Ph.D. Leeds Asst. Prof.
Kreisel, H., M.A. Tor. Asst. Prof.
Elder, A. T., M.A. Tor., B.A. Asst. Prof.
Godfrey, D. R., B.A., Ph.D. Dub. Asst. Prof.
*Watson, W., B.A. Br. Col., M.A., Ph.D. Tor. Asst. Prof.
Baldwin, R. G., B.A. Br. Col., M.A Tor. Lectr.
Robertson, Eunice, B.Ed. Lectr.
*Guy, E. F., M.A. Dal., Ph.D. Edin. Lectr.
Sleigh, G. F., M.A. Aberd., B.Litt. Oxon. Lectr.

*Entomology*

Strickland, E. H., M.Sc. Harv., F.R.S.C. Prof.
Hocking, B., B.Sc. Lond., M.Sc. Assoc. Prof.

*Fine Arts*

Glyde, H. G. (Art) Prof.
Eaton, R. S., Mus.B. McG. (Music) Assoc. Prof.
Orchard, R. H. G., M.A. Camb. (Drama) Asst. Prof.
Taylor, J. B. (Art) Asst. Prof.
Crighton, A. B., Mus.Bac. Tor. (Music) Asst. Prof.
Nelson, Esther (Drama) Ext. Lectr.

*French and German*, v. Mod. Langs.

*Geology*

Warren, P. S., B.A., Ph.D. Tor., F.R.S.C. Prof.
Folinsbee, R. E., M.Sc., Ph.D. Minn., B.Sc. Assoc. Prof.

* At Calgary.

Stelck, C. R., M.Sc., Ph.D. Stanford Asst. Prof.
Simpson, D. H., D.F.C., M.Sc., Ph.D. McG. Asst. Prof.
Gravenor, C. P., B.A. Tor., M.S. Wisc., Ph.D. Indiana Lectr.

*History*

Collins, R. W., M.A. Acad., Ph.D. Col., B.D. Union Theol. Sem., F.R.Hist.S. Prof.
Thomas, L. G., M.A. Assoc. Prof. and Sec., Fac. Arts and Sci.
Blackley, F. D., M.A. Tor. Asst. Prof.
*Self, G. M., M.A. McG., Ph.D. Chic. Asst. Prof.

*Household Economics*

Patrick, Mabel, B.A. Tor., M.A. Col. Prof., Dir. of Sch.
McIntyre, Hazel, M.S. Ames, B.Sc. Assoc. Prof.
Duggan, Grace L., M.Sc. Chic., B.Sc., B.Ed. Assoc. Prof.
Wade, Charlotte, B.Sc. Mt. All., M.A. Col. Lectr.
Cairns, Grace E., B.Sc. Instr. and Dietitian, Univ. Cafeteria.
Empey, Elizabeth L., B.Sc. Instr. and Dietitian, Univ. Dining Room.
Young, Baunita, B.Sc. Asst. Dietitian, Univ. Dining Room.
Brewer, Mrs. Alice, B.H.Ec. Sessl. Instr.

*Industrial Laboratories*, v. *infra*

*Law*

Bowker, W. F., Q.C., B.A., LL.B. (Jurisp.) Prof. and Dean.
Steer, G. H., Q.C., M.A. Qu. Hon. Prof.
Ford, Hon. Mr. Justice F., B.C.L. Trin. Coll. Tor., D.C.L. Tor., LL.D. Laval, LL.D. Hon. Prof.
Cairns, L. Y., Q.C., B.A. Hon. Prof.
Smith, A., B.A., LL.B. Prof.
Reed, G. W., B.A., LL.B. Tor. Assoc. Prof.
Weston, A. B., LL.B. W.Aust., B.C.L. Oxon. Asst. Prof.

Sessional Instructors

Bishop, N. V., B.A., LL.B.
Blackstock, G. M. D., B.A., LL.B.
Cobbledick, D. W., LL.B.
Cormie, D. M., LL.M. Harv., B.A., LL.B.
Moir, A. F., LL.M. Harv., B.A., LL.B.
Shortreed, J. W. K., B.A. Tor., LL.B.
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., F.R.S.C. Assoc. Prof.
Phibbs, E., M.A. Camb. Assoc. Prof.

Assistant Professors

Crosby, D. R., Ph.D. Prin., D.Phil. Oxon., B.Sc.
Fostvedt, T., M.S. Chic., B.Sc.
Jacka, R. C., M.S. Chic., B.Sc.
Gibb, A., M.A. Tor., Ed.D. Stanford, B.Sc., B.Ed.
Horton, G. K., B.Sc. Lond., M.Sc., Ph.D. Birm.
Moser, L., B.Sc. Manit., M.A. Tor., Ph.D. North Carolina.
Shaw, A., B.Sc. Lectr.
Rooney, P., Ph.D. Cal. Tech., B.Sc. Lectr.

*Medicine*, v. *infra*

* At Calgary.

*Modern Languages*

Healy, D. McN., M.B.E., L. ès L., D. de l'U. Paris, B.A. (French) Prof.
Müller, E., Ph.D. Northwestern, M.A. (German) Assoc. Prof.
Greene, E. J. H., D. de l'U. Paris, M.A. (French) Assoc. Prof.
*Graham, V. E., M.A. Oxon., Ph.D. Col., B.A. Assoc. Prof. and Asst. Dir.
Faucher, M., L. en Droit Paris, M.A. Calif. (French) Asst. Prof.
Samuel, G., M.A. Glas. (French) Asst. Prof., and Asst. to President.
Starchuk, O., Dr. Jur. et Rer. Pol. Chernowitz (Russ.) Lectr.
Reinhold, E., B.Sc., M.A. (German) Lectr.

*Nursing*, v. *infra*

*Philosophy and Psychology*

Smith, D. E., M.A. Qu., Ph.D. Harv. (Psychol.) Prof.
Mardiros, A. M., M.A. Melb., M.Litt. Camb. (Philos.) Assoc. Prof.
Spearman, D., M.A. McG., M.A., Ph.D. Montreal (Psychol.) Asst. Prof.
Penelhum, T. M., M.A. Edin., B.Phil. Oxon. Lectr.
Wilson, Lolita, M.A. Br. Col., B.A. Lectr.

*Physical Education*

Van Vliet, M. L., M.S. Oregon, Ed.D. U.C.L.A. Prof.
Eriksson, A. W. E., M.A. Wash., M.Sc. Assoc. Prof.
Smith, W. D., B.P.H.E. Tor., M.A. Calif. Assoc. Prof.
Hastie, Evangeline A., B.A. Tor. Asst. Prof.
Austin, Patricia L., B.P.H.E. Tor., M.A. Col. Asst. Prof.
*Goodwin, L., B.A., M.Ed. Asst. Prof.
McLachlin, H. J., B.Sc. McG. Asst. Prof.
Affleck, A. F., B.P.H.E. Tor. Instr.
White, Doris L., B.Ed. San Diego State Coll. Instr.

*Physics*

Grayson-Smith, H., M.B.E., 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. Assoc. Prof.
Harrold, J. H., M.A., Ph.D. Tor. Asst. Prof.
Sharp, R. T., M.Sc. McG. Asst. Prof.
*Martin, M. C., B.Sc. St. F.X., M.Sc. W. Ont. 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., B.S., M.Sc., Ph.D. Lond. Assoc. 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., Ph.D. Clark, M.A. Assoc. Prof.
*Self, G. M., M.A. McG., Ph.D. Chic. Asst. Prof.
Gainer, W. D., M.S. Iowa State, B.Sc. (Business Admin.) Asst. Prof.

* At Calgary.

Mackenzie, W., B.Sc. Glas., B.Litt. Oxon., M.S. Corn. Asst. Prof.
Wonders, W. C., B.A. Tor., M.A. Syracuse, Ph.D. Tor. (Geog.) Asst. Prof.
Davy, G. R., B.A. W. Ont., M.A. Fletcher Sch. of Law and Diplomacy Lectr.
Wise, T., M.A. Camb. Lectr.
MacDowell, G. F., B.A. Dal., A.M. Clark Sessl. Lectr.

*Zoology*

Rowan, W., D.Sc. Lond., F.R.S.C. Prof.
Miller, R. B., M.A., Ph.D. Tor. Prof.
Moore, E., M.A. Sask., Ph.D. Tor. 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. Sessional Lectr.

*Animal Science*

McElroy, L. W., Ph.D. Calif., M.Sc. Prof.
Clandinin, D. R., M.S.A. Br. Col., Ph.D. Wis. (Poultry) Prof.
Bowstead, J. E., M.Sc., Ph.D. Wis. Assoc. Prof.
Robblee, A. R., Ph.D. Wis., M.Sc. (Poultry) Assoc. Prof.
Bowland, J. P., B.S.A. Manit., M.S. Wash., Ph.D. Wis. Asst. Prof.
O'Donoghue, J. G., D.V.M. Tor. (Vet. Sc.) Lectr.
Berg, R. T., B.Sc. Lectr.

*Dairying*

Thornton, H. R., Ph.D. Wis., B.Sc. Prof.
Wood, F. W., M.Sc. Asst. Prof.
Smith, L. M., M.Sc. Asst. Prof.
Zalik, S., B.S.A., M.Sc. Manit., Ph.D. Indiana Asst. Prof.
Person, C. O., M.A. Sask. (Cytol.) Asst. Prof.

*Plant Science*

Unrau, J., B.S.A., M.Sc. Sask., Ph.D. Wash. (Genetics and Plant Breeding) Prof.
McCalla, A. G., Ph.D. Calif., M.Sc., F.R.S.C. Dean, Fac. of Agric., Prof.
Henry, A. W., M S.A. Sask., Ph.D. Minn. (Plant Pathol.) Prof.
Johnson, L. P. V., Ph.D. Wash., M.Sc. (Genetics and Plant Breeding) Prof.
Hilton, R. J., B.Sc. McG., Ph.D. Lond. (Hortic.) Prof.
Corns, W. C., Ph.D. Tor., M.Sc. (Crop Physiol. and Technol.) Assoc. Prof.
Knowles, R. H., B.S.A. Tor. (Hortic.) Asst. Prof.
Smith, W. E., M.Sc. (Field Crops) Asst. Prof.

*Soils*

Newton, J. D., B.S.A. McG., Ph.D. Calif. Prof.
Bentley, C. F., Ph.D. Minn., M.Sc. Assoc. Prof. and Sec. of Fac. of Agric.
Toogood, J. A., Ph.D. Minn., B.Sc. Assoc. Prof.
Ward, A. S., B.S.A., M.Sc. Asst. Prof.

## Dentistry

Hamilton, W. S., D.D.S. Tor., L.D.S. Tor., F.A.C.D., F.D.S.R.C.S. (Oral S.) Dean, Fac. of Dent., Prof.
Maclean, H. R., D.D.S., F.A.C.D., F.I.C.D. (Oper. D.) Prof.
Fraser, S. D., D.D.S. (Prosthetic D.) Prof.
Quigley, W. A., L.D.S., D.D.S. Tor., M.S. Mich. (Orthodontia) Assoc. Prof.

Brass, G. A., D.D.S., B.S.D. Northwestern
(Oper. D.) Assoc. Prof.
Orobko, W., B.Sc., D.D.S.
(Oper. D.) Assoc. Prof.
McLean, J. D., D.D.S., L.D.S. Tor.
(Prosthetic D.) Assoc. Prof.
McMurchy, K. A., B.A. Sask., D.D.S.
(Oper. D.) Assoc. Prof.
Stewart, D. R., D.D.S.
(Prosthetic D.) Asst. Prof.
Samuels, H. L., B.Sc., D.D.S.
(Oper. D.) Asst. Prof.
Blaquiere, R. H., D.D.S.
(Prosthetic D.) Asst. Prof.
Fee, A. D., D.D.S.
(Prosthetic D.) Asst. Prof.

Lecturers

Blackmore, R. V., D.D.S. (Oper. D.).
Eastwood, B. J., D.D.S.
(Orthodontics).
Webber, W. E., D.D.S., L.D.S. Tor. (Prof. Ethics).
Hawkins, J. D., D.D.S.
(Oral Anat.).
Cameron, R. B., D.D.S., L.D.S. Tor. (D. Therap.).
Florence, D. E., D.D.S., L.D.S. Tor. (Oral Anat.).
Stuart, W. R., D.D.S.
(Prosthetic D.).
Duke, C. G., D.D.S.
(Prosthetic D.).

Instructors

Gilmour, D. S., D.D.S. (Oper. D.).
Grimsrud, H. A., D.D.S.
(Oper. D.).
Hague, L. A., D.D.S. (Oper. D.).
MacKenzie, B. M., D.D.S.
(Prosthetic D.).
McClelland, R. C., D.D.S.
(Prosthetic D.).

Hon. Members

Clay, J. W., L.D.S. W. Ont., D.D.S. Penn. and Tor., F.I.C.D.
(Exodontia).
Gilchrist, H. A., D.D.S. Northwestern, F.R.C.P.
(Prosthetic D.).
M'Intyre, R. R., L.D.S., D.D.S. Tor. (Orthodontics).
Husband, C. D., D.D.S., F.I.C.D.
(Local Anæsthesia).
Mason, A. B., D.D.S. Penn.
(Periodontia).
Ness, H. B., D.D.S. Minn., L.D.S. Sask.
(Crown and Bridge Work).
Rooney, R. A., D.D.S. Valparaiso
(Prosthetic D.) Hon. Prof.

## Engineering

v. also Research Council of Alberta and Industrial Laboratories

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Gregg, J. W., B.S. Calif.
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Scott, A. L., M.A.Sc. Tor.
Asst. Prof.
Quon, D., Sc.D. M.I.T., M.Sc.
Sp. Lectr.

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Blench, T., B.Sc. Glas. (Irrigation Eng.) Assoc. Prof.
Preston, W. W., B.Sc. Qu.
(Drawing and Descriptive Geom.) Assoc. Prof.
Gads, L. E., B.Sc.
(Civil E.) Assoc. Prof. and Sec. of Fac. of Engineering.
Ford, G., Ph.D. Stanford, M.Sc.
Assoc. Prof.

McManus, R. N., Ph.D. Ill., M.Sc. (Civil E.) Assoc. Prof.
Sinclair, S. R., M.Sc. (Civil E.) Asst. Prof.
Bouthillier, P. H., S.M. Harv., B.Sc. (Civil E.) Asst. Prof.
Longworth, J., M.Sc. Ill., B.Sc. (Applied Mech.) Lectr.
Thorssen, L. A., M.S. Iowa (Civil E.) Sp. Lectr.
Kasten, H. L., M.Sc. (Civil E.) Sp. Lectr.

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King, R. W., B.Sc. Sessl. Lectr.

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Lilge, E. O., M.Sc. Prof.
Patching, T., B.Sc. Assoc. Prof.

## Medicine

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

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Carmichael, J. E., B.Sc., M.D., C.M. Qu. Hon. Instr.
Gain, E. A., B.A., M.D. Sessl. Instr.

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McAlister, W. J., M.C., M.D., C.M. McG. (Mental Hyg.) Hon. Instr.

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Reesor, Isabelle M., M.A. Col., B.Sc. Lectr.
4 Hospital Teachers.

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Quehl, E., M.D. Sessl. Instr.

*Ophthalmol. and Rhino-Oto-Laryngol.*

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Johnston, D. C., M.D.
Moreau, J. P., B.A. Laval, M.D., F.R.C.S.Can.
Day, F. G., M.Ch.Orth. Liv., B.Sc., M.D., F.R.F.P.S. Glas. Sessl. Instr.

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Armstrong, B. H., M.D.
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Swallow, Kathleen A., B.Sc., M.D.

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Stirrat, J. H., B.Sc., M.D., Ch.B. Glas. Asst. Prov. Pathologist, Assoc. Prof.
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Macdonald, G. R., B.Sc., M.D. Lectr. and Asst. Prov. Pathologist.
Hanson, S., M.D. Asst. Prof.
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Sereda, M. M., M.D. Instr.
Lynch, M. J. G., M.B., B.Ch. N.U.I. Sessl. Lectr.

*Pharmacology*, v. Physiol., *supra*

*Pharmacy*

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Murray, J. R., M.Sc. Asst. Prof.
Riedel, E. E., M.Sc. Asst. Prof.
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Sprague, W. H. Instr.

*Psychiatry*

MacLean, R. R., M.D. Clin. Prof.
McAlister, W. J., M.C , M.D., C.M. McG. Hon. Instr.
McCullough, D. L., B.A., M.D., B.C.L. Trin. Coll. Tor., D.P.M. Lond. Hon. Instr.
Michie, T. C., M.D. Instr.
MacPherson, A. D., M.D. Instr.
Spaner, S., B.A., M.D. Instr.

*Radiology*

Duggan, H. E., M.D. Lectr.
Malcolmson, P. H., M.D. Tor., B.A. Lectr.
Mallett, M., M.D., C.M. McG. Instr.
Clare, R. McC., M.D. Instr.
Copesteake, G. G., B.A. Camb., D.M.R.D. Edin. Sessl. Instr.
Hall, R. M., M.D. Tor., D.M.R. Lond. Sessl. Instr.

*Surgery and Clinical Surgery*

MacKenzie, W. C., B.Sc., M.D., C.M. Dal., M.S. Minn., F.A.C.S., F.R.C.S.Can. Prof.
Hepburn, H. H., M.C., M.D., C.M. McG., F.R.C.S. Ed. and Can., F.A.C.S. Hon. Prof.
Blais, The Hon. A., M.D., B.S. Laval, F.A.C.S. (Clin. Surg.) Hon. Prof.

Ellis, G. N., B.A., M.D., C.M. Qu. (Urol.) Clin. Prof.
Alexander, N. E., M.D., F.A.C.S. Hon. Assoc. Clin. Prof.
Anderson, R. L., B.Sc., M.D., F.A.C.S., F.R.C.S.Can. Hon. Assoc. Prof.
Anderson, W. S., M.D., M.S. Tor., B.Sc., F.A.C.S., F.R.C.S.Can. Assoc. Prof.
Morton, G. K., M.D. (Neurosurg.) Asst. Clin. Prof.
Wilson, T. S., B.Sc. New Br., M.D. Tor., F.R.C.S Can. (Clin. S.) Asst. Clin. Prof.

Lecturers

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Tucker, G. N., M.D. Tor. (Urol.).
Greene, E., M.D., C.M. McG., F.A.C.S., F.R.C.S. Can. and Ed. (Surg. Anat.) Hon. Lectr.
Hitchin, E., M.D.
Mousseau, L. P., M.D. Montr., F.A.C.S.
Weinlos, M., B.A., M.D., F.R.C.S. Can. and Ed.
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Archibald, W. S., M.D., C.M. McG., B.A. (Clin. S.).
Hardy, A. W., M.D., F.A.C.S. (Clin. S.).
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Lees, J. M., M.D. (Clin. S.).
Shandro, W. A., M.D., C.M. McG., F.R.C.S.Can. (Clin. S.).
Weinlos, C. H. W., B.A., M.D., F.R.C.S. Can. (Clin. S.).

Instructors

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Hall, W. F. M., B.Sc., M.D., F.R.C.S.Can.
Harrison, R. C., M.D., M.S. Tor., F.R.C.S.Can. (Clin. S.).
Conroy, F. D., M.D. (Urol.).
Meltzer, H., M.D. Manit. (Clin. S.).
Speakman, T. J., M.D. Manit., M.Sc. McG., F.R.C.S.Can.

Sessional Instructors

Kling, S., B.A. Sask., M.D. Tor., F.R.C.S.Can.
Michalyshin, B., M.D., F.R.C.S. Can.
McCarten, A. B., M.D. Manit., F.R.C.S., F.R.C.S.Can.
Willox, G. L., M.D., F.R.C.S. Can.
Boileau, G. R., B.A., M.D., F.R.C.S.Can.
Dafoe, C. S., M.D., C.M. Qu.
.....

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Rodman, F. S. B., M.Sc. Sask., Ph.D. Minn., M.D. Lectr.

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Noble, C. E., B.A., B.Sc. Asst.

**Provincial Laboratory of Public Health**

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.D., Ch.B. Manc. Dir.

* At Calgary.

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Charlesworth, J. S., B.Sc. (Gasoline and Oil Testing) Chemist.

Odynsky, W., M.Sc. Soil Surveyor.

Hodgson, G. W., Ph.D. McG., M.Sc. (Bituminous Sands) Res. Chemist.

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Carveth, J. L., B.Sc. (Fuels) Asst. Res. Engineer.

Dunn, J. S. C., M.Sc. (Fuels) Asst. Res. Engineer.

Scott, Jean, B.Sc. (Bituminous Sands) Asst. Res. Chemist.

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ST. STEPHEN'S COLLEGE, Theological College of the United Church of Canada, is situated on the University campus. *Postal Address*: University of Alberta, Edmonton, Alberta, Canada. (*Telephone*: Edmonton 31153.) Principal—E. J. Thompson, M.A., B.D., Ph.D.

ST. JOSEPH'S CATHOLIC COLLEGE (Arts). *Postal Address*: University of Alberta, Edmonton, Alberta, Canada. (*Telephone*: Edmonton 31569.) Rector—Brother Luke. Affiliated to the Univ. in 1926 as an Arts Coll. working under the authority of the Senate; occupies a site on the Univ. campus.

The PROVINCIAL INSTITUTE OF TECHNOLOGY AND ART, Calgary (*Telephone*: Calgary 81559), operates directly under the authority of the Dept. of Education. Affiliated 1926. Principal—E. W. Wood.

## GENERAL INFORMATION

The University was created in 1906 by an Act of the first session of the first legislature of the Province. In Jan. 1908 Dr. Henry Marshall Tory entered on his duties as President. The 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 Building (1915), the Engineering Laboratories (1919) and the Medical Building (1921). In 1922 the neighbouring Strathcoma Hospital was acquired

and became the University Hospital, an important factor in the training of medical students. Clinical teaching facilities were greatly increased by the erection of the Mewburn Pavilion for war veterans by the Dept. of Veterans' Affairs in Feb. 1945 and the expansion of the maternity and pædiatric portions of the Hospital in 1950. A new Nurses' Residence was opened in 1947 and expanded in 1950, and the Aberhart Memorial Sanatorium was opened in Feb. 1952 for tuberculosis patients. Following the great increase of the numbers of students at the end of World War II came the extension of the West and East wings of the Medical Building in 1946 and 1947 and the commencement of the Rutherford Library which was opened on May 15, 1951. The Faculty Apartment Houses, built to accommodate some of the married members of the rapidly growing faculty, were opened in 1947. A Students' Union bldg. was completed in 1950, as well as a new bldg. to accommodate the Provincial Laboratory of Public Health.

In 1944 the University assumed responsibility for all teacher training in the province and on April 1, 1945, took over the Provincial Normal Schools and their staffs. The Calgary Normal School, which was housed in the building of the Provincial Institute of Technology and Art, became the Calgary Branch of the University.

INCOME (1951–52). Total, approx. $2,830,000 (about 61 per cent. from revenues of Province of Alberta ; about 16 per cent. from revenues of Canada ; and about 23 per cent. from tuition fees).

LIBRARY, 145,000 vols.

LABORATORIES for all scientific courses ; museum ; herbarium ; farm ; agricultural experimental plots.

RESEARCH LABORATORIES for the study of (1) coal ; (2) petroleum products ; (3) field crops ; (4) soils ; (5) strength of materials ; (6) animal nutrition ; (7) pharmacy ; (8) cancer.

The Provincial Laboratory of Public Health and the industrial laboratory are also situated on the campus.

FACULTIES AND DEANS. V. page 669.

SCHOOLS AND DIRECTORS. V. page 669.

TEACHING HOSPITALS. University (950 beds), General (530 beds), Misericordia (300 beds), Royal Alexandra (537 beds), Charles Camsell Oliver Mental Hospital, Aberhart Memorial Tuberculosis Sanatorium.

MATRICULATION. Examns. are conducted in June and August under the control of the High School and Univ. Matricn. Examns. Board of the Provincial Department of Education.

Univ. admission requirements : (1) Possession of Alberta High Sch. Dipl., (2) Possession of at least a 60 per cent. average in 6 subjs. of Grade XII (sr. matric.), namely, English Lang. 30, Social Studies 30, Maths. 30, Sci. 30 (Chem.), Sci. 31 (Phys.), one of French 30, German 30, Latin 30. The subj. requirements vary somewhat in the various Facs. but the list given will apply generally. Students from other provinces or countries will be required to possess equivalent standing. *See also* Appendix I.

DEGREE COURSES. 3 yrs. (honours, 4 yrs.)—B.A., B.Sc. (Arts), B.Com. ; 3 yrs.—B.Sc. (Household Econ.), B.H.Ec., B.Sc. (Pharmacy), LL.B. ; 4 yrs.—B.Sc. (Agric.), B.Sc. (Engineering), B.Sc. (Nursing) (2 yrs.' hospl. trg.), B.Ed. ; 5 yrs.—D.D.S. (including 1 yr. pre-dental). " Combined " courses : 5 yrs.—B.A., B.Com., B.A., LL.B. ; 6 yrs.—B.A., B.Sc. (Engineering) ; M.D. (4 yrs. after 2 yrs. Arts and Sci.).

A Bachelor with honours standing may obtain the M.A. or M.Sc. in 1 yr. of

advanced study (in 2 yrs. for Bachelors with general degree). The M.Ed. requires the equivalent of 2 yrs. of advanced study. 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 only as an honorary degree.

OTHER COURSES. *Summer session* (6 weeks in July and Aug.) mainly for students in Arts and Science and Educn.; Banff School of Fine Arts (*see* below). *Education*: Senior 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 $160; B.Sc., $165-$180; B.Com., $165-$200; B.Sc. (H.Ec.) and B.H.Ec., $165-$180; B.Sc. (Agric.), $150-$190; B.Sc. (Engineering), $210-$260; D.D.S., Predental, $165, other years, $300-$350; B.Ed., $135-$160; LL.B., $200-$225; M.D., $425-$450; B.Sc. (Nursing), 1st yr.—$165, 4th yr.—$180, 2nd and 3rd yrs.—gratis; B.Sc. (Pharmacy), $190-$215. Inclusive fee for Master's degree, $150-$225. General Fees: Registration, $8; Library, $8; Medical Service: Edmonton, $10; Calgary, $4; Students' Union: Edmonton, $21·25; Calgary, $20·50.

TEACHING SESSION. Sept. to April (two terms, separated by Christmas vacation).

RESIDENCES. Pembina Hall, 152 women (*Telephone*: 34867); Athabasca Hall, 138 men (*Telephone*: 31472); Assiniboia Hall, 186 men (*Telephone*: 35171); St. Joseph's College (*Telephone*: 31569); St. Stephen's College (*Telephone*: 31153); and St. Aidan's House (*Telephone*: 37264), 229 men. All except St. Aidan's (11,009 89th Avenue) are on the campus. Cost of room and board, $55 to $60 per month. Full meal and restaurant service provided by cafeteria. Social life is under the supervision of the Provost.

APPOINTMENTS. A sub-office of the Edmonton branch of the National Employment Service, managed by a graduate of the University, is located on the campus. This serves both graduates and undergraduates.

ALUMNI ASSOCIATION. All graduates are members of the Alumni Association, whose operations are controlled by a Council of twenty members. The Alumni Secretary-Treasurer, employed by the University, has his office in the Students' Union Building; he is also editor of *The New Trail* (*see below*).

NAVAL, MILITARY AND AIR UNITS. Officers' training is provided for undergraduates by the University Naval Training Division of the Royal Canadian Navy, the Alberta Contingent of the Canadian Officers' Training Corps of the Canadian Army and the Reserve University Flight of the Royal Canadian Air Force.

MEDICAL SERVICES. All undergraduate students pay an annual fee which is applied to the maintenance of a Medical Service Fund. This trust fund is administered by a committee consisting of the Provost (chairman), the Medical Director, the Bursar, the President of the Students' Union, the President of the Wauneita (Women's) Society, the Treasurer of the Students' Union and the Chairman of one House (Residence) Committee. Students are entitled to medical treatment, under certain conditions and provisions.

ATHLETIC FACILITIES. Playing fields for Rugby and Association football and running track. University Gymnasium (formerly R.C.A.F. Drill Hall)

with courts for basket-ball, volley-ball and badminton. Ice-hockey rink opened in 1927 and paid for by student contributions.

STUDENTS' UNION. Student affairs in Edmonton and at the Calgary Branch are handled by a Students' Union at each place. In Edmonton the Union occupies extensive offices in the Students' Union Building and employs a permanent Secretary. The S.U. fee collected by the University at the time of registration includes a substantial contribution to the Building Fund and a subscription to the *Gateway* student newspaper.

UNIVERSITY EXTENSION work includes lectures, radio discussion group material, debating material, general information service, agricultural bulletins, short courses in Art and Dramatics, film and lantern slide service, open-shelf and travelling libraries and Community Life Conferences.

RESEARCH COUNCIL OF ALBERTA. Under the Act which establd. the Res. Council of Alberta, the Council is housed on the campus. It is, however, independent of the Univ. admin. The essential function of the Council is to conduct res. directed to the utilization of the resources of the Prov. of Alberta. In this regard, the members of its staff collaborate with members of related Depts. of the Univ.

The BANFF SCHOOL OF FINE ARTS held during July and Aug. offers courses in Theatre, Art, Music, Applied Art, Oral French, Photography, Play-writing and Radio-writing.

PUBLICATIONS. *Calendar* (summer); Summer Session *Announcement*; *Information for Prospective University Students* (for matriculants); *Press Bulletin* (at intervals) and *News Letter* (monthly), by the Dept. of Extension; *The New Trail* (quarterly), jointly by the Univ. and Alumni Assocn.; *Gateway* (student newspaper, weekly); *Evergreen and Gold* (annually by students); *Western Theatre* (quarterly, by Depts. of Fine Arts and Extension), *Stet* (Students' Literary Quarterly).

UNIVERSITY PRESS. The University maintains its own printing and book-binding establishment on the campus.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Natl. Res. Council, $52,142 in accountable advances, for res. work under direction of staff members; Defence Res. Bd., $10,675 in grants, for work under the direction of staff members; Natnl. Cancer Inst. of Canada, $10,071 in grants, for res.; Canadian Cancer Soc., Alberta Div., $1200, for res.; late Mrs. J. S. M. Griesbach, $6397, for cancer res.; Canadian Cancer Soc., Alberta Div., $160,000, to build the Dr. J. McEachern Cancer Res. Lab.; Edmonton Civic Employees Assocn., $2500, for equipment for Cancer Res. Lab.; Barley Improvement Inst., $3500, for res. in Dept. of Plant Sci.; Imperial Oil Ltd., grant of $3250, for study on "The effect of investment on the economy of the Province of Alberta"; Rockefeller Foundation, $1000, as first instalment of grant for res. in Dept. of Pol. Econ.; C. Callinger, a steer and a calf; Mrs. Irene Gonsett, $1000, to expand the library collection of books in Ukrainian lit. and lang.; Friends of the Univ., $1211. To Bldg. Fund of Banff Sch. of Fine Arts, through Banff Foundation: F. R. Graham, Vancouver, further sum of $5000; anon. donor, $3333; Calgary Brewing and Malting Co. Ltd., $2500; F. McMahon, $2500; G. McMahon, $2500; 3 Gas Cos., $2000; Imperial Oil Ltd., $2500.

Mrs. Irene Gonsett, R. R. Gonsett Scholp. of $1000; California Standard Co., 3 scholps. of $375 and one of $750; Socony-Vacuum Exploration Co.,

2 $500 scholps.; Lane-Wells Co., scholp. of $500; Alberta Dental Assocn., 3 bursaries or scholps. of $200 each; Canadian Legion, scholp. of $400; Hudson's Bay Co., scholp. of $300; various other scholps. and prizes of smaller value.

NEW BUILDINGS. New Rutherford Library in use; new Engin. bldg. begun; at Banff Sch. of Fine Arts, 2 addtl. chalets in memory of Col. J. H. Woods constructed; new Admin. Bldg. begun.

OTHER DEVELOPMENTS. Courses of first yr. in Arts and Sci. offered at Calgary branch; these corresponded to first yr. in Nursing and first pre-professional yr. in Med., Dent. and Law. Asst. Dir. of Branch apptd. from Fac. of Arts and Sci. At Banff Sch. of Fine Arts a new 6 wks.' course in Business Admin. inaugurated.

Under scheme for federal aid to Univs., the Univ. of Alberta recd. $461,000 in the course of the yr.; first Univ. of Alberta Natl. Awards in Letters, Music and Painting and the Allied Arts made.

ADULT EDUCATION. Evening classes at Edmonton and Calgary enrolled nearly 1400 students in general fields of business, langs., homemaking and Arts. In community art classes 386 persons enrolled in 24 classes held at 14 centres. Classes in music appreciation, choral leadership, drama and creative writing offered in Edmonton and in rural areas. Div. of Visual Instrucn., circulated 376 sets of slides, 1913 sets of filmstrips and 16,903 reels of moving pictures. Distribution of agricultural bulletins, circulars and leaflets reached nearly 18,000. A new publicn., *MAT*, covering Univ. and Provincial events in music, art and the theatre, appeared quarterly. From both central library and travelling libraries the total extension library circulation was 89,000. In Petroleum Trg. Div., 480 employees of contract Drilling Cos. recd. trg. in safety and personnel work.

Banff Sch. obtained Henry Marshall Tory award for institution making the outstanding contribution to adult educn. in Canada in 1950–51.

RETIREMENTS. Prof. J. J. Ower (Pathol.); Prof. R. J. Lang (Phys.).

RESIGNATIONS. Dr. W. B. Leach (Pathol.); Prof. J. W. Neilson (Periodontol. and Oral Pathol.); Dr. J. S. Wilson (Pathol.).

DEATHS. Dr. R. L. Rutherford (Prof. of Geol.); J. W. E. Markle (Alumni Sec.); Dr. Walter H. Scott (Hon. Clin. Prof. of Med.).

HONORARY DEGREES. October 1951. Lindsay Ambrose Thurber, active in the development of Pub. Sch. educn. in Alta.; Frank Gilbert Roe, writer on Western Canadian Hist. May 1952. The Hon. John James Bowlen, Lt.-Gov. of Province of Alta.; Dr. Arthur Earl Walker, alumnus of Univ. of Alta. and Prof. of Neurosurg. at Johns Hopkins Univ.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 82 | 2093 |
| Women | 100 | 1131 |
| Total | 182 | 3224 |

Almost all of the part-time students are those classified as " Partials," who are fully matriculated but are not enrolled for a full year's work.

To the above totals, the Summer Session added 727 men and 973 women ; the Banff School 79 men and 373 women ; and short courses 12 men.

DEGREES AWARDED. *Agriculture* : B.Sc., 34 ; *Arts and Science* : B.A., 86 ; B.Sc., 117 ; *Commerce* : B.Comm., 27 ; *Dentistry* : D.D.S., 28 ; *Education* : B.Ed., 164 ; *Engineering* : B.Sc., 117 ; *Graduate Studies* : M.A., 12 ; M.Ed., 16 ; M.Sc., 43 ; B.D., 1 ; *Household Economics* : B.Sc., 17 ; *Law* : LL.D., 44 ; *Medicine* : M.D., 53 ; *Nursing* : B.Sc., 13 ; *Pharmacy* : B.Sc., 25. *Total number of first degrees awarded*, 725.

DIPLOMAS AWARDED. *Education* : 616. *Nursing* : 81.

# UNIVERSITY OF BISHOP'S COLLEGE

Founded 1853

*Postal Address*: Lennoxville, Quebec, Canada.
*Telephone*: 2-7922.

VISITORS—THE ARCHBISHOP OF QUEBEC and THE BISHOP OF MONTREAL.

CHANCELLOR—JOHN BASSETT, D.C.L., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—A. R. JEWITT, M.A. Oxon., Ph.D. Corn., D.C.L.

PRESIDENT OF THE CORPORATION—JOHN H. MOLSON, D.C.L.

VICE-PRESIDENT OF THE CORPORATION—Colonel A. A. MUNSTER, D.C.L.

REGISTRAR—W. L. TOMKINS, B.A.

VICE-PRINCIPAL—Professor A. L. KUEHNER, M.A. Qu., F.C.I.C.

DEANS—*Arts and Science*—A. R. JEWITT, M.A. Oxon., Ph.D. Corn., D.C.L.; *Divinity*—Rev. S. JELLICOE, M.A., B.D. Durh.

## TEACHING STAFF

*Biology*

Langford, A. L., M.A. Qu., Ph.D. Tor. Prof.

*Chemistry*

Kuehner, A. L., M.A. Qu., F.C.I.C. Prof.

McCubbin, J. W., M.Sc. Qu., Ph.D. McG. Assoc. Prof.

*Classics*

Preston, A. W., M.A. Edin. and Oxon. Prof.

*Divinity*

Jellicoe, Rev. S., M.A., B.D. Durh. Dean.

Scott, Rev. E., M.A. Oxon. Mountain Prof.

Moffatt, Rev. Canon E. K., M.A., B.D. Manit. Lectr.

Clarke, Rev. H. L., M.A. Oxon., S.T.M. Un. Theol. Sem. Lectr.

*Education*

Jefferis, J. D., M.A. McG., Ph.D. Prof.

*English*

Jewitt, A. R., M.A. Oxon., Ph.D. Corn., D.C.L. Acting Hd.

Gray, J., M.A. Aberd. and Oxon. Asst. Prof.

Motyer, A. J., B.A. Mt. All., M.A. Oxon. Lectr.

*History*

Masters, D. C., M.A. Tor., D.Phil. Oxon. Prof.

*Mathematics*

Stevenson, A. F. C., M.A., Ph.D. Camb. Prof.

*Modern Languages*

Yarrill, E. H., M.A. Tor., Cert. de Phon. & Dipl. Sup. Paris Prof.

*Philosophy and Economics*

MacIntosh, R. M., M.A. McG. Lectr.

Wilson, N., M.A. Tor., Ph.D. Yale Lectr.

Rev. L. M. Outerbridge, B.D. Qu., M.A., Ph.D. Chic. Lectr.

*Physics*

Home, M. A., B.A. Br. Col., M.Sc. McG. Prof.

## GENERAL INFORMATION

The Coll., founded in 1843, was in 1853 by Royal Charter constituted a Univ. with power to confer degrees. It is administered by a Corporation, whose members are apptd. by joint action of the Bishops of the Province of Quebec on recommendation of nominating Cttee. composed of Chancellor, Vice-Chancellor and President and Vice-President of Corporation.

ADMISSION. *See* Appendix I.

DEGREES AND COURSES. The Coll. provides Ord. courses for degrees of B.A. and B.Sc. in Arts covering 3 yrs., Hons. courses 4 yrs. Theol. students may qualify for B.A. with Theol. options in 3 yrs., followed by 2 yrs. of Theol. study for title of L.S.T. Postgrad. work provided for degrees of M.A. and M.Ed.

The D.C.L. may be conferred by grace of Convocation, *honoris causa*.

The D.D., *jure dignitatis*, may be conferred upon any Bishop or Dean of the Church of England at discretion of Convocation.

The Univ. conducts a 6 weeks' Summer Sch. for Teachers.

FEES. For tuition, $200 p.a. for Arts student; $150 for Divinity student; bd. and lodging with heating and lighting, $475 p.a.

PUBLICATION. *Calendar* (March), no charge.

## THE YEAR 1951–52

HONORARY DEGREES. June 1952: *D.C.L.*—The Hon. Stanley Woodward, U.S. Ambassador to Canada; The Most Rev. W. F. Barfoot, M.A., D.D., Primate, Church of England in Canada; Lady Eaton, LL.D.; B. C. Gardner, Esq., M.C., President, Bank of Montreal and Chancellor of McG. Univ.; C. J. Mackenzie, C.M.G., M.C., B.E., M.C.E., D.Sc., D.Eng., LL.D., F.R.S., F.R.S.C., President, Atomic Energy Control Bd.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1 | 164 |
| Women | 1 | 78 |
| Total | 2 | 242 |

DEGREES, ETC. M.A., 3; B.A., 37; B.Sc., 13; L.S.T., 3.

[*Information compiled as at* 9/5/53.]

# THE UNIVERSITY OF BRITISH COLUMBIA*

Founded 1908

*Postal Address*: Vancouver 8, British Columbia, Canada.
*Telegraphic Address*: Ubrico.
*Telephone*: Alma 1191.

VISITOR—THE LIEUT.-GOVERNOR OF THE PROVINCE.

CHANCELLOR—SHERWOOD LETT, C.B.E., D.S.O., M.C., Q.C., B.A., LL.D.

PRESIDENT—NORMAN A. M. MACKENZIE, C.M.G., M.M. and Bar, Q.C., B.A., LL.B. Dal., LL.M. Harv., LL.D. Mt. All., New Br., Tor., Ott., Brist., Alta. and Glas., D.C.L. Whitman, D.Sc.Soc. Laval, F.R.S.C.

DEANS—*Arts and Science*—S. N. F. CHANT, O.B.E., M.A. Tor. (Psychol.); *Applied Science*—H. J. MACLEOD, O.B.E., B.Sc. McG., M.Sc. Alta., A.M., Ph.D. Harv., F.A.I.E.E. (Elect. Eng.); *Agriculture*—B. EAGLES, M.A., Ph.D. Tor., B.A., F.R.S.C. (Dairying); *Law*—G. F. CURTIS, LL.B. Sask., B.A., B.C.L. Oxon., LL.D. Dal. *Graduate Studies*—H. F. ANGUS, B.A., LL.D. McG., B.C.L., M.A. Oxon., F.R.S.C. (Pol. Sci.); *Pharmacy*—A. W. MATTHEWS, M.Sc. Alta., Ph.D. Florida; *Medicine*—M. M. WEAVER, A.B. Wheaton, M.S., Ph.D., M.D. Chic., F.A.C.P.; *Forestry*—.....; *Administrative and Inter-Faculty Affairs*—W. H. GAGE, M.A. (Maths.); *Women*—M. DOROTHY MAWDSLEY, B.A. McG., Ph.D. Chic., M.A. (English).

EXECUTIVE ASST. TO THE PRESIDENT—G. C. ANDREW, B.A. Dal., M.A. Oxon.

REGISTRAR AND SECRETARY OF SENATE—C. B. WOOD, B.A. Tor., A.M. Col.

ASSOC. REGISTRAR—JOHN E. A. PARNALL, M.A. Tor., B.A., B.Ed.

ASST. REGISTRAR—MYRTLE L. KIEVELL, B.A.

HONORARY BURSAR—E. D. MACPHEE, M.M., M.A., B.Ed. Edin.

COMPTROLLER—R. M. BAGSHAW.

LIBRARIAN—N. HARLOW, Ed.B. U.C.L.A., M.A. Calif.

SECRETARY TO THE PRESIDENT—Mrs. HELEN HARMER, B.A.

## TEACHING STAFF

*Agricultural Economics*

Anderson, W. J., B.S.A., M.Sc. Sask., Ph.D. Chic.
Assoc. Prof., Actg. Hd. of Dept.

Medland, S. L., B.S.A. Sask., M.S.A. Instr.

Menzie, E. L., B.S.A. (Sess. 1952–1953) Instr.

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

*Agricultural Engineering*

Eagles, B., M.A., Ph.D. Tor., B.A., F.R.S.C. Actg. Hd. of Dept.
Coulthard, T. L., B.E. Sask., M.Sc. Calif. Asst. Prof.

Special Lecturers, 1952–53
Currey, D., B.A.Sc.
Gram, R., B.S.A.
Watson, E., B.A.Sc.

*Agricultural Mechanics*

Eagles, B., M.A., Ph.D. Tor., B.A., F.R.S.C. Actg. Hd. of Dept.
Coulthard, T. L., B.E. Sask., M.Sc. Calif. Asst. Prof.

*Agronomy*

Moe, G. G., B.S.A., M.Sc. McG., Ph.D. Corn. Hd. of Dept., Prof.
Laird, D. G., B.S.A. Tor., M.S., Ph.D. Wis. (Soils) Prof.
Brink, V. C., Ph.D. Wis., M.S.A. Assoc. Prof.
Rowles, C. A., M.Sc. Sask., Ph.D. Minn. (Soils) Assoc. Prof.
Renney, A., M.S. Calif., B.S.A. Asst. Prof.
Stewart, J., B.S.A. Lectr.

*Animal Husbandry*

King, H. M., B.S.A. Tor., M.S. Oregon State Coll. Hd. of Dept., Prof.
Berry, J. C., Ph.D. Iowa State Coll., M.S.A. Prof.
Wood, A. J., Ph.D. Corn., M.S.A. Assoc. Prof.
Drew, R. E., D.V.M. Ont. Vet. Coll. Special Lectr., 1952–53.

*Architecture, School of*

Lasserre, F., B.Arch. Tor. Prof., Dir. of School.
Wisnicki, B. P., Dip.Eng. Lwow Assoc. Prof.
Binning, B. C. Assoc. Prof.
Porter, J. C. H., B.Arch. McG. Asst. Prof.
Oberlander, H. P., B.Arch. McG., M.C.P. Harv. (Planning and Design) Asst. Prof.
Marsh, L. C., B.Sc. (Econ.) Lond., M.A., Ph.D. McG. Sp. Lectr.
Davison, K. B., B.Arch. Manit. Sp. Lectr.
Peeps, J. C., B.Arch. Durh. Instr.
Thomas, L. A. J. Instr.
Gallagher, H. K., B.Arch. Wash. Instr.
1 Pt.-time Lectr.

*Bacteriology and Immunology*

Dolman, C. E., M.B., B.S., Ph.D., D.P.H., F.R.C.P. Can. and Lond., F.R.S.C. Hd. of Dept., Prof.
Duff, D. C. B., M.A., Ph.D. Tor. Prof.
Bismanis, J. E., M.D., Dip.Bact. Latvia Asst. Prof.
Stock, J. J., B.S A. Ont Agr. Coll., M.Sc., Ph.D. McG. Asst. Prof.
Chang, Helen, M.A. Instr.

Lecturers
Cockcroft, W. H., M.D., D.P.H. Tor.
Kerr, Miss Donna E., M.A.
Sturdy, J. H., M.A. Alta.
Shearer, A. R., B.A.
Moynihan, I. W., D.V.M. Ont. Vet. Coll., M.Sc. McG.

*Biology and Botany*

Hutchinson, A. H., M.A. McM., Ph.D. Chic., F.R.S.C. Hd. of Dept., 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., Dir. of Bot. Gdns.
Wort, D. J., M.Sc. Sask., Ph.D. Chic. Prof.
Buckland, D. C., M.F., Ph.D. Yale, B.A., B.S.F. (Forest Pathol.) Assoc. Prof.

Goranson, E. S., Ph.D. Tor., M.A. Assoc. Prof.
Pillsbury, R. W., M.A. Asst. Prof.
Krajina, V., D.Sc. Prague Asst. Prof.
Scagel, R. F., Ph.D. Calif., M.A. (Oceanog.) Asst. Prof.
Allen, Maude, B.S.A., B.A. Instr.
Cole, Kathleen, Ph.D. Smith, M.A. Instr.
Szczawinski, A., M.Ph. Lwow Lectr., 1952–53.

*Chemistry*

Hooley, J. G., Ph.D. M.I.T., M.A., F.C.I.C. Prof., Chairman of Dept.
Harris, J. A., Ph.D. Ill., M.A., F.C.I.C. Prof.
Schemilt, L. W., B.A.Sc., Ph.D. Tor., M.Sc. Manit. Assoc. Prof.

Assistant Professors

Kirsch, M., B.Sc., Ph.D. McG.
Bryce, W. A., M.A. Sask., Ph.D. McG., D.Phil. Oxon.
Daggett, H. M., Jr, B.Sc. Qu., Ph.D. Brown.
Scott, D. S., M.Sc. Alta., Ph.D. Ill.
Dunell, B. A., A.M., Ph.D. Prin., M.A.Sc.
Reid, C., B.Sc., Ph.D. Lond.
Dutton, G. G. S., M.A. Camb., M.Sc. Lond.
Hayward, L. D., B.A. Sask., Ph.D. McG.
Starke, K., Dr.Phil. Berl.

Lecturers

Tully, J. P., M.B.E., B.Sc. Manit., Ph.D. Wash., F.C.I.C. (Chem. Oceanog.) Hon. Lectr.
Wright, R. H., Ph.D. McG., B.A. Hon. Lectr.
Epstein, N., M.Sc. McG. Instr.

*Classics*

Logan, H. T., M.C., B.A. McG., M.A. Oxon. Sp. Lectr., Chairman of Dept.
Riddehough, G. B., A.M. Calif., Ph.D. Harv., M.A. Assoc. Prof.
Grant, W. L., A.M. Harv., Ph.D. Tor., B.A. Assoc. Prof.
Guthrie, P. C. F., B.A. Manit., M.A., Ph.D. Tor. Assoc. Prof.
deGroot, A. W., M.A., Ph.D. Groningen Sp. Lectr.
Carr, H., B.A., LL.D. Tor. Sp. Lectr.

*Commerce, School of*

MacPhee, E. D., M.M., B.Ed., M.A. Edin. Prof., Dir. of School.
Bell, D. K., B.Com., M.A. Assoc. Prof.
Wong, L. G. J., M.B.A. Calif., B.Com. Assoc. Prof.

Assistant Professors

Gourlay, C. C., B.Com., M.Com. Tor.
Burke, B. E., M.A. Wash., B.Com.
Fields, D. B., B.Com.
Wilkinson, H. C., B.Com.
Oberg, S. M., M.B.A. Wash., B.Com.
Mitchell, C. L., B.Com. Tor.
Thomas, R. D., B.Com. Tor.
Carrothers, A. W. R., LL.M. Harv., B.A., LL.B. (Commercial Law).

Honorary Lecturers

Field, F. (Accounting).
Hickernell, L. N. (Hospl. Admin.).
Abercrombie, W. T., M.A. (Secretarial Sci.).
Hubbard, F. G., B.A. N. Dakota, M.H.A. Minn. (Hospl. Admin).
Kirby, L. F. C. (Hospl. Admin.).
Dale, H. E., M.H.A. Minn., B.Com. (Hospl. Admin.).
MacDonald, E. F. (Hospl. Admin.).
Mahoney, R. A., B.A. Manit., M.B.A. Harv.
Loffmark, R. R., B.A. Tor., M.B.A. Penn.
Leslie, I. T., B.Com.

*Dairying*

Eagles, B., M.A., Ph.D. Tor., B.A., F.R.S.C.
Dean of Fac., Hd. of Dept., and Prof.
Campbell, J. J. R., Ph.D. Corn., B.S.A. Assoc. Prof.
Neilson, Nora, Ph.D. Calif., M.S.A. Asst. Prof.
Trussell, P., Ph.D. Wis., B.S.A. Sp. Lectr.

*Economics, Political Science and Sociology*

Professors

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 Grad. Studies.
Crumb, J. A., B.B.A. Wash , M.S., Ph.D. Calif.
Drummond, G. F., M.A. St. And., M.Sc. (Econ.) Lond.
Topping, C. W., B.A. Qu., S.T.D. Wesley Theol. Coll., A.M., Ph.D. Col. (Sociol.).
Hawthorn, H. B., M.Sc., B.A. N.Z., Ph.D. Yale (Anthropol.).

Associate Professors

Jamieson, S., M.A. McG., Ph.D. Calif., B.A.
Ronimois, H. E., M.Sc. (Econ.) Tartu, Ph.D. Lond.
Anderson, W. J., M.Sc. Sask., Ph.D. Chic., B.S.A. (Agric. Econ.).
Mars, J., M.A. Brist., Dr. Rer. Pol. Vienna, B.Litt. Oxon.
Visiting Prof.

Assistant Professors

Clark, R. M., A.M., Ph.D. Harv., B.A., B.Com.
Corbett, D., M.A. Tor. (Pol. Sci.).
Suttles, W., B.A., Ph.D. Wash. (Anthropol.).
Belshaw, C., M.A. N.Z., Ph.D. Lond.
Nelson, E. K., Jr., LL.B., M.A. Wyoming (Criminol.).

Lecturers

The President
(Pol. Sci. and Govt.) Hon. Lectr.
Christie, H., B.A.
Hon. Lectr. in Criminol.
Campbell, G., M.A. Tor., B.A. (Anthropol.).
Borden, C. E., M.A., Ph.D. Calif.
Marsh, G. H., A.B. Col., Dip. Phil. Oxon. (Anthropol.).
Snyder, E. E., B.A. Reed, M.A. Calif., B.Litt. Oxon.

*Education, School of*

McIntosh, J. R., B.A., M.Ed. Sask., Ph.D. Col.
Prof., Dir. of Sch. and Summer Sch.
Argue, K. F., B.A. Alta., M.A. Oxon., D.Ed. Col. Prof.
McLeish, J. A. B., M.A. McG., Ph.D. Corn. Asst. Prof.
Kirk, J. G., M.A. Wash., B.A.
Lectr. (Session 1952–53).
Carlisle, J. S., B.A., B.Pæd. Tor.
Visiting Lectr., 1952–53.
Lord, A. R., B.A., LL.D. Qu., LL.D.
Hon. Lectr., 1952–53.
17 P/t.-time Lectrs.

*Engineering, Civil*

Professors

Muir, J. F., B.Sc. Manit.
Prof., Hd. of Dept.
Finlay, A. H., M.C., M.S. in C.E. Ill., B.A.Sc.
Hrennikoff, A., Grad. Inst. Communication Eng. Moscow, Sc.D. M.I.T., M.A.Sc.
Pretious, E. S., M.Sc. Iowa, B.A.Sc.
Peebles, A., M.Sc. Iowa State Coll., B.A.Sc., B.A.
Lipson, S. L., M.S. Cal. Tech., B.A.Sc.

Associate Professors
de Jong, S. H., M.Sc. Manit.
Heslop, W. G., B.A.Sc. Tor.

Assistant Professors
Bell, H. R., B.A.Sc., Dipl. Survey, Lond.
Hooley, R. F., M.Sc. Stanford.

Demonstrator
Cox, L., B.A.Sc.

Part-time Lecturer
Kania, J. E. A., Ph.D. M.I.T., M.A.Sc.

*Engineering, Electrical*

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., Dean Fac. of Appl. Sci.
Morgan, S. C., B.Sc. Qu., M.Sc. Alta., M.S. Cal. Tech. Prof.
Noakes, F., B.Sc. Alta., M.Sc., Ph.D. Iowa State Coll. Prof., Chairman of Dept.
Coulthard, W. B., B.Sc. Lond. Assoc. Prof.
Kersey, L. R., B.A.Sc. Asst. Prof.
Moore, A. D., M.Sc. Qu., Ph.D. Stanford Asst. Prof.
Clement, B. D., B.A.Sc. Instr.
Paris, A. P., B.A.Sc. Demr.

*English*

Professors
Daniells, J. R., Ph.D. Tor., B.A. Hd. of Dept., Prof.
Mawdsley, M. Dorothy, B.A. McG., Ph.D. Chic., M.A. (Dean of Women).
Birney, A. E., M.A., Ph.D. Tor., B.A.
Morrison, E., A.M., Ph.D. Calif., B.A.
Robbins, W., Ph.D. Tor., M.A.
Andrew, G. C., B.A. Dal., M.A. Oxon. Prof., Asst. to Pres.
Lewis, H. C., M.A.

Associate Professors
Creighton, J. H., M.A. Tor.
Read, S. E., M.A. McG.
Watters, R. E., M.A. Tor., Ph.D. Wis.
Spaulding, J. G., A.B. Pomona, Ph.D. Calif.
Akrigg, G. P. V., Ph.D. Calif., M.A.

Assistant Professors
Humphrey, Ruth, B.A. Mt. All., M.A. Oxon.
Cragg, R. C., M.A., Ph.D. Tor.
Steinberg, M. W., M.A. Qu., Ph.D. Tor.
Baxter, Edna L., A.M. Wash., B.A.
Somerset, Dorothy, A.B. Radcliffe.
Larsen, T., M.A. Tor., B.A. Oxon., F.R.S.C. Sp. Lectr.
Smith, Mrs. Marion B., B.A. Tor., Ph.D. Penn. Instr.
deBruyn, J., M.A. Lond., B.A. Instr.
Mackenzie, Mrs. Mabel, M.A. Tor. Instr.
Lewis, Mrs. Stella, M.A. Lectr.
Baker, R., B.A. Lectr.
MacKenzie, Miss E., B.A. Sask. Lectr.
Savery, Mrs. Barnet, M.A. McG. Lectr.
Miller, C. W., M.A. Sask. Instr.
McNiven, Catherine, B.A. Dal. Lectr.
Wilson, D., M.A. Yale, B.A. Lectr.

*Forestry, Faculty of*

.....
Knapp, F. M., B.S.F. Syracuse, M.S.F. Wash. Prof., Dir. of Univ. Forest.
MacMillan, H. R. (Silviculture) Prof.
Allen, G. S., Ph.D. Calif., M.A.Sc. Prof.
Wellwood, R. W., M.F., Ph.D. Duke, B.A.Sc. Prof.
Griffith, B. G., M.F. Harv., Ph.D. Wash., M.A. Assoc. Prof.

Ker, J. W., M.F. Yale, B.A.Sc. Asst. Prof.
Smith, J. H. G., M.F. Yale, B.S.F. Asst. Prof.
Wilson, J. W., M.F. Syracuse, B.S.F. Asst. Prof
Taylor, T. M. C., Ph.D. Tor., B.A. Prof. of Bot., Dir. of Botanic Gardens.
Graham, K., M.Sc. McG., Ph.D. Tor., B.A. (For. Entomol.) Prof.
Buckland, D. C., M.F., Ph.D. Yale, B.A., B.S.F. (For. Pathol.) Assoc. Prof.
Fenson, K. G., B.Sc.F. Tor. (Forest Prod.) Hon. Lectr.
Jobin, A., B.L.S., B.A.Sc. Laval Lectr.
Schiedel, I. H., B.A.Sc. Res. Forester, Univ. Forest.
1 Pt.-time Lectr.
8 Reps. from other Facs.

*French*

Andison, J. G., B.A. Manit., A.M., Ph.D. Col. Hd. of Dept., Prof.
Dallas, Dorothy, D.Lett. Paris, M.A. Prof.
Hall, G. L., M.A. Camb. Asst. Prof.
Brearley, Katherine, M.A., D.Lett. Paris Lectr.
Le Gall, L., L. ès L., L. en Dr. Grenoble Asst. Prof.
Demarcy, H. (Prof. de français à l'étranger, Paris) Lectr.
Jeffels, R. R., B.A., B.Ed. Alta., B.A. Camb. Instr.
Pronger, L., D.Lett. Paris, M.A. Instr.
Gathercole, Patricia M., Ph.D. Calif., M.A. Instr.
Turgeon, J.-M., B.A., LL.L. Laval Lectr.

*Geology and Geography*

Professors

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., 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.).
Okulitch, V. J., Ph.D. McG., M.A.Sc., F.G.S.A., F.R.S.C. (Palæontol. and Stratig.).

Associate Professors

Robinson, J. L., B.A. W. Ont., M.A. Syracuse, Ph.D. Clark (Geog.).
White, W. H., Ph.D. Tor., M.A.Sc. (Geol.).
Mathews, W. H., Ph.D. Calif., M.A.Sc., F.G.S.A. (Geol.).

Assistant Professors

Thompson, R. M., Ph.D. Tor., M.A.Sc. (Geol.).
Chapman, J. D., M.A. Oxon. (Geog.).
Mackay, J. R., B.A. Clark, M.A. Boston, Ph.D. Montr. (Geog.).
McTaggart, K. C., M.Sc. Qu., Ph.D. Yale, B.A., B.A.Sc. (Geol.).

*German*

Hallamore, Joyce, Ph.D. Munich, M.A. Prof., 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-Jetter, Mrs. Marianne, D.Juris. Vienna, A.M. Stanford, 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. Lectr. (Session 1952–53).

Goerzen, J. W., M.A. Alta., Ph.D. Lectr. (Session 1952–53).
Rosenau, Miss Ruth, M.A. Calif. Lectr. (Session 1952–53).

*History*

Sage, W. N., B.A., Ph.D. Tor., M.A. Oxon., F.R.Hist.S., F.R.S.C. Hd. of Dept., Prof.
Soward, F. H., B.A. Tor., B.Litt. Oxon., F.R.S.C. Director of Internat. Studies and Prof.
Cooke, A. C., B.A. Manit., M.A. Oxon. Prof.
Tucker, G. N., M.A. W. Ont., Ph.D. Camb. (Canadian H.) Prof.
Ormsby, Margaret A., Ph.D. Bryn Mawr, M.A. Assoc. Prof.
Davies, G. O. B., M.A. Camb. Asst. Prof.
Ho, Ping-ti, B.A. Nat. Tsing Hua, Ph.D. Col. Asst. Prof.

*Home Economics, School of*

Black, Charlotte S., B.Sc. (H.Ec.) Manit., A.M. Col. Prof., Dir. of School.
Morley, Nina H., M.A. Tor. Assoc. Prof.

Assistant Professors

Holder, Mary, B.Sc. in H.Ec. Mt. All., M.S. Mich. State.
Leroux, Mrs. Elizabeth, B.H.Sc. Tor., M.S. Corn.
MacFarlane, Margaret, B.Sc. (H.Ec.) Alta., M.S. Col.
McEwen, Winnifred J., B.Sc. (H.Ec.) Alta., M.S. Mich. State.
Demchuk, Larissa I., B.Sc. (H.Ec.) Manit., M.Sc. Montr.

Instructors

Ross, Orene J., B.Sc. (H.Ec.) Alta.
Bracher, Winifred J., B.Sc. (H.Ec.) McG., A.M. Col.
Reeves, M. A., M.A. Tor.

Dietitian-in-Charge, Brock Hall

Blair, Ruth, B.H.E.

Dietitian-in-Charge, Fort Camp

Heathfield, Mrs. Verna, B.Sc. (H.Ec.) Manit.

Dietitian-in-Charge, Cafeteria

Pearson, Yvonne, B.Sc. (H.Ec.) Alta.

Dietitian - in - Charge, Açadia Camp

Bacon, Eileen, B.H.E.

*Horticulture*

Barss, A. F., A.B. Roch., B.S.Agr. Corn., M.S. Oreg. Agr. Coll., Ph.D. Chic. Hd. of Dept., Prof.
Harris, G. H., M.S. Oreg. State Coll., Ph.D. Calif., B.S.A. Prof.
Hornby, C. A., Ph.D. Corn., M.S.A. Assoc. Prof.
Neill, J. W., M.C., B.S.A. Ont. Agr. Coll. Asst. Prof. and Assoc. Dir. Botanical Grdns.
1 Pt.-time Instr.

*International Studies*

Soward, F. H., B.A. Tor., B.Litt. Oxon., F.R.S.C. Dir.
Davies, G. O. B., M.A. Camb. Asst. Prof.
Ho, Ping-ti, B.A. Nat. Tsing Hua, Ph.D. Col. Asst. Prof.

*Law*

Professors

Curtis, G. F., LL.B. Sask., B.A., B.C.L. Oxon., LL.D. Dal. Dean of Fac., Prof.
MacIntyre, M. M., B.A. Mt. All., LL.M., S.J.D. Harv.

Associate Professors

Kennedy, G. D., M.A., LL.B. Tor.
Bourne, C. B., B.A. Tor., LL.B. Camb.

Assistant Professor

Carrothers, A. W. R., LL.M. Harv. B.A., LL.B.

Lecturers

The President.
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., LL.D. St. F.X.
Ladner, L. J., Q.C., B.A., LL.B. Tor.
Dryer, V. L., B.A.
McFarlane, M. M., B.A.
McTaggart, D. E., Q.C., B.A. McG.
Remnant, S. J., Q.C.
Read, F., LL.B. Manit.
Sheppard, F. A., B.A. Tor., LL.B. Sask.
Wilson, The Hon. Mr. Justice J. O.
Watts, A., B.Com. Hon. Liaison Sec.
Edwards, C. W., B.A. Oxon. Visiting Lectr.

*Mathematics*

Professors

James, R. D., Ph.D. Chic., M.A., F.R.S.C. Hd. of Dept., Prof.
Gage, W. H., M.A. Prof., Dean of Admin. and Inter-Fac. Affairs.
Jennings, S. A., M.A., Ph.D. Tor.

Associate Professors

Murdoch, D. C., Ph.D. Tor., M.A.
Derry, D., B.A. Tor., Dr.Phil. Gött.
Goodspeed, F. M. C., B.Sc. Manit., Ph.D. Camb., M.A. Tor.
Leimanis, E., Mag. Math. Riga, Dr. Rer. Nat. Hamburg.

Assistant Professors

Barclay, May L., M.A.
Simons, W. H., Ph.D. Calif., M.A.
Moyls, B. N., Ph.D. Harv., M.A.
Nash, W., B.A. Puget Sound, M.A. Ph.D. Calif.
Hull, T. E., M.A., Ph.D. Tor.
Latta, G. E., Ph.D. Cal. Tech., B.A.

Lecturer

Parnall, J. E. A., M.A. Tor., B.A., B.Ed.

*Mechanical Engineering*

Richmond, W. O., M.S. Pitt., B.A.Sc. Prof., Hd. of Dept.
Vernon, F. W., B.Sc. (Eng.) Lond. Prof., Lectr. in Aeronautical Engin.
McIlroy, H. M., M.Sc. Qu. Prof.
Wolfe, W., M.Sc. Case Sch. of Ap. Sc., B.A.Sc., B.A. Assoc. Prof.
Parkinson, G. V., M.S., Ph.D. Cal. Tech., B.A.Sc. Asst. Prof.
Green, G. H., B.Sc. Sask., M.S. Ill. Instr.

Demonstrators

Steel, W. E. J., B.A.Sc.
Payne, H. R., B.A.Sc.

*Medicine*, v. *infra*

*Mining and Metallurgy*

Forward, F. A., B.A.Sc. Tor., F.I.M. Hd. of Dept., Prof.
Crouch, L. G. R., B.Sc. Melb., M.Sc. Utah (Min. Eng.) Prof.
Howard, H. M., B.A.Sc. Tor. (Mineral Dressing) Prof.
Armstrong, W. M., B.A.Sc. Tor. (Metall.) Assoc. Prof.
Samis, C. S., M.Sc. Manit., Ph.D. Lond. (Metall.) Assoc. Prof.
Halpern, J., B.Sc., Ph.D. McG. Asst. Prof.
Warner, J. P., B.Sc. Eng., A.R.S.M. Instr.
Evans, H. G. V., B.Sc. Alta. Res. Assoc.
Myers, H. P., B.Sc., Ph.D. Sheff. Res. Assoc.
Smith, J. G., M.A. Res. Asst.

*Music*

Adaskin, H. Prof.
Adams, Mrs. Jean C. Lectr.
Pentland, Barbara Instr.

*Nursing, School of*

Mallory, H. Evelyn, B.Sc., M.A. Col. Prof., Dir. of School.

Assistant Professors

Morrison, Ruth, B.S. Minn., A.M. Col.

Capelle, Pauline, A.M. Chic., B.A., B.A.Sc.

Horwood, Lorna, B.A. Qu.

Instructors

McCann, Elizabeth K., B.A., B.A.Sc.

Street, Margaret, B.A. Manit. (Session 1952–53.)

Duncan, Margaret W., M.S. Chic., B.A., B.A.Sc.

6 Pt.-time Lectrs.

*Pharmacy, Faculty of*

Matthews, A. W., M.Sc. Alta., Ph.D. Florida Prof., Dean of Fac.

Assistant Professors

Morrison, F. A., M.B.E., B.S.P. Sask., M.Sc. Maryland (Pharm.) (on leave 1953–54).

Halliday, J. E., B.S.P. Sask., M.S. Purdue (Mat. Med. and Pharmacol.).

Groves, G. A., B.Sc. (Pharm.), M.Sc. Alta. (Pharm.).

Lecturer

Chivers-Wilson, V. (Pharm. Chem) (Session 1952–53.)

*Philosophy and Psychology*

Professors

Chant, S. N. F., O.B.E., M.A. Tor. Hd. of Dept., Dean of Fac. of Arts and Sci. and Prof.

Savery, B., A.B. Wash., A.M., Ph.D. Harv. (Philos.) Prof. and Chairman of Dept.

McIntosh, J. R., B.A., M.Ed. Sask., Ph.D. Col. (Educn. and Psychol.).

Associate Professors

Maslow, A. P., A.M. Mich., Ph.D. Calif.

Belyea, E. S. W., M.A. Tor.

MacKay, D. C. G., M.A. Qu., Ph.D. Stanford.

Signori, E., B.A. Alta., M.A., Ph.D. Tor.

Assistant Professors

Remnant, P., M.A.

Stroll, A., M.A., Ph.D. Calif.

Lecturers

Black, W. G., M.A., Ph.D. Chic., B.A.

Kenny, D., Ph.D. Wash., M.A.

Sampson, D. G., M.A. Tor.

Sage, Margaret, M.A. West. Reserve, B.A.

Potashin, Miss Reva, M.A., Ph.D. Tor. Instr.

Carr, H., C.S.B., M.A., LL.D. Sp. Lectr.

*Physical Education, School of*

Osborne, R. F., B.A., B.Ed. Assoc. Prof., Dir. of School.

Penney, Mrs. Marian, B.A. Tor., A.M. Texas State Coll. for Women Assoc. Prof., Dir. of Phys. Ed. (women).

Assistant Professors

Whittle, H. D., B.P.H.E. Tor., M.S. Oregon.

Leeming, Marjorie, B.A. Asst. Prof., Asst. to Dean of Women.

Pomfret, J., B.A. (Health and P.E.) Wash.

Laithwaite, A. B., Dip. in Phys. Ed. Carnegie Phys. Tr. Coll.

Instructors

Andersen, H., B.A. (Health and P.E.) Wash.

Penn, R., B.P.E.

Grant, A. M., B.P.H.E. Tor. Lectr., 1952–53.
Mitchell, R., B.P.E.
Brown, Mrs. May, B.Sc. (Phys. Ed.) McG. Lectr.
Beck, Marjorie, B.F. Russell Sage Instr.
Bancroft, Diane, A.M. Smith, B.P.E. Instr.
Lowes, B. G., B.P.H.E. Tor., A.M. N.Y. Lectr.

*Physics*

Professors

Shrum, G. M., O.B.E., M M., M.A., Ph.D. Tor., F.R.S.C. Prof., Hd. of Dept.
Crooker, A. M., B.A. McM., M.A., Ph.D. Tor.
Mann, K. C., O.B.E., B.A. Sask., M.A., Ph.D. Tor.
Volkoff, G. M., M.B.E., Ph.D. Calif., M.A., D.Sc., F.R.S.C.

Associate Professors

Warren, J. B., B.Sc., Ph.D. Lond., D.I.C., F.I.P.
Pickard, G. L., M.B.E., M.A., D.Phil. Oxon.
Opechowski, W., Mag. Fil. Warsaw.
Clark, A. R., M.Sc. Sask., Ph.D. Tor.
Cwilong, B. M., Mag. Fil. Warsaw, D.Phil. Oxon.

Assistant Professors

Blüh, O., Dr. Rer. Nat., D. Phys. Prague, F.I.P.
Koppe, H., Dipl. Ing. Danzig, Dr. Rer. Nat. Berl.
Kaempffer, F. A., Dipl. Ing., Dr. Rer. Nat. Gött.
Barnes, C. A., M.A. McM., M.A. Tor., Ph.D. Camb.
Bowers, F. K., B.A. Camb.
Theimer, O., Dipl. Chem., Dr. Rer. Nat. Munich.
Scovil, H. E. D., M.A., D.Phil. Oxon.

Part-time Lecturer

Clark, R. J., B.A. McG., Ph.D. Camb.

Research Fellows

Eades, R. G., Ph.D. St. And.
Lee, P. A., B.Sc. Lond.
James, D. B., B.A. Wales, Ph.D. Camb.
Gianola, U. F., B.Sc., Ph.D. Birm.
Tyas, P. J., M.Sc. Manc.

Lecturers

Jeffery, C. B., B A.Sc.
McConachie, C. E. B., M.Sc. M.I.T.
Park, J. A., B.Sc. Glas.
2 Demrs.

*Poultry Husbandry*

Biely, J., M.S. Kansas State Coll., M.S.A. Prof., Hd. of Dept.
March, Mrs. Beryl E., B.A. Instr.
Hicks, A. F., Jr., M.S. Calif., B.S. Kentucky Lectr.
Lloyd, E. A., B.S.A. Sask., M.S.A. Wash. State Coll. Sp. Lectr.

*Slavonic Studies*

St. Clair-Sobell, J. O., M.A. Melb., Ph.D. Graz Prof., Hd. of Dept.
Ronimois, H. E., M.Sc. (Econ.) Tartu, Ph.D. Lond. Assoc. Prof.

Assistant Professors

Kuipers, A. H., B.A. Utrecht, M.A. Amst., Ph.D. Col.
Wainman, A. W., M.A. Oxon.
Bryner, C., A.B. Stan., Ph.D. Prague.

Special Lecturers

Rose, W. J., B.A. Manit., M.A. Oxon., Ph.D. Cracow, F.R.Hist.S.
Halpert-Scanderberg, T., Staatl. Dipl. Leipzig.
Isaak, P. D., Cand. Phil. Leningrad.
deGroot, A. W., M.A., Ph.D. Groningen.

Lecturer
Carlsen, Irina M., B.A.

Part-time Lecturer
Barbashoff, V. I. (Russian).

Assistant
.....

*Social Work, School of*
Smith, Marjorie J., A.B. Minn., A.M. Chic. Prof., Dir. of Sch.

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. Col.
Johnson, Margaret C., M.S.W. Wash., B.A. Asst. Prof.

Lecturer
Exner, Mrs. Helen, B.A. Vassar, M.S.S. Smith.

Instructors
McCrae, Mrs. Helen, B.A., B.S.W.
Robinson, Mrs. Phyllis, B.A. Ohio Wesleyan, M.Sc. W. Reserve.
Abrahamson, A. C., B.A., B.S.W. Minn.

Field-Work Instructors
Collins, Zella, Dip. Soc. Ser. Tor.
Cunliffe, Muriel, M.S.S. Smith, B.A., B.S.W.
6 Pt.-time Lectrs. and 2 Pt.-time Field-Work Instrs.

*Spanish*
Andison, J. G., B.A. Manit., A.M., Ph.D. Col. Hd. of Dept.
Brooke, C. V., B.A. Qu., A.M., Ph.D. Harv. Assoc. Prof.
McSpadden, G. E., M.A. New Mexico, Ph.D. Stanford Assoc. Prof.
McDonald, J. A., M.A. Asst. Prof.
Edwards, P. M. H., A.M. Col., B.A., F.T.C.L. Lectr. 1952–53.
Davison, Mrs. Emilia Pt.-time Lectr.

*Zoology*

Professors
Clemens, W. A., M.A. Tor., Ph.D. Corn., F.R.S.C. Hd. of Dept., Prof.
Spencer, G. J., B.S.A. Tor., M.S. Ill.
Cowan, I. McT., Ph.D. Calif., B.A., F.R.S.C.
Hoar, W. S., B.A. New Br., M.A. W. Ont., Ph.D. Boston (Zool. and Fisheries).
Graham, K., M.Sc. McG., Ph.D. Tor., B.A. (Forest Entomol.).

Associate Professors
Adams, J. R., M.Sc., Ph.D. McG.
Cameron, W. M., M.A., Ph.D. Calif. (Oceanog.).

Assistant Professors
Larkin, P. A., M.A. Sask., D.Phil. Oxon.
Ford, P., B.Sc., Ph.D. Lond., F.L.S.

Instructor
Hatter, J., B.A., Ph.D. Wash. State.

Lecturers
Mahon, Elizabeth F., B.Sc. Dal., M.A. Calif.

Honorary Lecturers
Carter, M. N., M.A.Sc., Ph.D. McG.
Neilson, C., B.S. Utah, M.S. Oregon.
Bangham, R. V., B.S. Haverford, Ph.D. Ohio Hon. Res. Assoc.
Udvardy, M. D. F., Ph.D. Debrecen Session 1952–53.

**Medicine**

Weaver, M. M., A.B. Wheaton, M.S., Ph.D., M.D. Chic., F.A.C.P. Prof., Dean of Fac.
Darrach, M., Ph.D. Tor., M.A. Prof. and Asst. to the Dean.

*Anatomy*

Friedman, S. M., B.A., M.D., C.M., M.Sc., Ph.D. McG.
Prof., Hd. of Dept.

Harvey, J. E., M.A. Alta., M.D. Tor., Ph.D. Chic.
Prof. (Histol.).

Constantinides, P., M.D. Vienna, Ph.D. Montr.
Asst. Prof.

Friedman, Mrs. Constance L., M.Sc., Ph.D. McG.
Res. Assoc. Prof.

Norton, G. I., M.D. Alta. (Radiol. Anat.)
Clin. Asst. Prof

Johnstone, F. R. C., M.B., Ch.B. Edin., F.R.C.S.Ed.
Lectr.

3 Demrs., 3 Teaching Fellows.

*Biochemistry*

Darrach, M., Ph.D. Tor., M.A.
Prof., Hd. of Dept.

Associate Professors

Zbarsky, S. H., B.A. Sask., M.A., Ph.D. Tor.

Polglase, W. J., Ph.D. Ohio State, M.A.

Honorary Lecturers

Biely, J., M.S. Kansas St., M.S.A.

Campbell, J. J. R., Ph.D. Corn., B.S.A.

Eagles, Blythe, M.A., Ph.D. Tor., B.A., F.R.C.S.

Goranson, E. S., Ph.D. Tor., M.A.

3 Instrs.

*Medicine*

Kerr, R. B., O.B.E., M.D., M.A. Tor., F.R.C.P. Can., F.A.C.P.
Prof., Hd. of Dept.

Whitelaw, D. M., M.D., C.M. McG., B.A., F.R.C.P. Can.
Assoc. Prof.

Clinical Professor

Strong, G. F., B.S., M.D. Minn., F.A.C.P., F.R.C.P. Can.

Clinical Associate Professors

Baird, M. M., B.A. New Br., B.A., B.M., B.Ch. Oxon., F.R.C.P. Can.

Boyd, R. W., B.Sc. Alta., M.D., C.M. McG. (Radiol.).

Gould, C. E. G., M.D. S. Cal., B.A.

Hatfield, W. H., M.D. Tor.

Williams, D. H., M.D., B.Sc. Manit., M.Sc. Minn. (Dermatol.).

Part-time Assistant Professors

Eden, J., M.B., B.S. Durh. (Appl. Biochem.).

Perry, W. H., M.D. Tor., F.R.C.P. Can. (Clin. Microscopy).

McNair, A. Y., M.C., M.B. Tor.
Clin. Asst. Prof.

Clinical Instructors

Auckland, N. L. D., B.A. Sask., M.D. Manit. (Neurol.).

Bagnall, A. M., M.D. Tor., B.A., F.R.C.P. Can.

Boxall, E. A., M.D., C.M. Qu., F.R.C.P. Can.

Caldwell, J. W. G., M.D. Alta., F.A.C.P.

Campbell, C. G., M.Sc., M.D., C.M. McG., F.R.C.P. Can.

Christopherson, E. F., B.Sc. Sask., M.D. Manit., F.A.C.P., F.R.C.P. Can.

Covernton, C. C., M.D., C.M. McG., B.A.

Dekaban, A., M.D. Warsaw, M.Sc. McG. (Neurol.).

DesBrisay, H. A., M.D., C.M. McG. F.A.C.P.

Fahrni, B. M., M.D. Manit., F.R.C.P. Can.

Hertzman, V. O., M.D. Tor., F.R.C.P. Can.

Hurlburt, F. W. B., B.Sc. Sask., M.D. Tor., F.R.C.P. Can.

Johnston, A. M., M.D. W. Ont., F.R.C.P. Can.

Mathisen, A. K., M.D., C.M. McG., B.A., F.R.C.P. Can.

Moscovich, B. B., M.D. Alta.

Moscovich, J. C., M.D., C.M. McG., F.A.C.P.

Munroe, D. S., B.Sc. Sask., M.D. Manit., F.R.C.P. Can.

McIntosh, H. W., M.B. Camb., M.D., C.M., M.Sc. McG., F.R.C.P. Can.
McLean, T. K., M.D. Alta., F.R.C.P. Can.
Paige, B., M.B., B.S. Syd.
Palmer, R. A., M.D., C.M. McG., B.A., F.R.C.P. Can., F.A.C.P.
Parnell, J. L., M.B., Ch.B. Edin., B.A., F.R.C.P. Can.
Reid, J. A. G., M.D. Tor., F.R.C.P. Can.
Scott, H., B.Sc. Alta., M.D., C.M. McG.
Shallard, B. T., M.B., Ch.M. Syd., M.D. Melb.
Simpson, W. W., M.A., Ph.D., M.D. Tor., B.A., F.R.C.P. Can., F.A.C.P.
Slade, H. C., M.D., C.M. Dal., F.R.C.P. Can.
Stansfield, H., M.Sc., M.D. Alta.
Traynor, J. A., B.A. Sask., M.D. Tor., F.R.C.P. Can.
Walker, J. E., M.B. Tor.
Walsh, G. C., M.D., C.M., M.Sc. McG., F.R.C.P. Can.
Walters, M. B., M.D. Manit., F.R.C.P. Can.
Zeldowicz, L., M.D. Warsaw (Neurol.).

Instructor

Perry, W. H., M.D. Tor.

2 Demrs., 1 Fellow.

*Neurological Research*

Gibson, W. C., M.Sc., M.D., C.M. McG., D.Phil. Oxon., B.A.
Assoc. Prof., Chairman of Dept.

Associate Professor

Kennard, Margaret A., A.B. Bryn Mawr, M.D. Corn.

2 Lectrs.

*Obstetrics and Gynæcology*

Agnew, A. M., M.D. Tor., F.R.C.S. Can.
Clin. Prof., Hd. of Dept.

Harrison, J. E., M.D., C.M. McG.
Clin. Assoc. Prof.

Trites, A. E., M.D., C.M. McG.
Clin. Asst. Prof.

Johnston, F., M.D. Alta., F.R.C.S., F.A.C.S.

Clinical Instructors

Bie, W. F., B.Sc. Sask., M.D., C.M. McG.
Caple, H. E., M.D. Tor., D.P.H. Tor., F.R.C.O.G.
Collison, D. B., M.D., C.M. McG.
Henderson, H. A., M.D. Tor.
McDonagh, J. E., M.D. Manit.

*Pædiatrics*

McCreary, J. F., M.D. Tor.
Prof., Hd. of Dept.

Paterson, D. H., B.A. Manit., Ch.B., M.D. Edin., F.R.C.P. Lond. and Can. Clin. Prof.

Clinical Associate Professors

Davies, J. R., M.D., C.M. Qu.
Wilson, R. A., M.D., C.M. McG., B.A., F.R.C.P. Can.

Clinical Assistant Professors

Grant, J. H. B., M.D., C.M. McG.
Hardyment, A. F., M.D. Manit.
James, E. S., M.D. Tor.
Lamont, G. A., M.B. Tor., M.D. Manit.
Matthews, G. O., M.D., C.M. McG., M.D. Manit.
Spohn, Peter H., M.D. Tor., F.R.C.P. Can.
Young, M. D., M.A., M.B., B.Chir. Camb., F.R.C.P. Can.

Honorary Lecturers

Kinsman, R. P., M.D., C.M. McG.
Spohn, Howard, M.B. Tor., F.R.C.P. Can.

Clinical Instructors

Baker, H., M.D. Tor.
Campbell, K. A., M.D., C.M. McG.
Gayman, G. R., B.A., M.D. Tor.
Piters, J., M.D. Tor., B.A.

Robinson, G. C. F., M.D., C.M. McG.
Stockton, W. H. S., M.D. Tor.
Treffry, C. J., M.D. Tor.
Whitelaw, J. W, M.D., C.M. McG., B.A.
2 Demrs., 2 Fellows.

*Pathology*

Boyd, W., Ch.B. Edin., M.D. Edin. and Oslo, LL.D. Sask., D.Sc. Manit., F.R.C.P., F.R.C.S. Can.
Prof., Hd. of Dept.

Part-time Assistant Professors

Fidler, H. K., M.D., B.Sc. Manit.
Taylor, H. E., M.D., C.M. Dal.

Instructors

Clarke, R. S., M.D. Tor., B.A.
Maxwell, I. D., B.Sc. Brist., M.B., Ch.B. Edin.
1 Museum Curator.

*Pharmacology*

Foulks, J. G., B.A. Rice, Ph.D. Johns H., M.D. Col.
Prof., Hd. of Dept.
Daniel, E. E., M.A. Johns H., Ph.D. Utah — Asst. Prof.
1 Teaching Fellow.

*Physiology*

Copp, D. H., B.A., M.D. Tor, Ph.D. Calif.
Prof., Hd. of Dept.
Black, E. C., M.B.E., B.A. McM., Ph.D. Penn., M.A.
Assoc. Prof.
1 Teaching Fellow.

*Psychiatry*

Ross, W. D., M.D., B.Sc. Manit., F.R.C.P. Can.
Prof., Hd. of Dept.
Davidson, G. A., M.D. Manit., F.R.C.P. Can., F.A.C.P.
Clin. Assoc. Prof.
Gundry, C. H., M.D. Tor. — Lectr.
Hutton, G. H., M.D., D.P.H. Tor.
Lectr.

*Public Health*

Mather, J. M., M.D., D.P.H. Tor.
Prof., Hd. of Dept.

Asst. Profs. (Pt.-time)

Elliot, G. R. F., M.D., C.M. Qu., D.P.H. Tor.
Murray, S. S., M.D, D.P.H. Tor.
Nelson, A. J., M.B., Ch.B. Glas.

Honorary Lecturer

Amyot, G. F., M.B., D.P.H. Tor.

Lecturers

Adams, J. R., M.Sc., Ph.D. McG.
Spencer, G. F., B.S.A. Tor., M.S. Ill.
15 Pt.-time Lectrs.

*Surgery*

Robertson, H. R., B.Sc., M.D. McG., F.R.C.S. Ed. and Can., F.A.C.S. Prof., Hd. of Dept.
McKenzie, A. D., M.D. Alta., F.R.C.S. Can. — Asst. Prof.
Sargeant, T. R., M.D. Tor., B.A., F.R.C.S. Eng. and Can.
Clin. Prof.
Patterson, F. P., M.D., C.M. McG., F.R.C.S. Can., F.A.C.S.
Clin. Prof.

Clinical Associate Professors

Balfour, J. A., M.D. Alta., F.R.C.S. Can.
Leeson, L. H., M.D., C.M. McG., F.A.C.S.
Neilson, J. R., M.B. Tor., F.A.C.S.
Turnbull, F. A., M.D. Tor., B.A.

Clinical Assistant Professors

Harrison, W. E., M.D. Manit., F.R.C.S. Can., F.A.C.S.
Henry, A. T., M.D. Tor., F.R.C.S. Ed.
Huggard, L. H. A. R., M.D. Tor., F.A.C.S.
Langston, F. R. G., M.D. Alta., F.A.C.S.
Leigh, M. D., M.D., C.M. McG., B.A.
McLean, J. A., M.D. Tor.

Clinical Instructors

Alexander, E. H., M.D. Manit.
Alexander, J. D. F., M.D., C.M. McG., F.R.C.S. Can.
Allen, C. S., M.D., Ch.M. Manit., M.S. Minn., F.R.C.S. Can.
Arbuckle, J. W., Jr., M.D., C.M. McG., F.R.S.C. Can.
Attridge, F. R., M.D. Manit.
Austin, W. E., M.D. Manit., F.R.C.S. Ed., F.A.C.S., F.R.C.S. Can.
Badger, G. A., M.D. Alta.
Battle, C. E., M.D., C.M. McG.
Blair, N. J., B.Sc., M.D. Manit.
Boucher, H. H., M.D , C.M. McG , M.Sc. Iowa.
Chambers, H. L., B.A. Sask., M.D. Tor.
Cluff, J. W., B.Sc. Sask., M.D. Manit., F.R.C.S. Can.
Cowan, R. J., M.D. Tor., F.R.C.S. Can.
Davidson, J. R., M.D., C.M. McG., B.A.
Davies, C. E., M.D. Alta.
Elliot, J. A., M.D. Tor., F.R.C.S. Ed., F.A.C.S., F.R.C.S. Can.
Ellison, L., M.D. Manit.
Evans, A. M., M.D., C.M. McG., D.M.R.E. Camb.
Fahrni, W. H., M.D. Manit., F.R.C.S. Ed., F.R.C.S. Can.
Fleming, K. O., M.D., C.M. McG., B.A.
Francis, G. H., B.A., M.D. W. Ont.
Fratkin, L. B., B.Sc., M.D. Alta., F.R.C.S. Can.
Ganshorn, J. A., M.D. Manit., M.S. Minn.
Gillespie, H. S., M.D. Tor., F.R.C.S. Can.
Gourlay, R. H., M.D., C.M. McG., F.R.C.S. Can.
Grauer, F. W., M.D., C.M. McG., B.S.A., F.R.C.S. Ed., F.A.C.S., F.I.C.S., F.R.C.S. Can.
Hardie, M. F. B., M.B. Tor.
Irving, J. A., M.D. Qu.
Johnston, G. C., B.A., M.D. Alta., F.R.C.S. Can.
Large, G. C., M.D. Tor.
Lehmann, P. O., M.D. Manit.
Manson, A. B., M.D., C.M. McG.
Minnes, J. F., M.D. McG.
Moffatt, R. G., M.D. Manit., D.M.R.E. Camb.
Morton, W. A., M.B., Ch.B., F.R.C.S. Ed.
Murray, D. F., B.A., M.D., C.M. McG.
McCaffrey, J. A., M.D. Tor.
McFetridge, S. A., M.D. Manit., F.R.C.S. Ed.
McKechnie, R. E., M.D., C.M. McG.
Nash, R. D., M.D. Tor., D.M.R.T. Lond.
Paine, R. J., M.D., C.M. McG., B.A.
Preston, F. C., M.D., B.Sc. Tor., F.R.C.S Can.
Raynor, E. F., M.D., C.M. Qu.
Robertson, R., M.D. Tor., F.R.C.S. Can., F.A.C.S.
Saxton, G. D., M.D. Manit., F.R.C.S. Ed.
Simpson, D. G., M.B., Ch.B. N.Z., F.R.C.S. Eng., F.R.C.S. Ed., D.O.M.S. Lond.
Starr, D. E., M.D. Tor., F.A.C.S.
Stewart, A. J., M.D. McG., B.A.
Sutherland, W. H., M.D., C.M. McG., F.R.C.S. Can.
Tanton, B. W., M.D. McG.
Taylor, W. R., B.Sc. New Br., M.D., C.M. McG.
Thompson, W. J., B.Sc. Sask., M.D. Manit., F.R.C.S. Can.
Thomson, F. B., B.A., M.D. Tor., F.R.C.S. Can.
Williams, L. R., M.D. McG., F.R.C.S. Ed.
Wilson, R., M.D., C.M. McG., F.R.C.S. Can., F.R.C.S. Eng.
Wilson, W. M. G., B.A. McM., M.D. Tor.
Wood, L. G., M.D. Alta., F.R.C.S. Can.

**University Extension**

Shrum, G. M., O.B.E., M.M., M.A., Ph.D. Tor., F.R.C.S. Dir.
Haar, J., B.A. Asst. Dir.
Somerset, Dorothy, A.B. Radcliffe (Dramatics) Asst. Prof.
Barton, N., M.A. (Visual Educn.) Supervisor.
Smith, Marjorie V., B.A. Sask., M.S.W. Supervisor Study Groups.
Moir, R. J. S. Asst. to Pres. and to Dir. of U.E.
Cross, Eileen, B.Sc. in H.Ec. Manit. (Home Econ.) Supervisor.
Robinson, C. (Arts and Handicrafts) Supervisor.

Instructors

Des Champs, A., B.S.A. Manit. (Agric.).
Keatley, P. W., B.A.

**University Health Service**

Young, A. K., M.B., Ch.B. Glas. Dir., Univ. Health Service.
Hebb, F. J., M.D. Dal. Physician.
Gundry, C. H., M.D. Tor. Consultant Psychiatrist.
Spiro, H. M., M.D., B.Sc. Dal. Consultant Radiologist.

Public Health Nurses

Uphall, Muriel, B.A.Sc. Nursing Supervisor.
Ross, Ruth, B.A.Sc.
Ladner, Dorothy, B.A.Sc.
Read, Joyce, B.A.Sc.
Barrett, Betty (X-ray and Lab.).

*Counselling, Placement, Staff Personnel, Veterans' Services*

McLean, Major J. F., D.S.O., B.A. Dir. of Student and Personnel Services.
Shirran, A. F., M.A. Counsellor.
Maynard, G. E., B.A. Car., M.P.S. Colorado 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, D.Lett. Paris, M.A.; Jr. Don, Isabel MacInnes Hall: Margaret Shuley, B.A.; Jr. Don, Anne Wesbrook Hall: Nora Neilson, Ph.D. Calif., M.S.A. Housing Administrator: A. R. Baird. Purchasing Agent: H. A. LeMarquand. Accountant: W. White. Supt. of Bldgs. and Grounds: J. D. Lee. Univ. Book Store and Post Office: J. A. Hunter (Manager and Postmaster). Dir. Food Services: Mrs. Elizabeth D. Leroux, B.H.Sc. Tor., M.S. Corn.

## AFFILIATED COLLEGES

Victoria College, Victoria, B.C. (*Telephone*: Beacon 4931.) Affiliated, 1920, for 1st and 2nd yrs. in Arts. W. H. Hickman, D.Lett. Paris, M.A., Principal, Prof. of French. 6 Assoc. Profs., 10 Asst. Profs., 2 Instrs.

Union College of British Columbia (United Church of Canada), Vancouver, B.C. (*Telephone*: Alma 0522.) Affiliated, 1922. Principal—Rev. W. S. Taylor, M.A. Emmanuel, B.D., Ph.D. Tor.

Anglican Theological College of British Columbia, Vancouver, B.C. (*Telephone*: Alma 0440.) Affiliated, 1922. Principal—Rev. W. A. Ferguson, M.A. Oxon., D.D. Emmanuel.

## GENERAL INFORMATION

The University of British Columbia was incorporated by an Act of 1908. The Univ. site consists of 548 acres on the headland of Point Grey, 300 feet above the sea. Here a group of bldgs. constructed at a cost of nearly $2,000,000 was opened in 1925.

The Bd. of Governors consists of the Chancellor, elected by Convocation, President, and 9 persons—3 elected by the Senate and 6 apptd. by the Lieut.-Govr. in Council. The Senate consists of the Chancellor, Pres. (as Chairman), Deans, and 2 Profs. of each Fac., 3 nominees of the Lieut.-Govr. in Council, Principals of normal schools, one member elected by high school Principals and Assts., one by each affiliated Coll. in the Province, 15 by Convocation, one by the B.C. Teachers' Federation.

The Univ. is an integral part of the public educational system of the Province, and its function is to complete the work begun in the public and high schools. It is the policy of the Univ. to promote educn. in general and, in particular, to serve its constituency through 3 channels—teaching, res. and extension work. It furnishes instrucn. in the various branches of a liberal educn., and in those technical depts. which are most directly related to the life and industries of the Province. The people of the Province are informed of the results of sp. work by the staff of the Univ. through the Dept. of University Extension.

The LIBRARY has 275,000 vols. and about 25,000 pamphlets, and regularly receives 900 periodicals. It is one of the 3 Canadian depositories of the Library of Congress Catalogue, and possesses a Carnegie Corporation Music Set. LABORATORIES available for all courses. A Forest Products Lab. was established in 1918 by the Forestry branch of the Dept. of the Interior as a permanent branch of the F.P. Labs. of Canada. HERBARIUM, 16,000 sheets native flora, 200 water-colours of B.C. fungi. BOTANICAL GARDENS, Arboretum and Economic Section, 5 acres.

DEANS. *See* p. 689.

UNIVERSITY RESEARCH FOREST, an area comprising a solid block of land about 7 miles long and 2½ miles wide N. of the town of Haney, was granted to the Univ. by the Prov. Govt. in March 1949. The CAMPUS FOREST consists of a narrow belt S. and W. of the Univ. and acts as a demonstration and field study area for For., Biol., Bot. and Zool.

MUSEUMS. (1) Anthropological Museum—Burnett Collection of South Seas and other ethnological specimens, housed on the first floor of the Library; the Raley collection of Indian artifacts donated by Dr. H. R. MacMillan; the Buttiner collection of Indian baskets; the Mitchell Pierce collection of Eskimo clothing and utensils; and numerous other valuable collections. (2) The Geological and Geographical Museum in the Forestry and Geology Bldg. (3) The Zoological Museum in Biological Sciences Bldg. (4) The Botanical Collections and Herbarium.

ART CENTRE. Opened 1948 as a memorial to the late Dean Mary L. Bollert. It is included among the activities of the Fine Arts Cttee., and is under the direct supervision of the Visual Arts Cttee. The Art Centre includes a Workshop and an Art Gallery. The Workshop gives courses in ceramics, painting, sculpture, weaving and other appl. arts, which are open to students, staff and extra-mural registrants but do not carry academic credit. The Art Gallery maintains a continuous display of loan exhibitions. Curator: R. Boux.

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. *See also* Appendix I.

DEGREE COURSES. B.A., B.H.E., B.P.E., 4 yrs. (3 from Sr. Matricn.). B.Com., B.A.Sc. in Appl. Sci., B.S.F. (Forestry), 5 yrs. (4 from 1st yr. in Arts or Sr. Matricn.). B.Arch. (5 yrs. from Sr. Matricn. or 1st-yr. Arts). B.S.A., 4 yrs. from Jr. Matricn. LL.B., 3 yrs. (from 2nd yr. in Arts and Sci.). B.S.P. 4 yrs. from Sr. Matric. or 1st-yr. Arts. M.A., M.A.Sc., M.S.A., M.F. and B.S.W. 1 yr. postgrad. B.S.N. (Bachelor of Sci. in Nursing), M.D., M.S.W., B.Ed., 1-2 yrs.' postgrad. work. M.Com., M.Sc., 1-yr. postgrad. work. Ph.D. (min., 3 yrs.' postgrad. work).

DIPLOMA AND CERTIFICATE COURSES. Occupational Agric. (1 yr.); Pub. Health Nursing (1 yr.); T. Clin. Supervision in Schools of Nursing; Teaching Training; Hospl. Admin.; Criminol.

COURSE IN COMMUNITY AND REGIONAL PLANNING within the Faculty of Graduate Studies and leading to M.A. or M.Sc. This course allows the training of planning personnel and provides facilities and background for res. into the planning problems of Western Canada.

SUMMER SESSION. In July and Aug., courses for credit towards a degree are offered; max. of 6 units only permitted. Non-members of the Univ. (non-matriculants) may be admitted to the Summer Session only as auditors. They are not permitted to write the course examns., nor receive Univ. credit for the courses audited.

SUMMER EXTENSION COURSES. Non-credit courses in Dramatics, Weaving, Painting, Pottery, Music, Writing, Photography.

UNIVERSITY EXTENSION. Under a grant from the British Dominions and Colonies Fund of the Carnegie Corporation of New York, the Univ. organized early in 1936 a Dept. of Univ. Extension. This dept. carries on a comprehensive and varied programme of adult educn. It is responsible for the admin. of the rural section of the Dominion-Provincial Trng. Programme, sponsored jtly. by the Dominion Dept. of Labour and the Prov. Dept. of Agric. The present activities of the Dept. include (*a*) Extension Lectures at various centres throughout the Prov.; (*b*) Evening Classes; (*c*) Discussion Groups; (*d*) Dramatics; (*e*) Agric.; (*f*) Short Courses carrying no acad. credit, during both Winter and Summer Sessions; (*g*) Visual Instrucn. by means of (i) Lantern and Film Slide Service, (ii) Moving Picture Service; (*h*) Radio broadcasts; (*i*) Library assistance to those who wish to do systematic reading; (*j*) Art and Music Courses (made possible by Carnegie Art Teaching Set and Carnegie Music Set); (*k*) Public Relations—items of interest to the public are prepared and released to the press; (*l*) Educnl. programme for British Columbia Fishermen; (*m*) Correspondence Courses and Extra-Sessional Courses for academic credit; (*n*) Home Econ.; (*o*) Handicrafts; (*p*) Parent Educn.

FEES. Arts and Sciences, Agric., Nursing: $238 per session. Appl. Sci. (incl. Archit. and Engin.), Forestry, Law, Pharmacy: $288 per session. Med.: $443 per session. Occpl. Agric.: $148 per session. Partial courses: $15 per unit. Grad. Study, $238.

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, $1000; Canadian Pulp and Paper, Western Branch, Fellowships (2), $500 ea.; Shell Oil Fellowship for Research, $900 plus tuition fees; Canadian Industries Ltd. Fellowship for Research, $900; Edith Ashton Memorial Scholp., $250; B.C. Telephones Scholps. (3) to total of $1900; General Construction Co. Scholp., $300; Gault Bros. Ltd. Scholp., $700; John and Annie Southcott Memorial Scholp., $100; B.C. Sugar Refining Co. Scholps., total $2500; British Columbia Electric Railway Co. Fellowship in Agric., $800; British Columbia Electric Railway Co. Graduate Scholps. in Arts, Commerce, Law and Social Work, total $1000; British Columbia Telephone Co. Scholp. in Community and Regional Planning, $600; Burroughs Wellcome Fellowship in Anæsthesiology and Appl. Pharmacol., $1000; Community Planning Assocn. of Canada (B.C. Division) Scholp., $1200; Graduate Scholps. in Slavonic Studies, $1600; Pacific Pine Co. Ltd. Scholarship in Forestry, $300; Lefevre Scholp. in Chem., $150; Pouleno Fellowship in Appl. Physiol., $500; Savage Shoe Co. Fellowship, $1500; California Standard Co. Fellowship, $750.

GRADUATES' ASSOCIATION. Alumni Assoc. of Univ. of British Columbia is composed of Hon., Active and Assoc. Members. Governing body composed of a Bd. of Management elected at the annual meeting and the Pres. of each organized branch. The Sec.-Manager is employed by the Assocn. on a full-time basis. In the autumn of 1948 a new Society was formed, known as the "Trustees of the Alumni-U.B.C. Fund." Monies donated are used for the general purposes of the Univ. and the encouragement and advancement of educn. in the Province.

SPECIAL INSTITUTION. The Inst. of Oceanography which was established in the autumn of 1949 is supported in part by the Defence Research Bd. and by the Jt. Cttee. on Oceanography, the latter body representing the interest of the Royal Canadian Navy, the National Res. Council, the Fisheries Res. Board and the Hydrographic Service. The Inst. represents the co-operative effort of the three depts. of Chem., Physics and Zool. to train grad. students in one or more of these branches in the principles and techniques of oceanographic res. The Inst. is further charged with the responsibility for fundamental res. in Oceanography.

An INSTITUTE OF FISHERIES is being established within the Fac. of Grad. Studies to give at the grad. level broad and advanced instruction in various fields relating to the best use and management of the fisheries resources.

UNIVERSITY SERVICE TRAINING CORPS. (*a*) Canadian Officers' Training Corps (re-established in 1928); (*b*) University Naval Training Division (established in 1943); (*c*) R.C.A.F. (Reserve) University Flight (established in 1948). All service training on the campus is under the jurisdiction of a Jt. Services Univ. Training Cttee. composed of the Pres. of the Univ., the C.O.s of the C.O.T.C., U.N.T.D. and R.C.A.F. (Aux.) Univ. Flight, the Deans of the Facs. of Arts and Sci., Agric. and Appl. Sci., and representatives from the Navy, the Army and the Air Force.

STUDENT ATHLETIC FACILITIES. 5 Playing Fields; 2 Gymnasia.

STUDENT ORGANIZATIONS. The Alma Mater Soc. with its governing executive, the Students' Council, controls all student activities and is responsible for student discipline. Every student automatically becomes a member

of the Alma Mater Soc. when he enrols in the Univ. Members are elected every spring to hold office through the next yr.

RESIDENCE. Board and lodging in vicinity of the Univ. from $55 upwards p.m. ACADIA CAMP, accomm. for about 315 men and 46 women. Terms, $52·50 p.m. FORT CAMP, accomm. for 385 men. Terms, $52·50 p.m. Women's Residences: Mary Bollert Hall; Isabel MacInnes Hall; Anne Wesbrook Hall. Accomm. for 52 women in each Hall. Fees: $396 per session for single rooms, $382 per session for double rooms.

THE UNIVERSITY STUDENT HEALTH SERVICE. The University Health Service is located in Wing B of the Wesbrook Building and comprises an up-to-date and well-staffed Out-Patient Department on the main floor together with a 26-bed hosp. on the third floor. The Health Service is not a teaching department, being maintained solely for the benefit of students who may require medical care and advice, especially those whose homes are not in Vancouver or vicinity, or who have no regular family doctor.

In addition to providing medical and nursing care and investigation of any such student health problems, the Health Service also carries out the compulsory routine medical examns. required by the Univ. Each student on admission is given complete physical examn., including tuberculin skin test and chest X-ray. Before participation in athletics all women students are annually medically examined and men students are checked as to physical fitness for participation in strenuous athletics. A scheme for the control of communicable diseases and the following up of defects is in operation and first-aid is rendered by a full-time public health nurse. The Medical Officer is available at specified hours for consultation.

PUBLICATIONS. *Requirements for Matriculation*; *Calendar* (April); Summer Session *Announcement of Courses*, Lecture Series; President's *Report*. (No charge is made for any of these publicns.)

## THE YEAR 1951–52

BENEFACTIONS. $565,127.

NEW BUILDING. Law Building.

NEW SCHOOL. Phys. Educn.

RETIREMENTS. H. T. Logan, T. Larsen, E. A. Lloyd.

RESIGNATIONS. A. J. Dekker; R. H. Cox; R. H. Robinett; W. L. Johnson; L. E. Ranta; W. Raudorf; H. O. Hayes; J. M. Moynes; W. Van Houten; J. R. W. Young; E. Perrault; K. Large; S. N. Woods; Frances Kennedy; L. Kenny.

DEATHS. H. Ashton; J. D. Grant; R. Palmer; M. A. Cameron; J. M. Ewing; E. Woods; J. R. Evans.

HONORARY DEGREES. Conferred May 1952: *LL.D.*—C. Spencer, C.B.E., benefactor of Univ., on Bd. of Governors 1919–37; the Hon. Sir P. C. Spender, Australian Ambassador to U.S.A., former Vice-Pres. of United Nations General Assembly; H. Ashton, former Head of Dept. of French (deceased July 1952); R. L. H. Haig-Brown, Canadian author; the Hon. Annie Sarah Hodges, journalist. Conferred September 1952: *LL.D.*—H. Barkdull, President of American Bar Association; G. Chresteil, jurist of French Law Courts; J. A. Clark, President of Canadian Bar Association; J. W. de B. Farris, Chief Justice of Supreme Court of Br. Col.; Sir J. W. Morris, scholar, adviser

to U.K. Govt., Lord Justice of Appeal; G. McG. Sloan, Chief Justice of Br. Col.; the Rt. Hon. L. S. St. Laurent, Prime Minister of Canada; R. H. Tupper, Dean of the Law School of Br. Col.

STUDENT NUMBERS.

*Regular Students.*

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 25 | 4142 |
| Women | 17 | 1364 |
| Total | 42 | 5506 |

Postgraduate students (including those in Soc. Work and Teacher Trg. courses), 534.

New admissions, 1540.

*Correspondence Course and Extra-Sessional Students* (not included in total of 5548), 418 (268 m.; 150 w.).

Students from other countries. U.S.A., 44; United Kingdom, 14; Africa, 6; Asia, 18; Europe, 20; Central America and West Indies, 19; South America, 9; Australia and New Zealand, 4.

DEGREES—Oct. 1951 and May 1952. *Agric.*: B.S.A., 65. *Appl. Sc.*: B.A.Sc., 228; B.Arch., 18; B.S.N., 17. *Arts and Science*: B.A., 549; B.Com., 73; B.Ed., 23; B.H.E., 31; B.P.E., 19; B.S.W., 71; M.S.W., 23. *Forestry*: B.S.F., 29. *Graduate Studies*: M.A., 53; M.A.Sc., 21; M.S.A., 11; M.F., 1; Ph.D., 5. *Law*: LL.B., 120. *Pharmacy*: B.S.P., 39.

DIPLOMAS. Teacher Training, 124.

CERTIFICATES. Public Nursing and Teaching and Supervision (Nursing), 27; Agriculture (Occup.), 2.

[*Information compiled as at 7/7/53.*]

# CARLETON COLLEGE *

Founded 1942. Incorporated as the Ottawa Association for the Advancement of Learning, 1943; as Carleton College, 1952

*Postal Address*: Ottawa 1, Ontario, Canada.
*Telephone*: 5-5161.

CHANCELLOR—HARRY STEVENSON SOUTHAM, C.M.G., B.A. Tor., LL.D. Qu.

PRESIDENT—MURDOCH MAXWELL MACODRUM, B.A. Dal., M.A. McG., Ph.D. Glas., D.D. Presbyterian College, Montreal.

DEAN, FACULTY OF ARTS AND SCIENCE—JAMES ALEXANDER GIBSON, B.A. Br. Col., M.A., B.Litt., D.Phil. Oxon. (on leave 1953-54).

ACTING DEAN, FACULTY OF ARTS AND SCIENCE (1953–54)—MORAY ST. JOHN MACPHAIL, B.A. Qu., M.A. McG., D.Phil. Oxon., F.R.S.C.

DIRECTOR, SCHOOL OF PUBLIC ADMINISTRATION—R. OLIVER MACFARLANE, M.A. Qu., Ph.D. Harv.

REGISTRAR—EDWARD FLETCHER SHEFFIELD, M.A. McG., Ed.D. N.Y., F.C.I.S.

BURSAR—FREDERICK JAMES TURNER, B.Com., M.A. Tor., F.C.I.S.

LIBRARIAN—HILDA G. GIFFORD, B.A., B.L.S. McG.

## TEACHING STAFF

*Accounting*

McDougall, W. J., B.A. W. Ont. Assoc. Prof.

Sessional Lecturers

Wood, H.

Sterns, A. A., Lic. com. St. Gall., Dr. rer. pol. Berne.

*Astronomy*

Millman, P. M., B.A. Tor., A.M., Ph.D. Harv. Sessl. Lectr.

*Biology*

Nesbitt, H. H. J., B.A. Qu., M.A., Ph.D. Tor., D.Sc. Leyden Assoc. Prof.

Illman, W. I., B.A., M.Sc. W. Ont. (Bot.) Asst. Prof.

Turnau, E. A. O., M.Sc. McG. Lectr.

Hochster, R. M., B.Sc. Sir G. Wms., Ph.D. McG. (Biochem.) Sessl. Lectr.

*Chemistry*

Morton, J. M., M.Sc. Dal., M.A., Ph.D. Prin. Assoc. Prof.

Holmes, J. M., B.Sc. New Br., M.A. W. Ont., Ph.D. McG. Assoc. Prof.

Laughton, P. M., B.A. Tor., M.Sc. Dal., Ph.D. Wis. Asst. Prof.

Klee, G. G., B.S. Polytechnic Inst. of Brooklyn, M.S. Purdue Lectr.

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

Rabbitts, F. T., B.Sc. McG. Sessl. Lectr.

*Classics*

Shepherd, D. M., M.A. Qu. Asst. Prof.

Sessional Lecturers (Latin)

Showman, W. H., M.A. Qu.

Kiell, L. G., B.A. Qu.

*Commercial Law*

Corlett, M. E., B.A. Tor. Sessl. Lectr.

*Economics*

Gordon, H. S., B.A. Dal., A.M. Col. Assoc. Prof.

English, H. E., B.A. Br. Col. Asst. Prof.

Brewis, T. N., M.Com., Ph.D. Durh. Asst. Prof.

Sessional Lecturers

Watts, G. S., M.A. Qu.

Westbrook, E. C. J., B.A. Sir G. Wms., M.A. Tor.

Slasor, G., B.A.

*Engineering*

Stedman, E. W., C.B., O.B.E., F.R.Ae.S. Asst. Prof.

Tackaberry, S. G., C.B.E., B.A.Sc. Tor. Instr.

McDonald, R. C., B.A.Sc. Tor. Sessl. Lectr.

*English*

Beattie, A. M., B.A. Tor., A.M. Col. Assoc. Prof.

Johnston, G. B., M.A. Tor. Asst. Prof.

MacOdrum, M. M., B.A. Dal., M.A. McG., Ph.D. Glas., D.D. Presbyterian College, Montreal Lectr.

Wood, G. J., M.A. Tor. Lectr.

Chamberlin, Mrs. Dorothy, M.A. McG. Instr.

..... Reader.

..... Reader.

*Fine Arts*

Sessional Lecturers (Art)

Hubbard, R. H., B.A. McM., A.M., Ph.D. Wis.

Wood, T. C.

Dale, W. S. A., M.A. Tor.

Sessional Lecturer (Music)

Milligan, C. H., Mus.Bac. Tor.

*French*

Assistant Professors

Young, J. P., B.A. Qu., D. ès L. Bordeaux.

Tassie, J. S., B.A. McM., M.A. Tor.

..... Lecturer.

Sessional Lecturers

Gascon, A., M.A., Ph.D. Ott., B.Péd. Montr.

DuVernet, G. S., B.A. K.C.N.S., M.A. St. F.X. and Tor.

Freeman, Audrey D., M.A. Qu., D. ès L. Paris.

*Geography*

Sessional Lecturers

Watson, J. W., M.A. Edin., Ph.D. Tor., F.R.S.C.

Watson, Mrs. Jessie W., M.A. Edin.

Nicholson, N. L., B.A., M.Sc. W. Ont., Ph.D. Ott.

*Geology*

Hill, P. A., B.Sc. Lond. Lectr.

Sessional Lecturers

Alcock, F. J., B.A. Tor., Ph.D. Yale, F.R.S.C., F.G.S.A.

Wilson, Alice E., B.A. Tor., Ph.D. Chic., F.R.S.C., F.G.S.A.

Robinson, S. C., M.A.Sc. Br. Col., Ph.D. Qu.

McLearn, F H., B.E. N.S.T.C., Ph.D. Yale, F.R.S.C.

Harker, P., M.A. Camb., B.Sc. Lond., Ph.D. Mich.

*German*

Hoff, R., Dr. jur. Bres. Sessl. Lectr.

*History*

Gibson, J. A., B.A. Br. Col., M.A., B.Litt., D.Phil. Oxon. (on leave 1953–54) Prof.

Farr, D. M. L., B.A. Br. Col., M.A. Tor., D.Phil. Oxon. Asst. Prof.

Lecturers

Couse, G. S., B.A. McM.

Mealing, S. R., B.A. Alta., B.Litt. Oxon.

Sessional Lecturers

McQueen, J. M., M.A. Tor.

Grantham, R., M.A. Br. Col.

*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. Patrick's, M.A., Ph.D. Ott., F.R.S.C. Sessl. Lectr.

Herbert, W. B., B.A., LL.B. Alta. Sem. Ldr.

McFarlane, L. Sem. Ldr.

Foley, T. Sem. Ldr.

Pask, V. Field Work Supervisor.

*Mathematics*

Richardson, L. N., M.A. Tor., M.Sc. McG. Prof.

Macphail, M. S., B.A. Qu., M.A. McG., D.Phil. Oxon., F.R.S.C. Prof.

Mayne, J. W., B.Sc., M.A. Acad., M.S. Brown Asst. Prof.

Sessional Lecturers

Keyfitz, N., B.Sc. McG., Ph.D. Chic.

Gamble, R. B., B.Sc. McG.

Rentner, L. W., B.A. Tor.

Wilson, R. F., B.A. Qu.

Vigder, J. S., M.A. Sask.

Millar, R. F., M.A. Tor.

Mandl, P., M.A., Ph.D. Tor.

*Philosophy*

Jonas, H., Ph.D. Marburg Assoc. Prof.

McKeown, C. G. S., M.A. Tor., M.A., Ph.D. Prin. Asst. Prof.

*Physics*

Munn, A. M., B.Sc. Qu., M.Sc., Ph.D. McG. Assoc. Prof.

Love, G. R., M.A. W. Ont., Ph.D. Tor. Assoc. Prof.

Cole, T. J. S., B.Sc. (Eng.) Lond., B.Sc. Lectr.

Ghosh, A. C., M.Sc. Calc. Lectr.

*Political Science and Public Administration*

Rowat, D. C., B.A. Tor., A.M., Ph.D. Col. (Pub. Admin.) Assoc. Prof.

Fox, P. W., M.A. Tor. Asst. Prof.

Sessional Lecturers

MacKay, R. A., B.A. Tor., Ph.D. Prin., F.R.S.C.

Forsey, E. A., M.A. McG. and Oxon., Ph.D. McG.

Hougham, G. M., M.A. Tor.

Phillips, R. A. J., B.A. Tor.

*Psychology*

Wake, F. R., B.A., Ph.D. McG. Asst. Prof.

Sessional Lecturers

Whitworth, F. E., B.A. Sask., A.M., Ph.D. Calif.

Cook, T. W., M.A. Acad., Ph.D. Yale.

Wendt, R. A., B.A. Alta., M.A. McG.

Morton, N. W., M.A., Ph.D. McG.

Holland, A. G., B.A. W. Ont.

*Public Administration*

MacFarlane, R. O., M.A. Qu., Ph.D. Harv. Prof.

*Public Law*

Henderson, G. F., B.A. Tor. Sessl. Lectr.

*Religious Knowledge*

Shein, L. J., B.A. Dubuque, M.A., Ph.D. Tor. Sessl. Lectr.

*Russian*

Sessional Lecturers

Lalkow, D. I., M.D. Moscow.

Bohatirchuk, F. P., M.D. Kiev

1 Asst.

*Sociology*

Porter, J. A., B.Sc. (Econ.) Lond. Lectr.

MacNeish, Mrs. June H., Ph.B., A.M. Chic. Sessl. Lectr.

*Spanish*

Plaskacz, B., Lic. phil. litt. Madrid Sessl. Lectr.

Lamb, I. M., D.Sc. Edin. Sessl. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: Elizabeth M. Buckley, B.A. Qu. Asst. Librarians: Doris M. Honeywell, M.A. Qu., B.L.S. Tor.; Mara E. Karnupe, B.L.S. McG., B.A.; Elizabeth W. Brewster, B.A. New Br.; M. A. Radcliffe, B.L.S. Tor. Administrative Asst.: C. V. Hotson, B.J. Accountant: R. M. Walters. Dir. of Athletics: N. D. Fenn, B.S., M.Ed. Springfield. Student Personnel Asst.: Mrs. Jean A. Loates. Med. Adviser: E. L. Davey, M.D., D.P.H. Tor.

## GENERAL INFORMATION

HISTORY. Conceived by a cttee. of the Ottawa Y.M.C.A. in 1938, the Coll. had its beginning in 1942 when a group of interested citizens established the Ottawa Association for the Advancement of Learning. In that year evening classes of the first and second Univ. years were opened under the name Carleton College. An Inst. of Public Administration was added in 1943, and later absorbed by the Coll. Special matricn. courses for veterans were offered in the years 1945–46. These were the first day classes. Both day and evening curricula were expanded until, by 1949, they included full undergrad. courses in Arts, Sci., Comm., Journalism, Pub. Admin. and Engin. A course leading to a grad. Dipl. in Pub. Admin. was added in 1952, and a School of Pub. Admin. established in 1953. The Coll. operated in rented quarters until 1946, when it acquired a bldg. of its own. Subsequently, a students' union, a library and a bldg. to house the Sch. of Pub. Admin. were added, and 130 acres of land acquired for development of a new campus. In 1952 the Legislative Assembly of the Province of Ontario passed *The Carleton College Act*, enlarging and specifying the Coll.'s university powers. In the same year the Coll. was made a member of the National Conference of Canadian Univs.

CONTROL AND SUPPORT. The Coll. is non-denominational, co-educational, privately controlled. It is financed by tuition income, private subscriptions, and provincial and federal govt. grants. Total income for 1951–52 was $520,000; 30·1 per cent. from tuition and other student fees, 48·1 per cent. from govt. grants (28·8 per cent. current funds, 19·3 per cent. capital), 13·2 per cent. from private subscriptions, 1·1 per cent. from endowment, 7·5 per cent. from other sources.

FACULTY OF ARTS AND SCIENCE. Studies in Arts, Science, Commerce, Journalism and Engineering are included in this one faculty. *Dean*: James A. Gibson, B.A. Br. Col., M.A., B.Litt., D.Phil. Oxon. (on leave 1953–54). *Acting Dean* (1953–54): M. S. Macphail, B.A. Qu., M.A. McG., D.Phil. Oxon., F.R.S.C.

SCHOOL OF PUBLIC ADMINISTRATION. Includes cert., hons. B.A. and graduate dipl. courses. In 1954 will offer M.A. course in Pub. Admin. *Director*: R. Oliver MacFarlane, M.A. Qu., Ph.D. Harv.

DEGREE COURSES. Day Division—B.A., B.Sc., 4-yr. pass courses and 5-yr. hons. courses; B.Com., B.J. (Bachelor of Journalism), 4-yr. courses. Evening Division—B.A., B.Sc., B.Com., pass courses equivalent to those offered in the day division, but extending over a longer period of time.

DIPLOMA AND CERTIFICATE COURSES. Day Division—Certif. in Engin., 2-yr. course, after which students continue for an addtl. 2 yrs. in another Univ. for degree in Engin. Graduate Diploma in Public Administration, 1-yr. course. Evening Division—Grad. Dipl. in Publ. Admin., Certif. in Pub. Service Studies, each the equivalent of a 1-yr. full-time course, but taking longer because followed by pt.-time students.

ADMISSION REQUIREMENTS. To 1st yr. of course in Arts, Sci., Comm., Journalism—Jr. Matricn. (Sec. Sch. Graduation Dipl. of Prov. of Ont., or equivalent certif.). To 1st yr. of course in Engin. or to 2nd yr. of courses in Arts, Sc., Comm., Journalism—Sr. Matricn. (Sec. Sch. Honour Graduation Dipl. of Prov. of Ont., or equivalent cert.). *See also* Appendix I.

ACADEMIC YEAR. Winter session, mid-September to end of April.

SUMMER SESSION. Evening classes in selected undergrad. subjects are offered in a 14-wk. summer session—June, July and Aug.

ADULT EDUCATION. Evening courses provided for employed men and women seeking degrees and dipls. are open as well to those interested only in single subjects. In addition, extension courses, for which no academic credit is allowed, are offered at low cost for interested members of the public.

FEES. Annually for tuition—Day Division : Arts, Sci., Comm., Journalism, $265, plus $15 lab. fee for each course involving lab. work ; Engin. $355. Misc. fees, addtl., $22-23. Evening Division : $53 per subject, plus $15 lab. fee for each course involving lab. work. Misc. fees, addtl. per subject, $2. Extension course : $5 to $20 (occasionally more).

POSTGRADUATE AWARDS. $500 scholarships are available for study in course leading to grad. Dipl. in Pub. Admin. Fellowships, of greater value, are offered, beginning in 1954, for study toward M.A. in Pub. Admin. *See* Appendix III.

FACILITIES. The Coll. is housed in a four-storey brick bldg., set on a small campus in the Glebe, one of Ottawa's residential districts, about 10 minutes by street-car or bus from the centre of the city. In addition to classrooms and seminar rooms, facilities include Engin., Chem., Biol., Geol. and Phys. Labs. ; an audio-visual aids centre including equipment for sound motion picture projection, film-strip and slide projection, and radio workshop activities ; a canteen ; an assembly hall, equipped for stage productions. The School of Pub. Admin. occupies a three-storey house across the street from the main coll. bldg. Near by is a three-storey students' union and a recreation building which provide accomm. for Students' Association offices, *The Carleton* (student weekly newspaper), reading rooms, games rooms, dark-rooms, radio broadcasting rooms, club rooms and a student lounge. Athletic activities are carried on in the gymnasium and playing fields of Lansdowne Park, about six blocks from the College, and the gymnasia of near-by secondary schools. Completed in 1951, a new library building provides study space for 200 students at one time and will accomm. 40,000 vols. There are now 23,000 vols. in the library.

MILITARY TRAINING. Preparation for commissioned rank in the active or reserve forces of the Royal Canadian Navy, the Canadian Army or the Royal Canadian Air Force is made possible by membership in the University Naval Training Division, the Canadian Officers' Training Corps or the R.C.A.F. Reserve Univ. Squadron. Trng. is on a pt.-time basis during the academic session, full-time during the summer months.

STUDENT SERVICES. Under the supervision of the College Med. Adviser a Student Health Service is provided. Also available are counselling and

guidance facilities and a Student Placement Service. The College has no dormitories of its own, but maintains a Housing Registry through which rooms or rooms and board may be located in near-by homes. Meals and snacks are served in a canteen in the main building.

ALUMNI ASSOCIATION. An alumni assocn. was formed in 1949. Grads. are eligible for full membership.

PUBLICATIONS. By the College—*Calendar, Bulletin* and Summer Session announcement, all annually. By the Students' Association—*The Carleton*, weekly newspaper; *The Raven*, annually; *Directory of Students*, annually.

## THE YEAR 1951-52

BENEFACTIONS. First univ. grant ($50,000) from Govt. of Canada; special capital grant of $100,000 from Province of Ontario; payments on pledges to 1951 Development Fund Campaign, $58,700.

NEW POSTS. Appt. of the Coll.'s first Dean of Fac. of Arts and Sci.; the Coll.'s first Chancellor was elected.

CHARTER AND N.C.C.U. *The Carleton College Act*, 1952, given Royal assent April 10, 1952, revised the college charter, changing its corporate name from "The Ottawa Association for the Advancement of Learning" to "Carleton College," and enlarging and specifying its University powers. Consequent upon this Act the College, on June 11, 1952, was made a member of the National Conference of Canadian Universities.

RESIGNATIONS. Agnes Y. Fleming, Commerce, to study in Fac. of Law, Alta. U.; M. Zaslow, Hist., apptd. lectr. in Hist. at Univ. of Tor.; N. D. Lane, Maths., apptd. prof. in Maths. at McM. Univ.; W. J. Huggett, M.A. Tor., Philos., apptd. prof. in Philos. at Univ. of Manit.; G. M. Hougham, Pol. Sci., to research under supervision of Univ. of Penn.; Doris I. Inch, to study in Library Sch. McG. Univ.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 436 | 294 |
| Women | 247 | 120 |
| Total | 683 | 414 |

Postgraduate students, nil.

First-year admissions (full-time), 132.

Students (full-time) from other countries, 4 (from Ethiopia, 2; United Kingdom, 1; British West Indies, 1).

Extension course students (in non-Univ. courses) numbered 344 in addition.

DEGREES. B.A., 58; B.Sc., 14; B.Com., 13; B.J., 16; B.P.A., 1.

CERTIFICATES. Cert. in Engin., 19.

# DALHOUSIE UNIVERSITY†

Founded 1818

**With which is affiliated King's College** (*see* p. 728).

*Postal Address*: Halifax, Nova Scotia, Canada.
*Telephone*: Registrar: 3-7494.

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PRESIDENT OF THE UNIVERSITY—ALEXANDER E. KERR, B.D. Union Sem., N.Y., D.D. United Coll., Acad. and Glas., LL.D. Mt. All. and New Br., B.A.

ACTING REGISTRAR—BEATRICE R. E. SMITH

SECRETARY OF SENATE—C. L. BENNET, M.A. Camb., A.M. Harv.

BUSINESS MANAGER—D. H. MCNEILL, B.Sc.

## TEACHING STAFF

*Anatomy*

Saunders, R. L. de C. H., M.D., Ch.B. Edin., F.R.S.S. Af., F.R.S.A. Campbell Prof.

Instructor

Nichols, Roberta B., B.A., 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.

*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. (on leave 1953–54) Black Prof.
Berman, W., B.Com. McG. Assoc. Prof.
Churchill-Smith, H., M.C. Sp. Lectr.

† Member of the Association of Universities of the British Commonwealth.
* Also member of Fac. of Grad. Studies.
(K.) = King's College.

*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. Howe Prof.
Bowes, W. H., B.E. N.S.T.C. Assoc. Prof.
Chisholm, A. F., B.E. N.S.T.C. Asst. Prof.
Marginson, K. F, B.E. (Mech.) N.S.T.C. Asst. Prof.

*English Lang. and Lit.*

*Bennet, C. L., M.A. Camb., A.M. Harv. Munro Prof.
*Martin, J. B., M.A. Tor., Ph.D. Harv. Prof. (K.).
Lambertson, C. L., M.A. Alta., A.M. Harv. Asst. Prof. (K.).
Bevan, A. R., B.A. Sask., M.A. Manit., Ph.D. Tor. Asst. Prof.

*Fine Arts*

Mackay, D. C. Sp. Lectr.

*Fisheries*

Beatty, S. A., M.A. Qu., Ph.D. McG. (Biochem.) Assoc. Prof.
Castell, C. H., M.S.A. Tor. (Bacteriol.) Sp. Lectr.

*Geology*

*Douglas, G. V., M.C., M.Sc. McG., F.G.S., F.G.S.A., F.R.S.C. Carnegie Prof.
Goodman, N. R., D.Phil. Oxon., M.Sc. Assoc. Prof.

*Hebrew*

Clarkson, Rev. Canon W. W., B.S. Litt. K.C.N.S. Sp. Lectr.
Hardie, Rev. J. B., M.A., B.D., Ph.D. Glas. Sp. Lectr.

*History*

*Wilson, G. E., M.A., LL.D. Qu., Ph.D. Harv., F.R.S.C. Dean, Arts and Sci., Munro Prof.
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. Br. Col. and Tor. Lectr.

*Law*, v. *infra*

*Mathematics*

*Adshead, J. G., M.A. Camb. Prof.
*Walmsley, C., M.A. Camb. Prof.
Tingley, A. J., B.A. Mt. All., M.A., Ph.D. Minn. Asst. Prof.
MacLennan, I. A., B.Sc. Lond. Lectr. (K.).

*Medicine and Surgery*, v. *infra*

*Modern Languages*

*Chavy, P., Ag. des L. Paris (French) Prof.
*Mercer, C. H., M.A., B.Com. Manc. (French and Spanish) Prof.
Richter, Mrs. Johanna, M.A. Tor. (German) Asst. Prof.
Chavy, Suzanne J. M.-L., L. ès L. Paris (French) Sp. Lectr.
Griffin, A. K., M.A. Tor. and Oxon., Ph.D. Tor. (Russian) Lectr. (K.).

*Music*

Hamer, H., F.R.C.O. Lectr.

* Also member of Fac. of Grad. Studies.
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*Nursing*

MacLennan, E. A. E., A.M. Col., B.A. Dir. of School.

*Philosophy*

*Grant, G. P., B.A. Qu., D.Phil. Oxon. Munro Prof.

Vingoe, R. H., B.A. McM., M.A., Ph.D. Tor., F.R.S.A. Asst. Prof.

*Physics*

*Johnstone, J. H. L., O.B.E., Ph.D. Yale, M.Sc. Munro Prof.

*Archibald, W. J., Ph.D. Virginia, M.A., F.R.S.C. (on leave 1953–54) (Math. Physics) Prof.

Guptill, E. W., B.Sc. Acad., M.A. W. Ont., Ph.D. McG. Assoc. Prof.

Stewart, A. T., Ph.D. Camb., M.Sc. Asst. Prof.

Blanchard, J. E., M.Sc., Ph.D. Tor., B.Sc. (Geophysics) Asst. Prof.

*MacDonald, A. D., Ph.D. M.I.T., M.Sc. Assoc. Prof.

*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.

*Political Science*

*Aitchison, J. H., B.A., B.Ed. Sask., B.Sc. Lond., Ph.D. Tor. Dennis Prof.

*Psychology*

*Page, F. H., M.A. Tor. Prof. (K.).

*Welch, Mrs. Louise M., B.A. New Br., B.Ed. Edin., Ph.D. Yale Prof.

*Marshall, Mrs. Frances, M.A. Nebraska, Ph.D. Chic. Assoc. Prof.

*Public Affairs*

McVittie, J. I., B.A. McG. Dir. of Inst.

## Dentistry

*Adult Clinic*

Lubetsky, I. K., D.D.S. Demr.

Nutlay, A. G., M.D. Vienna and Rome, D.D.S. Demr.

Caldwell, G. W., B.Sc., D.D.S. Demr.

*Children's Dentistry*

McGuigan, J. P., D.D.S. Prof.

*Crown and Bridge Work, etc.*

Chudleigh, G. A., D.D.S. Baltimore Col. Dent. Surg. Prof.

Dewis, G. M., D.D.S. Asst. Prof.

Merritt, J. E., D.D.S. Tor. Asst. Prof.

*D. Anatomy, etc.*

McGuigan, J. P., D.D.S. Lectr.

*D. History, Jurisprudence, Ethics, and Economics*

Lecturers

Bissett, F. W. M., B.A., LL.B.

Crosby, H. S., D.D.S., F.I.C.D.

Kerr, K. M., D.D.S.

*D. Pathology and Therap.*

Haverstock, A. B., D.D.S., B.Sc. (Dent.) Tor. Prof.

Pentz, D. G., D.D.S. Asst. Prof.

*Dentistry*

Nutlay, A. G., M.D. Vienna and Rome, D.D.S. Lectr.

Bagnall, J. S., D.D.S., F.D.S.R.C.S., F.I.C.D. Dean of Dent., Prof.

McLean, J. D., D.D.S. Tor. Prof.

*Exodontia*

Croft, O. L., D.D.S. Tor., F.A.C.D. Prof.

*Operative D.*

Crosby, H. S., D.D.S., F.I.C.D. Prof.

* Also member of Fac. of Grad. Studies.

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Eaton, D. C., B.Sc. Acad., D.D.S. Asst. Prof.

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Archibald, L. J., D.D.S.
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Dewis, G. M., D.D.S.
Eaton, D. C., B.Sc. Acad., D.D.S.
Pentz, D. G., D.D.S.
Dexter, C. E., B.Sc., D.D.S.
Dexter, E. F., D.D.S.
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Ervin, A. H., D.D.S.
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Merritt, J. E., D.D.S. Tor.
Oler, C., D.D.S.
Vaughan, J. R., D.D.S.

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Noble, J. A, B.A. Acad., M.B., Ch.B., F.R.C.S.Ed. Assoc. Prof.
Mackinnon, C. G., B.A., M.D., C.M. Lectr.

*Orthodontics*

Christie, P. S., D.D.S. Prof.

*Pre-School Age Clinic*

Goldberg, L. S., D.D.S. Demr.

*Prosthetic D.*

Dewis, G. M., D.D.S. Prof.
Kerr, K. M., D.D.S. Demr.

*Radiology*

Eaton, H. M., D.D.S., F.A.C.D. Prof.

## Law

*Administrative Law and Agency*

Clarke, L. O., B.A., LL.B. Asst. Prof.

*Bills and Notes*

Smith, K. S., B.A., LL.B. Lectr.

*Conflict of Laws, Contracts, Legislation*

*Read, H. E., O.B.E., Q.C., LL.M., S.J.D. Harv., B.A., D.C.L. Acad., LL.B. Dean of Fac.

*Constitutional Law*

MacDonald, Hon. V. C., LL.D. St. F.X., J.U.D. Br. Col., B.A., LL.B., LL.D. Lectr.

*Constitutional Law, Jurisprudence, Torts*

*Lederman, W. R., B.A., LL.B. Sask., B.C.L. Oxon. Prof.

*Corporations*

Robertson, G. B., LL.M. Harv., B.A., LL.B. Lectr.

*Criminal Law*

Pottier, Hon. V. J., B.A., LL.B., D.C.L. St. Ann's Lectr.

*Insurance*

Ritchie, R. A., Q.C., B.A. Oxon. and Dal. Lectr.

*International Law, Judicial Remedies I and II, Labour Law*

Hendry, J. M., LL.M. Harv. and Mich., B.A., LL.B. Assoc. Prof.

*Legal Accounting*

Berman, W., B.Com. McG. Lectr.

*Mortgages*

Coffin, T. H., Q.C., B.A., LL.B. Lectr.

*Procedure I and II*

Meagher, A. J., B.A., LL.B. Prov. of N.S. Prof.
MacKeigan, I. M., M.A. Dal. and Tor., LL.B. Lectr.

*Property I and II, Muncipal Corporations*

Murray, R. G., LL.M. Harv., B.A., LL.B. Bennett Prof.

* Also member of Fac. of Grad. Studies.

*Shipping*

Meagher, A. J., B.A., LL.B. Prov. of N.S. Prof.

*Taxation*

Ilsley, Rt. Hon. J. L., B.A., D.C.L. Acad., LL.D. McG., Qu. and McM., LL.D. Lectr.

Covert, F. M., O.B.E., D.F.C., Q.C., B.A., LL.B. Lectr.

*Trusts*

Cooper, A. G., B.A., B.C.L. Oxon., B.Com. Lectr.

*Evidence*

MacQuarrie, Hon. J. H., B.A. Acad., LL.B. Lectr.

**Medicine**

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

*Anæsthesia*

Stoddard, C. C., M.D., C.M. Prof.

Assistant Professors

Nichols, Roberta B., B.A., M.D., C.M.

Baker, C. H. L., M.D., C.M.

Kincaide, C. M., M.D., C.M.

Ballem, R. W. M., M.D., C.M.

Lecturer

Mackinnon, C. G., M.D., C.M.

Demonstrators

MacIntosh, A. S., B.A., B.Sc., M.D., C.M.

Fleming, R. A. P., M.D., C.M. Qu.

Graham, D. V., B.Sc., M.D., C.M.

*Bacteriology*

*Reed, R. W., M.A. Qu., M.D., C.M. McG. Prof.

Gregory, K., B.Sc. Br. Col., M.Sc., Ph.D. Wis. Asst. Prof.

Simpson, D. M., M.Sc. Tor. Lectr.

*Biochemistry*

*McCarter, J. A., M.A. Br. Col., Ph.D. Tor. Prof.

Stewart, R. D., Ph.D. McG. Assoc. Prof.

Macpherson, L. B., M.B.E., B.Sc. Acad., Ph.D. Tor. Asst. Prof.

Harlow, C. M., B.Sc. Acad., Ph.D., M.D., C.M. McG. Lectr.

*Dermatology*

Howell, D. R. S. Asst. Prof.

Goldberg, H. I., B.Sc., M.D., C.M. Demr.

Plumer, R. F., M.D., C.M. Demr.

*Epidemiology*

Stewart, C. B., B.Sc., M.D., C.M., M.P.H. Johns H. Eddy Prof.

Peabody, Jean A., B.A. New Br. Statis. Asst.

*Eye, Ear, Nose and Throat*

Doull, A. E., M.D., C.M. Prof.

MacRae, D. M., B.Sc., M.D., C.M. Assoc. Prof.

Kirkpatrick, H. W., M.D., C.M. Asst. Prof.

Holland, L. G., B.A., M.D., C.M. Asst. Prof.

Hammerling, J. S., B.Sc., M.D. N.Y. Med. Coll. Lectr.

Keays, C. F., M.D., C.M. Demr.

Shane, A. G., B.Sc., M.D., C.M. Demr.

*Gynæcology*, v. Obst.

*Histology and Embryology*

Saunders, R. L. de C. H., M.D., Ch.B. Edin., F.R.S.S.Af., F.R.S.A. (Struct. Neurol.) Prof.

Némethy, N., M.D. Debrechen Asst. Prof.

*Hospital Administration*

Bethune, C. M., M.B.E., B.Sc., M.D., C.M. Prof.

Kirk, T. E., B.A. St. F.X., M.D., C.M. McG. Assoc. Prof.

*Medical Jurisprudence and Toxicology*

Murray, A. E., B.A., M.D., C.M. Lectr.

* Also member of Fac. of Grad. Studies.

*Medicine and Clin. Medicine*

Holland, C. W., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.
*Hoffman, M. M., B.A. Mt. All., Ph.D., M.D., C.M. McG., M.Sc. Res. Prof.

Associate Professors

Sieniewicz, T. M., M.D., C.M., F.R.C.P.Can.
MacIntosh, J. W., M.D., C.M., F.A.C.P.
Marshall, C. S., M.D., C.M. (Neurol.).
Reid, J. W., M.D., C.M.
Tonning, D. J., M.D., C.M.
MacDonald, R. M., B.S.A. McG., M.B., Ch.B. Edin., F.R.C.P. Can.
Steeves, L. C., B.A. Mt. All., M.D., C.M. McG., F.R.C.P.Can.
Beckwith, C. J. W., D.P.H. Tor., B.A., M.D., C.M.

Assistant Professors

Aikens, R. L., B.Sc., M.D., C.M., F.R.C.P.Can.
Howell, D. R. S. (Dermatol.).

Lecturers

Scammell, H. L., M.D., C.M.
Read, H. C., M.D., C.M.
Campbell, A. B., M.D., C.M.
Morton, A. R., M.D., C.M., M.P.H. Johns H.
Moya, F. J., B.Sc. Laval (Exper. Med.).
Woodbury, J. F. L., B.Sc., M.D., C.M.
Leslie, W., M.D. Manit., F.R.C.P. Can.

Clinical Instructors

Gosse, Margaret, B.A., M.D., C.M. McG.
Black, G. A., M.D. W. Ont.

Demrs. in Clin. Medicine

Dyer, W. J., B.Sc., M.D., C.M.
Murray, W. A., M.D., C.M.
Morse, W. I., M.D., C.M., F.R.C.S.Can.
Goldberg, H. I., B.Sc., M.D., C.M. (Dermatol.).
Gordon, C. A., M.D., C.M.
Roy, D. L., M.D., C.M.

*Obstetrics and Gynæcology*

Atlee, H. B., M.C., M.D., C.M., F.R.C.S. 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., F.R.C.O.G.
Grant, K. M., B.Sc., M.D., C.M.

Demonstrators

Tupper, W. R. C., B.Sc., M.D., C.M.
Perlin, I. A., B.Sc., M.D., C.M.
Corston, J. M., M.B., Ch.B. Edin.

*Pathology*

McLetchie, N. G. B., Ch.B., M.D. Glas. Prof.

Associate Professor

MacKeen, R. A. H., M.D., C.M. McG.

Assistant Professor

Harlow, C. M., B.Sc. Acad., Ph.D., M.D., C.M. McG.

Lecturers

Nutlay, A. G., M.D. Vienna and Rome, D.D.S.
Smith, R. L., M.D., C.M. McG.
Read, H. C., M.D., C.M.

Demonstrators

Reid, N. D., M.D., C.M.
Reynolds, D. P., M.D. Manit.

*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.
Ross, H. B., B.Sc., M.D., C.M. Asst. Prof.

* Also member of Fac. of Grad. Studies.

Lecturers
Roberts, Maureen H., M.B., Ch.B. Edin., D.P.H. Lond.
Ritchie, R. M., M.D., C.M.
Grant, R. S., B.Sc., M.D., C.M.

*Pharmacology and Materia Medica*
*Aldous, J. G., M.A. Br. Col., Ph.D. Tor. Prof.
Reynolds, A. K., B.A., M.Sc., Ph.D. W. Ont. Asst. Prof.
Szerb, J. C., M.D. Munich Asst. Prof.

Demonstrators
Cooke, J. E., B.Sc.
MacKnight, Jessie I.

*Preventive Medicine*
Grant, H. G., M.D., C.M. Dean of Med., Prof.
Morton, A. R., M.D., C.M., M.P.H. Johns H. Assoc. Prof.

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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.

Lecturers
Tyhurst, J., B.Sc., M.D., C.M. McG.
Crook, A. J., B.A., B.S.W. Tor.
Hirsch, S., B.Sc., M.D., C.M. Lectr.

*Radiology*
Johnston, S. R., M.D., C.M. Prof.

Assistant Professors
Nichol, J. F., M.B., Ch.B. Belf.
Jones, C. M., B.Sc., M.D., C.M.

Lecturer
Smith, R. L., B.A., M.D., C.M. McG.

*Surgery and Clin. Surgery*
Curry, W. A., M.D., C.M. McG., B.A., F.R.C.S. Prof.

Associate Professors
Skinner, G. F., M.D., C.M. McG., F.R.C.S. Ed. and Can., F.A.C.S.
Kinley, C. E., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Mader, V. O., M.D., C.M. McG., F.R.C.S.Can.
Gosse, N. H., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Graham, J. V., M.D., C.M., F.A.C.S.

Assistant Professors
Noble, J. A., O.B.E., B.A. Acad., M.B., Ch.B. Edin., F.R.C.S. Ed.
Ross, E. F., O.B.E., B.Sc., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Murphy, A. L., B.A., M.D., C.M., F.A.C.S.
O'Brien, H. D., B.A., M.D., C.M., F.A.C.S.
Merritt, J. W., M.D., C.M., F.R.C.S.Can.
Acker, J. C., M.D., C.M. McG. (Orthopæd.).
Acker, T. B., M.D., C.M. (Orthopæd.).
Stevenson, W. D., M.D. Tor., F.R.C.S.Can. (Neuro-Surg.).
Miller, B. F., B.A. St. F.X., M.D., C.M., F.R.C.S.Ed. (Orthopæd.).
House, W. K., M.D. Manit., F.R.C.S.Ed.

Lecturers
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* Also member of Fac. of Grad. Studies.

Nonamaker, E. P., M.D., C.M., F.R.C.S.Can.
Coady, B. K., B.A., M.D., C.M., F.A.C.S.
Bethune, G. W., B.Sc. Acad., M.D., C.M., F.R.C.S.Can.
Charman, J. H., M.D., C.M.
Stewart, H. L., M.D., C.M.

Instructors

Marshall, A. M., M.D., C.M., F.R.C.S.Ed.
Covert, G. L., B.Sc., M.D., C.M
Black, G. A., M.D. W. Ont.

*Urology*

Gosse, C. L., B.Sc., M.D., C.M., F.A.C.S. Prof.
Mack, F. G., M.D., C.M., F.R.C.S. Can. Asst. Prof.

Demonstrators

Reardon, C. H., M.D., C.M.
MacGregor, H. I., B.Sc., M.D., C.M.

**Medical Museums**

Saunders, R. L. de C. H., M.B., Ch.B., M.D. Edin. Director.

**Graduate Studies**

(For other members of Fac., *see under* sep. subjects, *above*)

Johnstone, J. H. L., O.B.E., Ph.D. Yale, M.Sc. (Physics) Dean of Fac. and Munro Prof.
*Welch, Mrs. Louise M., B.A. New Br., B.Ed. Edin., Ph.D. Yale (Psychol.) Prof.
*Marshall, Frances, M.A. Nebraska, Ph.D. Chic. (Psychol.) Assoc. Prof.
*Macdonald, A. D., Ph.D. M.I.T., M.Sc. (Physics) Asst. Prof.
Young, E. G., B.A., M.Sc. McG., Ph.D. Camb., F.R.S.C. (Biochem.) Sp. Lectr.
Lewin, R. A., M.A. Camb., M.S., Ph.D. Yale (Bot.) Sp. Lectr.
O'Neill, A. N., M.A. Br. Col., Ph.D. Ohio State (Chem.) Sp. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Dir., Inst. of Public Affairs: J. I. McVittie, B.A. McG. Dir., Sch. of Nursing, E. A. Electa MacLennan, A.M. Col., B.A. Dir., Public Health Clinic: H. G. Grant, M.D., C.M. Dir., Students' Health Service: W. A. Murray, M.D., C.M. Engineer in Charge of Bldgs. and Grounds: H. R. Theakston, B.Sc. (Mining) N.S.T.C. Sec., Fac. of Arts and Sci.: A. S. Mowat, M.A., B.Ed. Edin. Sec., Fac. of Law: W. R. Lederman, B.A., LL.B. Sask., B.C.L. Oxon. Sec., Fac. of Med.: C. B. Weld, M.A. Br. Col., M.D. Tor. Sec., Fac. of Grad. Studies: J. G. Adshead, M.A. Camb. Dir., Univ. Liaison: W. G. Allen. Warden, Shirreff Hall (Women's Residence): Mary C. Mowat, B.Sc. Mt. All. Librarian, Macdonald Memorial Library: D. G. Lochhead, B.A. McG., M.A. Tor., B.L.S. McG. Librarian, Med. and Dent. Library: Charlotte S. Allen, B.L.S. Tor., B.A. Dirs., Phys. Educn. for Men: K. V. King, M.Ed. Springfield; A. N. Gillis, B.Sc. Springfield. Dir., Phys. Educn. for Women: Florence Rowley, B.Sc. Boston. Accountant: D. N. Borgal.

## ASSOCIATED AND AFFILIATED INSTITUTIONS

UNIVERSITY OF KING'S COLLEGE, v. p. 728.

PINE HILL DIVINITY HALL, Halifax. (*Telephone*: 3-6939.) Classes in Greek I., Philosophy of Religion, and Psychology of Religion, at Pine Hill, are

* Also attached to Fac. of Arts and Sci.

recognized as qualifying for the B.A. Students may complete the Div. course at the Coll. and take the B.A. in 6 yrs. Confers the degree B.D. Principal—Rt. Rev. C. M. Nicolson, B.A., D.D. 3 other Profs.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I. Students holding certain certifs. of the Coll. enter the 1st or 2nd yr. of the B.A. course. Principal—Frank MacKinnon, B.A. McG., M.A., Ph.D. Tor., LL.D. New Br.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's. (*Telephone*: St. John's 6427.) 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 and President—Raymond Gushue, C.B.E., Q.C., LL.B. Dal., D.Cn.L. K.C.N.S. V. p. 790.

HALIFAX CONSERVATORY OF MUSIC. (*Telephone*: 3-6524.) Courses recognized for B.Mus. and Lic.Mus.

HALIFAX LADIES' COLLEGE. (*Telephone*: 3-7920.) Students who have completed the regular course and received the Matriculation Diploma are admitted to the Arts or Science course without further examn. Principal—Marion Dauphinée, B.A.

MARITIME COLLEGE OF PHARMACY, Halifax. (*Telephone*: 3-6735.) Courses recognized as part of the qualifications for B.Sc. (Pharmacy). Dean—J. E. Cooke, B.Sc.

FISHERIES RESEARCH BOARD OF CANADA. Classes in Fisheries recognized for M.Sc.

CONVENT OF THE SACRED HEART, Halifax. (*Telephone*: 3-9629.) Mother Superior—Rev. Mother C. Murphy. Recognized for Advanced Standing in 1st and 2nd yrs. in Arts.

## GENERAL INFORMATION

Dalhousie College, founded in 1818 by the ninth Earl of Dalhousie, has been discharging University functions since 1863 when it was reorganized and reopened with a staff of six professors. From 1879 development was rapid, helped by the benefactions of G. Munro of N.Y. ($350,000), A. McLeod of Halifax ($65,000) and Sir Wm. Young ($88,000). In 1883 the Fac. of Law (first of its kind in the Commonwealth) was established, and in 1906 Pure Sci. united with Arts to form the Fac. of Arts and Sci. Appl. Sci. was replaced by the Fac. of Engin., which was later reduced to a Dept. by agreement with other Maritime Univs. when the N.S.T.C. opened for professional teaching. In 1911 the Fac. of Med. and in 1912 the Fac. of Dent. assumed full teaching duties. The Maritime Coll. of Pharm. was given quarters in the Univ. in 1911. The Fac. of Grad. Studies, offering instruction in Arts, Sci., Med. and Law, was established in 1949.

In 1912 $400,000 was collected for an additional site (40 acres) and bldgs. towards which Andrew Carnegie gave $40,000. Other gifts from the Carnegie Corporation and the Rockefeller Foundation permitted expansion of facilities for the Med. Sch. after 1918. In 1923 the Univ. of King's Coll., in association with Dalhousie, was given a site on the new campus, which also contains the Provincial Archives and the Maritime Labs. of the Nat. Res. Council. The International Commission for the Northwest Atlantic Fisheries accepted the Univ.'s invitation to establish its permanent headquarters in Dalhousie in 1953. The latest addition is the Arts and Admin. Building opened in 1952.

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., LL.D. Qu., Ph.D. Harv., F.R.S.C. *Law*—H. E. Read, O.B.E., Q.C., LL.M., S.J.D. Harv., B.A., D.C.L. Acad., 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. Yale, M.Sc.

LIBRARIES. Arts and Science—89,500 books and bound periodicals; Medical and Dental—20,150 books and 3650 bound journals and pamphlets; Law—20,000 books and bound journals. PUBLIC ARCHIVES OF NOVA SCOTIA, comprising MSS., newspapers, historical pictures and research libraries. LABORATORIES: Physics, Chem., Geol., Biol., Engin., Anat., Biochem., 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 four Atlantic Provinces and the major Universities of these areas are represented. The research carried out under its auspices is mainly concerned with problems of municipal government and social services. Affiliated with the Institute are the Maritime Bureau of Industrial Relations, the Maritime Labour Institute and the Nova Scotia Municipal Bureau.

MATRICULATION requirements are articulated to the High School system of the Province, which covers the last 3 years of the Public School 12-yr. course. To be admitted to a regular course leading to B.A., B.Sc. or B.Com. a student must have credit for 7 subjects of Junior Matricn. in (1) English, (2) Algebra, (3) Geometry, (4) and (5) any two of Hist., Physics, Chem., Biol., Geol., Trigonometry, Latin, Greek, French, German, Spanish, Russian, (6) and (7) two foreign langs. For B.A. one matricn. lang. must be Latin or Greek; for B.Sc. and B.Com. one must be French, German or Spanish; B.Mus.—(1) Engl., (2) Latin or a modern language, (3) Algebra, (4) Geometry, (5) one of Biology, Chemistry, Physics, (6) History or a second foreign language; LL.B. —as for B.A. or B.Sc., and completion of ten classes of the Arts course; M.D., C.M. and D.D.S.—As for B.A. or B.Sc., and completion of the following ten Univ. classes: Engl. 1, Philos. 1, Maths. 1, Chem. 1, 2, 4, Physics 1, Biol. 1, Zool. 2, and an elective, which may be chosen from Hist. 1 or 20 or German 3; B.Sc. (Pharm.)—As for B.A. or B.Sc. *See also* Appendix I.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Com., B.Mus.; 3 yrs., following certain Univ. classes (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.; Psychiatry, 3 yrs.

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, $15-$30 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, $81 ; lab. deposits when required, $30 maximum.

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, Shirreff Hall, Halifax (*Telephone* : 2-2545), erected at a cost of $400,000. Charges approx. $435. Residence for men, accommodating 60. Charges from approx. $171—room only. Catering service for all students. Temporary apartments for 63 married couples.

STUDENTS' HEALTH SERVICE AND PHYSICAL TRAINING. All students are required to submit to an annual medical examn. at beginning of session. The Students' Health Service provides for this examn. and for medical services for minor ailments.

A modern Gymnasium 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.

## THE YEAR 1951–52

BENEFACTIONS. $65,220.

RETIREMENTS. Prof. R. J. Bean (Histol. and Embryol.) ; Prof. H. W. Schwartz (Diseases of the Eye, Ear, Nose and Throat) ; Prof. W. W. Woodbury (Orthodontics).

RESIGNATIONS. Prof. M. M. Hoffman (Res. Med.) ; Assoc. Prof. J. H. Fodden (Pathol.) ; Assoc. Prof. N. S. Skinner (Med.) ; Assoc. Prof. R. H. Stoddard (Dis. Eye, Ear, Nose and Throat) ; Asst. Prof. C. E. Corliss (Histol. and Embryol.) ; Asst. Prof. Marion Pennington (Nursing), apptd. to World Health Organization as Consultant in Pub. Health Nursing to Govt. of Turkey ; J. Spitzer (Physiol.) ; P. Loder (Radiol. Anat.) ; Jean M. Lawson (Obstet. and Gynæcol.) ; A. W. Golfman (Pathol.) ; B. Adilman (Pathol.) ; C. F. Fraser (Inst. of Public Affairs), apptd. Econ. Consultant to C.P.R., Montreal ; H. L. Scammell (Registrar and Executive Asst. to President), apptd. Executive Asst., Workmen's Compensation Bd. for Province of Nova Scotia.

HONORARY DEGREES. *LL.D.*—Hon. L. W. Douglas, former U.S. Ambassador to the Court of St. James ; R. M. Dawson, Prof. of Pol. Econ., Univ. of Toronto ; C. M. MacInnes, Prof. of Imperial Hist., Univ. of Bristol ; E. W. R. Steacie, President National Research Council of Canada ; O. M. Solandt, Chairman, Defence Res. Bd. ; G. F. Curtis, Dean, Univ. of British Columbia Law Sch. ; E. N. Griswold, Dean, Harvard Univ. Law Sch. ; Hon. V. C. MacDonald, Judge of the Supreme Court of Nova Scotia ; Hon. I. C. Rand, Judge of the Supreme Court of Canada ; A. Taschereau, President of the Canadian Bar Association ; N. A. M. MacKenzie, President, Univ. of British Columbia ; W. W. Woodbury, Professor Emeritus, Dean of Faculty of Dentistry, Dalhousie Univ., 1935–47.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 21 | 1126 |
| Women | 7 | 288 |
| Total | 28 | 1414 |

Postgraduate students, 60.
New admissions, 391.

DEGREES. B.A., 71 ; B.Sc., 47 ; B.Sc. (Eng. Physics), 0 ; B.Comm., 34 ; B.Mus., 0 ; B.Ed., 7 ; LL.B., 56 ; M.D., C.M., 53 ; D.D.S., 12.

DIPLOMAS. Educn., 18 ; Lic.Mus., 2 ; Engineering, 17 ; Pharmacy, 123 ; Public Health Nursing, 9 ; Teaching and Supervision in Schools of Nursing, 4 ; Food Technology, 2.

[*Information compiled as at* 31/7/53.]

# UNIVERSITY OF KING'S COLLEGE

Founded 1789, Royal Charter 1802

*Postal Address*: Halifax, Nova Scotia, Canada.
*Telephone*: Halifax 3-7497.

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE LORD BISHOP OF NOVA SCOTIA.

VICE-CHAIRMAN OF THE BOARD OF GOVERNORS—THE BISHOP OF FREDERICTON.

CHANCELLOR—Col. The Hon. RAY LAWSON, O.B.E., LL.D. Tor., W. Ont. and Miami, D.Cn.L.

PRESIDENT AND VICE-CHANCELLOR—Rev. Canon A. STANLEY WALKER, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu.

DEANS—*Divinity*—Rev. J. H. A. HOLMES, M.A., D.D.; *Dean of Men and Registrar*—Rev. H. E. DYSART, B.A.; *Dean of Women*—Mrs. MURIEL PARKE-TAYLOR.

TREASURER—W. WOOD.

SECRETARY—Mrs. WILLIAM WOOD.

LIBRARIAN—J. B. MARTIN, M.A., Ph.D.

## TEACHING STAFF

*Divinity*—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu. (Ch. Hist., Homiletics, and Moral Theol.), Pres.; Holmes, Rev. J. H. A., M.A., D.D. (Dogmatics, Eccl. Polity and Ch. Hist.), Dean; Clarkson, Canon W. W., B.S.Litt., L.Th. (Hebrew and Gk. Test.), Lectr.; Prince, Rev. S. H., M.A. Tor., Ph.D. Col. (Apologetics and Comp. Religion), 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.; Granter, H. S., Sessnl. Lectr. in Hist.

*Journalism* (in association with Mount Saint Vincent College and St. Mary's University)—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu., Pres., Chairman, Board of Governors; Doyle, F. W., Director of Studies; Lectrs.: Vaughan, R.; O'Connell, B.; Allen, G.; Sister Maura; Livingston, M.; Donohoe, E. F.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Librarians: Miss Zaidee Harris, Mrs. J. S. Simonson. Supervisor of Domestic Staff: Mrs. Mary McRitchie. Chaplain: Canon E. Malone, M.A., D.D.

## GENERAL INFORMATION

Opened in 1789 at Windsor, N.S., the University was established by Provincial Statute and granted a Royal Charter by King George III in 1802. In Sept. of 1923 King's removed to Halifax and became associated with Dalhousie University, as far as Arts and Science are concerned. The academic facilities in Arts and Science are shared by the students of both Universities for the time being, but King's retains complete control of her Divinity School, as well as of her present endowments, administration of residences and all internal matters. Under the terms of the agreement between Dalhousie and King's, the University was re-established in Halifax by means of private subscriptions and with the financial aid of the Carnegie Corporation, which endowed the teaching of Liberal Arts. The new buildings, costing $450,000, were opened for the session 1930–31. The University is governed by a Board consisting of the Bishops of the dioceses of Nova Scotia and Fredericton, the President and the Treasurer of the University, *ex officio*, together with 10 members elected by the Alumni Association, 8 elected by the diocesan Synods, and 4 co-opted by the Board.

FACULTIES AND DEANS, v. p. 728.

LIBRARY. About 30,000 volumes. The library has some forty incunabula and a fair number of illuminated mediæval MSS. It is particularly rich in books of the 18th century, when the College was founded. The Library specializes in Divinity and Arts, although other fields are also represented. It has also a very fine collection of United Empire Loyalist china, which was collected in 1880 by Mrs. Weldon, a daughter of Thomas Chandler Haliburton, to mark the centenary of the landing of the Loyalists in the Saint John River Valley.

DEGREES. The degrees granted by King's in the Faculty of Divinity are the Bachelor of Sacred Letters (B.S.Litt.), the B.D. and the D.D.; diplomas of Licentiate of Theology and Scholar of Theology are also awarded. There is no provision for external degrees. The language of instruction is English. King's also is a partner in a School of Journalism in association with two other local Universities. Dalhousie Univ. awards the degrees in Arts and Science only.

SCHOLARSHIPS. There are 6 or more Foundation Scholarships on entrance, worth $600 each, and 5 or 6 Chancellor's Scholarships of the value of $1600 each, the latter being provided for boys who wish to enter business.

ADMISSION. The minimum entrance requirements are either the Grade XI examinations of the Provinces of Canada, provided the certificate covers English, two foreign languages (Latin is required for Arts), History, Algebra,

Geometry and a Science, or the matriculation examinations of any recognized Univ., providing the same subjects are offered. Overseas students are granted *pro tanto* recognition in certificates, which they offer on entrance. *See also* Appendix I.

PUBLICATION. *Calendar* (annual).

## THE YEAR 1951–52

NEW DEPARTMENT. Diction and Voice Production.

HONORARY DEGREES. *D.Cn.L.*—Rev. A. E. Coleman; Judge H. L. Palmer.

STUDENT NUMBERS. Total (full-time), 149 (116 men, 33 women.) New admissions, 42.

DEGREES. B.S.Litt., 1.

DIPLOMAS. L.Th., 5.

[*Information compiled as at July* 1953.]

# LAVAL UNIVERSITY *

Founded 1852

*Postal Address*: Rue de l'Université, Quebec, P.Q., Canada.
*Telephone*: 2-1518.

ROYAL VISITOR AND CHANCELLOR APOSTOLIC—THE ROMAN CATHOLIC ARCHBISHOP OF QUEBEC, H.E. Mgr. MAURICE ROY, O.B.E., D.Th., D.Ph.

RECTOR MAGNIFICUS—Mgr. FERDINAND VANDRY, C.M.G., D.Th., L.Ph.

VICE-RECTOR AND MODERATOR—Mgr. A. M. PARENT, D.Ph. Louvain, D.Th.

SECRETARY GENERAL—Rev. ROBERT DOLBEC, L.Sc., L.Ph., L.Zool.

ASSISTANT SECRETARY—Rev. JACQUES GARNEAU, L.Ph., L.Th.

TREASURER—Mgr. ROCH ROCHETTE, B.A.

DIRECTOR OF STUDENTS—Rev. J.-C. RACINE.

LIBRARIANS—Rev. J. M. BLANCHET, B.A., B.Ph.; ANTONIO DROLET, B.A.

ARCHIVIST—Rev. ARTHUR MAHEUX, O.B.E., L. ès L. Paris, D.Th., M.A.

## TEACHING STAFF

*Accounting*

Boulanger, M. — Asst. Prof.

*Administration*

Samson, M. — Prof.

*Agriculture*

Professors

Campagna, E., B.S.A., D.Sc.
Chevrette, J. E., B.S.A., D.Sc. Corn.
Diament, J., L.Ph., L.Sc.
Gagné, C., B.S.A., M.Sc. Corn.
Jean, F. X., M.Sc. Corn., L.Ph.
Pineau, M.-A., L.Sc., B.Sc.App., D.Sc. Montpellier.
St.-Pierre, M., B.S.A., D.Sc. Corn.
Scott, A., M.S.A. Tor.
Bérubé, L., B.A., B.S.A.

Assistant Professors

Alarie, A., B.S.A., D.Sc. McG.
Anctil, J.-A., B.Sc.App., L.Sc.
Bégin, P., B.S.A., M.Sc. Wis.
Bernier, P.-E., B.S.A.
Bourque, L., B.S.A., M.Sc. McG., D.Sc. Corn.
Duncan, J., B.S.A., M.Sc. McG.
Dupuis, L. A., LL.B.
Fortin, L. de G., B.S.A., M.Sc.
Gaudette, G., B.S.A., M.Sc. Corn.
Gauthier, G., B.S.A., M.Sc. Corn., D.Sc.Nat.
Giasson, A., B.S.A., L.Ph.
Jean, Yves, B.A., B.Sc. App.
Mailloux, A., B.S.A., L.Sc. Montr.
Pelletier, J. R., M.Sc. McG., L.S.A.
Proulx, M., B.S.A.
Sirois, A., B.S.A.

Instructors

Caron, L., B.A., B.S.A.
Delisle, R., B.A., I.F.
Ducharme, L., B.S.A.
Gagnon, R., B.S.A.

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

Gauthier, A., B.S.A.
Labrecque, P., B.S.A., M.Sc. Ames.
Guimond, A., M.Sc. McG., B.S.A.
Mercier, L.-P., B.S.A.
Villeneuve, C.-O., B.A., I.F., Ph.D. Yale.
Beaudoin, R., B.S.F.
Ouellette, G.-J., B.S.A., Ph.D. Wis.
Baril, R., B.S.A., L.S.A. Montr., M.Sc. Corn.
Bélanger, M., B.S.F.
Dessureaux, L., B.S.A., M.Sc., Ph.D. Wis.
Choinière, L., B.S.A., M.Sc.
Théberge, J.-M., B.S.A.

*Anatomy*, v. Med.

*Apologetics*

Drouin, M., L.Ph., B.Th. Prof.
Bergeron, M. M., L.Th. Instr.

*Astronomy*

Benoit, R., L.Ph., L.Th., L.D.C. Prof.
Pouliot, E., A.G. Asst. Prof.

*Biochemistry*, v. also Med.

Bois, E., D.Sc. Frib. Prof.
Jean, M., B.A., B.Sc.App. Asst. Prof.

*Biology*, v. also Med.

Professors

Tremblay, J.-L., B.Sc.App., D.Sc., Dip.Biol. Stras.
Dolbec, Rev. R., L.Ph., L.Sc., L.Zool.
Bernard, R.. B.Sc.App., M.Sc., Ph.D. Corn.
Corriveault, G. W., B.S.A., M.Sc.
Gagnon, A., L.Sc.

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.
Bourbeau, G., B.Pharm., L.Sc.
Desmarais, Y., L.Sc., Ph.D.

Instructors

Brassard, A., D.Sc.
Duguay, J., A.G., I.F., M.Sc. Mich.

*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.Sc. Paris, D.Ph., D.I.C.
Giguère, P.-A., B.Sc.App., D.Sc.
Gravel, L., B.Sc.App., D.Sc.
Ouellet, C., B.Sc.App., D.Sc. Zür.
L'Écuyer, P., B.Sc., D.Phil. Oxon., B.Sc.App.
Risi, J., D.Sc. Frib.

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.
Huot, G. L., B.Sc.App., M.Sc.

*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.).

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.).
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.).
McBriarty, W. J., M.A. (Engl.).
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).
Leclerc, C. E., LL.L. (Law).
Morin, W., LL.L. (Law).
Routhier, A., LL.D. (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.).
Vallières, G., B.Sc.App. (Sci.).
Ouellet, R., L.Sc.Com. (Span.).
Marc-André, Br., B.Péd., L.Ph.

*Dentistry*, v. Med.

*Drawing (Mechanical)*

Désy, J. R. A. Asst. Prof.
Paré, C. Instr.

*Ecology*

Rousseau, L. Z., A.G., I.F. Prof.
Desmarais, Y., L.Sc., Ph.D. Asst. Prof.

*Economics*, v. also Social and Polit. Econ., Sch. of Commerce, and Soc. Sciences

Lussier, O., LL.L., I.F., D.Sc.For. Prof.
Bilodeau, C., LL.L. Asst. Prof.
Wilson, J. O., M.A., Dipl.For. Oxon. Asst. Prof.

*Education*

Professors

Éthier, W., D.Ph. Rome.
Miville, R., B.A., L.Ph., L.Psych.
Tremblay, A., M.A.Ed. Harv., L.Sc.Soc.
Lockquell, C., D.Ph., B.Péd.
Alfred, Br., L.Sc.Com.
L'Archevêque, P., D.Péd. Asst. Prof.

Instructors

Audet, L.-P., B.Péd., L.Sc.
Babin, E., D.Ph. Notre-Dame.
Barbeau, M., L. ès L.
Bergeron, G.-A., M.D.
Bilodeau, C., LL.L.
Cantin, S., D.Ph.
Decœne, Canon A., D.Ph., D.Th. Louvain.
Deschamps, P., B.A., L.Péd.
Lauzon, M., L.Th., L.D.C., L.Sc.Soc.
Lebel, M., B.A. Oxon., L. ès L.
Gauthier, G., B.A., Ph.D.
Joly, R., L.Ph., M.A.

*Elocution*

Mordret, J., B.A. Paris — Asst. Prof.

*Engineering*

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. — Prof.
Joncas, L., B.Sc.App., I.C., A.G. — Asst. Prof.

*Engineering, Chemical*

Cholette, A., B.Sc.App. McG., M.Sc., Ph.D. M.I.T. — Prof.
Grenier, P., B.Sc.App., M.Sc. — Asst. Prof.

*Engineering, Electrical*

Professors

Sarault, G. E., B.Sc.App., I.E. McG.
Bricout, P., I.P. Paris, L.Sc.Math., D.Sc. Paris.
Kœnig, H. P., D.Sc. M.I.T.

Assistant Professors

Boulet, L., B.Sc.App., M.Sc.
Wermenlinger, D., B.Sc.App.
Wildi, T., B.Sc.App.
Swift, L., B.Sc.App., I.E. McG. — Instr.
Vaillancourt, E. — Asst.

*English*

Professors

Abel, G., B.A.
Falardeau, A., B.A.
Robert, G., B.A., B.Th.

Assistant Professors

Mackey, W., M.A.
Porter, E., A.G., I.F.
Lesage, J., B.A.

*Entomology*

Maheux, G., D. ès Sc. Montr., M.A., L.S.A., I.F. — Prof.
Daviault, L., L.S.A., M.Sc. McG., D.Sc. Montr. — Asst. Prof.

*Folklore*

Professors

Lacourcière, L., L. ès L., B.A.
Savard, Mgr. F.-A., B.A.

Assistant Professors

Barbeau, M., LL.L., D. ès L.
Doyon, Madeleine, B.A.

*Forestry*

Professors

Bédard, A., M.A., I.F., M.F. Yale, D.Sc.For.
Bourget, M. A., A.G., I.F.
Guay, E., I.F.
Lussier, O., LL.L., I.F., D.Sc.For.
Rousseau, Z., A.G., I.F.

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Bernier, G.-H., A.G., I.F.
Pomerleau, R., B.S.A., M.Sc. McG., D.Sc.
Wilson, J. O., M.A., Dipl.For. Oxon.
Richard, A., I.F., M.Sc., Ph.D. Corn.
Barrette, G., B.Arp., I.F.
Deschamps, R., I.F., B.Arp.

Instructors

Lamothe, G., B.Sc.App., I.C.
Linteau, A., M.Sc.For. Yale, I.F.
Matte, L., D.Sc. Duke, I.F.
Deltour, P., D.Sc. Louvain.
Lafond, A., Ph.D. Wis., I.F.

*French Lang. and Lit.*, v. also Modern Langs.

Professors

Talbot, L., L. ès L., L.Th.
Bégin, E., L. ès L. (Fr. Lit.).
Lacourcière, L., L. ès L. (Fr. Lit.).
Laliberté, M., L. ès L. Paris, M.A. (Fr. Lit.).
Auger, J. C., L. ès L.
Potvin, P., L. ès L.
Savard, F. A., B.A.
Jobin, A., L.Th.
Lapointe, Jeanne, L. ès L.
Garneau, B., L. ès L., L.Th.

Assistant Professors

Fontaine, H., L.Ph., L. ès L.
Bernier, J., L. ès L.

Instructors

Valin, R., L. ès L.

Thibault, A., M.A. Harv., L. ès L. Paris.
Lemaître, H., D.Litt.

*Geography*
Roy, J. M., D.Geo. Grenoble Prof.
Biays, P., L.H. & G. Instr.

*Geology and Mineralogy*
Professors
Faessler, C., D.Sc. Frib.
Laverdière, J. W., D.Sc. Lille, M.A.
Dufresne, A.-O., M.Sc. McG.
Auger, P.-E., B.Sc.App., B.Sc. Qu., D.Sc. M.I.T.
Assistant Professors
Richard, A., I.F., M.Sc., Ph.D. Corn.
Béland, R., B.Sc. Qu., M A., Ph.D. Tor.

*Greek*
Professors
Beaudry, Canon E., B.A.
Lebel, M., B.A. Lond., L. ès L.
Marcotte, A., L. ès L.
Thomassin, Mgr. R., B.A.
Instructor
Dumouchel, G., L. ès L., L.Th.

*Gregorian Chant*, v. also Music and Theol.
Letarte, M., B.A. Asst. Prof.
Instructors
Biron, F., B.A.
Brochu, L., B.A.
Fortier, E., B.A.

*History (General)*
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Maheux, A., L. ès L. Paris, M.A., D.Th.
Simard, A.
Assistant Professors
Baillargeon, N., L.Th.
Demers, G. E., L.Ph.
Bernier, J., L. ès L.
Trudel, M., D. ès L.
Instructors
Dulong, G., L. ès L.
Latreille, A., D. ès L. Paris.
Pattee, R., M.A. C.U.A.
Rambaud, A., L. ès L., LL.L., Ag.H. Paris.
Roy, A., D. ès L. Paris.

*History of Canada*
Beaudry, Canon E., B.A. Prof.
Trudel, M., D. ès L. Asst. Prof.
Provost, H., L.Th., L.Ph. Asst. Prof.

*Household Science*
Instructors
Ste-Thérèse-de-la-Foi, Sr., M.Sc.
Ste-Eugénie-de-la-Foi, Sr., B.Sc. Dom.
Ste - Marie - Solange, Sr., B.Sc. Dom.
Langlois, M., M.D.
Gauvrau, J. M., D.Sc. Soc.
Abel, G., B.A.
Tousignant, Constance, B.Sc.App.
Ste-Marguerite-du-Précieux-Sang, Sr., B.Péd.
Boucher, Monique, L.Sc. Soc.
Michaud, Lorraine, M.Sc.
Ste-Marthe-du-Sauveur, Sr., B.A.
Ste-Madeleine-de-Galilée, Sr.
Ste-Jeanne-de-Jésus, Sr., B.Sc. Dom.

*Latin*
Professors
Beaulieu, H. A., L. ès L.
Lechevalier, J., Chev. Lég. d'H., L. ès L., Ag. ès L. Paris.
Garneau, B., L. ès L., L.Th.
Gravel, L.-P., B.A.
Lamarre, P. H., L. ès L. Asst. Prof.

*Law*, v. *infra*

*Legislation*
Lemieux, A., LL.L. Prof.

*Mathematics*
Professors
Barrette, G., B.A.

Benoît, 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., Ph.D. Harv.
Laliberté, L., B.A.
Porter, E., A.G., I.F.
Dupré, A., M.A., M.Sc. Montr.
de Vogelaere, R., I.C., D.Sc. Louvain.
Denis, B., L.Sc.
Deslauriers, C. E., B.Sc.App.
Bonneau, L. P., B.Sc.App.
Krieger, S., D.Sc.

Instructors
Drolet, J.-P., B.Sc.App.
Matte, L., I.F., D.Sc. Duke.
Krieger, A., B.Sc.App.

*Medicine*, v. *infra*

*Meteorology*
Bellefeuille, R., B.Arp., I.F., L.Sc. Asst. Prof.

*Mining and Metallurgy*

Professors
Letendre, G., B.Eng. McG., Ph.D. Lond.
Archambault, M., I.C.
Dufresne, A. O., M.Sc. McG.
Royer, M., B.Sc.App., I.C. Montr., B.Sc. M.I.T.
Waddington, G. W., B.Sc.App. Br. Col.
Walsh, B. J., B.Sc. Qu.
Potvin, R., B.Sc.App., I.C. Montr., B.Sc. M.I.T.
Garneau, J. B., F.C.I.C. Asst. Prof.

Instructors
Jones, I. W., B Sc.App. Alta., Ph.D. Tor.
Larochelle, E., B.Sc.App., I.C.

*Modern Languages*

Professors
Belleau, J., LL.L.
Lacerte, Mrs. Jean, D. ès L. Madrid.

Instructors
Patry, A., L.Sc.Soc.
Pattee, R., M.A. C.U.A.

*Music*

Professors
Gagnon, H.
Talbot, R., Mus.D.
Destroismaisons, L., B.A.
Letourneau, O.
Lapointe, P.-C., B.Mus.
Vallières, H.
Mercure, H.
Gravel, L.
St-Hilaire, A.
Leblanc, A., L.Mus.
Bélanger, E.
Klimoff, C.
Pouliot, O.
Turgeon, J., B.A.
Cayouette, M.
Brassard, F.-J.

Assistant Professors
Vézina, R.
Larochelle, E.
Letarte, M., B.A.

Instructors
Beaudet, J., B.A.
Bussières, J.-M.
Darisse, G., B.M.
Fortier, E.
Letourneau, P.
Landry, Jeanne.

*Philosophy*

Professors
Grenier, Mgr. H., D.Th., D.Ph., D.D.C. Rome.
Gosselin, P. E., L.Ph.

de Koninck, C., D.Ph. Louvain.
Parent, Mgr. A.-M., D.Ph. Louvain, D.Ph.
Gaudron, E., D.Ph. Louvain.
Cantin, S., D.Ph.
Robert, P., M.A., D.Ph.

Assistant Professors
Albert, G., D.Th. Rome.
Giroux, A., L.Sc. Soc., L.Th.
Babin, E., D.Ph. Notre-Dame.
de Monléon, J., L.Ph. Paris.
Kolnai, A., D.Ph. Vienna.
Dionne, M., L.Ph., L.Th.
Simard, E., L.Ph., L. ès L.
Trépanier, E., L.Ph.
Morin, C. H., B.Ph., L.Th.
Drouin, M. J., L.Th., 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.
Côté, A., L.Ph.
Roland, E., LL.D.
St.-Jacques, A., L.Ph.
Gouhier, H.

*Phonetics*
Lacerte, Mrs. Jean, D. ès L. Madrid Asst. Prof.
Doyon, Madeleine, B.A. Asst. Prof.

*Physics*
Benoit, R., L.Ph., L.Th., L.D.C. Prof.
Kœnig, H. P., D.Sc. M.I.T. Prof.
Persico, E., D.Sc. Rome Prof.
Osborne, E. F., B.Sc.App., M.Sc., Ph.D. Yale Prof.

Assistant Professors
Joncas, L., B.Sc.App., I.C., A.G.
Boivin, A., B.Sc.App., M.Sc.
Bonenfant, F., B.Sc.App., M.Sc.
Geoffrion, C., B.Sc.App., M.Sc.
Hall, G., B.Sc.App., M.Sc.
Kerwin, L., B.Sc.App., D.Sc.

Instructor
Fremont, C., B.Sc.App., M.Sc.

*Physiology*, v. *Med.*

*Religion*
..... Prof.
Rochette, Mgr. R., B.A. Prof.
Foy, C., D.Th. Instr.

*Social and Political Econ.*
Grégoire, J. E., LL.D., L.Sc. Écon. et Soc., L.Sc. pol. et dip. Louvain Prof.
Bilodeau, C., Dip. Ec. Pol. Sci. Oxon., LL.L. Asst. Prof.

*Social Sciences*

Professors
Lévesque, G. H., L.Th., Dip. Sc. soc. pol. Lille (Econ.).
Guimont, P. H., L.Sc.Com., 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.).
Tremblay, M., L.Sc.Soc., M.A. Harv. (Sociol.).
Tremblay, G., L.Ph.
Faucher, A., M.A. Tor., L.Sc.Soc.
Bélanger, G., L.Th., L.Sc.Soc. C.U.A.

Assistant Professors
Despres, J. P., D.Sc.Soc. (Indust. Relations).
Hudon, L.-E., L.Ph., L.D.C., D.Th. (Sociol.).
Guérard, J. M., LL.L.
Denault, Hayda.
Maher, T., I.F.

Lussier, D., L.Sc.Soc.
Paré, Simone, L.Sc.Soc.
Poznanski, T., D.Sc. Berne.

Instructors
Beaulieu, M. L., LL.D., Ph.L.
Pigeon, L.-P., LL.L.
Fortier, de la Broquerie, M.D.
Laliberté, M. P., B.A.
Morisset, Thérèse.

*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. Asst. Prof.

*Zoology*
Dolbec, R., L.Sc., L.Ph., L.Zool. Prof.

**Law**

v. also Accounting

*Admin. and Const. Law*
Duval, A., LL.L. Prof.
Pigeon, L.-P., LL.L. Prof.

*Aviation Law*
Morin, W., LL.L. Instr.

*Bibliography*
Lortie, L., LL.L. Instr.

*Civil Law*
Gagné, J. A., LL.D. Prof.
Hudon, G., LL.L. Prof.
Pratte, Judge G., LL.L. Prof.
Turgeon, J., LL.L. Asst. Prof.
Gagné, M., LL.L. Instr.

*Commerc. and Marit. Law*
Bouffard, Hon. P.-H., LL.L. Prof.
Gravel, J.-P.-A., LL.D. Prof.
St.-Laurent, Rt. Hon. L., LL.D. Prof.

*Company Law*
Taschereau, A., LL.L. Prof.

*Criminal Law*
Lacroix, G., L.Ph., LL.L. Prof.

*History of Law*
Pelland, Léo, LL.L, L.Ph. (and Introduction to study of Law) Prof.

*International Law*
Langlais, A., LL.D. Prof.

*Municipal and Educational Law*
Gagnon, Hon. O., LL.D. Prof.
Prévost, Y., LL.L. Asst. Prof.

*Parish Law*
Giroux, G.-M., LL.D. Prof.

*Procedure, Civil*
Professors
Choquette, F., LL.L.
Rivard, A., LL.L.
Turgeon, H., LL.L.
Assistant Professor
Alleyn, R., LL.L.
Instructors
Dorion, N., LL.L.
Doucet, J. L., LL.L.
Gosselin, E., LL.L.
Labrèque, A., LL.L.
Letarte, P., LL.L.
Thibaudeau, R., LL.L.

*Roman Law*
Routhier, A., LL.D. Prof.
Bonenfant, J. C., B.A., LL.L. Instr.

*Taxation Law*
Letourneau, R., LL.L Prof.

**Medicine**

*Adaptation*
Dugal, L.-P., L.Sc., D.Ph. Penn. Prof.
Desmarais, A., D.Sc. Asst.
Fortier, G., L.Th., L.Ph., D.Sc. Asst.
Thérien, M., D.Sc. Asst.

*Anæsthesia*
Hudon, F., M.D. Prof.
Jacques, A., M.D. Asst. Prof.
Paquet, A., M.D. Asst. Prof.
Assistant
Paradis, B., M.D.

*Anatomy*
Jobin, P., M.D. Prof.

Assistant Professors
Caron, W., M.D.
Lemieux, J.-M., M.D.
Larochelle, J.-L., M.D.

Assistants
Michaud, J. T., M.D.
Turcot, J., M.D.
Mercier, A., M.D.
Royer, L., M.D.
Dupuis, P., M.D.

*Bacteriology*
Morin, J. E., M.D. Prof.

*Biochemistry*
Gingras, Rosaire, M.D. Prof.
Gaudry, R., D.Sc. Prof.
Pagé, E., L.S.A., D.Ph. Corn. Prof.

*Biology*
Giroux, M., M.D. Prof.
Potvin, A. R., M.D. Prof.
Gagnon, A., B.Sc.App. Instr.

*Chemistry*
Marcoux, H., M.D. Prof.
Gaudry, R., D.Sc. Prof.

*Demography*
Parrot, P., M.D. Instr.

*Dentistry*
Assistant Professors
Déry, A., D.Dent.
Hamel, J., D.Dent.
Hamel, P., D.Dent. Asst.
Langlois, R., D.Dent. Asst.

*Deontology and Medical Econ.*
Gauthier, C. A., M.D. Prof.

*Dermatology*
Gaumond, E., M.D. Prof.
Beaudry, M., M.D. Asst. Prof.
Grandbois, J., M.D. Asst.

*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.
Demers, F. X., M.D. Asst. Prof.

*Hygiene*
Grégoire, J., M.D., D.H.P. Johns H. Prof.
Foley, A. R., M.D., D.H.P. Johns H. Asst.
Sylvestre, J. E., M.D., D.H.P. Tor. Asst.

Instructors
Gilbert, J., M.D., D.H.P. Tor.
Bellemare, B., M.D.
Claveau, P., M.D.

*Legal Medicine*
Desrochers, G., M.D. Prof.
Martin, C. A., M.D. Asst. Prof.

*Materia Medica*
Lessard, R., M.D. Prof.

*Medical History*
Leblond, S., M.D. Prof.

*Medicine, Clinical*
Professors
Caron, S., M.D.
Desmeules, R., M.D.
Desrochers, G., M.D.
Jobin, J.-B., M.D.
Laliberté, H., M.D.
Leblond, S., M.D.
Lemieux, R., M.D.
Lessard, R., M.D.
Nadeau, H., M.D.
Paquet, B., M.D.

Larochelle, L. N., M.D.
Martel, A., M.D.
Rousseau, L., M.D.

Assistant Professors
Drouin, G., M.D.
Dugal, J. P., M.D.
Racine, G., 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.
Painchaud, C. A., M.D. Asst. Prof.
Pelletier, A., M.D. Asst.
Sirois, J., M.D. Instr.

*Nutrition*
Page, E., D.Sc. Prof.
Babineau, L.-M., B.Sc.App. Asst.

*Ophthalmology*
Pichette, H., M.D. Prof.
Lacerte, J., M.D. Prof.
Audet, J., M.D. Asst. Prof.
Pelletier, J. E., M.D. Asst. Prof.

*Orthopædics*
Roger, J.-P., M.D. Asst. Prof.
Roy, L.-P., M.D. Asst. Prof.
Pouliot, A., M.D. Asst. Prof.

*Oto-Rhino-Laryngology*
Painchaud, P., M.D. Prof.
Larochelle, P., M.D. Asst. Prof.
Pelletier, E., M.D. Asst. Prof.
Hallé, J., M.D. Asst. Prof.
Letarte, F., 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.

*Pathology, General*
Auger, C., M.D. Prof.

*Pathology, Medical*
Fortier, E., M.D. Prof.
Paquet, B., M.D. Prof.
Larochelle, L. N., M.D. Prof.
Rousseau, L., M.D. Prof.
Drouin, G., M.D. Asst. Prof.

*Pathology, Surgical*
Trempe, F., M.D. Prof.

*Pharmacy*
Marquis, A., B.Pharm. Prof.
Cliche, E., D.Pharm. Paris Prof.
Bourbeau, G., L.Sc., B.Pharm. Asst. Prof.

*Phthisiology*
Desmeules, R., M.D. Prof.

*Physiology*
Blanchet, R., M.D. Prof.
Bergeron, G. A., M.D. Prof.

*Physiotherapy*
Gaumond, E., M.D. Prof.
Perron, E., M.D. Prof.
Gosselin, J., M.D. Asst. Prof.
Payeur, L.-R., M.D. Asst. Prof.
Samson, M., M.D. Asst. Prof.

*Radiology*
Perron, J. E., M.D. Prof.
Potvin, A. R., M.D. Prof.
Gosselin, J., M.D. Asst. Prof.
Payeur, L.-R., M.D. Asst. Prof.
Lessard, R., M.D. Asst.

*Surgery, Clinical*

Professors
Petitclerc, J.-L., M.D.
Poliquin, P. A., M.D.
Roy, F., M.D.
Trempe, F., M.D.
Vézina, C., M.D.
Auger, G., M.D.

Assistant Professors
Lavergne, N., M.D.
Lemieux, J. M., M.D.
Roger, J. P., M.D.

Samson, E., M.D.
Caron, W., M.D.

Assistants
Gagnon, G., M.D.
Giguère, A., M.D.
Lavoie, J., M.D.
Leclerc, L. P., M.D.
Turcot, J., M.D.

*Therapeutics*
Lessard, R., M.D. Laval and Paris Prof.
Delage, J. M., M.D. Instr.

*Urology*
Bédard, A., M.D. Asst. Prof.

**Theology**

Professors
Vandry, Mgr. F., L.Ph., D.Th. (Dogmatic T.).
Lemieux, E., L.Ph., D.Th. (Ascetical T. and Liturgy).

Associate Professors
Lacouline, P., D.Th.
Petit, G., D.D.C.
Dionne, M., L.Ph., L.Th.
Mathieu, A., D.Th.

Instructors
McNicoll, Mgr. J. O., D.D.C. Rome, D.Th., L.Ph.
Beaudet, R., L.Th.
Crépeault, P.-E., L.Th.
de Monléon, J., L.Ph. Paris.
Noël, L., L.Th.
Gagné, H., Ph.D. Tor., L.Th.
Fortier, E., B.Th.
de Koninck, C., D.Ph. Louvain.
Morisset, B., L.Th.
Ledit, J., D.H. Rome.
Beaumont, H., L.Th.
Ibranyi, Mgr. F., D.Ph., D.Th.
Fortier, J. M., L.Th.

## ADMINISTRATIVE AND OTHER STAFF

Appts. Officer: A. Patry, L.Sc.Soc. Chaplains: A. Falardeau, B.A.; R. Lavoie, L.Th. Dir. of Health Service: P. Jobin, M.D. Dir. of Univ. Press: H. Gagné, D.Ph. Tor., L.Ph. Dir. of Students' House: M. Laliberté, L. ès L. Paris, M.A. (Fr. Lit.). Dir. of Exterior Relation Service: J. M. Martin, L.S.A. Montr., M.S.A. Corn.

## AFFILIATED INSTITUTIONS

"Affiliation" or—in the case of an institution outside the provinces of Quebec and Ontario—"agrégation" involves control by the Univ. of programmes and examinations.

ÉCOLES D'INFIRMIÈRES. 14 schools affiliated.

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 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, 275,201 vols.; others, 899,089 vols. GENERAL MUSEUM: Director: A. Jobin. LABORATORIES: Chem., Phys., Bact., Biol., Physiol., Anat., Pathol., Clinic., Physio-pathol., Biochem., Bot., Mineral., Geol., Optics, Hygiene.

FACULTIES AND DEANS *Agriculture*: Prof. F. X. Jean; *Arts*: Canon M. Laliberté; *Commerce*: Bro. Marc-André; *Forestry and Surveying*: Prof. A. Bédard; *Law*: Judge G. Pratte; *Letters*: Mgr. F.-A. Savard; *Medicine*: Prof. C. Vézina; *Philosophy*: Prof. C. de Koninck; *Sciences and Engin.*: Prof. A. Pouliot; *Social Sciences*: Prof. G. H. Lévesque; *Theology*: Prof. E. Lemieux. These Deans are permanent (elected for 3 yrs., but in general re-elected until retirement age or death), and full-time except Judge G. Pratte (permanent but part-time), Prof. C. Vézina, Mgr. F.-A. Savard and Bro. Marc-André (permanent and half-time).

SCHOOLS. *Graduate Studies*: Prof. P. E. Gagnon, Pres.; *Nursing* (14 affiliated Schools), . . . . . Dir.; *Education*, Prof. R. Miville, Dir.; *Music*, Prof. R. Talbot; *Household Science*, Sr. Ste-Thérèse-de-la-Foi, Dir.; *Pharmacy*, Prof. A. Marquis, Dir.; *Social Work*, Prof. G. Poulin, Dir.; *Fisheries*, Prof. J. Diament, Dir.; *History and Geography*, Prof. M. Trudel, Dir.

DEGREES, DIPLOMAS AND TEACHING ACTIVITIES. The Univ. perpetuates the stages by which a Degree was, and still is, reached in the Univ. of Paris. The Baccalauréat ès Arts (B.A.) is not the equivalent of any of the English Degrees, but is an official certificate (recognized by the Govt.) that the student has successfully completed his literary and scientific studies, and is entitled to begin his professional studies in law, medicine, or applied sciences, or the higher studies. It is obtained before he leaves the affiliated Institute, Seminary or College at which he has studied. Students who reach a certain standard in both letters and sciences obtain the B.A. After the B.A. the student may proceed to the Baccalauréat in Theology (3 yrs.); in Philosophy (2 yrs.); in Social Sciences (2 yrs.); in Civil Law (4 yrs.); in Music (2 yrs.); in Pharmacy (3 yrs.); in Surveying (3 yrs.); in Agriculture (4 yrs.); in Medicine (2 yrs.); in Commerce (2 yrs.); in Education (1 yr.); in Applied Sciences (5 yrs.); in Household Sciences (2 yrs.). The course for the Licence covers 3 yrs. after the B.A. in Philos. (L.Ph.); 2 yrs. in Letters (L. ès L.); 3 yrs. in Sciences (L.Sc.); 3 yrs. in Law (LL.L.); 4 yrs. in Theol. (L.Th.); 2 yrs. in Music; 2 yrs. in Social Sciences; 2 yrs. in Education. To obtain the Doctorate it is necessary to support successfully in public a thesis and propositions as in French Univs. The D. en M. or M.D. is granted after 6 yrs.' study, by examn.

The Diploma in Forestry is awarded after 4 yrs.' study in the Faculty of Surveying and Forestry.

The Faculty of Sciences provides a 5 yrs.' course leading to the Baccalauréat in Applied Sciences, or to a Licence and to a Doctorate in Sciences.

The Univ. has granted affiliation to about 70 private schools for boys and girls. At the age of 12 yrs. the children may choose between the primary course, a certificate being granted, after Univ. examn., at the end of the fourth year, and the classical course of the first degree (High School, 4 yrs.), with a

certificate of matriculation at the end of the fourth year. The main difference between the two courses is the teaching of Latin, and the advanced teaching of Mathematics and of History, in the High Schools.

The High School course is given in Schools limited to such a course, or in Colleges and "Séminaires," which give, after the High School course, the teaching usual in Colleges of Arts. In these last institutions Greek is taught for 4 yrs.; Philosophy (theory, history, essays) for 2 yrs.; Latin for 6 yrs.

ADMISSION. *See* Appendix I.

RECOGNITION of the B.A. of Laval is accorded by most European Universities, by Canadian Universities and by most of those of the U.S.A.

FEES for tuition, $300 to $500 p.a., with an extra charge for laboratories.

RESIDENCE. (Fees: $500 p.a.) Students of Theol. reside at the Grand Seminary, Quebec (*Telephone*: 2-4218). The Maison des Étudiants, 49 St.-Joachim St. (*Telephone*: 2-1928), provides accommodation (rooms only) for about 40 male students. Other students live with families approved by the Moderator.

EXTRA-MURAL WORK. Summer courses in Theology, Philosophy, French, English, Spanish, Education, Gregorian Chant, Latin, Natural Sciences, Radio.

USUAL LANGUAGE OF INSTRUCTION: French.

PUBLICATIONS. *Annuaire général, Annual Report, Special Calendars*, for Graduate School, Theology, Law, Medicine, Education and Guidance, Sciences, Philosophy, Social Sciences, Nursing, Music, Letters, Commerce, Agriculture, Social Work, Surveying and Forestry, and Summer Courses. *La Revue de l'Université Laval, Le Laval théologique et philosophique, Le Naturaliste canadien, Le Laval médical, L'Enseignement secondaire au Canada, Pédagogie-Orientation, Cahiers du Cercle Laennec, Revue des relations industrielles, Revue du service social, Le Carabin* (students' paper), publications of the Fac. of Theol., publications of the Fac. of Social Sciences.

## THE YEAR 1951–52

NEW BUILDINGS. School of Surveying and Forest Engineering; School of Commerce.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Henri Gouhier, Paris; Prof. Jacques de Monléon, Paris; Prof. Léopold Palacios, Madrid; Prof. Jean Daric, Paris; Prof. Georges Chaudron, Paris; Prof. Georges Boutry, Paris; Prof. Francesco Piva, Rome; Prof. François Bourricout, Paris; Prof. Raymond-Étienne Paul, Paris; Prof. Jacques Madaule, Paris; Prof. Émile Velter, Paris; Prof. René Savatier, Poitiers; Prof. Pierre Chouard, Paris; Prof. del Regato, Colorado Springs; Dr. Roger Manvell, London.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Wilfrid Leblond, Lisbon; Prof. Alphonse-Marie Parent, Louvain; Prof. Jean-Charles Falardeau, Paris; Prof. Paul-Émile Gagnon, Canberra; Prof. Cyrias Ouellet, France; Prof. Richard Pattee, Coimbra and Fribourg; Prof. Carl Faessler, Zürich; Prof. Luc Lacourcière, France; Prof. Charles Bilodeau, Indo-China.

DEATHS. Hon. Lucien Moraud (Law); Rev. Emmanuel Bourque (Theol.); Dr. Jean-Charles Miller (Med.).

HONORARY DEGREES. *University*—Cardinal James C. McGuigan; Rt. Hon. Louis S. St. Laurent; Hon. Maurice Duplessis; *Theology*—Cardinal

Paul-Émile Léger. *Law*—Hon. Émile Vaillancourt; Hon. Gerard Lacroix; Hon. Lionel Chevrier; Hubert Guérin; Gaspard Boucher; Émile Lemelin. *Medicine*—Dr. Wilder Graves Penfield; Dr. Louis Phaneuf. *Education*—Rev. Sister Marie-des-Anges. *Letters*—Count Robert d'Harcourt; Rt. Rev. Norbert Robichaud; Hon. Cabot Lodge; Rt. Rev. Maurice Baudoux; Rt. Rev. Henri Routhier; Joseph-Rodolphe Hurtubise; Paul Gouin; Miss Marine Leland; Léopold Richer; Mrs. Germaine Guèvremont; Marius Barbeau; Canon Victor Tremblay. *Sciences*—Esdras Minville; Victor Doré; Édouard Montpetit; Henri Goguen; Georges Filteau; René Paré; Dr. L.-O. Beauchemin; Lauré-B. Lussier; Ernest Desormeaux. *Commerce*—Paul Beaulieu; Bro. Palasis, E.C.; Joseph-Édouard Simard. *Surveying*—F.-X.-T. Berlinguet.

NEW DEGREE. Laval University in the past has given the B.A. degree on the basis of Latin and Greek exclusively. In future a B.A. degree will be given for the first part of the degree for Latin and another mod. lang. except English which is already necessary. This B.A. will be called Latin-Sciences.

CENTENARY. During 1951–52 and the first part of 1952–53 Laval University celebrated its Centenary. Representatives from Univs., Learned Societies and Govts. from all over the world have attended the ceremonies. The above honorary degrees were given on this occasion.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 968 | 5262 |
| Women | 765 | 1686 |
| Total | 1733 | 6948 |

Postgraduate students, 145.
New full-time admissions, 2463.

DEGREES. *Theol.*: Bacc., 23; Lic., 15. *Philos.*: Bacc., 15; Lic., 8. *Law*: Bacc., 6; Lic., 43. *Med.*: Doct., 74. *Nursing*: Dip. 257; Cert., 32; Bacc., 1. *Household Sci.*: Bacc., 17. *Educn.*: Cert., 2; Bacc., 22; Lic., 7. *Letters*: Cert., 16; Lic., 93. *Mod. Langs.*: Cert., 37. *Library Sci.*: Cert., 6. *Chem.*: Cert., 1; Bacc., 4. *Mining Engin.*: Bacc., 8. *Phys.*: Bacc., 4. *Chem. Engin.*: Bacc., 9. *Geol. Engin.*: Bacc., 4. *Elect. Engin.*: Bacc., 10. *Biol.*: Bacc., 1. *Maths.*: Bacc., 3. *Mines*: Bacc., 6; L.Sc., 1. *Civil Engin.*: Bacc., 21. *Pharm.*: Bacc., 19. *Agric.*: Bacc., 2. *Fisheries*: Bacc., 4. *Soc. Sci.*: Cert. 11; Bacc., 8; Lic., 7. *Soc. Work*: Bacc., 17; Lic., 16. *Comm.*: Cert., 56; Bacc., 65; Lic., 44. *Forest Engin.*: Bacc., 23. *Surveying*: Bacc., 18. *Every field*: Master's degree, 26; Doctor's degrees (except Med.), 15.

# McGILL UNIVERSITY *

Founded 1821

*Postal Address*: 805 Sherbrooke St. West, Montreal 2, P.Q., Canada.
*Telephone*: Marquette 9181.

VISITOR—H.E. THE GOVERNOR-GENERAL OF CANADA.

CHANCELLOR—BERTIE C. GARDNER, M.C., D.C.L. Bishop's, LL.D.

PRINCIPAL AND VICE-CHANCELLOR—F. CYRIL JAMES, Chev. Lég. d'H., B.Com. Lond., A.M., Ph.D. Penn., D.Sc. Clarkson, D. de l'U. Montr., D.C.L. Bishop's, LL.D. Qu., N.Y., Sask., Manit., Tor., Syracuse, Lond., Ursinus, New Br., McM., Birm., Panj., Camb., F.R.S.C.

DEANS—*Agriculture*—W. H. BRITTAIN, M.S. in Agr., Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.A.I., F.R.S.C.; *Arts and Science*—H. N. FIELDHOUSE, B.A. Oxon., M.A. Sheff., F.R.S.C.; *Dentistry*—D. P. MOWRY, D.D.S., F.A.C.D.; *Divinity*—J. S. THOMSON, M.A. Glas., D.D. Glas., Emmanuel, Tor., LL.D. McM., Manit., Qu., Tor., Wash. State, McG., Alta., F.R.S.C.; *Engineering*—R. E. JAMIESON, O.B.E., M.Sc., P.Eng.; *Graduate Studies and Research*—D. L. THOMSON, B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Middlebury and Aberd., F.C.I.C., F.R.S.C.; *Law*—W. C. J. MEREDITH, Q.C., M.A. Camb.; *Medicine*—G. L. DUFF, M.A., M.D., Ph.D. Tor., F.R.C.P. Can., F.R.S.C.; *Music*—D. CLARKE, M.A., Mus.B. Camb., F.R.C.M., F.R.C.O.

COMPTROLLER AND EXECUTIVE ASSISTANT TO THE PRINCIPAL—S. H. DOBELL, D.S.O.

SECRETARY AND BURSAR—W. BENTLEY, F.C.I.S.

REGISTRAR—T. H. MATTHEWS, M.A. Oxon., LL.D. McM.

ASSISTANT REGISTRARS—VIRGINIA CAMERON, B.A.; W. BRUCE ROSS, M.Sc., Ph.D.

LIBRARIAN—RICHARD PENNINGTON, B.A. Birm., Lib.Dip. Lond.

WARDEN OF THE ROYAL VICTORIA COLLEGE (WOMEN)—MURIEL V. ROSCOE, A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu.

DIRECTOR OF EXTENSION COURSES—F. S. HOWES, Ph.D. Lond., M.Sc., D.I.C.

SUPERINTENDENT OF BUILDINGS AND GROUNDS—R. G. DEFRIES, Ing.E.T.P. Paris.

## INCORPORATED COLLEGES

MACDONALD COLLEGE, Ste-Anne de Bellevue, P.Q. (*Telephone*: Ste-Anne de Bellevue 335), including Faculty of Agric., School for Teachers and School

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

of Household Science. Vice-Principal—W. H. Brittain, M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.A.I., F.R.S.C.

ROYAL VICTORIA COLLEGE, Montreal (the Women's College of the Univ.). (*Telephone*: Marquette 9181.) Warden—Muriel V. Roscoe, A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu.

## TEACHING STAFF

### McGILL COLLEGE (Faculty of Arts and Science)

*Accounting*, v. Commerce, *infra*

*Agriculture*, v. Macdonald College, *infra*

*Anatomy* (*Histology, Embryology*)

Martin, C. P., M.A., M.B., Ch.B., Sc.D. Dub. Reford Prof.
Leblond, C. P., M.D., D.Sc. Paris, Ph.D. Montr. Prof.
Banfill, S. M., B.A. Bishop's, M.D., C.M. Assoc. Prof.
Forster, D. S., M.D., C.M., M.A. Asst. Prof.

Lecturers

Cox, Phœbe, A.B. Mount Holyoke, M.D., C.M.
Workman, E. W., M.D., C.M., M.Sc.
3 Demrs., 1 Res. Assoc., 1 Teaching Fellow.

*Anthropology*, v. Sociology, *infra*

*Architecture*, v. *infra*

*Art*, v. Fine Arts, *infra*

*Bacteriology*, v. Medicine, *infra*

*Biochemistry*

Thomson, D. L., B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Aberd. and Middlebury, F.C.I.C., F.R.S.C. Dean of Fac. of Grad. Stud. and Research, and Cheney Prof.
Quastel, J. H., Ph.D. Camb., D.Sc. Lond., F.R.I.C., F.R.S. Prof.
Denstedt, O. F., B.Sc. Manit., Ph.D., F.C.I.C. Assoc. Prof.
Elliott, K. A. C., M.Sc. S.A., Ph.D., Sc.D. Camb. Assoc. Prof.
Heard, R. D. H., M.A. Tor., Ph.D. Manc., F.R.S.C. Assoc. Prof.
Wright, Margaret, B.Sc. Sessl. Lectr.
2 Demrs., 1 Res. Assoc.

*Biophysics*

Evelyn, K. A., B.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P. Assoc. Prof.
Turgeon, G. R., B.A. Camb., M.D., C.M. Asst. Prof.

*Botany*

Roscoe, Muriel V., A.M., Ph.D. Radcliffe, D.Sc. Acad., LL.D. Qu. Prof.
Gibbs, R. D., Ph.D. Lond., M.Sc., F.L.S., F.R.S.C. Assoc. Prof.
Waygood, E. R., M.S.A., Ph.D. Tor. Assoc. Prof.
Towers, G. H. N., M.Sc. Asst. Prof.
Wilson, C. M., B.Sc., M.A. Virginia, Ph.D. Harv. Asst. Prof.
Erskine, D. S., B.Sc. Acad., M.A. Tor. Sessl. Lectr.

*Chemistry*, v. also Engineering, Chemical, *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., F.R.S.C. (Indust. and Cellulose Chem.) Eddy Prof.

Hatcher, W. H., M.Sc., Ph.D., F.C.I.C., F.R.S.C. Prof.
Winkler, C. A., O.B.E., M.Sc. Manit., D.Phil. Oxon., Ph.D., F.C.I.C., F.R.S.C. Prof.
Mennie, J. H., B.Sc. Oxon., M.A. Br. Col., Ph.D. Assoc. Prof.
Nicholls, R. V. V., M.Sc., Ph.D., F.C.I.C., F.C.S. Assoc. Prof.
Taurins, A., Dr.Chem. Riga Assoc. Prof.
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.C.I.C., F.R.S.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. Wms., Ph.D. Sessl. Lectr.
Yaffe, L., M.Sc. Manit., Ph.D. Spec. Lectr.
7 Demrs., 1 Fellow

*Classics*

Carruthers, C. H., B.A. Oxon., M.A. Tor., Ph.D. Chic. (Class. Philol.) Prof.
Woodhead, W. D., B.A. Oxon., M.A. Alta., Ph.D. Chic. Mills Prof.
Counsell, E. M., M.B.E., B.A. Oxon. Assoc. Prof.
McCullagh, P. F., B.A. Tor., Ph.D. Chic., M.A. Assoc. Prof.
Gordon, C. D., B.A. Alta., M.A., Ph.D. Mich. Asst. Prof.
Vallillee, G. A., B.A. Lectr.

*Commerce*, v. *infra*

*Dentistry*, v. *infra*

*Economics and Political Science*

Beach, E. F., B.A. Qu., A.M., Ph.D. Harv. Bronfman Prof.
James, F. C., Chev. Lég. d'H., B.Com. Lond., A.M., Ph.D. Penn., D.Sc. Clarkson, D. de l'U. Montr., D.C.L. Bishop's, LL.D. Qu., N.Y., Sask., Manit., Tor., Syracuse, Lond., Ursinus, New Br., McM., Birm., Panj., Camb., F.R.S.C. (Pol. Econ.) Principal and Vice-Chancellor of Univ., Prof.
Keirstead, B. S., B.A. New Br. and Oxon., LL.D. New Br., F.R.S.C. Dow Prof.
Marsh, D., B.A. New Br., M.A. Louisiana State, Ph.D. Ill. Prof.
Altschul, E., Dr. Polit. Econ. Fribourg Visiting Prof.

Associate Professors

Callard, K. B., B.Sc. Lond.
Culliton, J. T., B.A. Sask., M.A.
Mallory, J. R., B.A. New Br., M.A. Dal., LL.B. Edin. (Pol. Sci.).

Assistant Professors

Dales, J. H., M.A. Harv. and Tor.
Kemp, M. C., B.Com., M.A. Melb.
Weldon, J. C., B.A.

Lecturers

Pratt, R. C., B.Phil. Oxon., B.A.
Wiseman, Sylvia, B.A.
Frankel, S., B.A. Sessl. Lectr.
4 Assts., 1 Res. Assoc.

*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.

Lecturers

Hebert, D. M., Mus.Bac. Chic.
Low, Ruth M., B.A.
Taylor, J. H., B.A. Qu. and McG.
Teakle, C. T., M.A. Bishop's, B.A.
Lead, H. D., M.Sc., Ph.D. Sessl. Lectr.

Rittenhouse, C., M.A. Sessl. Lectr.
Savage, Annie D. Sessl. Lectr

*Embryology*, v. Anatomy

*Engineering*, v. *infra*

*English Lang. and Lit.*

Duthie, G. I., Ph.D., D.Litt. Edin. Molson Prof.
Files, H. G., A.M., Ph.D. Harv. Greenshields Prof.
MacLennan, H., B.A. Dal., M.A. Oxon., A.M., Ph D Prin., D.Litt. W. Ont. Assoc. Prof.

Assistant Professors

Beresford-Howe, Constance, Ph.D. Brown, M.A.
Hemlow, Joyce, M.A. Qu., A.M., Ph.D. Harv.
Porter, S. W., B.A., M.F.A. Yale.
Sprott, S. E., B.D., M.A. Melb.

Lecturers

Compton, N. M., M.A.
Dudek, L., M.A. Col., B.A.
Fricker, Kathleen M., M.A.
McPherson, H. A., B.A. Manit., M.A. W. Ont.
Potter, Winifred I., M.A. Tor., Ph.D. Bryn Mawr.
Dupreuil, Margaret H., M.A. Aberd. Sessl. Lectr.
1 Assistant.

*Fine Arts*

Lyman, J. Assoc. Prof.
Judkins, W. O., A.M. Harv. Assoc. Prof.
Lismer, A., LL.D. Dal., F.R.S.A. Asst. Prof.
Viau, G. Asst. Prof.
Webber, G., B.Design Ill. Inst. Tech. Sessl. Lectr.
1 Demr.

*French*, v. Romance Langs., *infra*

*Genetics*

Boyes, J. W., M.Sc. Sask., Ph.D. Wis. Assoc. Prof.
Boothroyd, E. R., B.Sc. Bishop's, M.Sc., Ph.D. Asst. Prof.
Fraser, F. C., B.Sc. Acad., M.D., C.M., M.Sc., Ph.D. Asst. Prof.
Slatis, H. M., S.B., Ph.D. Chic. Asst. Prof.

*Geography*

Hare, F. K., B.Sc. Lond., Ph.D. Montr., F.R.Met.S. Prof. and Dir. of Geog. Summer Sch.
Bird, J. B., M.A. Camb. Assoc. Prof.
Zaborski, B., Ph.D. Warsaw, Dozent Cracow Assoc. Prof.
Summers, W. F., B.Sc. Dal., M.Sc. Lectr.
Washburn, A. L., B.A. Dartmouth, Ph.D. Yale Hon. Lectr.
Hills, T. L., M.A. Camb. Sessl. Lectr.
Orvig, S., B.Sc. Oslo Sessl. Lectr.
2 Res. Assocs.

*Geological Sciences*

Clark, T. H., A.M., Ph.D. Harv., F.G.S.A., F.R.S.C. (Palæont.) Logan Prof.
Gill, J. E., Ph.D. Prin., B.Sc., F.R.S.C. Prof.
Krank, E. H., D.Sc. Helsingfors Prof.
Stevenson, J. S., B.A., B.Ap.Sc. Br. Col., Ph.D. M.I.T., F.G.S.A., F.R.S.C. Assoc. Prof.
Riddell, J., B.Eng., M.Sc. Asst. Prof.
Saul, V. A., D.Sc. M.I.T., B.Sc. Asst. Prof.
Stearn, C. W., B.Sc. McM., M.A. Yale Asst. Prof.
1 Demr.

*German*

Graff, W. L., Ph.D. Louvain Prof.
Meyer, Bertha, M.A. Asst. Prof.
Block, V., M.A. Lectr.

Mladenovic, Mrs. Gertrud H. F. Sessl. Lectr.

*Graduate Studies and Research*, v. *infra*

*Greek*, v. Classics

*Histology and Embryology*, v. Anatomy, *supra*

*History*

Fieldhouse, H. N., B.A. Oxon., M.A. Sheff., F.R.S.C. Dean of Fac. of Arts and Sci. and Kingsford Prof.

Adair, E. R., B.A. Lond., M.A. Camb., F.R.Hist.S. Prof.

Bayley, C. C., M.A. Manc., Ph.D. Chic. Assoc. Prof.

Cooper, J. I., M.A. W. Ont., Ph.D. Assoc. Prof.

Reid, W. S., Th.M. Westmin., Ph.D. Penn., M.A. Assoc. Prof.

Mladenovic, M., B.Com., M.L. Belgrade, D.LL., D. ès Sc. Pol., D. ès Sc. Écon., Dip. des Hautes Études Soc. Paris Asst. Prof.

*Household Science*, v. Macdonald Coll., *infra*

*Latin*, v. Classics

*Law*, v. *infra*

*Library Science*, v. *infra*

*Logic*, v. Philos.

*Mathematics*

Tate, H., B.Sc. N.U.I., M.A. Dub. Prof.

Wallace, P. R., M.A., Ph.D. Tor. Prof.

Zassenhaus, H. J., M.A. Glas., Dr. Rer. Nat., Dr. Habil. Hamb. Prof.

Fox, C., M.A. Camb., D.Sc. Lond. Assoc. Prof.

Kaufman, H., M.Sc., Ph.D. Assoc. Prof.

Kozakiewicz, W., Ph.D. Warsaw Assoc. Prof.

Rosenthall, E., Ph.D. Cal. Tech., M.Sc. Assoc. Prof.

Solin, C. D., Ph.D. Tor., M.A. Asst. Dean Fac. Arts and Sci., and Assoc. Prof.

Assistant Professors

Jackson, J. D., B.Sc. W. Ont., Ph.D. M.I.T.

Lambek, J., M.Sc., Ph.D.

Morris, T. F., Ph.D. Tor.

Ross, W. B., M.Sc., Ph.D.

Wood, L. P., B.Sc.

Lecturers

Burrow, M. D., M.Sc.

Butzer, P. L., B.Sc. Loyola, Ph.D. Tor.

Oler, N., B.Sc.

Patterson, R. A., B.A. Mt. All., B.Pæd. Tor.

Schiff, H., M.Sc.

Sessional Lecturer

Melamed, S., B.Sc.

1 Demr., 1 Res. Assoc.

*Medicine*, v. *infra*

*Metallurgy*, v. Engin., *infra*

*Mining*, v. Engin., *infra*

*Music*, v. *infra*

*Nursing*, v. Sch. for Grad. Nurses, *infra*

*Palæontology*, v. Geological Sciences, *supra*

*Philosophy*

Maclennan, R. D., M.A. Edin. Macdonald Prof.

Klibansky, R., M.A. Oxon., D.Phil. Heidel. (Logic and Metaphysics) Research Prof.

Currie, C., Ph.D. Harv., M.A. Assoc. Prof.

Henderson, T. G., Ph.D. Harv., M.A. Assoc. Prof.
Stewart, W. F. M. Visiting Prof.
McKinnon, A. T., M.A. Tor., Ph.D. Edin. Asst. Prof.
1 Asst.

*Physical Education*, v. *infra*

*Physics*

Foster, J. S., Ph.D. Yale, D.Sc. Acad., F.R.S.C., F.R.S.
Macdonald Prof. and Dir. of Radiation Lab.
Woonton, G. A., M.A. W. Ont., F.R.S.C.
Prof. and Dir. of Electronics Res. Lab.

Associate Professors

Marshall, J. S., M.A. Qu., Ph.D. Camb.
Pounder, E. R., B.Sc., Ph.D.
Terroux, F. R., B.A. Loyola, Ph.D. Camb., M.Sc.
Watson, H. G. I., B.A. Tor., M.Sc., Ph.D.
Westcott, C. H., B.Sc. Lond., Ph.D. Camb.

Assistant Professors

Gunn, K. L. S., B.A. W. Ont., M.Sc., Ph.D.
Hitschfield, W. F., B.A.Sc. Tor., Ph.D.
McPherson, Anna I., Ph.D. Chic., B.A., M.Sc.
Wagner, S., M.Sc., Ph.D.
Whitehead, J. R., B.Sc. Manc., Ph.D. Camb.

Lecturers

de Angelis, M. L., B.Sc. Lond., M.Eng.
Henrickson, A., B.A. Br. Col., M.Sc.
7 Demrs., 5 Res. Assocs.

*Physiology*

MacIntosh, F. C., M.A. Dal., Ph.D. Drake Prof.
Burgen, A. S. V., M.B., B.S. Prof.
Burns, B. D., B.A. Camb. Assoc. Prof.
Giblin, N., M.C., B.A. Tas., M.B., Ch.B. Edin. Assoc. Prof.
Brooks, V. B., B.A. Tor., M.Sc. Chic. Asst. Prof.
Dworkin, S., M.Sc., D.D.S., M.D., C.M. Asst. Prof.
Sekelj, P., B.E., Dr. Elect. Phys. Badiche Techn. Hoch., Karlsruhe Asst. Prof.
Terroux, Kathleen G., B.A., M.Sc., Ph.D. Asst. Prof.
Garcia, H., M.D. Univ. Central de Venezuela Lectr.
Henrikson, Mrs. Helen A. Lectr.
Johnson, A. L., M.D., C.M. Lectr.
1 Teaching Fellow.

*Physiotherapy*, v. Phys. & Occ. Ther., *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.

Associate Professors

Bindra, D., Ph.D. Harv.
Luchins, A. S., B.A. Brooklyn, M.A. Col., Ph.D. N.Y.
Webster, E. C., M.A., Ph.D.

Assistant Professor

Zubek, J. P., B.A. Br. Col., M.A. Tor., Ph.D. Johns H.

Lecturers

Dörken, H., Ph.D. Montr.
Dufresne, G., Ph.D. Montr.
Rabinowitz, H. S., B.Sc. City Coll. of N.Y. Sessl. Lectr.
Scheier, I. H., B.A. Union Sessl. Lectr.
Wigdor, Blossom, M.A. Tor., B.A., Ph.D. Sessl. Lectr.
4 Demrs., 1 Res. Assoc.

*Romance Languages*

Launay, J. E. L., L. ès L., Dipl. d'Ét. Sup. Paris, Ag. de l'U. de France (French) Prof. and Dir. of French Summer Sch.

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.

Harrop, L. B., B.A., Dip.Ed. W. Aust., Dip. Est. Hisp. Santander, M.A. Interamericana, Mexico (Spanish) Assoc. Prof.

Larivière, Mme Hélène, Ag. de l'U. de France Assoc. Prof.

Assistant Professors

d'Hauteserve, L., B. ès L. and Ph., Lic. en Droit Paris, M.A. (French).

Henry, Mrs. Robina E., M.A. Dub.

Reverchon, Marie-Thérèse, L. ès L., Dipl. d'Ét. Sup. Paris, Agr. de l'U. de France.

Rigault, A. A., L. ès L. Paris, Dipl. d'É. S. Paris (French).

Champigneul, Yvonne, L. ès L., Dipl. d'Ét. Sup. Toulouse, Ag. de l'U. de France Visiting Prof.

Lecturers

Romer, T., L. ès Sc. Pol. et Soc. Lausanne.

Stegen, G. F., B.A. Sir G. Wms. (Spanish).

Kushner, Mrs. Eva, B. ès L. Paris, M.A. Sessl. Lectr.

Little, Mrs. Madeleine A. D., B. ès L. Aix, L. ès L., Dipl. d'Ét. Sup. Paris Sessl. Lectr.

*Social Work*, v. *infra*

*Sociology*

Hall, O., B.A. Qu., Ph.D. Chic., M.A. Assoc. Prof.

Westley, W., Ph.D. Chic. Assoc. Prof.

Elkin, F., A.M., Ph.D. Chic. Asst. Prof.

Fried, J., A.B. Temple, Ph.D. Yale Asst. Prof.

Ross, Aileen D., B.Sc. (Econ.) Lond., M.A., Ph.D. Chic. Asst. Prof.

*Spanish*, v. Romance Langs., *supra*

*Zoology*, v. also Macdonald Coll., Inst. of Parasitology, *infra*

Stanley, J., B.A. Br. Col., M.A., Ph.D. Minn. Prof.

Berrill, N. J., B.Sc. Brist., Ph.D., D.Sc. Lond., F.R.S.C., F.R.S. Strathcona Prof.

Dunbar, M., M.A. Oxon., Ph.D. Assoc. Prof.

Scott, H. R., B.Sc. Acad., Sc.M., Ph.D. Brown Asst. Prof.

Rattenbury, Joan C., Ph.D. Calif., M.Sc. Lectr.

Cleghorn, J. D. Curator.

5 Demrs., 1 Teaching Fellow.

## Architecture

Bland, J., B.Arch. Dir. and Prof.

Spence-Sales, H. J., B.A. N.Z. Assoc. Prof.

Wilson, S. A., B.Arch. Asst. Prof.

Lecturers

Baker, M. C., B.Eng., B.Arch.

Johnson, W. A., B.A., B.C.L.

Lebensold, D. F.

Sessional Lecturers

Balharrie, J. W.

Sise, H. E., B.Sc. Arch. M.I.T.

Webber, G.

1 Demr.

## Commerce

*Accounting*

Byrd, K. F., B.Sc., M.A. Lond. Prof.

Patton, D. R., B.Com.
Assoc. Prof.

Lecturers

Dawson, R. J. P.
Howson, A. H., B.A.
Knowles, F., B.Com.
Lemieux, E. A., B.Com.
Mellor, C. D., B.Com.
Pugsley, P. T. R., B.Com.
Smyth, W. A., B.Com.

*Commerce*

Woods, H. D., B.A. New Br., M.A. (Indust. Relns.)
Director and Bronfman Prof.
Vineberg, P. F., B.C.L., M.A.
Asst. Prof.

Lecturers

Armstrong, D. M., M B.A. Harv., B.A.
Briant, P. C., B.Com.
Harris, A. V., B.A. Manit., B.Com.
Loftus, R., B.A. Olivet, M.B.A. Harv.
McKinnon, D. W.
Ross, H. I., O.B.E., B.A.
Westbury, A. H., F.C.I.S.
13 Demrs.

**Dentistry**

Mowry, D. P., D.D.S., F.A.C.D.
Dean and Prof. of Periodontia.
Franklin, G., D.D.S., F.I.C.D.
Prof.
Gerrie, J. W., B.A., D.D.S. Alta., M.D., C.M., D.L.O. Prof.
Leahy, W. G., B.Sc. Laval, D.D.S.
Prof.

Associate Professors

Gordon, D. C., B.Sc. Acad., D.D.S.
McCutcheon, J., M.S.D. Mich., B.A., D.D.S.
Racey, A. G., D.D.S., F.A.C.D.
Ross, A., M.D., C.M.
Ereauk, L. P., B.Sc., M.D., C.M.
Clin. Prof.

Assistant Professors

Dagg, R. E., D.D.S.
Donigan, M. L., D.D.S., F.I.C.D.
Gardner, C. McG., M.D., C.M., F.R.C.S. Can. and Eng., F.A.C.S.
Johnston, W. J., D.D.S.
Lamb, R. T., B.Sc., D.D.S.
Marchand, P. R., D.D.S.
Martin, S. J., M.D., C.M., F.R.C.S. Can. and Edin.
McMahon, R. E., D.D.S.
Stewart, C. C., M.D., C.M.
Townsend, S. R., B.A., M.D., C.M., F.A.C.P.
Walford, W. F., D.D.S.
Worden, E. M., M.D. Tor.

Lecturers

Abraham, J. W., M.M., D.D.S.
Armstrong, G. D., D.D.S.
Brown, N., B.A., M.D., C.M.
Burns, F. L., B.A. Loyola, D.D.S.
Cameron, A. F., D.D.S.
Cleveland, E. T., D.D.S.
Couper, W. M., B.Sc., M.D., C.M., F.R.C.S. Ed. and Can.
Craven, A. H., B.D.S. N.Z., D.D.S. Northwestern.
Cripps, S., B.Sc., D.D.S.
Dorion, E. S., B.A. Ott., D.D.S.
Edmison, R. S., B.Com. Qu., D.D.S.
Edward, F. A., B.A., 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.
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.
Stalker, A. McT., B.A., B.C.L.
Stockwell, W. G., D.D.S.
Walsh, C. T., M.S. Mich., B.Sc., D.D.S.

Wiener, R. M., M.S. Chic., D.D.S. Prof.
32 Pt.-time Demrs.

*Prosthetic D.*

Bushell, W. C., D.D.S. Prof.

**Divinity**

Thomson, J. S., M.A. Glas., D.D. Glas., Emmanuel, Tor., LL.D. McM., Manit., Qu., Tor., Wash. State, McG., Alta., F.R.S.C.
(Philos. and Psychol. of Rel.)
Dean and McConnell Prof.

Caird, G. B., B.A. Camb., M.A., D.Phil. Oxon.
(N. Test. Lang. and Lit.) Prof.

Scott, R. B. Y., B.D. Knox, M.A., Ph.D. Tor., D.D. Vic. Tor.
(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. Prin. (Comp. Rel.) Birks Prof.

Walsh, H. H., M.A. King's, B.D. Gen. Synod, S.T.M. Gen. Theol. Sem., N.Y., Ph.D. Col. (Church History)
Assoc. Prof.

Naylor, Canon R. K., L.Th.Dioc. Theol. Coll., Montr., B.A.
Lectr.

Rogers, K. H., M.A., Ph.D. Tor., L.Th. Wycliffe Lectr.

Kerr, J., B.A. Hon. Lectr.
1 Instr.

**Engineering**

Jamieson, R. E., O.B.E., M.Sc., P.Eng.
Dean of Engin. and Scott Prof. of Civ. Engin. and App. Sci.

*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.
2 Demrs.

*Civil Engineering and Applied Mechanics*

Jamieson, R. E., O.B.E., M.Sc., P.Eng.
Dean of Engin. and Scott Prof.

Craig, C., B.A., M.Eng., P.Eng.
Prof.

French, R. de L., B.Sc., C.E. Worc. Poly. Inst. (Highways and Municip.) Prof.

Associate Professors

Arcand, L. J., B.Sc., M.Eng.

de Stein, J. L., B.Eng. Sask., M.Eng.

Pakelnins, A., Dipl.Eng. Charlottenburg, D.Sc. Latvia.

Wilson, V. W. G., S.M. M.I.T., B.Sc.

Assistant Professors

Coates, D. F., B.A. Oxon., B.Eng.

Joly, G. W., B.A. Loyola.

Neilson, S. A., B.Sc.

Lecturers

Baker, M. C., B.Eng., B.Arch.

McCoy, W. B., B.Eng.

*Electrical Engineering*

Wallace, G. A., M.Sc., P.Eng.
Prof.

Chipman, R. A., B.Sc. Manit., Ph.D. Camb., M.Eng., P.Eng.
Assoc. Prof.

Howes, F. S., Ph.D. Lond., M.Sc., D.I.C., P.Eng. Assoc. Prof.

Schippel, W. H., B.Sc., M.Eng.
Assoc. Prof.

Pavlasek, T. J. F., M.Eng.
Assoc. Prof.

Farnell, G. W., B.A.Sc. Tor., S.M. M.I.T. Lectr.

Gordon, A. I., B.Eng. Lectr.
3 Demrs.

*Engineering Drawing*

Glynn, B. C. C. Asst. Prof.

*Engineering Practice*

George, A. R., B.A. Brist., B.D. Lond., D.D. United Theol. Coll., Montr.
(Public Speaking) Sessl. Lectr.

*Mathematics*, v. *supra*

*Mechanical Engineering*

Mordell, D. L., M.A. Camb. Prof.

Associate Professors

Bruce, W., M.A.Sc. Tor., P.Eng.
Edis, A. R., B.Sc. Lond., B.Eng.
White, J. M., B.E. Johns H., M.B.A. N.Y.

Lecturers

Briercliffe, H. C. C., M.S. M.I.T., B.Eng.
Rogers, J. T., M.Eng.

Sessional Lecturers

Bucherer, W. F., M.E. Dresden, C.E. Karlsruhe.
Cherna, J. C., Dipl.Ing. Tech. Hoch. Zür.
Covo, P. V., B.Eng.
Fainstat, M. M., B.Eng.
Golinski, J. A., M.E. Cracow-Gliwice, M.A.Sc. Tor.
Lane, A. G., B.Eng.
Levine, S., B.Eng.
Lin, T., Dip.Ing. M.E. & E.E. Beuth-Schule, Dr.Phys. Basle.
Putnaerglis, R., Dip.Mech.Eng. Latvian Univ.
Sproule, G. St. G., M.Sc.
5 Demrs.

*Mining and Metallurgical Engineering*

Morrison, R. G. K., B.A. Sc. Tor. (Mining) Macdonald Prof.
MacEwan, J. U., B.Sc. Qu., M.S. Montana (Metall.) Birks Prof.
Godard, J. S., B.Sc. (Mineral Dressing) Assoc. Prof.
Ogilvie, J. P., Ph.D. Calif., B.Eng. (Metall.) Assoc. Prof.
Salman, T., M.Eng. Asst. Prof.
Yates, H. H., B.Sc., Ph.D. Asst. Prof.
1 Demr.

*Physics*, v. *supra*

*Public Speaking*, v. Engin. Practice, *supra*

**Graduate Studies and Research**

Thomson, D. L., B.Sc., M.A. Aberd., Ph.D. Camb., LL.D. Aberd. and Middlebury, F.C.I.C., F.R.S.C.
Dean and Prof. of Biochem.

(Graduate instruction and supervision of research are undertaken by members of all Depts. of the Univ.)

**Law**

Meredith, W. C. J., Q.C., M.A. Camb.
Dean and Prof. of Law.

Professors of Law

Cooper, J. C., A.B. Prin., LL.M.
LeMesurier, C. S., Q.C., LL.D. Glas., B.A., B.C.L.
Baudouin, L., D. en Droit, ès Sci. Juridiques, et ès Sci. Polit. Paris.
Cohen, M., B.A., LL.B. Manit., LL.M. Northwestern.
O'Brien, J. L., Q.C., B.A., B.C.L.
Scott, F. R., B.A. Bishop's and Oxon., B.Litt. Oxon., B.C.L., F.R.S.C.

Assistant Professors

Gazdik, J. G., Dr.Pol.Sc. Pécs, LL.D., M.C.L.
LeDain, G. E., D. de. l'U. Lyon, B.C.L.

Lecturers

Challies, Mr. Justice G. S., M.A., M.C.L.
Anglin, J. P., B.A., B.C.L.
Becket, R. W., B.A., B.C.L.

Blumenstein, J. H., M.A., B.C.L.
Brierley, J. G., M.A., B.C.L.
Bronstetter, W. E., B.A., B.C.L.
Byers, D. N., LL.L. Montr., B.A.
Carroll, L. C., Q.C., LL.L. Montr., M.A.
Cohen, J., Q.C., B.C.L.
Crankshaw, J. E., Q.C., B.C.L.
Elliott, R F., B.Com. Qu., M.B.A. Harv.
Fels, S. S., B.C.L.
Hall, G. B. A., M.Com.
Hulbig, W. J., B.A., B.C.L.
Johnston, W., B.C.L.
LaChapelle, R., B.A. Montr., B.C.L.
Lapointe, M., B.A. Montr., M.C.L.
Leveque, R., LL.B. Montr.
McMaster, D. R., M.B.E., Q.C., B.A., B.C.L.
Merefield, R. R., B.A., B.C.L.
Minnion, A. M., B.A., B.C.L.
Mitchell, J. E., Q.C., B.A., LL.B. Dal., B.C.L. Oxon.
Montgomery, T. H., M.C., B.A., B.C.L.
Nolan, J. A., B.A., B.C.L.
O'Connor, J. B., B.A. Loyola, B.C.L.
Owen, G. R., B.C.L , M.A.
Patch, R. A., B.A., B.C.L.
Richardson, C. S., Q.C., LL.B. Dal., M.A. Acad.
Spector, J. J., Q.C., B.A., B.C.L.
Stalker, A. McT., B.A., B.C.L.
Tees, H., B.A., B.C.L.
Watt, A. McA., B.A., B.C.L.
Weber, S. W., Q.C., LL.M. Montr., B.A.
Weldon, A. M., B.A., B.C.L.

### Library School

Ross, Miss Vernon, B.S. in Lib. Sci. Col., M.A.
Dir. and Asst. Prof.
Murray, Virginia, M.A. Col., B.L.S.
Asst. Prof.
Astbury, Effie C., B.A., B.L.S.
Lectr.
Coughlin, Mrs. Violet L., B.Sc., B.L.S.
Lectr.
Pennington, R., B.A. Birm., Lib. Dipl. Lond.
Lectr. and Univ. Librarian.

Sessional Lecturers

Cadloff, Mrs. Sybil, B.A., B.L.S.
Stronach, Mrs. Margaret, B.A., B.L.S.

### Medicine

*Anæsthesia*

Griffith, H. R., M.M., M.D.
Hahnemann, B.A., M.D., C.M., F.F.A.R.C.S.
Assoc. Prof.
Stewart, C. C., M.D., C.M.
Asst. Prof.
Wilkinson, F. A. H., M.D., C.M.
Asst. Prof.

Lecturers

Cullen, W. G., B.A., M.D. Tor.
Ferguson, R., M.B.E., M.D. Tor.
Gilbert, R. G. B., M.B., B.Sc. Lond.
Pasquet, A. F., M.D. Qu., D.A.
Slater, H. M., M.D. Tor.
Stockwell, W. C., B.A. Bishop's, M.D., C.M.
5 Demrs.

*Anatomy*, v. *supra*

*Bacteriology and Immunology*

Murray E. G. D., O.B.E., M.A. Camb., F.R.S.C.
Prof.

Associate Professors

Stevenson, J. W., M.D., C.M. Qu.
Kalz, Gertrude G., M.D., D.P.H. Prague.

Assistant Professors

Kelly, C. D., M.S.A. Br. Col., Ph.D. Corn.
Masson, Anne M., B.A. Stras., M.D. Paris.

Lecturers

De Vries, Mrs. Joan, B.A. Dal., M.D., C.M.
Gillen, D. H., M.D. W. Ont.
Maheux, P., M.D. Laval.
Prissick, Frances H., B.A., M.D., C.M.
Silov, R., M.D. Dorpat Estonia.
2 Demrs.

*Biochemistry*, v. *supra*

*Clinical Therapeutics*

Fullerton, C. W., M.D., C.M., F.A.C.P. Assoc. Prof.
Scriver, W. de M., M.A., M.D., C.M., F.R.C.P.Can., F.A.C.P. Assoc. Prof.
Frank, B. L., B.Sc., Ph.D., D.P.H. Lectr.

*Gynæcology*, v. Obstetrics and Gynæcology, *infra*

*Health and Social Medicine*

Vivian, R. P., M.D. Tor. Strathcona Prof.

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MacMillan, C. W., M.D., C.M. Dal., D.P.H. Tor.
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*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.
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Adams, L. J., M.D., C.M., F.R.C.P. Can., F.A.C.P.
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Kennedy, W. R., B.Sc., M.D., C.M.
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Mackenzie, K. R., B.A., M.D., C.M., Ph.D.
Mendel, D. L., M.D., C.M.

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Townsend, S. R., B.A., M.D., C.M.
Usher, B. D., B.A., M.D., C.M.
Ward, R. V., M.D., C.M., F.R.C.P. Can.

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Aronovitch, M., B.Sc., M.D., C.M., F.R.C.P.Can.
Barker, C. S., B.A., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Bourne, F. M., B.A. Oxon., B.A., M.D., C.M., F.R.C.P.Can.
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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.
Fournier, C. J., M.D., C.M.
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Gordon, A. L., B.Sc., M.D., C.M.
Halpenny, G. W., B.Sc., M.D., C.M., F.R.C.P.Can., F.A.C.P.
Harbert, R. G. M., B.Sc., M.D., C.M.
Harris, C., B.Sc., M.D. Glas.
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Stalker, M. R., M.D., C.M.
Thom, A. T., M.D. Tor., B.A.
Turgeon, G. R., B.A. Camb., M.D., C.M.
Weil, P. G., B.A. N. Carolina, M.Sc., M.D., C.M., Ph.D.
Wight, G. E., O.B.E., M.D., C.M.
30 Demrs., 5 Teaching Fellows.

*Neurology and Neuro-Surgery*

Penfield, W. G., O.M., C.M.G., Litt.B., Hon. D.Sc. Prin., M.A., D.Sc. Oxon., M.D. Johns H., F.R.C.S. Can. and Eng., F.R.S.C., F.R.S.
Dir. of Neurol. Inst. and Prof.
Cone, W. V., B.Sc., M.D. Iowa, F.R.C.S.Can., F.R.S.C. Prof.
Jasper, H. H., A.B. Reed, M.A. Oregon, Ph.D. Iowa, D. ès Sc. Paris, M.D., C.M. (Exper. Neurol.) Prof.
Elliott, K. A. C., M.Sc. S.A., Ph.D., D.Sc. Camb. (Exper. Neurol.) Assoc. Prof.
McNaughton, F. L., B.A., M.Sc., M.D., C.M. (Neurol.). Assoc. Prof.

Assistant Professors

Elliott, H. W., B.Sc., M.D., C.M. (Neurol.).
Elvidge, A. R., M.D., C.M., M.Sc., Ph.D., F.R.C.S.Can. (Neurol.).
Olszewski, J., M.D. Freiburg (Neuro-anat.).
Robb, J. P., M.D., C.M., M.Sc. (Neurol.).
Swank, R. L., B.S. Wash., M.D., Ph.D. N.W. (Exper.).
Tower, D. B., M.D. Harv., M.Sc.
Young, A. W., M.D., C.M., F.R.C.P.Can. (Neurol.).
Ajmone-Marsan, C., M.D., Turin Lectr. and Bronfman Fellow.
Fisher, C. M., B.A., M.D. Tor.
Smith, B. H., M.B., Ch.B. Aberd., D.P.M.

Tatlow, W. F., M.D. Lond.

*Obstetrics and Gynæcology*

Philpott, N. W., Hon. M.D. Laval, M.D., C.M., F.R.C.O.G., F.A.C.S., F.R.C.S.Can. Prof.
Ward, C. V., B.A. Bishop's, M.D., C.M., F.R.C.S.Can., F.A.C.S. Assoc. Prof.

Assistant Professors

Foote, W. R., B.A. Br. Col., M.D., C.M., F.A.C.S.
Henry, J. S., M.D., C.M., F.A.C.S.
MacFarlane, K. T., M.D. W. Ont., F.A.C.S.
Maughan, G. B., M.Sc., M.D., C.M., F.A.C.S.
Percival, Eleanor S., B.A., M.D., C.M., F.R.C.S.Can.
Simpson, G. A., M.D., C.M., F.R.C.O.G., F.A.C.S.
Strean, G. J., B.A., M.D., C.M., F.A.C.S., F.R.C.S.Can.

Lecturers

Hendelman, M., B.A., M.D., C.M.
Latour, J. P. A., B.Sc., M.D., C.M.
Macarthur, J. L., M.D. W. Ont., F.R.C.S.Can., F.A.C.S.
Primrose, T., B.Sc., M.B., Ch.B. Edin.
Routledge, J. H., M.D., C.M.
Sparling, D. W., M.D. Tor., F.A.C.S.

8 Demrs.

*Ophthalmology*

Johnston, K. B., M.D., C.M. Assoc. Prof.
Alexander, B., B.Sc., M.D., C.M. Asst. Prof.
Nicholls, J. V. V., B.A., M.Sc., M.D., C.M. Asst. Prof.

Lecturers

Kirschberg, L. S. S., M.D., C.M.
McDonald, D. W., B.A. Dal., M.D., C.M.
Viger, R. J., M.D., C.M.

6 Demrs.

*Oto-Laryngology*

McNally, W. J., B.A., M.D., C.M. Dal., LL.D. St. F.X., M.Sc., D.Sc., F.R.C.S.Can. Prof.
Scharfe, E. E., M.D., C.M., D.L.O. Asst. Prof.
Tremble, G. E., M.D., C.M., D.L.O., F.R.C.S.Can. Asst. Prof.
McHugh, H. E., B.Sc., M.D., C.M., D.L.O. Lectr.
Shaver, F. W., M.D., C.M. Lectr.
Stuart, E. A., M.A. New Br., M.D., C.M., F.R.C.S. Can. and Ed. Lectr.

3 Demrs.

*Pædiatrics*

Ross, A., M.D., C.M. Prof.

Assistant Professors

Denton, R. L., B.Sc., M.D., C.M.
Geddes, A. K., M.D., C.M.
Scriver, Mrs. Jessie B., B.A., M.D., C.M., F.R.C.P.Can.
Worden, E. M., M.D. Tor.

Lecturers

Bacal, H. L., M.B.E., B.A., M.D., C.M.
Benjamin, B., B.A., M.D., C.M.
MacDermot, P. N., M.D., C.M.

15 Demrs., 3 Teaching Fellows.

*Parasitology*, v. Macdonald College, Inst. of Parasit., *infra*

*Pathology*

Duff, G. L., M.A., M.D., Ph.D. Tor., F.R.C.P.Can., F.R.S.C. Dean of Fac. and Strathcona Prof.
Waugh, T. R., B.A. Yale, M.D., C.M. Prof.

Associate Professors

McMillan, G. C., M.D., C.M., M.Sc., Ph.D. Fraser Assoc. Prof.
Pritchard, J. E., M.D. Manit.
Waugh, D. O. W., M.D., C.M., M.Sc., Ph.D.

Lecturers

Gordon, D., M.D. Tor.

Mackenzie, M. B., B.Sc., M.D., C.M.
Mathews, W. H., M.D., C.M.
Wiglesworth, F. W., M.D. Manit.
Fisher, C. M., B.A., M.D. Tor. Sessl. Lectr.
4 Demrs., 1 Teaching Fellow.

*Pharmacology and Therapeutics*

Melville, K. I., M.D., C.M., M.Sc. (Pharm.) Assoc. Prof.
Benfey, B. G., M.D. Hamburg Lectr.

*Physiology*, v. *supra*

*Physiotherapy*, v. Physical and Occupational Therapy, *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 Psychiatry.

Associate Professors

Cleghorn, R. A., M.D. Tor., D.Sc. Aberd.
Malmo, R. B., M.A. Missouri, Ph.D. Yale (Psychol.).
Moll, A. E., B.C.L., M.D., C.M.
Prados y Such, M., B.A. Granada, M.D. Madrid.
Silverman, B., M.D., C.M.
Wittkower, E., M.D. Berl.

Assistant Professors

Albert, S., B.A., M.D., C.M.
Dancey, T. E., M.D., C.M.
Hanson, F., B.Sc. Wis., M.D. Nebraska.
Lehmann, H., M.D. Berl.
Reed, G. E., M.B. Tor.
Statten, T., M.D. Tor.

Lecturers

Beaubien, J., B.Sc., M.D., C.M., Dipl.Psych.
Bos, C. G., B.A., M.D., C.M.
Caplan, H., M.D., C.M.
Emanuel, E., B.A., B.M., B.Ch. Oxon., D.Ch., D.P.M. Lond.
Hamilton, R. C., E.D., M.Sc., M.D. Alta.
Hershon, H., M.D. Geneva, B.Sc.
Hisey, L. G., M.D. Tor.
Kral, V. A., M.D. Prague.
Margetts, E. L., B.A. Br. Col., M.D., C.M., Dipl.Psych.
MacLeod, A. W., B.Sc., M.B., Ch.B., D.P.H. Glas., D.Psy.M. Lond.
Shagrass, C., M.S. Rochester, M.D., C.M.
Skitch, C. H., B.A., M.D. Alta.
Wilner, S., B.A., M.D., C.M., Dipl.Psych.
6 Demrs., 1 Res. Assoc., 3 Teaching Fellows.

*Radiology*

Peirce, C. B., A.B., M.Sc., M.D. Mich., F.A.C.P., F.R.C.P.Can. Prof.
Bouchard, J. J. L., M.D. Laval, D.M.R.E. Camb. Assoc. Prof.
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Brown, N., B.A., M.D., C.M. Lectr.
Crutchlow, E. F., O.B.E., B.A., M.D., C.M. Lectr.
2 Demrs.

*Surgery*

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Ross, D. E., M.D., C.M., M.Sc., F.A.C.S., F.R.C.S.Can.
Wilkie, A. L., B.A. St. F.X., M.D., C.M.

Clinical Professor

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Assistant Professors

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McIntosh, C. A., B.A., M.D., C.M.
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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., D.Sc. Col., M.D., C.M., F.R.C.S.Can.
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Walker, J. A. L., B.A., M.D., C.M., F.A.C.S., F.R.C.S.Can.
Woolhouse, F. M., B.Sc. Sask., M.D., C.M., F.R.C.P.Can.
24 Demrs., 3 Teaching Fellows.

*Therapeutics*, v. Pharmacol. and Therap., *supra*

*Urology*

Seng, M. I., M.D. Texas, C.M., F.R.C.S.Can. Lectr.

### Music

Clarke, D., M.A., Mus.B. Camb., F.R.C.M., F.R.C.O.
Dean of Fac., Dir. of Conservatorium and Prof.
Brott, A., L.Mus. Asst. Prof.
Duchow, M., B.A. N.Y., M.A. Rochester, Mus.B.
Asst. Prof.
Tupper, R. de H. Lectr.
Wilson, Octavia, Mus.B. Lectr.
11 Instrs.

### School for Graduate Nurses

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Assoc. Prof. in, and Dir. of Sch.
Peverley, Ann, B.S. Col.
Asst. Prof.

Lecturers

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Horlick, Ruth L., B.A. Qu.
Logan, Elizabeth, B.Sc. Acad., M.N. Yale.
Major, Alice R. M., M.A. Col., B.N.
Marshall, Kathleen, Nurs. Cert. Tor.
Yeats, Gertrude L., Dip. Sch. for Grad. Nurses.

### Physical Education

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Dir. of School and Prof.
Obeck, V. F., B.Sc. Springfield, M.A. Col. Dir. of Athletics.
Crutchlow, E. F., O.B E., B.A., M.D., C.M.
Consulting Physician.
Munroe, Iveagh, B.Sc., M.A. Col., Dip.M.S.P.E.
Dir. of Athletics for Women and Assoc. Prof.
Van Wagner, F. M., B.P.E. Springfield Assoc. Prof.

Assistant Professors

Bean, Gladys, M A. Col., Dip. M.S.P.E.
Ryan, H. R., B.A. Acad., B.P.E. Springfield.
Wagner, Thelma, B.Sc., M.A. N.Y.
Wilkinson, R. E., B.Sc. (P.Ed.).
Wood, Winona, B.A., B.Ed. Sask., M.A. Col., Dip.M.S.P.E.
6 Instrs.

### Physical and Occupational Therapy

Fisk, G. H., B.A., M.D., C.M., D.T.M. & H.
Dir. and Assoc. Prof.
Nicholson, Helen M.
Asst. Dir. and Lectr.
Conway, Mrs. Eleanor E., Dipl. Occ.Ther. 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.)
3 Demrs.

### Social Work

Moore, J. J. O., A.B. Missouri, M.A. Denver, Ed.D. Col.
Dir. and Prof.

Associate Professors

Marier, R., M.Sc. Soc., LL.D. Laval, M.S.S.W. C.U.A.
Younge, Eva R., B.A. Alta., M.A.
Zaloha, Anne B., Ph.B. Chic., M.A. Northwestern.

Assistant Professors

Christie, Florence McC., B.A. New Br., M.A. Chic.
Freeman, Mrs. Dorothy R., B.A., Dip.Soc.Wk.
Tuck, Helen H., B.A. Manit., M.S.W.

Lecturers

Brandtner, F.
Griffiths, Margaret, B.A. W. Ont., Dip.Soc.Wk. Tor.
Irvine, Mrs. Lucille, M.A.
Stevenson, Mrs. Mary, B.A. Sask., Dip.Soc.Wk. Tor., M.S.W.
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Zavitzianos, G., M.D. Montpellier.

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## Macdonald College

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Vice-Principal and Dean of the Fac. of Agric.—W. H. Brittain, M.S. in 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. Prof.
Wallace, R. H., B.Sc. Dal., M.Sc., Ph.D. Asst. Prof.

*Agricultural Chemistry*

Common, R. H., B.Sc., M.Agr. Belf., Ph.D., D.Sc. Lond. Prof.
De Long, W. A., B.S.A. Tor., Ph.D. Minn., M.Sc., F.C.I.C. Assoc. Prof.
Baker, B. E., B.Sc. Bishop's, Ph.D. Laval Asst. Prof.
Henneberry, G. O., B.Sc. Dal., M.Sc. Lectr.
1 Instr.

*Agricultural Economics*

MacFarlane, D. L., B.S.A., M.Sc. Sask., Ph.D. Minn. Prof.
Haviland, W. E., Ph.D. Harv. Assoc. Prof.
Carr, D. W., B.A. B.S.A. Sask., M.Sc. Wis., Ph.D. Harv. Sessl. Lectr.

*Agricultural Engineering*

Banting, E. A., B.S.A. Tor. Prof.
Cooper, J. H., B.Sc. (Agr.) Assoc. Prof.
Malloch, A. C., B.Sc. Qu. Asst. Prof.

*Agricultural Physics*

Rowles, W., B.Sc. Sask., M.Sc., Ph.D. Prof.
Oliver, W. F., B.A. McM., M.A., Ph.D. Tor. Assoc. Prof.
Kinnear, J. K., M.A. Br. Col. Lectr.

*Agronomy*

Raymond, L. C., M.S. Wis., B.S.A. Prof.
Lods, E. A., D. ès S. Montr., M.S.A. Assoc. Prof.
Brawn, R. I., B.S. Penn. State Asst. Prof.
Steppler, H. A., B.S.A. Manit., M.Sc. Assoc. Prof.

*Animal Husbandry*

Ness, A. R., B.S.A. Prof.
Hamilton, L. H., B.S.A. Tor., M.S. Wis. Assoc. Prof.
Moxley, J. E., B.Sc. (Agr.) Lectr.
Turgeon, J. P., B.S.A. Montr., M.Sc. Wis. Lectr.

*Animal Nutrition*

Crampton, E. W., B.S. Conn., M.S. Iowa, Ph.D. Corn., F.C.I.C., F.R.S.C. Prof.
Lloyd, L., B.Sc. (Agr.), M.Sc., Ph.D. Asst. Prof.
1 Asst.

*Animal Pathology*

Dale, D. G., D.V.M. Tor. Asst. Prof.

*English*

Avison, H. R. C., M.A. Assoc. Prof.

*Entomology*

Brittain, W. H., M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.R.S.C., F.A.I. Dean and Prof.
Du Porte, E. M., B.S.A., M.Sc., Ph.D. Assoc. Prof.
Morrison, F. O., B.A., M.Sc. (Agr.) Alta., Ph.D. Assoc. Prof.
Bigelow, R. S., B.Sc. (Agr.) Asst. Prof.

Whitehead, W. E., M.Sc. Asst. Prof.

*Horticulture*

Murray, H. R., B.S.A. Tor., M.Sc. Corn. Assoc. Prof.
David, J., L.S.A. Montr., Ph.D. Calif. Asst. Prof.
Taper, C. D., M.Sc.Agr. Br. Col., Ph.D. Manit. Asst. Prof.
Pettit, D. W., B.S.A. Tor. Lectr.

*Plant Pathology*

Coulson, J. G., M.Sc. Qu., D.Sc. Laval Prof.
Callen, E. O., B.Sc., Ph.D. Edin., F.L.S. Asst. Prof.
Olsen, O. A., B S.A. Sask., M.Sc. Manit. Asst. Prof.
1 Asst.

*Poultry Husbandry*

Maw, W. A., M.S.A. Prof.
Nikolaiczuk, N., M.Sc. Alta., Ph.D. Ohio State Assoc. Prof.

### Institute of Parasitology

Cameron, T. W. M., T.D., M.A., D.Sc. Edin., Ph.D. Lond., F.R.S.C. Director and Prof.
Fairbairn, D., B.A. Qu., Ph.D. Rochester Assoc. Prof.
Harpur, R. P., B.Sc. N.Z., M.Sc., Ph.D. Asst. Prof.
Choquette, L., D.V.M. Montr., M.Sc. Lectr.
1 Asst.

### Handicrafts

1 Instr.

### Household Science

Neilson, Helen R., M.B.E., B.H.S., M.Sc. Dir. and Assoc. Prof.
Honey, F. Isabel, M.A. Tor. (Home Econ.) Assoc. Prof.
Devereaux, Helen L., M.A. Tor. Asst. Prof.
Farmer, Florence A., B.H.S., M.Sc., Ph.D. (Nutrition) Asst. Prof.
Trapp, Margaret A., M.A. Col., B.Sc. (H.Ec.) Asst. Prof.

Lecturers

Brown, Kathleen H., B.Sc. (H. Ec.).
Jenkins, Marjorie M., B.Sc. (H. Ec.), M.Sc. Alta.
Mowles, Mrs. Doris S., B.Sc. (H. Ec.).
Stewart, Margaret S., B.H.S.
Stickwood, Alice M., B.S., M.A. Col.
MacFarlane, Gertrude Sessl. Lectr.
1 Demr., 1 Asst.

### School for Teachers

Munroe, D. C., M.A. Dir. and Prof. of Educn.
Hall, C. W., M.A. Bishop's Prof.
Hanson, F. K., Mus.D. (Music) Assoc. Prof.
Bowers, Phyllis, B.A. Qu. Asst. Prof.
Hawkins, S. C. McL., D. de l'U. Paris, M.A. Asst. Prof.
Henry, A. M., B.A. Lond., M.A. (Educn.) Asst. Prof.

Lecturers

Jacques, A. Elizabeth.
Péron, Adèle P., B.Sc. (P.Ed.).
Seksmith, Frances A., B.A. Tor.
Woodburn, Rachel E. L., B.A. Qu., M.A. Middlebury.
Doxsee, Rev. F. A. C., B.A. Tor. and Oxon. (Relig. Instruction) Hon. Lectr.
Kilpatrick, G. G. D., D.S.O., B.A., D.D. Tor., D.C.L. Bishop's, LL.D. Mt. All. Hon. Lectr.

## ADMINISTRATIVE AND OTHER STAFF (MACDONALD COLLEGE)

Physician in the Macdonald Health Service: Kelso, R. F., M.B., M.A. Qu. Asst. Supt. of Bldgs. and Grounds: Langley, J. A. Athletics Director:

Meagher, J. W., B.A. Loyola, B.Sc. (P.Ed.). Lectr. in Health and Phys. Educn.: Péron, Adele P., B.Sc. (P.Ed.). Warden, Men's Residence: Ness, O. McG., B.Sc. (Agr.). Warden, Women's Residence: Strang, Marion G.

## AFFILIATED INSTITUTIONS

ACADIA, ALBERTA, MT. ALLISON AND ST. FRANCIS XAVIER UNIVS. Students who have completed the 3-yr. course in Engin. of these Univs. are admitted directly to the 4th yr. in McGill Engin. courses, except in Chemical Engin., for which special arrangements are at present necessary.

NOVA SCOTIA AGRICULTURAL COLLEGE, Truro, N.S. Principal—Kenneth Cox, B.S.A. Tor., M.S.A. McG. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in the Faculty of Agriculture at Macdonald College.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I.: Principal—F. MacKinnon, M.A.; and MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Newfoundland: President—Raymond Gushue, C.B.E., Q.C., LL.B., D.Cn.L. K.C.N.S. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in some of the undergraduate faculties.

## AFFILIATED THEOLOGICAL COLLEGES

DIOCESAN COLLEGE OF MONTREAL, 3473 University Street, Montreal, P.Q. (*Telephone*: Marquette 3004.) Principal—Rev. Robert H. L. Slater, M.A. Camb., Ph.D. Col.

PRESBYTERIAN COLLEGE, 3485 McTavish Street, Montreal, P.Q. (*Telephone*: Plateau 5754.) Principal—Rev. Robert Lennox, M.A., Th.B., D.D.

UNITED THEOLOGICAL COLLEGE, 3508 University Street, Montreal, P.Q. (*Telephone*: Belair 0752.) Principal—Rev. George G. D. Kilpatrick, D.S.O., B.A., D.D. Tor., D.C.L. Bishop's, LL.D. Mt. All.

## GENERAL INFORMATION

Established in 1821 by Royal Charter. For early history and constitution, *see Yearbook* for 1929. Income from Investments, about $1,600,000.

EQUIPMENT. *Libraries*: General, 650,000 vols. (incl. Macdonald Agric. Coll. library); Medical, 77,200 vols. Special collections: Blackader Library of Archit.; Blacker Library of Zool.; Lyman Collection of Entomol.; Osler Library of the Hist. of Medicine and Science (12,316 vols.); Redpath Pamphlet Collection; and Wood Library of Ornithol. *Laboratories*: Anat., Bact., Genetics, Geol., Chemistry, Physics, Zool., Bot., Physiol., Biochem., Pharmacol., Neurol., Engin., Electronics, Psychol. and Psychiatric Research, Medical Research, Pulp and Paper Research, Agric. Research, Radiation (with cyclotron), Biophysics, Health and Social Medicine. *Research Institutes*: Biophysics, Parasitology, Psychiatry, Indust. Relns., Int. Air Law, Neurological, Arctic, Personnel Appraisal. *Farm*, Livestock and Grain, 876 acres. *Astron. Observatory*. *Medical Museum* (Strathcona), collection on disturbances of heart and vascular system and aneurisms. *Redpath Museum* (botanical, geological and zoological collections). Ethnological, Library, McCord (Canadiana) Museums. *Hospls.* available for clinics, 2000 beds in affiliated hospitals.

FACULTIES AND DEANS, v. p. 745.

SCHOOLS AND DIRECTORS. *Archit.*—J. Bland ; *Commerce*—H. D. Woods ; *Household Science*—Helen Neilson ; *Library Science*—Miss Vernon Ross ; *Nursing*—Miss Rae Chittick ; *Physical Education*—J. B. Kirkpatrick ; *Physiotherapy*—G. H. Fisk ; *Social Work*—J. J. O. Moore ; *Teachers*—D. C. Munroe.

ADMISSION. The matriculation examns. of the Canadian provinces and the British General Certificate of Education with passes in five subjects, including certain required papers, qualify in general for admission to the first year of Arts and Science, Engineering and some other faculties. Additional Univ. work is required for other faculties, *e.g.* Dentistry, 2 years. Medicine normally, and Social Work and Library School always, require a Bachelor's degree. For full details, *see* the General Announcement and the separate announcements of the faculties and schools concerned. Enquiries should be addressed to the Registrar. *See also* Appendix I.

DEGREE COURSES. Mus.B., 3 yrs. ; B.A., B.Com., B.Sc., B.Sc. (Agr.), B.Sc. (H.Ec.), B.Sc. (Phys.Ed.), 4 yrs. ; B.Eng., 5 yrs. ; B.Arch., D.D.S., 6 yrs. ; B.L.S. (Library Science), 1 yr. postgraduate; B.D., 3 yrs. postgraduate; M.D., C.M., 4 yrs. postgraduate ; B.C.L., 4 yrs. after B.A. ; B.N. (Nursing), 3 yrs.

HIGHER DEGREES. M.A., M.Com., M.C.L., M.Sc., M.Eng., LL.M., M.Arch., M.S.W., M.Sc. (Appl.), S.T.M. (Theol.)—1-yr. resident graduate study, thesis and examn. ; Ph.D., D.Sc. (Appl.)—3 yrs.' graduate study ; D.C.L. —by valuable contribution to legal science ; Mus.D.—by a composition and examn. not less than 7 yrs. after taking the Mus.B.

DIPLOMAS. Graduate Nurse's, 1 yr. ; L.Mus., 3 yrs. ; Phys. and Occupational Therapy, 3 yrs. Postgraduate—D.P.H., D.T.M., 1 yr., and Teacher's (awarded by Province of Quebec), 1 yr. Postgraduate Diplomas are also awarded in the Fac. of Med. in the following clinical specialties : Anæsthesia, Dermatol. and Syphilol., Internal Med., Neurol. and Neurosurg., Obstetrics and Gynæcol., Ophthalmol., Otolaryngol., Pædiatrics, Psychiatry, Radiol., Surg. and Urol. These courses are open to approved medical graduates, and cover at least 3 yrs. of study.

DIPLOMA COURSE IN AGRICULTURE. The Diploma Course in the Faculty of Agriculture consists of two sessions of five mos. each (Nov. to March inclusive). Closely connected with this course is the " Old Country boy " project, under which boys from the British Isles are encouraged to take up the diploma course at Macdonald College so as to fit them for the work of farming, and every effort is made to give them both the theoretical and the practical education that is needed.

ATTENDANCE at lectures at the Univ. is indispensable for a degree or diploma, except in Music.

SUMMER SCHOOLS. In French and Geography.

FEES (1952–53). Yearly tuition : Arts, $350 ; Sci., $375 ; Fine Arts, $325 ; Engin., $450 ; Archit., $450 ; Med., $575 ; Dent., $475 ; Law, $375 ; Divinity, $300 ; Music, $350 ; Library School, $390 ; Comm., $375 ; Phys. Educn., $375 ; Social Work, $375 ; Sch. for Grad. Nurses (Dipl. course), $300 ; (Degree course), $350 ; Phys. and Occupational Therapy, $375 ; Grad. Fac. yearly tuition fees : Full-time required study in residence, $300 ; resident study beyond minimum period, $25 ; non-resident registration, $10 ; for D.C.L. and Mus.D. only, combined registration and graduation fee, $200.

FELLOWSHIPS, SCHOLARSHIPS AND BURSARIES. There are a number of scholps. and bursaries tenable in the undergraduate faculties and a number of fellowships and assistantships in the graduate faculty. There are also loan funds available to students in upper years. Details of all these are given in the Scholps. Announcement which the Registrar's Office will be glad to send to enquirers.

RESIDENCE. I. In Montreal. Women: Royal Vic. Coll., 555 Sherbrooke St. West, Montreal, P.Q. (*Telephone*: MA 9181) (301 students)—Warden: Dr. Muriel V. Roscoe, $660-$685 p.a.; McLennan Hall, 3480 Ontario Avenue, Montreal, P.Q. (*Telephone*: HA 4988) (28 students), $350-$535 p.a. Men: Douglas Hall, 3851 University Street, Montreal P.Q. (*Telephone*: MA 9181) (147 students)—Warden: Dr. W. Stanford Reid, $610-$750 p.a., depending on course; Wilson Hall (71 students), $610-$650 p.a., depending on course. II. In Ste-Anne de Bellevue, Macdonald Coll., almost completely residential, with special quarters for married ex-Service students.

STUDENT HEALTH. An annual med. examn. is required of every student. The Univ. provides regular consulting service for all students and full medical and nursing services for men and women in residences. It also makes some contribution towards necessary hospital expenses.

ATHLETICS. Opportunities are provided for taking part in the following sports: *For men*: Canadian and English Rugby football, Association football, Ice-Hockey, Basket-ball, Track, Swimming, Gymnastics, Boxing, Wrestling, Fencing, Skiing, Tennis. *For women*: Gymnastics, Dancing, Badminton, Swimming, Volley-ball, Basket-ball, Tennis, Archery, Golf, Skiing, Skating.

MILITARY TRAINING. Univ. contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve) and Canadian Air Force (Reserve).

EXTENSION WORK. Extension courses in approx. 75 subjects are given in the afternoon and evenings for residents of Montreal and vicinity. Some prepare students for special examns., such as are required by the various Accountancy Associations (leading to diplomas of C.A., C.P.A., etc.), and the Inter. and Final examns. of the Chartered Inst. of Secretaries: a few may be counted for the degree of M.Eng. Rural extension work is carried on through Macdonald College.

REPRESENTATIVE IN GREAT BRITAIN. H. E. C. Rubie, B.Sc. Oxon., c/o The Canadian-British Education Committee, 62 Trafalgar Square, London, W.C.2, England. *Telephone*: Whitehall 5100.

PUBLICATIONS. (Free): *Calendar* (Oct.); *General Announcement* (for intending students) (May); *Faculty and School Announcements* (May to Aug.); *Directory of Staff* (Feb.); *Annual Report* (Dec.); *McGill News*, quarterly, by Graduates' Soc.; *McGill Daily*, by students. *McGill and its Story, 1821–1921*, by Cyrus Macmillan (London, John Lane; Toronto, Oxford Univ. Press, $3); *A Historical Sketch of the Medical Faculty and of the Origin of McGill University*, by Dr. Maude Abbott, reprinted from Montreal Medical Journal, 1902; *Oldest McGill*, by E. A. Collard (Macmillan, $2); *McGill University at War, 1914–18, 1939–45*, by R. C. Featherstonhaugh (McGill University, 1947, $3).

## THE YEAR 1951–52

BENEFACTIONS. 5,053,099.

NEW BUILDINGS. Extension to Neurol. Inst. continued; extension to Univ. Library continued.

RETIREMENTS. Prof. A. Goldbloom (Pædiatrics); Prof. A. L. Phelps (English); Prof. C. A. Robb (Mech. Engin.); Prof. R. L. Stehle (Pharmacol.).

RESIGNATIONS. Prof. Benjamin H. Higgins (Econ.); Prof. Elva Honey (Nursing); Assoc. Prof. Paul M. Stafford (Mech. Eng.); Chancellor O. S. Tyndale.

DEATHS. Emer. Prof. F. C. St. B. Harrison (Bacteriol.); Assoc. Prof. Algy S. Noad (Engl.); Hon. Assoc. Prof. W. E. Swales (Anim. Path.); Emer. Prof. Ramsay Traquair (Archit.); Emer. Prof. Hermann Walter (German).

HONORARY DEGREES. *D.Sc.*—J. R. Donald; A. O. Dufresne; The Rt. Hon. Lord McGowan; T. K. Sherwood; O. McK. Solandt; J. R. Timmins; J. J. O'Neill. *LL.D.*—A. N. Shaw; Rev. F. Vaudry. *D.C.L.*—J. G. Saxe. *D.D.*—C. E. Raven.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 153 | 4516 |
| Women | 241 | 1691 |
| Total | 394 | 6207 |

Postgraduate students, 700.

First-year admissions, 1223.

Students from other countries, 823 (from U.K., 53; Jamaica, 50; Barbados, 29; Trinidad and Tobago, 24; other Commonwealth countries, 92; U.S.A., 375; Greece, 38; Colombia, 19; Mexico, 13; other foreign countries, 130).

DEGREES. B.Sc. (Agric.), 87; B.Arch., 27; B.A., 257; M.A., 28; B.Com., 116; D.D.S., 36; B.D., 6; B.Eng., 226; M.Eng., 17; B.F.A., 22; B.Sc. (H.Ec.), 37; B.C.L., 41; B.L.S., 33; M.D., C.M., 112; B.N., 13; B.Sc. (P.Ed.), 25; B.Sc. 190; M.Sc., 66; B.S.W., 27; M.S.W., 14; Ph.D., 70; M.Ps.Sc., 3.

DIPLOMAS. Grad. Nurses, 43; Music (L.Mus.), 6; Grad. Dip. in Med., 31; Physical and Occupational Therapy, 15.

MACDONALD COLLEGE DIPLOMAS. Agric., 16; Advanced Agric., 1; Homemakers, 11.

# McMASTER UNIVERSITY*

Founded 1887

*Postal Address*: Hamilton, Ontario, Canada.
*Telephone*: 3-7104.

CHANCELLOR—E. C. FOX, B.A., LL.D.

CHAIRMAN OF THE BOARD OF GOVERNORS—Hon. Mr. JUSTICE R. L. KELLOCK, Q.C., B.A., LL.D.

PRESIDENT AND VICE-CHANCELLOR—GEORGE PEEL GILMOUR, M.A. Yale, D.D. Vic. Tor., St. And., D.C.L. Acad., LL.D. Qu., Laval, B.A., B.D.

PRINCIPAL, HAMILTON COLLEGE—H. G. THODE, M.B.E., M.Sc. Sask. Ph.D. Chic., F.R.S.C., F.C.I.C.

DIRECTOR OF EXTENSION AND SUMMER SESSION—C. H. STEARN, M.A. Camb., B.D. Lond., Ph.D. Tor.

DEANS—*Arts and Science*—Professor H. S. ARMSTRONG, M.A. Tor., Ph.D. Chic.; *Assoc. Dean of Arts and Science*—Professor A. W. PATRICK, M.A. Manit., D. de l'U. Paris; *School of Divinity*—Professor N. H. PARKER, B.S. Mississippi, Th.D. South. Bap. Th. Sem.

REGISTRAR—CHARLES W. H. LINTON, B.A.

BURSAR AND SECRETARY TO THE BOARD OF GOVERNORS—W. N. PATERSON, B.A.

LIBRARIAN—MARGET H. C. MEIKLEHAM, M.A.L.S. Mich., B.A.

## TEACHING STAFF

### UNIVERSITY COLLEGE

*Classics*

Stearn, C. H., M.A. Camb., B.D. Lond., Ph.D. Tor. Prof.
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., M.B.E., B.A. Tor., M.A. Oxon. and Tor. Asst. Prof.

*Fine Arts*

Jackson, Naomi, M.A. McG., A.M., Ph.D. Radcliffe Asst. Prof.

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

*French*, v. Romance Languages

*German*

Martin, A. P., A.B. Brown, M.A., Ph.D. Wis. Prof.
Denner, K., M.A. Kentucky, Ph.D. Johns H. Lectr.
Heimrich, C. W., B.A. Tor., M.A. Ill. Sessl Lectr.

*History*

New, C. W., B.A. Tor., Ph.D. Chic., B.D., F.R.Hist.S., F.R.S.C. Emer. Prof.
Macdonald, N., B.A. Qu., M.A. Harv., Ph.D. Edin., F.R.Hist.S. Messecar Prof.
Salmon, E. T., B.A. Syd., M.A., Ph.D. Camb. (Ancient H.) Prof.
McCready, H. W., M.A. Tor., Ph.D. Harv. Assoc. Prof.
French, G. S., M.A. Tor. Lectr.
Kilbourn, W. M., B.A. Tor. and Oxon., A.M. Harv. Sessl. Lectr.
Johnston, C. M., M.A. Penn., B.A. Sessl. Lectr. (on leave 1953–54).

*Philosophy, Psychology and Ethics*

Waters, F. W., Ph.D. Yale, B.A., B.D. Prof.
Dulmage, H. A., Ph.D. Chic., B.A., B.D. Assoc. Prof.
Jury, G. S., M.B.E., M.A., Ph.D. Yale, B.A. Prof.
Nicholson, R. H., M.A. Tor. (Psychol.) Sessl. Lectr.

*Political Economy*

Michell, H., B.A. Oxon., M.A. Manit., F.R.S.C. Emer. Prof.
Graham, J. E. L., M.A., B.Litt. Oxon., B.A. Tor. Prof.
MacGibbon, D. A., Ph.D. Chic., M.A., LL.D., F.R.S.C. Prof.
McIvor, R. C., B.A. W. Ont., M.A., Ph.D. Chic. Prof.
Thompson, W. D., B.A. Tor., M.A. Qu. Asst. Prof.
Soule, H., B.A. Sp. Lectr.
Dixon, H. C., B.Com. Tor. Sp. Lectr.
Hunter, W. D. G., B.A. Oxon., M.A. Edin. Asst. Prof.
Novak, D., B A. Tor. Lectr.

*Romance Languages*

Patrick, A. W., M.A. Manit., D. de l'U. Paris
Prof., Assoc. Dean Arts and Sci.
Freeman, H. A., B.A. Sask., M.A. Tor. (French) Prof.

Assistant Professors

Bronner, F. J. L., B.A. Qu., M.A. McG., Ph.D. Ott. (French).
Stock, Marie, B.A. Qu., M.A. McG. (French) (on leave 1953–54).
Hampel, L. E., M.A. Tor. (Span.) Lectr.
Peterson, H., M.A. Tor. (Span.) Sessl. Lectr.

*Spanish*, v. Romance Languages

## Hamilton College

*Botany and Conservation*

Radforth, N. W., M.A. Tor., Ph.D. Glas. Prof.
Miller, J. J., B.A., Ph.D. Tor. Assoc. Prof.
MacClement, W. D., B.A. Qu., Ph.D. Camb. Assoc. Prof.
Laking, I., B.S.A. Tor. Sp. Lectr.

*Chemistry*

Thode, H. G., M.B.E., M.Sc. Sask., Ph.D. Chic., F.R.S.C., F.C.I.C.
Prof., Principal of Hamilton College.
Basterfield, 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. Prof.

Graham, R. P., M.A. Qu., Ph.D. Col., F.C.I.C. Prof.

Bourns, A. N., B.Sc. Acad., Ph.D. McG. Prof.

Hutcheon, A. T., M.A. Sask., Ph.D. McG. Asst. Prof.

Kirkwood, S., B.Sc. Alta., M.S., Ph.D. Wis. (Biochem.) Assoc. Prof.

Tomlinson, R. H., B.Sc. Bishop's, Ph.D. McG. Asst. Prof.

Rooney, C. E. S., M.A. Sask., Ph.D. McG.
Post-Doctorate Fellow in Chem., Nat. Res. Council of Can.

*Geography and Anthropology*

Reeds, L. G., M.A. Tor. Asst. Prof.

Parker, W. H., M.A., B.Sc. Oxon. Asst. Prof.

Wood, H. A., M.A. Lectr.

*Geology*

Armstrong, H. S., M.A. Tor., Ph.D. Chic.
Prof., Dean Arts and Sci.

Sujkowski, Z. L., B.Sc., Ph.D., D.Sc. Warsaw
Assoc. Prof. for 1953–54.

Scott, H. S., M.A.Sc. Tor.
Asst. Prof. (Pt.-time).

Shaw, D. M., M.A. Camb., Ph.D. Chic., F.G.S. Asst. Prof.

Crabb, J. J., M.A. Br. Col. Sessl. Lectr.

*Mathematics*

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., D.Phil. Rand., M.Sc. Camb. Assoc. Prof.

Britton, F. R., B.Sc. Wales, Ph.D. Tor., M.A. Asst. Prof.

Lane, N. D., B.A. Qu., M.A., Ph.D. Tor. Asst. Prof.

McCallion, W. J., M.A. Lectr.

*Nursing Education*

Reid, Alma E., B.A. Tor.
Asst. Prof., Dir. of N. Educn.

Alderson, Henrietta J., B.Sc. Col. Lectr.

Graham, Clara I., M.A. Col., B.A. Lectr.

Greenaway, Florence I., B.N. McG. Lectr.

Riddell, Frances, M.S. Boston, B.A. Instr.

*Physics*

McLay, A. B., M.A., Ph.D. Tor., B.A., F.R.S.C. Prof.

Duckworth, H. E., B.A., B.Sc. Manit., Ph.D. Chic. Prof.

Johns, M. W., Ph.D. Tor., M.A. Prof.

Gulbis, F., M.Sc. Petrograd and Riga Assoc. Prof.

Preston, M. A., M.A. Tor., Ph.D. Birm. Assoc. Prof.

Dewdney, J. W., M.Sc. McG., B.A. Sp. Lectr.

*Zoology*

Kleerekoper, H., Grad. Agric. Sch. of Neths., M.A., Ph.D. Mich. Prof.

Davies, D. M., B.A., Ph.D. Tor. Asst. Prof.

Delzell, D. E., B.Sc. Toledo, M.Sc. Mich. Asst. Prof.

SCHOOL OF DIVINITY

*Church History*

Albaugh, G. P., A.B. Ohio State, B.D. Colg.-Roch.
Assoc. Prof.

*Hebrew and Old Test. Interpretation*

Parker, N. H., B.S. Mississippi, Th.D. South. Bap. Th. Sem.
Prof., Dean Divinity Sch.

*Homiletics and Pastoral Theology*

Clifford, P. R., M.A. Oxon.
Sessl. Lectr.

*Leadership Training*

Tupper, Lois A., B.A., B.Ed. Sask., M.A. Col.
Asst. Prof. of Religious Educn., Dir. Leadership Trng. Sch.

Bates, Mrs. Marion, B.A.
Sp. Lectr. in Practical Nursing, Dean of Women.

*Missions and Religious Education*

Kitchen, L. C., Ph.D. Hartfd., M.A.
Assoc. Prof., Dir. of Field Work for Divinity Students.

*New Testament Interpretation*

Lang, H. W., S.T.M. Union, M.A., B.D. Prof.

*Practical Theology*

Stewart, H. S., A.B. Harv. and Roch., D.D. Roch., B.D. Roch. Theol. Sem.
Prof., Emer. Dean of Theol.

*Speech*

Bullen, F., B.A., B.D. Sp. Lectr.

*Theology*

Aldwinckle, R. F., B.A. Lond., M.A. Oxon., D.Th. Stras.
Assoc. Prof.

Harrop, G. G., Ph.D. Chic., B.A., B.D. Lectr. in Bibl. Studies.

## ADMINISTRATIVE AND OTHER STAFF

Dir. of Placement and Guidance: J. E. Andoff, B.A. Dean of Women: Mrs. Edgar Bates, B.A. Dir. of Nursing Educn.: Alma E. Reid, B.A. Tor. Dir. of Women's Leadership Training Sch.: Lois A. Tupper, B.A., B.Ed. Sask., M.A. Col. Asst. to Principal and Sec. to Bd. of Governors of Hamilton Coll.: D. M. Hedden, B.Sc. Asst. Dir. of Univ. Extension and Summer Session: W. J. McCallion, M.A. Asst. Librarian: Dorothy Davidson, B.A.L.S. Tor., M.A. Accountant: C. H. M. Vinnels. Supt. of Bldgs. and Grounds: E. T. Clarke. Dir. of Alumni Relations: D. W. Allaby, B.A. Asst. Registrar: A. S. Barley, B.A.

ATHLETICS AND PHYSICAL EDUCATION. Dir., I. Wynne, M.S. (Ed.) Syracuse, B.A. Asst. Dirs.: Joan Christie, B.P.H.E. Tor.; L. A. Prince; A. J. Smith, B.S.A. Tor.; D. Fawcett, B.P.H.E. Tor., Instr.

UNIVERSITY NAVAL TRAINING DIVISION. Cmdr. (S.B.) A. B. McLay, Cmdg. Officer; Staff Officer; A./Lt. (S.B.) G. G. Harrop, Divisional Officer.

CANADIAN OFFICERS' TRAINING CORPS. Maj. E. T. Salmon, Officer Cmdg.; Maj. C. T. Cuthbertson, Resident Staff Officer; Lt. L. E. Hampel, Adjutant. University Air Squadron, Primary Reserve. Flight-Lt. D. W. MacClement, Cmdg. Officer.

## GENERAL INFORMATION

McMaster University, named after Senator William McMaster (1811–87), whose will provided its original endowment, operates under the terms of an

Act of Incorporation granted by the Legislative Assembly of Ontario in 1887 and revised in 1949. The University corporation consists of the Board of Governors, sixteen of its eighteen members being elected by the Baptist Convention of Ontario and Quebec. Academic work is directed by a Senate composed of the members of the Board of Governors and representatives of the faculty and the graduates. There are no religious tests for students, but persons holding regular teaching appointments under the Board of Governors must be members of an evangelical church. This does not apply to members appointed to the Hamilton College staff.

Historically, the University is the outgrowth of educational work begun in Canada Baptist College, Montreal (1838–49). But the educational programme, of which the Univ. is the continuing result, dates from 1857, when the Canadian Literary Institute was founded in Woodstock. The theological part of the work of this co-educational school was transferred in 1881 to Toronto, where a building had been erected for it by Senator McMaster. It took the name Toronto Baptist College. The Institute then became Woodstock College, which continued as a preparatory school for boys until it closed in 1926. The two colleges formed the nucleus of McMaster Univ. when it was incorporated in 1887.

Changed educational conditions led in 1927 to the decision of the board of Governors to move the Univ. to Hamilton, which decision was approved by the Convention, the removal being completed in 1930, the forty-first academic session opening on the new site.

In Jan. 1948, an important reorganization of the Univ. for purposes of administration and finance was carried through. Students and academic depts. were divided into three colleges: The Divinity School, a College of Theology operated mainly on a postgraduate basis; University College, the Arts College of the Univ., in which all Junior Division students are registered; and Hamilton College, which maintains under its own Board of Governors the depts. of Physics, Chem., Mathematics, Geog., Geol., Bot., Zool. and Nursing Education. Hamilton College is an affiliated college of the Univ., legally and financially independent, but under the academic control of the Univ.'s Senate.

INCOME for July 1951 to June 1952. Endowment, $88,953; Grants—Govt., $459,024; Other, $49,193; Fees, $276,835; Sundries, $31,058; Ancillary enterprises, $254,472; total, $1,159,535.

FACULTIES AND DEANS, v. p. 768.

LIBRARY, 80,000 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. Library also maintains Science Reserve Book Reading Room in Hamilton Hall, which houses reference and reserve books in sci., as well as the more important sci. periodicals.

UNIVERSITY ENTRANCE REQUIREMENTS. *To Preliminary Year*: Ontario Secondary Sch. Dipl. in the general 4-yr. course, with 3 options including a foreign lang. Jr. Matriculation or equivalent standing from other provinces or countries accepted (60 per cent. average required). *To Year I of Arts and Science*: Ontario Secondary Sch. Honour Graduation Dipl. (Grade XIII) in

5 subjects, with at least 8 papers for Arts or Nursing, and 9 papers for Sci., including subjects proper for the desired course. A foreign lang. required for all courses.

*G.C.E.* (Oxon. and Camb.): Admission to Year I upon presentation of G.C.E. in 5 or 6 subjects, 2 of which must be at Advanced level, and conforming to subjects pre-requisite for course chosen. Admission to Preliminary Year on satisfactory completion of G.C.E. at lower levels or the equivalent to Ontario Grade XII or Junior Matriculation.

*Certif. of High Sch. Graduation* recognized by Coll. Entrance Bd. of U.S.A. accepted for admission to Preliminary Year.

*Special Admission Regulations*: Students whose matriculation credits do not fit exactly into the above requirements may communicate with the Registrar for a special ruling on their individual case. *See also* Appendix I.

DEGREE COURSES. 3-yr. pass course for B.A., 4-yr. general for B.A., 4-yr. honour for B.A., 4-yr. honour for B.Sc., 5-yr. course for B.Sc.N.

HIGHER DEGREES. M.A., 1 yr. minimum after B.A.; M.Sc., 1 yr. minimum after B.Sc.; B.D., 3-yr. course after B.A.; Ph.D., 3 yr. minimum after B.Sc. in Chem., Bot., Phys. and Zool. 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 Trng. Division offers a programme for training of potential Officers in the R.C.N. and the R.C.N. (R.). It is planned for advancement of Probationary Cadets R.C.N. (R.) to rank of Cadet in middle of 1st yr. and for promotion to Commissioned Officer on completion of 2 summers of required training at establishments of R.C.N. and 3 winters of training at the Univ. Cadets are promoted to Acting Sub-Lieut. R.C.N. (R.) and are confirmed in rank upon graduation. The Univ. Contingent Canadian Officers' Training Corps qualifies selected Univ. undergraduates for a commission, on graduation, in the Canadian Army. Membership in the Univ. Air Squadron, Primary Reserve, is open to all students who have enrolled in the Univ. Reserve Trg. Plan or the Regular Officers Trg. Plan, R.C.A.F. These programmes of trg. provide a flow of qualified Univ. graduates into the commissioned ranks of the R.C.A.F. (Regular) and (Reserves).

FEES. Annual, Arts and Sci., $265 to $300; Theol., $85·50. These fees cover tuition, lab., registration, library, examns., athletics, medical services, student organizations and accident insurance.

RESIDENCE. For men, consists of 2 bldgs., Edwards Hall (*Telephones*: Centre House, 2-0884, North House, 2-0841, South House, 7-0671), has accomm. for about 100 students; Edwards Annexe (*Telephone*: 3-2562), for 30. Rates $471. For women, consists of 3 bldgs., Wallingford Hall (*Telephone*: 2-6819), West Wallingford (*Telephone*: 7-5391), and the Eleanor McKay House, Dundas (*Telephone*: Dundas 829), accommodating in all 135 students. Rates $488.

DEPARTMENT OF UNIVERSITY EXTENSION. 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 other educational services at the adult level for which there is a public demand and for which approved lecturers can be provided. The formal courses offer: (*a*) subjects carrying academic credit toward a B.A. degree, or toward the Vocational Guidance Diploma; (*b*) subjects taken toward fulfilment of requirements for the qualifcn. of Registered Industrial Accountant. 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.

BURSARIES, etc., open to undergraduates entering the Univ. Hamilton Citizens' Memorial Bursary, primarily for children of veterans from Wentworth County killed or disabled in second World War; free scholarships available for ministerial and other self-supporting students; applications to the Bursar.

PLACEMENT AND GUIDANCE SERVICE. Assists the student to solve his own educnal., vocational and personal problems, and to find part-time summer and full-time employment in accordance with his interests, needs and qualifications.

GRADUATES ASSOCIATIONS. The Univ. has local alumni branches in various cities in Canada and U.S., run by volunteer officers who depend on the Director of Alumni Activities at the Univ. for guidance and programmes.

UNIVERSITY STUDENT HEALTH SERVICE. Each new student given complete physical examn. on entrance, warned of special precautions which should be taken to guard against sickness, and advised as to his ability to take part in athletics, etc. Throughout the session the Univ. doctor holds daily office hours, when any students may consult him. Graduate nurses are on duty throughout the academic yr. The Univ. maintains 2 infirmaries, one for men and one for women. Cases requiring hospitalization are cared for in the infirmaries up to 3 days free. After that, an infirmary charge is made.

ATHLETICS. Opportunities for rugby, soccer, tennis, track, harrier, golf, basketball, swimming, skiing, hockey, badminton, fencing.

PUBLICATIONS. The *Report* of the Board of Governors and the Senate of McMaster Univ. to the Baptist Convention of Ontario and Quebec (published in the *Year Book* of the Baptist Convention of Ontario and Quebec); *Calendars*; *Bulletins* of the Dept. of Univ. Extension; *McMaster Alumni News*. *Undergraduate*: *The Muse* (pub. quarterly); the *Silhouette* (pub. weekly); the *Marmor* (pub. annually); *A Handbook and Directory* (pub. in Oct.).

## THE YEAR 1951–52

BENEFACTIONS. Total value, $40,350. L. V. Redman Estate, $27,958; W. F. Ratcliffe Estate, $1000; N. M. Patten, formerly of St. George, $927; over $1750, for furnishing of Divinity Sch. Common Room; $4766 (including $1500 from Women's Baptist Home Mission Society of Ontario West), for various free scholps. and bursaries; W. D. Burden of Ottawa, $1000, for aid to students; Optimists Club of Hamilton established Russell Love Memorial

Fund, $2037; $930 for Women's Leadership Trg. Sch.; Alumni Living Endowment Fund, $13,474.

NEW DEPARTMENT AND POST. The Atkinson Charitable Foundation authorized a grant of $20,000 payable over a three-year period to re-establish Dept. of Fine Arts, which was conducted between 1933 and 1943 and discontinued because of war conditions. The grant was made in view of the excellent equipment and materials for such work which the Univ. possesses. Asst. Prof. of Fine Arts apptd.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES AND COLLEGES. A number of Christian leaders visited the Univ., and a Religion and Life team was here on November, when Rev. Emlyn Davies of Yorkminster Church, Toronto, and Rev. Professor David Hay of Knox College, Toronto, lived and worked among the students for several days. The autumn ministerial retreat was on Oct. 26, with Professor H. H. Rowley of Manchester as speaker. Rev. W. A. Cameron of Toronto was lecturer and banquet speaker for Divinity School Day, Feb. 26.

RETIREMENT. Rev. Harold S. Stewart (Dean of Theol.), apptd. Emer. Dean of Theol. Dr. Stewart has continued his services to the Univ. as a pt.-time lectr.

RESIGNATIONS. Rev. H. E. Bridge (Registrar), to resume pastoral duties in North Bay; D. G. Seldon (Dir. of Alumni Activities), to take a post with the Canadian Westinghouse Co., Hamilton; Dr. F. Muller-Guggenbuhl (German), to return to Switzerland; Dr. Marjorie Trotter (Moulton Coll., Toronto), now actg.-principal of ladies' section of Anatolia Coll., Thessalonika, Greece.

DEATH. Dr. H. P. Whidden, McMaster's sixth Chancellor (1923–1941), died on Mar. 30.

HONORARY DEGREES CONFERRED. *LL.D.*—J. G. Althouse, Chief Dir. of Educn., Ont.; P. H. Hudson, President of Davella Mills Foundation; T. H. Matthews, Registrar of McGill Univ., and formerly Sec., National Conference of Canadian Univs.; D. H. Porter, Attorney-General of Ontario; H. H. Rowley, Prof. of Semitic Studies, Univ. of Manchester; E. J. Zavitz, Chief, Division of Reforestation, Dept. of Lands and Forests, Ontario.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 351 | 710 |
| Women | 251 | 290 |
| Total | 602 | 1000 |

Postgraduate students, 64 men, 9 women.

New admissions, 270 men, 92 women.

Students from other countries: U.S.A., 6; U.K., 2; West Indies, 5; South America, 6.

Students attending non-credit classes, 1023 men, 494 women.

DEGREES AWARDED. Ph.D., 2; M.A., 3; M.Sc., 13; B.A. (four-yr. courses), 31; B.A. (three-yr. courses), 150; B.Sc., 22; B.Sc.N., 9; B.D., 12.

DIPLOMAS AND CERTIFICATES. Dipl. in Theol., 12; Cert. in Theol., 2; Cert. of Women's Leadership Trg. Sch., 2; Vocational Guidance Dipl., 1.

[*Information compiled as at* 6/7/53.]

# THE UNIVERSITY OF MANITOBA*

**Founded 1877**

*Postal Address* : Winnipeg, Manitoba, Canada.
*Telegrams and Cables* : University of Manitoba, Canada.
*Telephone* : Winnipeg 449-110.

CHAIRMAN OF THE BOARD OF GOVERNORS—PAUL G. DU VAL, Q.C., B.A., LL.B.

CHANCELLOR—VICTOR SIFTON, C.B.E., D.S.O., LL.D.

VICE-CHANCELLOR AND PRESIDENT—A. H. S. GILLSON, O.B.E., M.A. Camb., LL.D. McG.

REGISTRAR—DOUGLAS CHEVRIER, B.A.

ASSISTANT REGISTRAR—ROBERT C. ARMATAGE, B.A.

DEANS—*Agriculture*—J. R. WEIR, B.S.A. Tor., M.Sc. Alta., Ph.D. Minn.; *Arts and Science*—W. J. WAINES, M.A.; *Education*—N. V. SCARFE, M.A. Lond.; *Engineering and Architecture*—A. E. MACDONALD, M.Sc. (C.E.) McG., F.C.I.C.; *Law*—G. P. R. TALLIN, Q.C., B.A. Oxon., LL.B.; *Medicine*—L. G. BELL, M.D., F.R.C.P.Can.; *Graduate Studies and Research*—W. H. McEWEN, M.Sc. Sask., M.A., Ph.D. Minn.

COMPTROLLER—F. W. CRAWFORD, B.S.A.

LIBRARIAN—ELIZABETH DAFOE, B.A.

DEAN OF WOMEN—MARJORIE MACKAY, B.A.

## TEACHING STAFF

*Actuarial Mathematics and Statistics*

Ritcey, L. F. S., B.A. Mt. All., M.A. Harv., Ph.D. Chic. Prof.
Crofts, G., B.Com. Assoc. Prof.

*Agriculture*, v. *infra*

*Anatomy*, v. also Med.—Surg.

Thompson, I. M., B.Sc., M.B., Ch.B. Edin. Hd. of Dept., Prof.
Bowie, D. J., B.Sc. (Med.), M.A., Ph.D. Tor. Assoc. Prof.
Sigurdson, L. A., M.A., M.D. Asst. Prof.

Lecturers

Klass, A. A., B.A., M.D., F.R.C.S. Ed. and Can.
Merkeley, N. P., M.D.
Decter, P. H., M.D., F.R.C.S.
Stuart, F. G., B.A. Sask., M.D., D.M.R.T. Lond.

*Architecture and Interior Design*

Russell, J. A., B.Sc. (Arch.), M.Arch. M.I.T. Dir. of School, Prof.

Associate Professors

Sellors, R., M.Arch. M.I.T., B.Arch.

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

Elarth, H. A., M.Sc. (Arch.) Ill.
Kostka, V. J., Ing. Arch. Prague.
Gerson, W.

Assistant Professors
Chrabaszcz, J. J., B.F.A. Syracuse.
Donahue, A. J., B.Arch. Minn., M. Arch. Harv.
Dunklee, D. L., B.Arch. N.Y.
Graham, J. W., B.Arch.
Harland, Joan M., M.A. Col., B.Arch.

Lecturers
Austmann, Miss Raquell, B.I.D.
5 Assts.

*Art*
McCloy, W. A., M.A., M.F.A. Iowa
Prof. and Dir. of Sch. of Art.
Bowman, R., B.F.A. Chic., M.F.A. Iowa — Assoc. Prof.
Richards, C. C. — Assoc. Prof.
Wise, R. — Asst. Prof.
Eliasson, G. — Lectr.

*Astronomy*, v. Maths.

*Biochemistry*
White, F. D., Ph.D. Edin., F.R.I.C., F.C.I.C.
Hd. of Dept., Prof.
Delory, G. E., M.Sc., Ph.D. Lond.
Assoc. Prof.

Lecturers
Suderman, H. J., M.Sc.
Morris, J. E., B.Sc., M.B., Ch.B. Vic., M.D. Roch.

*Botany*
Leach, W., M.Sc. Manc., Ph.D., D.Sc. Birm., F.R.S.C.
Hd. of Dept. and Prof.
Löve, A., Ph.D., D.Sc.
Assoc. Prof.
Weresub, Luella, B.A. Qu., M.A. Tor. — Asst. Prof.
1 Graduate Asst.

*Business Administration and Finance*
Rollit, J. B., M.A., Ph.D. McG.
Prof. and Dir. of School of Commerce.
Donaldson, G., M.A. Tor., M.B.A. Chic., B.Com. — Assoc. Prof.
Lazer, W., B.Com., M.B.A. Chic.
Asst. Prof.
Johnson, F. (Accounting) Lectr.
2 Sessl. Lectrs., 1 Asst.

*Chemistry*

Professors
Campbell, A. N., D.Sc. Aberd., M.Sc., Ph.D. Lond., F.R.I.C., F.R.S.C., F.C.I.C. Hd. of Dept.
Robinson, A. D., M.A. Sask., Ph.D. Minn.
Charlesworth, E. H., M.A. Qu., D.Phil. Oxon., F.C.I.C.

Associate Professor
Hiebert, P. G., M.A. Tor., M.Sc., Ph.D. McG., B.A., F.C.I.C.

Assistant Professors
Funt, B. L., M.Sc. Dal., Ph.D. McG.
Biermann, W. J., B.S. St. Louis, Ph.D. Wis.
Kartzmark, Eleanor M., M.Sc.
Loudfoot, J. H., B.Sc. Glas.

*Classics*
Johnson, S., M.A. — Prof.
Hugill, W. M., B.A. Tor., Ph.D. Chic. — Prof.
Berry, E. G., M.A. Qu., Ph.D. Chic. — Assoc. Prof.

*Economics and Sociology*
Waines, W. J., M.A.
Prof., Dean of Fac. of Arts and Science.
Sinclair, S., B.S.A., M.Sc. Sask.
Prof.

Associate Professor
Barber, C. L., B.A. Sask., M.A. Clark.

Assistant Professors
Dallyn, F. J. G., B.A. Tor., A.M. Harv.
Pentland, H. C., M.A. Oregon, B.A.
Keith, I. F., B.S.A., M.Sc.
Bellan, R. C., M.A. Tor., B.A.

*Education*
Scarfe, N. V., M.A. Lond. Dean of Fac. and Prof.
Woods, D. S., B.A. Qu., A.M., Ph.D. Chic., M.A. Prof.
Stein, H. L., Ph.D. Minn., M.A. Assoc. Prof.
Katz, J., B.A., M.Ed. Asst. Prof.
Dolmage, Grace, M.Sc.Ed. Northwestern, B.A. Asst. Prof.
Maccia, G. S., B.S. St. Louis, M.Ed. Missouri, Ph.D. S. Calif. Asst. Prof.
6 Special Lectrs.

*Engineering, Civil*
Riddell, W. F., M.Sc. Prof.
Macdonald, A. E., M.Sc. (C.E.) McG., F.C.I.C. Prof. and Dean of Fac.
Hoogstraten, J., M.Sc. Mich., B.Sc. (C.E.). Prof.

Associate Professors
Larson, A. G., B.A.Sc. Br. Col., M.A.Sc. (C.E.).
Carlson, A. J., B.Sc. Qu., M.A.Sc. Tor.
Hovey, C. M., B.Sc. (C.E.).

Assistant Professors
Magill, E. S., B.Sc. (C.E.).
Marantz, O., B.Sc. (C.E.).
Borgford, S. J., B.Sc. (C.E.).
Morris, W. V., B.Sc. (C.E.).

Lecturer
Patton, W. J., B.Sc. (M.E.).
8 Demrs.

*Engineering, Electrical*

Professors
Williams, N. A., B.Sc. Qu.
Anthes, R. G., B.A.Sc. Tor.
Wicks, S. G., B.Sc. (E.E.) Assoc. Prof.
McMath, J. P. C., B.Sc. (E.E.) Alta. Asst. Prof.

Lecturers
MacDiarmid, H. A., B.Sc. (E.E.).
Tully, J. A., B.Sc. (E.E.) McG.
2 Demrs.

*Engineering, Mechanical*
Hall, N. M., O.B.E., B.Sc. McG. Prof.

Associate Professors
Wood, B. D., B.A.Sc. (M.) Tor.
Krol, J., Ph.D. Lond.

Assistant Professors
Pask, A. H., B.Sc.
Gawley, H. N., B.Sc. (M.E.) Sask.
6 Demrs.

*English*
Wheeler, A. L., B.A. Br. Col., M.A. Tor., Ph.D. Wis. Prof.

Associate Professors
Saunders, Doris B., B.Litt. Oxon., M.A.
Hopper, C. R., M.C., M.A.
Peter, J. D., B.A., LL.B. S.A.

Assistant Professors
Duncan, T. A. W., M.A.
Brodersen, G. L., M.A. Oxon.
Stobie, W. G., M.A. Tor.

Lecturers
Reaney, J. C., M.A. Tor.
Robinson, J. M.

*French*
Jones, C. Meredith, M.A. Wales, D. de l'U. Paris Prof.

Assistant Professors
Richard, M. E. J., B.A. Alta., Dip. École de Prép. Paris.
Walters, R. L., B.A. Oberlin, M.A. Prin.
Jensen, C. A., B.A. W. Ont., M.A. Tor.

Lecturers
Sumi, Emily, M.A.
Webster, Mrs. Joan, B.A. W. Ont., M.A. Col.

*Geography*
Weir, T. R., B.A. Br. Col., M.A. Syracuse, Ph.D. Assoc. Prof.
Richards, J. H., B.Sc. Wales, M.A. Tor. Asst. Prof.

*Geology and Mineralogy*
Brownell, G. McL., Ph.D. Minn., M.Sc. Prof.
Leith, E. I., M.Sc. Assoc. Prof.
Ferguson, R. B., M.A., Ph.D. Tor. Assoc. Prof.
Wilson, H. D. B., M.S., Ph.D. Cal. Tech., B.Sc. Assoc. Prof.
Russell, G. A., E.M. Minn., M.Sc. Qu. Asst. Prof

*German*
Stirk, S. D., M.A. Oxon., D.Phil. Bres. (on leave 1953–54) Prof.
Cardinal, C. H., M.A. Prof.
Maurer, K. W., Ph.D. Tübingen Assoc. Prof.

*History*
Morton, W. L., M.A., B.Litt. Oxon., B.A. Prof.
Glover, R., M.A. Oxon. and Harv., Ph.D. Harv. Assoc. Prof.
Oleson, T. J., Ph.D. Tor., M.A. Assoc. Prof.
Webster, T. S., M.A. Qu. Asst. Prof.
Yuzyk, P., M.A. Sask. Asst. Prof.

*Icelandic*
Gudmundsson, F., Cand. Mag. Iceland Assoc. Prof.

*Judaic Studies*
Stampfer, Rabbi J.

*Law*, v. *infra*—Affiliated Colleges

*Mathematical Physics*
Gillson, A. H. S., O.B.E., M.A. Camb., LL.D. McG. Prof.
Neamtan, S. M., B.Sc., Ph.D. McG., M.A. Tor. Prof.
Coish, H. R., B.A., B.Sc. Mt. All., M.Sc. Dal., M.A. Tor. Assoc. Prof.

*Mathematics and Astronomy*
Lawson, J. W., Ph.D. Chic., M.A. Prof.

Associate Professors
Milne, T. H., M.A. Tor.
Mendelsohn, N. S., M.A., Ph.D. Tor.

Assistant Professors
Divinsky, N., M.Sc., Ph.D. Chic.
Noonan, B., M.A. Tor., B.A.

Lecturers
Zeiler, F., M.Sc. Alta., B.Sc.
Lockhart, R. J., B.A. W. Ont.

*Medicine*, v. *infra*

*Microbiology*
James, N., B.S.A. Tor., M.S., Ph.D. Iowa State, F.A.A.A.S. Prof.
Campbell, N. E. R., B.S.A. Tor., M.Sc. Asst. Prof.
Hawirko, Roma, M.Sc., Ph.D. McG., B.Sc. Asst. Prof.

*Music*
Gibson, R. W., Mus.B. Manc. Assoc. Prof. and Dir. of School.
Sampson, Peggie, Mus.Bac. Edin., L. de C. Paris Asst. Prof.

*Oriental Languages and Literature*
Graham, Rev. W. C., S.T.M., D.D. United Coll., Ph.D., F.R.S.C. Prof.
Taylor, Rev. G. E., M.A., B.D. Asst. Prof

Special Lecturers

Freeman, Rev. E. G. D., M.A., D.D.

Newcombe, C. R., B.A., B.D., S.T.M.

*Pharmacy and Pharmaceutical Chemistry*

McDougall, D., B.Sc. (Pharm)., M.Sc., F.C.I.C. Prof.

Nash, C. W., B.Sc., M.S. Minn. Assoc. Prof.

Barker, D. Y., B.Sc. (Pharm.) Lectr.

Swartz, H. A., B.Sc. (Pharm.).

*Philosophy*

Sibley, W. M., M.A. Br. Col., Ph.D. Brown Prof.

Glassen, P., M.A. Tor., A.M. Harv. Asst. Prof.

Huggett, W. J., M.A. Tor. Lectr.

*Physics*

Young, J. F. T., M.A., Ph.D. Tor. Prof.

Pringle, R. W., B.Sc., Ph.D. Edin. Prof.

Associate Professor

Whitmore, B. G., B.Sc. Lond., M.A. Tor., Ph.D. Leipzig.

Assistant Professors

Macdonald, P. A., M.Sc., Ph.D.

Roulston, K. I., B.A., M.Sc. Dub.

Douglas, D. G., M.A. Sask., Ph.D. McG.

Standil, S., M.Sc. Qu., Ph.D.

1 Graduate Assistant.

*Physiology*, v. Medicine

*Political Economy*, v. Econ., *supra*

*Political Science and International Relations*

Hiscocks, C. R., M.A. Oxon., D.Phil. Berl. Prof.

Donnelly, M. S., B.A. Mt. All., M.A. Tor. Asst. Prof.

Anglin, D. G., B.A. Oxon., B.A. Tor. Asst. Prof.

*Psychology*

Springbett, B. M., M.A. Alta. Assoc. Prof.

Sayons, K. M. T., LL.M., B.Litt. Oxon., Dip.Psych. Oxon. Assoc. Prof.

Burns, Joyce H., M.A. Tor., B.A. Lectr.

*Slavic Languages*

Rudnyckyj, J. B., Ph.D. Lvov Assoc. Prof.

Yuzyk, P., M.A. Sask. Asst. Prof.

Lucyk, G. M. Lectr.

*Zoology*

Wardle, R. A., M.Sc. Manc., F.R.S.C. Prof.

McLeod, J. A., M.Sc., Ph.D. Assoc. Prof.

Stewart-Hay, R. K., M.Sc. Asst. Prof.

## Agriculture and Home Economics

*Agricultural Engineering*

Shanks, G. L., M.S. Iowa State Coll., B.S.A. Prof.

Paterson, J. J., B.S.A., M.Sc. Sask. Asst. Prof.

*Animal Science*

Savage, A., B.S.A. McG., D.V.M. Corn. Prof.

Hodgson, G. C., M.S. Corn., B.S.A., Dip.Ed. Assoc. Prof.

Kondra, P. A., B.S.A., M.Sc. Asst. Prof.

Seale, M. E., B.Sc. Alta., M.S. Minn. 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. Wis., B.Sc. (H. Ec.) Stout Inst., M.S. Iowa State College Assoc. Prof.

Allen, Lillian B., B.A., M.S. Syracuse Asst. Prof.

Lecturers

Watson, Kathleen T., B.Sc. (H. Ec.).

Little, Mrs. Muriel R., B.Sc. (H. Ec.).

Balfour, Winnifred E., B.Sc. (H. Ec.).

*Child Development and Household Management*

McLauchlin, Florence, M.S. Iowa State Coll., B.Sc. (H. Ec.) Assoc. Prof.

1 Asst.

*Dairy Science*

Nesbitt, J. M., B.S.A., M.Sc. Asst. Prof.

Ritchie, J. J., M.S. Penn., B.S.A. Lectr.

*Education*

. . . . . .

*Entomology*

Mitchener, A. V., B.A. McM., B.S.A. Tor., M.Sc. Prof.

Thorsteinson, A. J., Ph.D. Lond., B.S.A. Asst. Prof.

Robertson, D. R., B.S.A. Lectr.

Lejeune, R. R., B.S.A., M.Sc. Hon. Lectr.

*Family and Institutional Administration*

MacArthur, A. Isabel, B.Sc. (H. Ec.), M.A., D.Ed. Col. Lectr., Dir. of Sch.

Brownlee, Beatrice K., B.Sc. (H. Ec.), M.Sc. Col. Instr.

Smith, Louise, M.S. Col., B.Sc. (H. Ec.) Lectr.

*Foods and Nutrition*

Hiltz, Mary C., B.Sc. Col., M.A. Tor. Assoc. Prof.

Henderson, Jean E., M.A. Tor. Asst. Prof.

Feniak, Mrs. Elizabeth, M.S. Minn., B.Sc. (H. Ec.) Asst. Prof.

Grahame, Dorothy, M.S. Minn., B.Sc. (H. Ec.) Lectr.

*Plant Science*

Olson, P. J., B.S. N.Dak., M.Sc. Ill., Ph.D. Nebr. Prof.

Andersen, E. T., M.Sc. Alta. Assoc. Prof.

Helgason, S. B., B.S.A., M.S. Minn. Asst. Prof.

Peterson, R. F., M.S., Ph.D. Minn., B.S.A. Hon. Lectr.

Anderson, J. A., M.Sc., Ph.D., F.C.I.C., F.R.S.C. Hon. Lectr.

*Soils*

Ellis, J. H., M.S. Minn., B.S.A. Prof.

Hedlin, R. A., B.S.A. Sask., M.Sc. Alta., Ph.D. Wis. Asst. Prof.

**Medicine**

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

*Bacteriology and Immunology*

Wilt, J. C., M.D., C.M. Assoc. Prof.

*Forensic Medicine*

Hall, G., LL.B. Sp. Lectr.

*Medical Research.* *See* Physiol. and Med. Res., *infra*

*Medicine*

Bell, L. G., M.D., F.R.C.P.Can. Prof. and Dean.

Adamson, J. D., B.A., M.D., F.R.C.P.Can. Prof.

Mathers, A. T., M.D., C.M., F.R.C.P.Can. (Psychiatry) Prof.

Associate Professors

Kitchen, H. D., M.M., M.D., C.M.

McEachern, J., M.D. Tor. and Manit., F.R.C.P.Can.

McEwen, S. D., B.A., B.Sc., M.D.

Hollenberg, A., B.A., B.Sc., M.D.

Assistant Professors

Adamson, G. L., M.D.

Mathewson, F. A. L., M.D., B.Sc. (Med.).
Walton, C. H. A., M.Sc., M.D., F.A.C.P.
Gemmell, J. P., M.D., F.R.C.P. Can.
Musgrove, W. M., M.D.
Pincock, T. A., M.D. (Psychiatry).
Allison, F. G., B.A., M.D.
Kilgour, J. M., B.Sc., M.D., F.R.C.P.Can.
Beamish, R. E., B.A. McM., M.D.

Lecturers in Medicine
Brock, W. G., M.S. Minn., B.A., M.D.
Bennett, W. J., M.D.
Birt, A. R., M.D. (Dermatol.).
Cherniak, L., M.D., B.Sc. (Med.)., F.R.C.S.Can.
Campbell, M. H., M.D.
Coke, L. R., M.D.
Houston, A. B., B.Sc. Sask., M.D., F.R.C.P.Can., F.A.C.P.
Downey, J. L., M.D.
Green, P. T., M.D. Tor.
Hollenberg, M. S., B.Sc., M.A., M.D.
Schoemperlen, C. B., M.D.
Little, G. A., M.D
Ross, E. L., M.D.
Scott, D. L., M.D. (Tuberculosis).
Sinclair, A. C., M.D.
Tisdale, P. K., B.Sc., M.D.
Kippen, D. L., M.D.
McFarlane, R. H., M.D.
Polson, R. A., M.D.
Stephens, G. M., M.D.
3 Teaching Fellows, 22 Demrs.

*Obstetrics and Gynæcology*
Black, Elinor, M.D. Dir. of Dept. and Prof.
Best, B., M.D., F.R.C.S.Ed. Prof.

Associate Professors
Lyons, R., B.A., M.D.
Audison, A. W., B.A., M.D.

Assistant Professor
McCord, W. J., M.D.

Lecturers
Bleeks, C. K., M.D.
Friesen, W. J., M.D.
Goodwin, A. M., M.D.
Henneberg, C., M.D.
Schmidt, O. A., M.D.
Guyot, H., B.A., M.D.
2 Teaching Fellows, 6 Demrs.

*Ophthalmology*
Elvin, N. L., M.D. Prof.
Ramsay, R. M., M.S. (Ophthalm.) Minn., M.D. Lectr.
Rose, J. E., M.D. Lectr.
1 Demr.

*Oto-laryngology*
Black, R., M.D. Prof.
Beckman, I. H., M.D. Lectr.
Alexander, W., M.D. Lectr.

*Pædiatrics*
Chown, H. B., M.C., B.A., M.D. Dir. of Dept. and Prof.
Medovy, H., M.D. Assoc. Prof.
Read, C., B.Sc. Acad., M.D., C.M. McG. Assoc. Prof.
Israels, S., B.Sc., M.D., F.R.C.P. Can. Asst. Prof.
Martin, K., M.B., B.S. Asst. Prof.

Lecturers
Graf, J., M.D. Modena.
Popham, H. E., M.D.
Boyd, S. A., M.D.
Marlatt, Helen, M.D.
Berger, M., B.A. Sask., M.D.
McLandress, M., M.D.
Stephens, G. M., M.D.
4 Demrs.

*Pathology*
Nicholson, D., M.D., C.M. Dir. of Dept. and Prof.
Lederman, J. M., B.Sc. Sask., M.D. Prof.
Williams, T. H., M.D., C.M., D.T.M. & H. Lond. Assoc. Prof.
Penner, D. W., B.A. Sask., M.D. Asst. Prof.

Hoogstraten, J., Ph.D. Camb., M.D. Lectr.
Ridge, J. M., B.Sc., M.D. Lectr.
2 Teaching Fellows, 2 Demrs.

*Physiology and Medical Research*

Doupe, J., M.D. Prof.

Associate Professors

Ormerod, M. J., M.D. Tor.
Perry, W. F., B.Sc. McG., M.A., M.D., C.M. Qu.
Blanchaer, M. C., B.A., M.D. Qu.
Hildes, J. A., M.D. Tor., F.R.C.P. Can.

Assistant Professors

Saunders, M. G., M.Sc., M.B., Ch.B. Manc.
Armstrong, J. B., M.D. Tor.
Thomson, A. E., B.A. Sask., M.D., M.Sc.
Cosgrove, J. B. R., M.D.
Schaberg, A., D.M. Leiden.
Blondal, H., B.Sc. (E.E.), M.D.
Ferguson, Marion H., Ph.D. Edin., B.Sc.

Lecturers

Cherniak, R. M., M.D.
Fyles, T. W., M.D., M.Sc.
2 Sp. Instrs., 1 Demr.

*Radiology*

Macpherson, R. A., M.C., C.M. Qu. Prof.
Childe, A. E., M.D. Assoc. Prof.
Stuart, F. G., B.A. Sask., M.D. Asst. Prof.
Kiernan, M. K., B.A., M.D. Lectr.
6 Demrs.

*Social and Preventive Medicine*

Cadham, R. G., M.D. Asst. Prof.

*Surgery*

Burns, C. W., B.A., M.D., C.M., F.A.C.S., F.R.C.S.Can. Prof.

Associate Professors

Corrigan, C. E., D.S.O., B.A., M.D., F.R.C.S. Eng. and Can.
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

Aikenhead, D. C., M.D. (Anæsth.).
Abbott, A. C., B.A., M.D., C.M., F.R.C.S. Ed. and Can.
Cameron, H. F., M.D., F.R.C.S. Ed. and Can.
Clark, C. W., M.D., C.M., F.R.C.S. Ed. and Can.
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.
James, E. S., M.D., F.R.C.S. (App. Anat.).
Stewart, C. B., M.D., F.R.C S. Ed. (Urol.).
Rennie, J. W. R., M.D., F.R.C.S.
Burrell, R. O., M.D., Ch.M., F.R.C.S. Ed. and Can.
Trueman, K. R., M.Sc. Minn., B.A., M.D.

Lecturers

Bourgouin, J. A., M.D.
Deacon, A. E., M.Sc. Minn., M.D.
Holland, T. E., B.Sc., M.D., F.R.C.S. Ed. and Can.
Huggins, Donalda, B.Sc., M.D.
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.
Stephenson, E. S., M.D., Ch.M., F.R.C.S.Ed.
Swartz, D., M.D., F.R.C.S.Ed.
Funk, H., M.D.
MacKinnon, W. B., M.D.
2 Teaching Fellows.
21 Demrs.

## ADMINISTRATIVE AND OTHER STAFF

Executive Assistant to the President: J. B. Rollit, M.A., Ph.D. Dean of Fac. of Arts and Sci.: W. J. Waines, M.A. Dean of Fac. of Engin. and Archit.: A. E. Macdonald, M.Sc. (C.E.), F.C.I.C. Dir. of the Sch. of Archit.: J. A. Russell, B.Sc. (Arch.), M.Arch. Dean of Fac. of Med.: L. G. Bell, M.D., F.R.C.P.Can. Dean of Fac. of Agric. and Home Econ.: J. R. Weir, B.S.A., M.Sc., Ph.D. Dir. of Sch. of Home Econ.: A. Isabel MacArthur, B.Sc. (H. Ec.), M.A., D.Ed. Dean of Fac. of Educn.: N. V. Scarfe, M.A. Lond. Dean of Fac. of Law: J. G. P. R. Tallin, Q.C., B.A., LL.B. Dean of Fac. of Grad. Studies and Res.: W. H. McEwen, M.Sc. Sask., M.A., Ph.D. Minn. Dir. of Univ. Extension and Adult Educn.: A. S. R. Tweedie, M.A. Dir. of Sch. of Music: R. W. Gibson, Mus.B. Dir. of Sch. of Soc. Work: C. E. Smith, B.Sc., M.A., D.Pæd. Dir. of Sch. of Art: W. A. McCloy, M.A., M.F.A. Dir. of Summer Sch.: W. M. Hugill, B.A., Ph.D. Dir. of Sch. of Comm.: J. B. Rollit, M.A., Ph.D. Dir. of Sch. of Pharm.: D. McDougall, B.Sc. (Pharm.), M.Sc., F.C.I.C. Dir. of Nursing Educn.: Margaret Hart, M.A.

Asst. Comptroller: W. J. Condo, B.A. Recorder: Margerie White. Librarian—Junior Library: Edna Greer, B.A. Manager, Univ. Book Store: J. A. M. Edwards. Supt. of Bldgs. 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: Betty J. Emery, B.Com. Phys. Dir.: W. F. R. Kennedy, B.P.H.E., M.A.

## AFFILIATED COLLEGES represented on the Senate, the first four having power to confer degrees in Divinity:

ST. BONIFACE COLLEGE, St. Boniface (R.C.). (*Telephone*: Winnipeg 201 625.) Rector—Rev. J. d'A. Richard, Ph.D.

ST. JOHN'S COLLEGE, Winnipeg (C. of E.). (*Telephone*: Winnipeg 927 893.) Warden—Rev. Canon L. F. Wilmot, B.A., B.D.

UNITED COLLEGE, Winnipeg (United Ch. of Canada). (*Telephone*: Winnipeg 722 291.) Principal—Rev. W. C. Graham, M.A., Ph.D., S.T.M., D.D., F.R.S.C.

ST. PAUL'S COLLEGE, Winnipeg (R.C.). (*Telephone*: Winnipeg 932 471.) Rector—Rev. C. C. Ryan, B.A., Ph.L. Montr.

MANITOBA LAW SCHOOL, Winnipeg. (*Telephone*: Winnipeg 907 378.) Dean—G. P. R. Tallin, Q.C., B.A. Oxon., LL.B.

BRANDON COLLEGE, Brandon (Undenominational). President—J. R. 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, Pedagogy, Archit., Interior Design, Fine Arts and Social Work, in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

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 355,000. The site of the Faculties of Arts and Sci., Agric. and Home Economics, Engin. and Archit., Education, the Graduate School of Social Work, and the Graduate School of Nursing, is in the municipality of Fort Garry, 7 miles from the centre of Winnipeg. The Univ. has 47 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, 168,000 vols.; 1343 periodicals received. There are also 30,410 mounted plates and photographs and 9410 slides in the School of Architecture. The Med. College has a library of 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., Embryol., Bot., Geol., Path. HOSPITALS available for clinics: 3 general (1000 beds) and several special, including tuberculosis. FARM (1000 acres).

FACULTIES (for Deans, v. p. 776). (1) An Arts and Science Faculty providing instruction in all subjects of undergraduate courses in Arts (except 6 options and the Latin Philosophy course for French-speaking students of St. Boniface College), Science, Pharmacy and Commerce. (2) Medicine. (3) Engineering, Archit. and Interior Design. (4) Agriculture and Home Economics. (5) Education. Other subjects of Arts course are taught in the affiliated Colls. Law is taught in the Manitoba Law School, which is under the direction of trustees jointly appointed by the Univ. and the Law Society of Manitoba. Public Health Nursing and Teaching and Supervision in Schools of Nursing are taught to graduate nurses in the Graduate School of Nursing, directed by the Univ. and financed by the Provincial Department of Health and Public Welfare. Academic and clinical training of social workers is carried on in the Graduate School of Social Work. A course leading to the degree of Bachelor of Fine Arts is taught co-operatively by the Faculty of Arts and Science, the School of Art, the School of Architecture and the School of Home Economics.

MATRICULATION examn. is conducted in June by the Examn. Board of Manitoba, also a limited Matricn., in Sept. Satisfactory completion of Levels I, II and III of the Matricn. course of the Dept. of Educn. is required. Matricn. subjects for Arts or Sci. courses: English, Maths., Social Studies, 3 units of Science (Gen. Sci. and two of Biol., Physics, Chem.), and at least one elective from the following: a second foreign lang., a fourth Science, Music, Home Econ., Industrial Arts, Comml. work. With a second foreign lang. or music—when carried for at least 2 yrs. of High Sch.—only 2 units of Science are required (Genl. Sci. and either Physics or Chem.) Matricn. may also be obtained with a third foreign lang., the only Science requirement being Genl. Sci. Exemption from examination is allowed in the subjects of Grades IX and X Matricn. to pupils of the Collegiate Institutes of the province, or of the Preparatory Schools in connexion with the affiliated Colleges, who are recommended for such exemption by their school principals, and also exemption from examn. in the subjects of Grade XI Matricn. (Arts and Sci.) to recommended pupils of approved schools under certain conditions. Entrance requirements for Medicine are clear standing of 3 pre-medical years in Arts and Science; for Law, of 2nd year in Arts; for Engineering and Architecture, standing of one year in Arts and Science. Members of any British or approved Univ.

may be admitted *ad eundem statum* or *gradum* without Entrance examn. *See also* Appendix I.

DEGREE COURSES. 4 yrs.—B.A., B.Sc., B.Sc. (C.E., M.E. or E.E.), LL.B., B.Sc. (H. Ec.), B.Com., B.I.D., B.Ped.; 5 yrs. following 3 pre-medical yrs.—M.D.; 5 yrs.—B.A. (Hons.), B.Sc. (Hons.), B.Com. (Hons.), B.Arch., B.S.A., B.Ped. (Hons.); 3 yrs. following 1 yr. in Arts and Science, and 2 yrs.' apprenticeship—B.Sc. (Pharm.). Research Courses governed by specl. regns. lead to the degree of B.Sc. (Med.), to M.Sc. (Med.), and to Ph.D. M.A., M.Sc., M.Arch., M.Arch. (C.P.), LL.M., B.Soc.W., 1 or 2 yrs.' postgraduate course. B.Ed., 2 yrs.' postgraduate course; M.Ed., 1 yr. after B.Ed.

Subjects are placed in groups, from each of which selection is made in accordance with definite regulations. For the B.A.—English (1 yr.), a foreign language (2 yrs.), Maths. (1 yr.) and a second yr. of English or a second foreign language are compulsory.

The M.A. may be obtained by candidates possessing the Honours B.A. of Manitoba, or an equivalent degree, by an extra year of full-time study under the direction of a committee of instructors. Candidates for the M.A. possessing the General Course B.A. of Manit., or an equivalent degree, must first obtain 16 units of credit in Honours Courses. A thesis is usually required as well as examn.

The M.Sc. requirements are at least one yr.'s grad. work in one or more of the Sc. depts. of the Univ. (incl. Maths.) or in the dept. of Civil Engin. or that of Elect. Engin., or in the Fac. of Agric. and Home Econ., an examn. and a thesis. Candidates for the M.Sc. possessing the General Course B.Sc. of Manit. or an equivalent degree, must first complete five Honours Courses. While taking the LL.B. course a student may simultaneously obtain the Law Society's qualification for practice. The LL.D. is honorary.

In the B.Sc. Engin. courses a thesis is required in the 4th yr. A summer thesis may be presented for credit by students entering the 2nd, 3rd or 4th yr.

Two yrs.' service in an Architect's office following graduation (B.Arch.) will qualify for licence to practise.

DIPLOMAS. Agriculture (2 yrs.); Dairying (3 mos.); School of Nursing (1 yr.), Home-making (5 mos.).

The Univ. conducts examns. for admission to the Manit. Assoc. of Registered Nurses, to the practice of Dentistry and membership of the Manit. Dental Assoc., to the practice of Accountancy and membership of the Inst. C.A. of Manitoba, to the practice of Architecture and membership of the Manit. Association of 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, Manit. (A.M.M.). Holders of the A.M.M. or equivalent standing may obtain the Licentiateship dipl. on passing an advanced practical examn. Music may be offered as an elective for Matricn. if carried for 2 or 3 yrs. in High School and at least the prescribed minimum grade is attained. It is also an elective in Arts and in the 2nd and 4th yrs. in Home Econ. Practical instruction must be obtained from private teachers.

Examns. are based on a syllabus of the Western Board of Music, composed of representatives of the Universities and Depts. of Educn. of Manitoba, Saskatchewan and Alberta.

FEES. Tuition and examn. in Arts and Sc., $155 in 1st yr., $195 p.a. in all other yrs.; in Comm., $215 p.a.; Engin. and Arch., $285 p.a.; Interior Design, $155 in 1st yr., $195 in all other yrs.; Phm., $240 p.a.; Med., 1st, 2nd, 3rd and

4th yrs., $425, 5th yr., $75; Law, $175. Licence to practise Med., $100 (payable to the College of Physicians and Surgeons of Manitoba). Agri. Dipl. course, $30; Degree course, $155 (1st and 2nd yrs.) and $180 (3rd, 4th and 5th yrs.).

SCHOLARSHIPS for graduates: 2 Travelling Fellowships, each $400, offered each yr. tenable at some other seat of learning. Univ. Women's Club Fellowship, $150, is offered to an outstanding woman graduand in Arts or Science. 2 Athlone Fellowships of Tuition, Maintenance and Transportation within Britain are offered each year for Engin. Graduates. 1 Canadian Industries Ltd. Research Fellowship of $1000 is offered annually to any British subject who is a Graduate of a recognized Univ. for Research in Agricultural Chemicals at the University of Manitoba. 1 Cominco Fellowship of $1200 is offered each year for Research in Mining, Metallurgical or Chemical Industry by a graduate of a recognized Univ. 1 Manitoba Historical Society Fellowship of $2500 to a Master of Arts of an approved Univ. for Ethnic Studies within Manitoba. 1 California Standard Co. Fellowship of $750 for study in fields related to oil exploration and production, tenable at the Univ. of Manit. 1 Gordon Bell Memorial Fellowship of $900 for medical research by graduates of the University of Manitoba or registered practitioners in the Province.

RESIDENCE. Hostels at all affiliated Arts Colls. and at the Fort Garry site.

UNIVERSITY EXTENSION. (1) Institute Evening courses of a cultural character. (2) Winter Evening Business courses in Acctcy., Comml. Law, English, Pol. Econ., etc., given partly by members of regular Univ. staff. (3) Radio popular lectures and broadcasts of music chosen from the Music Syllabus. (4) Short courses in Farm Equipment Repairing, Bee-keeping, Home-making, Dairying, Poultry, Home Vegetables and Fruit Growing, Home Grounds Beautification and Flower Growing, Fur Farming, Field Crops, Nutrition and Diseases of Farm Animals. (5) Feb. series of popular lectures. (6) Programme of Adult Education in Fine Arts in rural communities of the Province. (7) *Summer School*—6 wks. in July and Aug. Courses for Teacher Training, and in Grade XI, Grade XII and Arts and Sci. subjs. (8) 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. (11) Evening courses for credit in certain Arts subjects of the second yr., in Winnipeg and at selected rural points.

EXTRA-MURAL WORK. Correspondence courses carrying degree credit are offered in certain subjects of the Second Year in Arts. Only one 4-unit course or its equivalent may be taken in any one regular session.

ALUMNI ASSOCIATION. Founded in 1921 to deal as a body with all matters affecting the interests of the Alumni. Permanent Sec., W. Mulock, B.A.

MILITARY UNITS. Training is offered leading to commissions in either the active or the reserve forces of the Navy and the Army by the University of Manitoba Naval Training Division (U.N.T.D.) and the University of Manitoba Contingent Canadian Officers' Training Corps (C.O.T.C.) respectively; and to commissions in the reserve force only by the University of Manitoba Squadron, Royal Canadian Air Force (Reserve).

HEALTH SERVICE. Students are required to undergo a health examination at the beginning of each session.

STUDENT ATHLETIC FACILITIES. Two large well-equipped gymnasia with

locker and dressing-room facilities, and seating for 1800 spectators. Two recreation halls, ice rink, curling rink, rifle range, and playing fields on campus. Off-campus accommodation provided for track, tennis, golf, swimming, bowling.

PUBLICATIONS. *General Calendar* (May), free; *Manitoban* (students' paper), bi-weekly (free to Manitoba students; others $1 a year); *Annual Report* (free); *Creative Campus* (Student and Staff, pub. annually, 25 c.).

UNIVERSITY PRESS. Founded in 1945 and operates under the guidance of the Univ. Book Dept. Manager, J. A. M. Edwards, M.A.

## THE YEAR 1951–52

NEW BUILDINGS. Combined bus terminal and book store. Univ. Students' Union Bldg. to house sports facilities, cttee. rooms, auxiliary cafeteria and other student activities.

NEW DEPARTMENTS AND POSTS. Dept. of Slavic Studies was established, offering courses in Russian, Ukrainian and Polish, and staffed by an Assoc. Prof., an Asst. Prof. and a Lectr. Dept. of Phys. Educn., Recreation and Athletics was established, and a 1-yr. compulsory programme of Phys. Educn. introduced, together with a student health service and phys. examn. Dept. of Icelandic Lang. and Lit. was created, offering 10 courses under the direction of an Assoc. Prof. from Iceland.

ADULT EDUCATION WORK. Correlation of hitherto separate cttees. dealing with Evening Institute, Manitoba Labour Institute, Public Lectures and Radio Forums under Dept. of Univ. Extension and Adult Educn. was effected. Integration of courses offered through correspondence and summer school facilities was begun, and plans made to augment these offerings by a series of credit-granting evening courses. Documentary Film Nights were instituted, to be held twice monthly in the winter months for the showing of new and better documentary films produced in Canada and elsewhere.

RETIREMENTS. John W. Dorsey (Electr. Engin.); Grace G. Hood (Home Econ.); Mary C. Moxon (Home Econ.); David S. Woods (Educn.).

RESIGNATIONS. G. E. Bryce (Agric. Engin.); R. W. Curtis (Electr. Engin.); J. W. Dolphin (Asst. Prof. of Civil Engin.); J. E. Foster (Univ. Extension and Adult Educn.); J. W. MacLeod (Internal Med.); K. D. McLean (Asst. Comptroller).

DEATH. The Hon. Justice A. K. Dysart, July 24, 1952. Member of Bd. of Governors of Univ. from 1933, Chairman of Bd. from 1934 to 1944, and Chancellor from 1944 to 1952.

HONORARY DEGREES. *LL.D.*—Joseph Harris, B.A., President of the Great West Life Assurance Co.; T. J. Harrison, B.S.A., Prof. Emer. of Agron., Dir., Barley Improvement Institute; Grace G. Hood, B.S., M.A., Ph.D., Dir. of Sch. of Home Econ., Univ. of Manit.; J. M. Macdonnell, M.C., Q.C., M.A., M.P.; D. S. Woods, B.A., M.A., A.M., Ph.D., formerly Dean of Educn. at Univ. of Manit.

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* |
|---|---|---|
| Men | 1270 | 2885 |
| Women | 601 | 1081 |
| Total | 1871 | 3966 |

Postgraduate students: full-time men, 84; full-time women, 6; part-time men, 88; part-time women, 17.

New admissions, 815.

Students from other countries, 91. (Countries from which largest numbers came: U.S.A., 24; British West Indies, 22; Nigeria, 15; China, 9; U.K., 7; Norway, 3.)

DEGREES AWARDED. Doctor of Laws (Honorary), 5; Ph.D., 3; M.A., 10; M.Sc., 36; M.Ed., 11; M.Arch., 2; B.A. (Gen.), 268; B.A. (Latin Philosophy), 19; B.Sc. (Gen.), 92; B.Sc. Pharm., 30; B.Com. (Gen.), 26; B.A. (Hons.), 14; B.Sc. (Hons.), 27; B.Com. (Hons.), 6; LL.B., 33; M.D., 83; B.Sc. (Med.), 4; B.Sc. (H. Ec.), 67; B.S.A., 31; B.Sc. (C.E.), 49; B.Sc. (E.E.), 19; B.Sc. (M.E.), 47; B.Arch., 44; B.Ed., 30; B.Ped. (Gen.), 33; B.Ped. (Hons.), 3; B.Int.Des., 20; B.F.A., 1; B.Soc.W., 30. Total, 1043.

DIPLOMAS AWARDED. Agriculture, 31; Dairying, 7; Home-making, 5; Music, 17; Education, 3; Social Work, 1; Art, 9. Total 73.

CERTIFICATES AWARDED. Nursing Education, 12.

* These figures include 48 men and 27 women taking certain Arts and Science subjects by correspondence.

[*Information compiled as at June* 1953.]

# MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Founded 1949

*Postal Address*: St. John's, Newfoundland, Canada.
*Telephone*: St. John's 6427.

VISITOR—THE LIEUT.-GOVERNOR, COL. Sir LEONARD OUTERBRIDGE, C.B.E., D.S.O., LL.D.

CHAIRMAN OF THE BOARD OF REGENTS—Sir ALBERT J. WALSH, Q.C., LL.B.

CHANCELLOR—The Rt. Hon. THE VISCOUNT ROTHERMERE.

VICE-CHANCELLOR AND PRESIDENT—RAYMOND GUSHUE, C.B.E., Q.C., LL.B. Dal., D.Cn.L. K.C.N.S.

DEANS—*Arts and Science*—A. C. HUNTER, B.A. Lond., M.A. Oxon., D. de l'U. Paris, O.A.; *Applied Science*—S. J. CAREW, B.Sc. Dal., B.E. (Mining) N.S.T.C.; *Education*—G. A. HICKMAN, B.A. Mt. All., M.A. Acad.

REGISTRAR—MONNIE G. MANSFIELD.

LIBRARIAN—SADIE L. ORGAN, B.A. McG., M.A. Mich.

BURSAR—PAUL A. WINTER.

## TEACHING STAFF

*Biology*

Andrews, C. W., B.Sc. Mt. All., M.A. Western, Ph.D. Tor. Prof.
Lear, E., B.Sc. Acad. Assoc. Prof.
Miles, June, B.A. Demr.

*Chemistry*

Cooper, D. L., B.Sc. King's, M.Sc. Dal., Ph.D. McG. Prof
Cameron, G. E., M.Sc. Manit. Assoc. Prof.
Ralph, Audrey, B.Sc. Mt. All. Lectr.

*Classics and German*

Ashley, J. B., B.A. Dal., M.A. Oxon. Assoc. Prof.
Cochrane, Mrs. J. A., B.A. Durh. (Latin) Lectr.

*Economics and Political Science*

Morgan, M. O., M.A. Dal., M.A. Oxon. Assoc. Prof.

*Education*

Hickman, G. A., B.A. Mt. All., M.A. Acad. Prof.
Lodge, Helen M., B.A. Mt. All., M.A. Col. Prof.
Kennedy, Mrs. E., M.A., B.Pæd. Tor. Assoc. Prof.
Rowe, W. G., B.A. Dal. Assoc. Prof.
Ivany, C., B.A. Acad., B.Pæd. Tor. Actg. Assoc. Prof.

*Engineering*

Carew, S. J., B.Sc. Dal., B.E. (Mining) N.S.T.C. Prof.
Facey, J. M. C., B.Sc. (Eng.) Lond. Lectr.

*English*

Hunter, A. C., B.A. Lond., M.A. Oxon., D. de l'U. Paris, O.A. Prof.
Pitt, D. G., B.A. Mt. All., M.A. Tor. Assoc. Prof.
O'Reilly, Alison, M.A. Tor. Lectr.

*French and Spanish*

Hunter, A. C., B.A. Lond., M.A. Oxon., D. de l'U, Paris, O.A. Prof.
Brinton, Ethel, B.A. Lond., A.M. Harv. Assoc. Prof.
Jackson, H. H., B.A. Lond., LL.D. Vienna (Mod. Langs.) Asst. Prof.

*Geography*

Goodridge, H. B., M.A. Camb. Lectr.

*History*

Fraser, A. M., M.A. Edin. (on leave) Prof.
Rothney, G. O., B.A. Bishop's, M.A., Ph.D. Lond. Actg. 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. Col. Assoc. Prof.
Facey, J. M. C., B.Sc. (Eng.) Lond. Lectr.
Looker, A. J., B.E. McG. Lectr.

*Physics*

Noel, T. C., M.Sc. Dal. Asst. Prof.
Genge, D., B.Sc. Dal. Lectr.

**Other Teaching Staff**

Carmichael, Miss R., M.A. Edin. (Engl.).
Galway, Isabel (Phys. Educn.) Visiting Instr.
Jennings, Marguerite L. (Music) Visiting Instr.
Shephard, R. (Art) Visiting Lectr.

## ADMINISTRATIVE STAFF

Secretary to the President: Audrey B. Hann.

## GENERAL INFORMATION

The University was founded by an act of the Provincial Legislature dated Aug. 13, 1949, merging the Univ. with the former Memorial University College which was built by the Newfoundland Govt. as a War Memorial and was opened in 1925.

The curriculum covers the first 4 yrs. of the University courses in Arts, Educn., the first 3 yrs. in Engin. and Agric., and the first 2 yrs. in Science, Med. and Household Sci.

FACULTIES AND DEANS, v. p. 790.

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. *See also* Appendix I.

FEES. For full course, $100 p.a.

A SUMMER SESSION, with full credit, is held in July and Aug.

LIBRARY, 20,000 vols., 160 periodicals subscribed to; Carnegie Art Rep. Set—2000 prints; Carnegie Music Set—700 gram. records.

SCHOLARSHIPS. There are several Leaving Scholarships of $300 and $750 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 a 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 1951-52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 30 | 265 |
| Women | 9 | 114 |
| Total | 39 | 379 |

Postgraduate students, nil.
First-year admissions, 215.

DEGREES. B.A. (Educn.), 21; B.A., 4; B.Sc., 3.

DIPLOMAS. Engineering, 7; Home Sci., 1.

[*Information compiled as at* 16/6/53.]

# UNIVERSITY OF MONTREAL*

Founded 1876

*Postal Address*: P.O. Box 6128, Montreal 2, Canada.
*Telephone*: Montreal, Atlantic 9451.

CHANCELLOR—H.Em. PAUL-ÉMILE CARDINAL LÉGER, L.Th., D.C.L.

RECTOR—Mgr. OLIVIER MAURAULT, C.M.G., D.C.L., F.R.S.C.

VICE-RECTOR—Mgr. GEORGES DENIGER, B.Th.

SECRETARY-GENERAL—M. FARIBAULT, LL.D.

FACULTIES AND DEANS—*Arts*—Rev. G. PERRAS; *Dentistry*—E. CHARRON, D.D.S., F.I.C.D., F.A.C.D., F.D.S.R.C.S.; *Hygiene*—A. FRAPPIER, M.D., L.Sc., F.R.S.C.; *Law*—E. BEAULIEU, LL.D.; *Letters*—Canon A. SIDELEAU, L.Lett. Paris; *Medicine*—W. BONIN, M.D.; *Music*—Rev. E. THIBAULT, Ph.D. Rome, L.Sc. Paris, Dip. Inst Grégorien Paris, B.Th.; *Pharmacy*—A.-F. LAROSE, D.Phm.; *Philosophy*—T.R.P. L. M. RÉGIS, S.Th.L. LeSaulchior, D.Ph., F.R.S.C.; *Pure Science*—G. BARIL, M.D., cert. ét. sup. ch. Paris, Hon. D.Sc.; *Social Science*—E. MINVILLE, L.Sc.Com., dip.Ec.Sc. pol. Paris, F.R.S.C.; *Theology*—Rev. R. FOURNIER, D.Th.

TREASURER—LOUIS CASAUBON.

ASSISTANT REGISTRAR—GEORGES BARIL, M.D., certif. ét. sup. ch. Paris, Hon. D.Sc.

DIRECTOR OF PUBLIC RELATIONS—ANDRÉ BACHAND, M.S. Col., L.Sc.com., LL.L.

DIRECTOR OF EXTENSION DEPARTMENT—LÉON LORTIE, D.Sc.phys. Paris, F.R.S.C.

LIBRARIAN—JOSEPH R. LEDUC, B.L.Sc. Col., N.Y., McG., Montr.

## TEACHING STAFF

*Agriculture*, v. *infra*, Affiliated Instns.

*Anatomy (normal)*

Blais, M., M.D. Prof.
Courteau, R., M.D. Asst. Prof.
Venne, L., M.D. Asst. Prof.

*Anatomy (pathological)*

Masson, P., M.D. Paris, F.R.S.C. Prof.
Riopelle, J.-L., M.D. Prof.
Simard, L. C., M.D., F.R.S.C. Assoc. Prof.
Gareau, R., M.D. Asst. Prof.
Manseau, G., M.D. Asst. Prof.
Martin, P., M.D. Asst. Prof.
Thériault, J.-P., M.D. Asst. Prof.

*Ancient Languages and Literature*

de Groot, J., D.Lett. Utrecht Dir. and Prof.

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

Soffray, Rev. Br. M., L.Lett. Lyons, D.Lett. Asst. Prof.

*Applied Science*, v. *infra*, Affiliated Instns.

*Art, History of*

Randall, L. V. Asst. Prof.

*Biology*

Prat, H., D.Sc. Paris Prof.
Fournier, Abbé O. Prof.
Bellemare, E.-E., L.Sc.Nat. Assoc. Prof.
Prévost, G., L.Sc. Assoc. Prof.
Beaudry, J.-R., M.Sc. McG., Ph.D. Wis., L.Sc.A. Assoc. Prof.
Robert, Rev. A., L.Sc.Nat., L.Péd. Asst. Prof.

*Botany*

Brunel, J., L.Sc. Prof.
Gauthier, R., L.Sc. Prof.

Associate Professors

Cailloux, M.
Rouleau, E., L.Sc.Nat.
Champagne, A., L.Sc.Nat. Asst. Prof.

*Canadian Literature*

Sideleau, Canon A., L. ès L. Paris Dean and Prof.

*Chemistry*, v. also *infra*, Affiliated Instns.

Baril, G.-H., M.D. Dean and Prof.

Professors

Barré, R., D.Sc. Paris.
Lortie, L., D.Sc. Paris.
Lemay, L., M.Sc.
Piché, L., L.Sc.Chim., M.Sc., D.Sc.

Associate Professors

Cartier, P., L.Sc.
Rinfret, M., L.Sc.
Bouthiller, L.-P., M.Sc.
Gendron, P.-R., L.Sc.

Assistant Professors

Perron, Y.
Bourgon, M., L.Sc.chim., M.Sc.

*Classics*

Soffray, R. F. M., D.Lett. (Greek) Asst. Prof.

*Commerce*, v. *infra*, Affiliated Instns.

*Dentistry*, v. *infra*

*Economics*, v. *infra*, Soc. and Polit. Science

*Engineering*, v. *infra*, Affiliated Instns.

*English Language and Literature*

Greenwood, T., M.A. Lond., L.Lett. Paris, D.Sc., D.Lett. Dir. and Prof.

Assistant Professors

Birch, T.-A., M.A. Leeds, D.Ped.
MacPeak, Miss H., B.A.
McCracken, E.-J., M.A., Ph.D.
Murphy, J.-A., M.A.

*French Language and Literature*

Sideleau, Canon A., L.Lett. Paris Dean and Prof.
Houpert, J., M.A. Ill., D.Lett. Prof.
Angers, Rev. P., D.Lett. Louvain, L.Lett. Assoc. Prof.

Assistant Professors

Duhamel, R., B.A.
Gagnon, Rev. E., L.Lett.
Lemoine, Abbé A., L.Lett. Paris, D.Lett.

*Geography*

Dagenais, P., L.Sc.Com., L. ès Lett. Paris Dir. and Prof.
Brouillette, B., L.Sc.Com. Assoc. Prof.
Garry, R., LL.L. Paris Assoc. Prof.

*Geology*

Tiphane, M., B.Sc.A. Laval, M.Sc. McG. Assoc. Prof.

*History*

Frégault, G., L.Lett., Ph.D. Loyola Dir. and Prof. of Canadian Hist.

Associate Professors
Brunet, M., B.Ed., L.Sc.Soc., M.A., Ph.D. Clark.
Papillon, Rev. A., D.Th. Angélique.
Séguin, M., L.Lett., D.Lett.
Morin, Rev. C., D.Hist. Grégorien Asst. Prof.

*Hygiene, School of*
Frappier, A., M.D., L.Sc., F.R.S.C. Dean and Prof.

Professors
Charbonneau, Miss G., B.A., M.Sc.
Charbonneau, J.-H., B.A., M.D.
Foley, A.-R., B.L., M.D., D.H.P.
Gilbert, J., M.D., D.H.P.
Groulx, A., M.D., M.H.P. (E.).
Lafrenière, T.-J., I.C., B.Sc.A., M.Sc.
Panisset, M., B.A., D.V. Alfort, M.V.
Plante, L., B.A., L.Ped., L.Sc.S., M.A., M.H.P.
Sylvestre, J.-E., B.Sc., M.D., D.H.P.
Tourangeau, F.-J., B.A., M.D., D.H.P., C.H.P.
Valois, A. B., B.A., M.D., M.H.P.

Associate Professors
Archambault, J., B.A., I.C., D.Sc.A.
Beaupré, B., B.A., B.Sc.A., I.P., M.A.Sc., M.Sc.
Bourbonnais, G., I.C., B.Sc.A.
Brien, J.-A., M.D., M.H.P.
Charest, G., M.D., D.P.H., M.P.H.
Coté, Miss L., I.H.L., B.A., L.S.P.
Cyr, R., B.A., I.C., B.Sc.A.
Forté, L., B.Pharm., L.Sc., M.Sc.
Genest, P., D.M.V., D.Sc.Nat.
Girard, A., B.Sc., M.A.
Landreville, A., B.A., M.D., M.H.P.
Marcotte, J.-E.-A., M.D.
Plamondon, S., I.C., B.Sc.A., M.Sc.
Primeau, B., B.A., M.D., M.P.H.

Assistant Professors
Boutin, J.-R., B.A., M.D.
de Repentigny, J., B.A., D.Sc.
Marcil, B., L.S.A.
Nantel, A., M.Sc.
Pavilanis, V., M.D. Kaunas.
Vézina, N., B.A., M.D.

*Journalism*, v. *infra*, Soc. and Political Science

*Law*, v. *infra*

*Linguistics, Phonetics and Philology*
Vinay, J.-P., L.Lett. Paris, M.A. Lond. Dir. and Prof.
Bergeron, R., M.A. Asst. Prof.
Penverne, Mrs. J.-J. Asst. Prof.

*Mathematics*
Gauthier, A., L.Sc. Prof.
L'Abbé, M., L.Sc.Math., M.A. Assoc. Prof.

Assistant Professors
Brossard, R., L.Sc.Math.
Fox, F., M.A. Br. Col.
Murnier, F., B.A., L.Sc.Math.
St.-Pierre, J., L.Sc.Phys., L.Sc. Math.
Maranda, J., B.Sc.Math., M.A. Tor.

Lecturers
Courtemanche, A., L.Sc.Math., L.Sc.Phys.
Hébert, H., B.Sc.Math.

*Medicine*, v. *infra*

*Mineralogy*, v. Geology and *infra*, Affiliated Instns.

*Modern Languages* (German, Spanish and Italian)
Carderera, A., LL.L. Madrid Assoc. Prof.
Valentino, A., D.Lett. Pérouse Asst. Prof.

*Music*, v. also *infra*, Attached Instns.

Profs. and Asst. Profs.
Aubut, Miss F.
Boulanger, R.
Champagne, C.

Cornellier, A.
Dagenais, A.
Descarries, A.
Duhamel, R.
Fortier, Abbé E.
Lapierre, E.
Laurencelle, M.
Lavigne, J.
Martel, J.
Morin, C.
Papineau-Couture, J.
Séguin, C.
Tanguay, G.-E.
Thibault, E.
Vallerand, J.

*Pharmacy*

Larose, A.-F., D.Phm. Dean and Prof.

Professors

Barré, R., B.Phm., D.Sc.
Labarre, J., B.Phm., D.Sc.
Letourneau, M., B.Phm.

Associate Professors

Larose, R., B.Phm.
Martin, E.-A., L.Phm., M.Sc.
Plourde, R., B.Phm.
Riopel, P., B.Phm., M.Sc.

Asst. Profs. and others

Bergeron, L., B.Phm.
Champagne, A., L.Sc.N.
Delorme, J., L.Sc.Chim., D.Sc.
Dubreuil, R.
Gauthier, R., M.Sc.
Prat, H., D.Sc.
Robillard, E., M.D.
Sarrazin, A., B.Phm.

*Philosophy*, v. *infra*

*Physics*

Rouault, M., B.A., L.Sc.Math., L.Sc.Phys., D.Sc. Paris Prof.
Demers, P., L.Sc.Math. and Phys., M.Sc., D.Sc.Phys. France, F.R.S.C.

Associate Professors

Bélair, R., L.Sc.Chim.
Demers, J., L.Sc.
Lorrain, P., M.Sc., Ph.D. McG.
Robillard, Abbé H., B.A., L.Sc.

Assistant Professors

Grégoire, L., L.Sc.Phys. and Math.
Labonté, Rev. G., L.Sc.Phys., L.Th., L.Ph.

*Physiology and Pharmacology*

Robillard, E., M.D. Prof.
Lussier, J. J., Ph.D. Camb., M.D. Assoc. Prof.

Assistant Professors

Beaulieu, R., M.D.
D'Iorio, A., M.D.
Lussier, J.-P., D.D.S.
Timiras, P., M.D., Ph.D.

*Slavic Studies*

Domaradzki, T.-F., L.Ph. Warsaw, D.Lett. Rome Dir. and Prof.
Zaleski, Abbé M., Ph.D. Warsaw Assoc. Prof.

Assistant Professors

Babinski, W., D.Sc.soc. Munich.
De Meyer, A.
Czapska, Mrs. A.
Donzow, D., LL.D. Lwow.
Dubsky, J., LL.D. Prague.
Murin, C., LL.D. Bratislava.
Nazarko, Rev. I., Ph.D.
Paplauskas-Ramunas, A., Ph.D. Vienna.
Pavilanis, Mrs. I.
Rabcewicz-Aubkowski, L., LL.D. Paris.
Radwanski, P.
Roussow, G., Ph.D. Vienna.
Sangowicz, M., Ph.D. Fribourg.
Walter, E., D.Sc.P. Bud.

*Social and Political Science and Economics*

Minville, E., L.Sc.Com., dip.Ec. Sc.pol. Paris, F.R.S.C. Dean and Prof.

Profs., Assoc. Profs. and Asst. Profs.

Beausoleil, Rev. J., D.Ps.
Bédard, G.

Benoit, E., L.S.P.
Blais, J., M.R.I.
Blanchard, Y., D.Ph.
Brouillette, B., D.Geog. Sorbonne, L.Sc.Com.
Brizard, L. P.
Bruchési, J., LL.L., D.S.P., Dip. Sc. politiques Paris, F.R.S.C.
Cardin, J.-R., M.R.I.
Casgrain, J., LL.L., Ph.D. Lond.
Chaussé, F., LL.L., L.S.P.
Clawson, H. J., LL L.
Cornez, J., LL.L., L.S.P.
Dehem, R., D.Sc. économiques, L.Sc. politiques et sociales Louvain.
Delorme, J., L.Sc.Com.
Desrochers, Rev. I., M.A. Fordham.
Elliott, H. B., I.C.
Garry, R., LL.L. Paris, dip. ét. sup. en droit, Paris.
Fauteux, N., LL.L., D.S.P.
Gauthier, A., M.A. Col., L.Sc.math.
Gouin, Hon. L. M., LL.D., D.S.P., F.R.S.C.
Gauvreau, J.-M., dip. École Boulle Paris, D.S.P., F.R.S.C.
Govenlock, Abbé S., L.Th., M.S.S.W.
Guillemette, Rev. A.-M., LL.L. Laval, L.Th., L.S.P. Louvain.
Lacoste, Abbé N., L.Th., L.Sc. pol.soc. Louvain.
Larivière, P., M.D.
Lavigne, J., D.Ph.
Leduc, A., LL.L., D.S.P.
Leduc, Y., LL.L., L.S.P.
Lemieux, G., M.Sc.Soc. Laval, M.S.S.
Lemieux, R., M.D.
Letourneau, F., B.S.A., D.S.P.
Lortie, Monique, B.Ph., B.Ps.
Mailhiot, C., D.Ps.
Mailhiot, Rev. M. B., M.A. Harv., S.Th.L.
Marchand, Miss F., B.A., dip.S.S. McG.
Marier, R., LL.L. Laval, M.S.S.W.
Martin, G., L.S.P.
Mathieu, Abbé C., L.Th., L.Sc. soc.pol. Louvain.
Mathieu, Miss M., B.S.W. McG.
Montpetit, hon. juge A., LL.L.
Paré, Miss S., L.Sc.soc. Laval, M.Sc. (Groupwork) Pitt.
Parenteau, R., L.Sc.com.
Peck, Miss M., M.A. Oxon., M.S.S.W. McG.
Primeau, B., M.H.P. Harv., M.D.
Rousseau, Miss C., B.A., M.S.S.
Sainte-Marie, J., L.Sc.com.
Sauriol, P., L.S.P., dip. journalism.
Séguin, M., L.Lett., D.Lett.
Walsh-Lepage, Miss K., M.A. (S.W.) Fordham.

## Dentistry

*Anæsthetics*

Charron, E., D.D.S., F.I.C.D., F.A.C.D., F.D.S.R.C S. Prof., Dean.
Raymond, A., D.D.S. Assoc. Prof.
Clermont, M., M.D., F.I.C.A. Lectr.

*Crown and Bridge Prosthesis*

Robichaud, H.-M., D.D.S. Assoc. Prof.
Trottier, J.-P., D.D.S., M.Sc.Dent. Assoc. Prof.

*Dental Anatomy*

Gauthier, G., D.D.S., F.A.C.D. Prof.
Bussières, J., D.D.S. Assoc. Prof.

*Dental Hygiene*

Hébert, A., D.D.S., L.S.P. Assoc. Prof.

*Dental Metallurgy*

Brouillet, H., D.D.S. Assoc. Prof.

*Dental Pathology*

Racey, A.-G., D.D.S., F.A.C.D. Assoc. Prof.

*Dental Prosthesis*

Nadeau, J., D.D.S. Assoc. Prof.
Brouillet, H., D.D.S. Assoc. Prof.

Patenaude, C., D.D.S. Assoc. Prof.

*Dental Surgery*

Demontigny, G., D.D.S., M.Sc. Dent., F.I.C.D. Prof.
Raymond, A., D.D.S. Assoc. Prof.
Genest, A., M.D., D.D.S. Lectr.

*Diagnosis and Radiology*

L'Archeveque, A., D.D.S. Prof.
Fontaine, J. N., D.D.S. Asst. Prof.

*Ethics*

Archambault, C., D.D.S., M.Sc. Dent. Assoc. Prof.

*History of Dental Surgery*

Fortier, A., D.D.S., F.I.C.D. Assoc. Prof.

*Materia Medica*

Lachapelle, J.-P., D.D.S. Assoc. Prof.

*Operative Dentistry*

Renaud, A., D.D.S. Prof.
Deschênes, G.-H., D.D.S. Assoc. Prof.
Olivier, J., D.D.S. Assoc. Prof.
Tremblay, V., D.D.S. Asst. Prof.

*Orthodontics*

Geoffrion, P., D.D.S., F.I.C.D., F.A.C.D. Prof.
Hébert, O., D.D.S., L.S.P. Assoc. Prof.
Bengle, O., D.D.S. Asst. Prof.

*Pedodontics*

Charpentier, J. L., D.D.S. Prof.

*Periodontics*

Gendron, R., D.D.S. Asst. Prof.

## Law

*Air Law*

Mateesco, N., LL.D. Paris Asst. Prof.

*Civil Law*

Brossard, Hon. A., LL.L. Prof.
Caron, M., LL.D. Prof.
Mayrand, A., LL.L. Prof.
Beetz, J., LL.L. Asst. Prof.
Martineau, P., LL.L. Asst. Prof.

*Civil Procedure*

Bissonnette, Hon. B., LL.D. Prof.
Ferland, P., LL.L., Asst. Prof.
Perreault, C., LL.D. Asst. Prof.
Tremblay, L., LL.D. Asst. Prof.

*Commercial Law*

Perreault, J., LL.D. Prof.

*Commercial Legislation*

Filion, J., LL.L. Asst. Prof.

*Constitutional Law*

Bissonnette, Hon. B., LL.D. Prof.

*Criminal Law*

Lagarde, I., LL.L. Prof.

*Economics*

Montpetit, E., LL.D. Prof.
Carignan, P., LL.L. Asst. Prof.

*Ethics*

Poisson, Rev. Père P. Prof.

*History of Law*

Comtois, R., LL.L. Assoc. Prof.

*Industrial Legislation*

Brossard, Hon. R., LL.L. Prof.

*Insurance*

Mercier, F., LL.L. Asst. Prof.

*International Law*

Gouin, Hon. L.-M., LL.D. Prof.

*Maritime Law*

Montpetit, Hon. A., LL.L. Asst. Prof.

*Municipal Law*

Prévost, Hon. C., LL.B. Prof.

*Notarial Procedure*

Faribault, M., LL.D. Prof.

*Roman Law*

Carignan, P., LL.L. Asst. Prof.

## Medicine

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

*Anæsthesia*

Longtin, L., M.D. Assoc. Prof.

Assistant Professors

Cousineau, G., M.D.
Doucet, J.-C., M.D.
Dubeau, M., M.D.
Lamoureux, L., M.D.
Légaré, M., M.D.
Marsolais, A., M.D.
Rochette, R., M.D.

*Bacteriology*

Frappier, A., M.D. Prof.
Bertrand, A., M.D. Prof.
Fredette, V., B.Pharm., D.Sc. Assoc. Prof.
Gauthier, P.-P., M.D. Assoc. Prof.
Martineau, B., M.D. Asst. Prof.
Sonea, S., M.D. Asst. Prof.

*Biochemistry*

Baril, G., M.D., cert. ét. sup. ch. Paris, Hon. D.Sc. Prof.
Bouthillier, L. P., L.Sc., M.Sc., Ph.D. Assoc. Prof.
Gagnon, A., M.D., L.Sc. Assoc. Prof.
Gosselin, G., M.D., L.Sc. Assoc. Prof.
Bouziane, N., M.D. Asst. Prof.

*Deontology and Medical Ethics*

Pepin, J.-R., M.D. Prof.
Paquin, Rev. J. Prof.

*Dermatology and Syphilology*

Marin, A., M.D. Prof.
Poirier, P., M.D. Assoc. Prof.

Assistant Professors

Blais, R., M.D.
Foisy, J.-P., M.D.
Lambert, A., M.D.
Leclerc, G., M.D.
Turgeon, P., M.D.

*Experimental Medicine and Surgery*

Selye, H., M.D., Ph.D. Prague, D.Sc. McG., F.R.S.C. Prof.

*Gynæcology*

Gérin-Lajoie, L., M.D. Prof.

Associate Professors

Magnan, A., M.D.
Meunier, P., M.D.
Simard, R., M.D.

Assistant Professors

Gauthier, J., M.D.
Ouimet, C., M.D.
Simard, R., M.D.

*Histology and Embryology*

Bonin, W., M.D. Dean and Prof.
Frappier, J., M.D. Assoc. Prof.

Assistant Professors

Bélanger, Y., M.D.
Poirier, L., M.Sc., Ph.D. Mich., M.D.
Rémillard, G., M.D.

*Legal Medicine and Toxicology*

Fontaine, R., M.D. Prof.
Roussel, J.-M., M.D. Assoc. Prof.

*Materia Medica*

Dufresne, R., M.D. Prof.

*Medicine*

Professors

Prévost, J., M.D.
Dussault, R., M.D.
de Guise, A., M.D.
Boucher, R., M.D.
Pepin, J.-R., M.D.
Grignon, C., M.D.

Associate Professors

Archambault, P.-R., M.D.
Chaput, Y., M.D.
Dumas, P., M.D.
Fortier, L., M.D.
Gariépy, L.-H., M.D.
Gatien, R., M.D.
Gratton, A., M.D.
Hébert, G., M.D.

Lefebvre, R., M.D.
Letendre, P., M.D.
Morin, P., M.D.
Morissette, L., M.D.
Robert, P., M.D.

Assistant Professors
Baillargeon, B., M.D.
Bernier, J., M.D.
Casgrain, G., M.D.
Cléroux, A., M.D.
David, P., M.D.
Derome, L., M.D.
Dontigny, P., M.D.
Durivage, J., M.D.
Fournier, G., M.D.
Garon, G., M.D.
Grégoire, F., M.D.
Grignon, J., M.D.
Joncas, F., M.D.
Lebel, L., M.D.
Legendre, J.-H., M.D.
Léger, J., M.D.
Longtin, Madeleine, M.D.
Mackay, A., M.D.
Manseau, O., M.D.
Marion, P., M.D.
Ménard, E., M.D.
Morin, G., M.D.
Prud'homme, J., M.D.
Robillard, R., M.D.
Rolland, R., M.D.
Séguin, F., M.D.

*Neurology and Psychiatry*
Saucier, J., M.D. Prof.

Associate Professors
Amyot, R., M.D.
Desrochers, J.-L., M.D.
Larivière, P., M.D.

Assistant Professors
Côté, F., M.D.
Genest, R., M.D.
Loignon, G., M.D.
Vasquez, J., M.D.

*Obstetrics*
Marion, D., M.D. Prof.

Associate Professor
Bélanger, G., M.D.

Assistant Professors
Attendu, C.-A., M.D.
Cailloux, R., M.D.
Dansereau, A., M.D.
Ducharme, G., M.D.
Ferron, M., M.D.
Fortier, J., M.D.
Gagnier, M., M.D.
Gagnon, J., M.D.
Gibeault, H., M.D.
Journet, L., M.D.
Lamothe, A., M.D.
Le Roy, A., M.D.
Manseau, A., M.D.
Ricard, H., M.D.
Sansregret, E., M.D.
Tétrault, J., M.D.

*Ophthalmology*
Badeaux, F., M.D. Prof.

Associate Professors
Blain, E., M.D.
Brault, J., M.D.

Assistant Professors
Cloutier, R., M.D.
Gélinas, L., M.D
Henry, F., M.D.
Pellerin, R., M.D.
Perron, L., M.D.

*Oto-Rhino-Laryngology*
Joubert, L. de G., M.D. Assoc. Prof.
Montreuil, F., M.D. Assoc. Prof.

Assistant Professors
Bonnier, M., M.D.
Berthiaume, C. A., M.D.
Brahy, J., M.D.
Dubuc, H., M.D.
Latraverse, V., M.D.
Legrand, H., M.D.
Mathieu, C., M.D.

*Pædiatrics*
Charbonneau, H., M.D. Prof.

Associate Professors
Guilbeault, A., M.D.
Labrecque, R., M.D.

Assistant Professors
Benoit, R., M.D.
Bombardier, J.-P., M.D.
Huard, G., M.D.
Larivière, P.-M., M.D.
Léonard, C., M.D.
Léveillé, A., M.D.
Major, W., M.D.
Martel, J.-A., M.D.
Piette, J., M.D.
Royer, A., M.D.
Trudel, H., M.D.
Vézina, N., M.D.

*Phthisiology*

Associate Professors
Hébert, F., M.D.
Millet, J.-A., M.D.
Paquette, P., M.D.
Pilon, J.-L., M.D.

Assistant Professors
Laurier, R., M.D.
Verschelden, M., M.D.

*Radiology*

Jutras, A., M.D. Prof.
Brodeur, P., M.D. Assoc. Prof.
Dufresne, O., M.D. Assoc. Prof.

Assistant Professors
Léger, J.-L., M.D.
Longtin, M., M.D.
Vallée, A., M.D.
Vallée, Y., M.D.

*Surgery*

Professors
Bruneau, J., M.D.
Desjardins, E., M.D.
Dubé, E., M.D.
Hébert, C., M.D.
Lefrançois, C., M.D.

Associate Professors
Archambault, F., M.D.
Bernard, L., M.D.
Couturier, A., M.D.
Deshaies, G., M.D.
Favreau, C., M.D.
Marchildon, P., M.D.
Paré, A., M.D.
Ricard, P.-M., M.D.
Rivard, J.-H., M.D.
Smith, P., M.D.
Tremblay, J., M.D.

Assistant Professors
Archambault, L., M.D.
Béique, L., M.D.
Bégin, B. G., M.D.
Bergeron, L., M.D.
Bertrand, C., M.D.
Bisson, C., M.D.
Cabana, J.-E., M.D.
Cartier, G.-E., M.D.
Champoux, R., M.D.
Cholette, J.-P., M.D.
Cloutier, G., M.D.
Décarie, R., M.D.
Dionne, L.-R., M.D.
Gagnon, E., M.D.
Gariépy, R., M.D.
Grignon, R., M.D.
Lamoureux, M., M.D.
Parenteau, A., M.D.
Roux, R., M.D.
Senécal, L.-P., M.D.
Saint-Onge, G., M.D.

*Urology*

Bourgeois, P., M.D. Prof.

Associate Professors
Bourque, J.-P., M.D.
Legault, J.-P., M.D.

Assistant Professors
Charbonneau, J., M.D.
Fournier, L., M.D.
Sylvestre, L., M.D.

## Philosophy

Régis, T.R.P. L. M., S.Th.L. LeSaulchoir, D.Ph., F.R.S.C. Dean and Prof.

(*a*) *Dept. of Philosophy*

Professors
Décarie, V., D.Ph.
Lachance, T.R.P. L., D.Ph., S.Th.M.
Landry, Rev. A. M., D.Ph., S.Th.L.
Martinelli, L., L.Ph.

Sylvestre, Rev. A., D.Ph.
Voyer, Rev. R.-M., S.Th.L., dip. Phil.Sc. Fribourg.

Associate Professor
Lacoste, P., D. de l'U. Paris, L.Ph.

Assistant Professors
Ambacher, M., L.Ph. Inst. Cath. de Paris, L. ès lett. phil., dipl. ét. sup. phil. and sc., dipl. biol.
Eschmann, Rev. I. Th., D.Th. Rome.
Geiger, Rev. L.-B., S.Th.L., D.Ph.
Klibansky, R., M.A. Oxon., D.Ph. Heidel.
Lortie, Monique, B.Ph., B.Psy.
O'Connor, A.-G., B.Sc., M.A., Ph.D.
Pauson, J.-J., M.A., L.Ph., Ph.D.
Vignaux, P., agrégé de phil. Sorbonne, Dir. of studies École des Hautes Études, Sorbonne.

(*b*) *Institute of Mediæval Studies*

Audet, Rev. Th.-A., S.Th.L. Ott., L.Th. Washington
Dir. and Prof.
Décarie, V., M.A., Ph.D.
Landry, Rev. A. M., L.Th.L. Ott., Ph.D.
Papillon, Rev. A., S.Th.L. Ott., D.Th. Rome.
Régis, T.R.P. L.-M., S.Th.L. Le Saulchoir, Ph.D., F.R.S.C.

Associate Professors
Bérubé, Rev. C., Ph.D. Rome.
Lacroix, Rev. B.-M., S.Th.L., Scientt. Medievv. D. Tor.
Pilon, Rev. P.-M., S.Th.L. Ott., Jur.Can.Lic. Laval.

Assistant Professors
Bazin, J., L. ès Lett. Sorbonne, dip. Inst. d'art et d'archéologie Paris.
Denburg, C., Ph.D.
Desautels, Miss A.
Fichet, Mrs. J., dip. d'archiviste-paléographe, cert. de Lic. en Hist. du Moyen-Age, Sorbonne.
Giguère, Rev. R.-M., Scientt. Medievv. Lic., dip. bibl.
Randall, L. V.

(*c*) *Institute of Psychology*

Mailloux, Rev. N., S.Th.L., D.Ph.
Dir. and Prof.
Pinard, Rev. A., S.Th.L., L.Ps.
Prof.

Associate Professors
Barbeau, G.-L., D.Ps.
Beausoleil, Rev. J., S.Th.L., D.Ps.
Bélanger, D., M.A., L.Ps.
Clerk, Mrs. G., L.Ps.
Décarie, Mrs. V., L.Ps.
Lavoie, G., L.Ps.
Lussier, A., L.Ps.
Mailhiot, Rev. B., S.Th.L., M.A.
Marcotte, J.-E., M.D.

Assistant Professors
Beauchemin, J.-M., L.Ps.
Dubreuil, G., M.A.
Hébert, B., B.Ps.
Lavoie, G., L.Ps.
Luthe, W., M.D.
Picard, Rev. R., S.Th.L., D.Ph.
Rousseau, J., L.Sc.nat., D.Sc., F.R.S.C.

**Theology**

Fournier, Rev. R., D.Th.
Dean and Prof.

Professors
Bolté, P.-E., D.Th., L.S.S. Laval.
Charron, Y., D.Th. Rome.
Desrosiers, J.-B., D.Th., D.Ph. Rome.
Ferland, A., D.Th., D.Ph. Rome.
Gagnon, E., D.D.C. Laval, D.Th.
Lesieur, R., D.Th. Rome.
Sauvé, I., D.Ph. Rome, L.Th.
Yelle, G., D.Th. Rome.

Associate Professor
Fecteau, R., D.Th.

Assistant Professors
Belcourt, E., D.D.C.
Brosseau, R., L.Th.
Bulteau, G.-M., L.E.S. Rome, L.Th.
Dorris, R., D.Th. Rome.
Labrecque, C., M.A. Oxon.
Lalande, G., L.Ch. Gr.
Ledit, Rev. J., M.A., Ph.D.
Ménard, J., D.Th., L.E.S.
Tanguay, O., L.Th.

## ADMINISTRATIVE AND OTHER STAFF

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## AFFILIATED INSTITUTIONS

AGRICULTURAL INSTITUTE, La Trappe, Oka, Que. (*Telephone*: La Trappe, Oka 989), about 30 miles from Montreal, founded 1893 by the Trappist Fathers of Oka. Director—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. (*Telephone*: Montreal, Plateau 3486.) Created by the Provincial Govt. in 1907. Director—Prof. E. Minville. 23 other Profs., 36 Asst. Profs. for: Accountancy; Banking; Customs Legislation; Economics; English; French; Geography; Economic Geog.; German; History; Insurance; Italian; Law, Comml. and Indust.; Maths.; Philosophy; Physics; Publicity; Spanish, etc.

APPLIED SCIENCE, including Engineering. ÉCOLE POLYTECHNIQUE, 1430 St.-Denis St., Montreal, 18 (*Telephone*: Montreal, Marquette 5311), which was founded in 1874, is subsidized by the Govt. of the Province of Quebec and the principal Railways of the Dominion. Principal—Ignace Brouillet. Director—Henri Gaudefroy. 14 Profs., 15 Assoc. Profs., 43 Asst. Profs. and others for: Architecture; Chemistry; Electricity; Electro-technics; Engineering—Civil, Elect., Mech. and Sanit.; Geology; Geometry; Graphical Statistics; Hydraulics; Industrial Chem.; Industrial Legislation; Machine Drawing; Maths.; Mineral.; Petrology; Physics; Public Works; Railways; Strength of Materials; Thermodynamics.

ENSEIGNEMENT SECONDAIRE OU CLASSIQUE. 25 Colleges for boys are affiliated to the Univ. under conditions providing for a 4 yrs.' High School course followed by a 4 yrs.' Coll. or Arts course, on the completion of which a student may qualify by examn. for a diploma admitting him to professional studies in the Univ. The Collège Marguerite Bourgeoys and 8 other Colleges provide similar College or Arts course for girls.

INSTITUT PÉDAGOGIQUE C.N.D., 4873 Westmount Av., Montreal, 6. (*Telephone*: Montreal, Fitzroy 7388.) Directress—Sœur Sainte-Madeleine du Sacré-Cœur.

INSTITUT PÉDAGOGIQUE ST.-GEORGES POUR LES HOMMES, Mont-de-la-Salle, Laval-de-Rapides, 9. (*Telephone*: Montreal, Montcalm 4-3200.) Founded 1919. Director—R. F. Luc.

INSTITUT MARGUERITE D'YOUVILLE, École Supérieure pour infirmières, 1185 Saint-Mathieu St., Montreal, 25. (*Telephone*: Montreal, Fitzroy 1182.) Directress—Sœur Denise Lefebvre.

OPTOMETRY. 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Atlantic 7311.) Director—Alfred Mignot, 12 other Profs. and Assts.

VETERINARY SCIENCE. École de Médecine Vétérinaire, Saint-Hyacinthe, Que., about 35 miles from Montreal, founded in 1886. (*Telephone*: Saint-Hyacinthe 4-8343.) Director—G. Labelle, D.M.V. 3 Profs., 9 Assoc. Profs, 14 Asst. Profs. and others.

ÉCOLE NORMALE SECONDAIRE, 3880 Chemin de la Côte-des-Neiges, Montreal, 25. (*Telephone*: Montreal, Fitzroy 8813.) Director—Rev. G. Perras.

INSTITUT DE PÉDAGOGIE FAMILIALE ET D'ENSEIGNEMENT MÉNAGER, 1410 Mont-Royal Blvd., Outremont, 8. (*Telephone*: Montreal, Victoria 2016.) Directress—Sœur Marie-Donalda.

## ATTACHED INSTITUTIONS (ÉCOLES ANNEXÉES)

INSTITUT NAZARETH ÉCOLE DE MUSIQUE, 1460 Chemin de la Côte-Saint-Michel. (*Telephone*: Montreal, Dupont 4277.) Directress—Sœur Cécile Desilets. 13 other teachers.

ÉCOLE VINCENT D'INDY, ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SS. NN. DE JÉSUS ET DE MARIE, 1410 Mont-Royal Blvd., Outremont, 8. (*Telephone*: Montreal, Talon 1215.) Directress—Sœur Marie-Stéphane. 32 other teachers.

ÉCOLE SUPÉRIEURE DE MUSIQUE DE L'INSTITUT DES SŒURS DE STE-ANNE, Lachine, 32, P.Q. (*Telephone*: Montreal, Nelson 5-0384.) 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.

HOME ECONOMICS, 9 schools.

ÉCOLE D'ÉDUCATION FAMILIALE ET SOCIALE, 5035 De Laroche St., Montreal, 34. (*Telephone*: Montreal, Dollard 1445.) Directress—Sœur Marie Gérin-Lajoie. 38 other teachers.

ÉCOLE DE TOURISME, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Exdale 6561.) Director—Fernand Delhaes. 10 other teachers.

CONSERVATOIRE LASSALLE (French elocution and oratory), 5603 Canterbury Av., Montreal, 26. (*Telephone*: Montreal, Atlantic 1406.) Director —G. Landreau. 6 teachers.

ÉCOLE DE BIBLIOTHÉCAIRES, 25 St. James East, Montreal, 1. (*Telephone*: Montreal, Plateau 8335.) Director—L.-P. Desrosiers. 17 other teachers.

INSTITUT PIE XI, 2065 Sherbrooke West, Montreal, 25. (*Telephone*: Montreal, Fitzroy 1650.) Director—J. B. Desrosiers. 21 other teachers.

INSTITUT DE DIÉTÉTIQUE ET DE NUTRITION, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Atlantic 9451.) Attached to the Faculty of Medicine. Directress—Rachel Beaudoin. 8 other teachers.

INSTITUT DE TRADUCTION, 410 Wiseman St., Montreal, 8. (*Telephone*: Montreal, Dollard 5879.) Directress—Jeanne Grégoire. 6 other teachers.

ÉCOLE DE TECHNOLOGIE MÉDICALE, Gamelin (Laval), P.Q. (*Telephone*: Montreal, Clairval 4021.) Directress—Sœur Camille-de-Jésus.

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RADIUM INSTITUTE, 4120 Ontario St. East, Montreal, 4. (*Telephone*: Montreal, Frontenac 3151.) Director—O. Dufresne, M.D. Founded 1922, affiliated to the Radium Institute in Paris 1923. Hospital attached.

INSTITUTE OF MICROBIOLOGY AND HYGIENE, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Atlantic 9451.) Founded in 1938. Director—A. Frappier, M.D.

INSTITUTE OF EXPERIMENTAL MEDICINE AND SURGERY, 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Atlantic 9451.) Director—Dr. H. Selyé.

## GENERAL INFORMATION

Originally established in Montreal in 1876 as a branch of Laval Univ., the University of Montreal became autonomous in 1920, under a special Act of the Legislature of the Province of Quebec subsequently revised in 1950 (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 Mont-Royal. The present bldgs. were erected between 1937 and 1941, at a cost of over $12,000,000. In 1947–48, an additional $12,000,000 was raised through public subscriptions for the purpose of completing and extending the present facilities, including the completion of the Hospl. (originally planned for 500 beds), a Union bldg., dormitories and a Sport Centre for the students, plus a pension fund for the professors and personnel.

LIBRARY, 275,000 vols. Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES AND DEANS, v. p. 793.

DEGREES. B.Ph. in Psychology or Mediæval Studies, 1 yr.; B.Ph., 1 or 2 yrs.; B.D.S. (B.Mus.), 2 yrs.; B.Th., 2½ yrs.; LL.B., 3 yrs.; B.Sc.-N., B.Sc., B.Pharm., B.A., 4 yrs.; L.Th., 1 yr. after B.Th.; L.Ph., 1 yr. after B.Ph.; L.Ph. in Psychology, 2 yrs. after B.Ph. in Psychology; L. ès L., 2 yrs.; LL.L., L.Mus. (sacrée), 3 yrs.; L.Mus. (profane), 4 yrs.; M.D., 5 yrs.; M.A. in Law, 1 yr. after LL.B. or LL.L.; M.A. in Mediæval Studies, 1 yr. after B.Ph.; M.A. in Letters, 1 yr.; M.A. in Philosophy, 1 or 2 yrs.;

M.A. in Psychology, 2 yrs.; M.Sc. in Medicine, 1 yr. after M.D. or B.Sc.; M.Sc.-N., 12 mos. after B.Sc.-N.; M.Sc., 1 yr. after B.Sc.; M.Pharm., 1 yr. after B.Pharm.; M.Sc. Soc., M.R.I. (Industrial Relations), M.S.S. (Social Service), 3 yrs.; M.Mus. (sacrée), 4 yrs.; M.Mus. (profane), 6 yrs.; D.Th., 1 yr. after L.Th.; D.Ph., 1 yr. after L.Ph.; Ph.D. in Philosophy, 1 yr. after L.Ph. or 2 yrs. after M.A.; D.Sc. or Ph.D. in Science, 2 yrs. after M.Sc.; D.Mus., 2 yrs. after M.Mus.; LL.D., 2 yrs. after LL.L.; Ph.D. in Letters, 2 yrs. after M.A.; Ph.D. in Medicine, 3 yrs. after M.D. or B.Sc.; Ph.D. in Mediæval Studies, 3 yrs.; D.Pharm., 3 yrs. after B.Pharm.; Ph.D. in Psychology, D. ès L., D.D.S., 4 yrs.; D.H.P., D.H.D.P., or D.H.V.P., I.H., 1 yr.; L.H., 4 terms; Dipl. d'inf., 3 yrs.

*Degrees in the Affiliated Schools.* Polytechnique: B.Sc.A., 5 yrs.; M.Sc.A., 1 yr. after B.Sc.A.; D.Sc.A., 3 yrs. after B.Sc.A. Hautes Études Commerciales: B.Sc.Com., 2 yrs.; L.Sc.Com., 3 yrs.; L.Sc.Comptables, 1 yr. after L.Sc.Com.; L.Sc. Act., 1 yr. after L.Sc.Com.; D.Sc.Com. Optometry: L.Sc.O., 3 yrs. Institut Agricole d'Oka: B.S.A., 4 yrs.; L.S.A., 4 yrs.; M.S.A. École de Médecine Vétérinaire de la Prov. de Québec: D.M.V., 4 yrs. Institut Marguerite d'Youville: B.Sc.Ed.Inf., 2 yrs. École Normale Secondaire: B.Péd., 1 yr.; L.Péd., 2 yrs.; D.Péd., 2 yrs. after L.Péd. Institut Pédagogique St.-Georges: B.Péd., 1½ yrs.; L.Péd., 2 yrs. after B.Péd.; D.Péd. Institut Pédagogique (C.N.D.): B.Péd., 4 yrs.; L.Péd., 3 yrs. after B.Péd. (extension course); D.Péd., 2 yrs. after L.Péd. Institut de Pédagogie Familiale: B.P.F., 2, 3 or 4 yrs.

Fees 1952–53 (Annual). Theol., $425; Law, $295; Med., $395; Experimental Med. and Surg., $250; Philos., $300; Mediæval Studies, $300; Psychol., $300; Letters, $300; Sciences, $275; Dental Surg., $325; Pharm., $225; Social Sci., $75; Industrial Relations, $250; Social Service, $250; Optometry, $300; Hygiene, $275; Polytechnic Sch., $275; Sch. of Agric., $125; 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 University of Montreal or its equivalent. Students residing outside the Province of Quebec must submit full particulars of studies and marks obtained during their B.A. course or towards the securing of any other diploma submitted. For full details *see* the *General Prospectus* and the respective *Prospectus* of each Fac. and School concerned. Enquiries should be addressed to the Secretary-General. *See also* Appendix I.

Usual Language of Instruction: French.

Vacation Courses in French and English Literatures and Languages, Philosophy, Hygiene, Dental Surg. and Pure Science.

Graduates Association. A.G.D.U.M. (Association Générale des Diplomés de l'Université de M.) 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Atlantic 9451.) Sec.—R. Bordeleau.

University Military Formation. Corps-École d'Officiers Canadiens. (C.O.T.C.) Also University Naval Training Division and R.C.A.F. Reserve University Flight.

Students' Union. A.G.E.U.M. (Association Générale des Étudiants de l'Université de Montréal.)

Publications. *Annuaire général* (May), *General Prospectus* and Faculty *Prospectuses*; *La Revue trimestrielle canadienne* ($3); *L'Actualité économique* ($3); *L'Action universitaire* ($3).

## THE YEAR 1951-52

DEATHS. Dr. U. Gariépy (Emer. Prof., Fac. of Med.); Hon. juge P. Demers (former Dean, Fac. of Law); H. Lalonde (Asst. Prof., Fac. of Pharm.); R. F. J. Ouellet (former Prof., Fac. of Science); R.P. J. Péghaire (Prof., Fac. of Philos.); Dr. C. Nadeau (Asst. Prof., Fac. of Med.); A. Laliberté (Hon. Doctor, Univ. of Montreal).

HONORARY DEGREES. *D. de l'U.*—Hon. Gaspard Fauteux; Hon. Antoine Rivard; Oswald Mayrand; Mgr. Ferdinand Vandry; Viscount Alexander; Hon. Édouard Asselin; Rt. Hon. Francis Forde; Hon. Wilfrid Gagnon. *Law*—René Savatier. *Letters*—Daniel Rops. *Dentistry*—Dr. Leuman M. Waugh.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1978 | 6393 |
| Women | 3833 | 3156 |
| Total | 5811 | 9549 |

Postgraduate students, 517.

DEGREES. *Agriculture*: M.S.Agr., 1; L.S.Agr., 11; B.S.Agr., 9. *Arts*: B.A., 812. *Commerce*: L.Sc.Com., 59; B.Sc.Com., 6. *Dentistry*: D.D.S., 45; B.D.S., 19. *Education*: D.Péd., 1; L.Péd., 67; B.Péd., 64. *Engineering*: M.Sc.A., 1; B.Sc.A., 78. *Hygiene*: D.H.P., 9; I.H., 32. *Law*: M.A. (Law), 3; LL.L., 34; LL.B., 47. *Letters*: D.Lett., 4; M.A., 30; L.Lett., 7. *Medicine*: M.D., 84; Ph.D., 4; M.Sc.-N., 2; B.Sc.-N., 10; B.Sc.Inf., 5. *Music*: M.Mus., 2; L.Mus., 14; B.Mus., 21. *Optometry*: L.Sc.O., 13. *Pharmacy*: B.Pharm., 69. *Philosophy*: D.Ph., 2; L.Ph., 7; M.A. (phil.), 5; B.Ph., 9; L.Ph. (Med. Studies), 2; B.Ph. (Med. Studies), 2; L.Ph. (psych.), 8; M.Ph. (psych.), 7; B.Ph. (psych.), 21. *Science*: D.Sc., 5; M.Sc., 17; B.Sc., 45. *Social and Political Science*: L.S.P., 58; M.R.I., 12; M.S.S., 7. *Theology*: L.Th., 16; B.Th., 45. *Veterinary Medicine*: D.M.V., 26.

[*Information compiled as at* 15/6/53.]

# MOUNT ALLISON UNIVERSITY*

Founded 1858; previously established as Mount Allison Wesleyan Academy, 1840

*Postal Address*: Sackville, New Brunswick, Canada.

*Telephones*: Sackville 15, 17 and 258.

CHAIRMAN OF THE BOARD OF REGENTS—N. T. AVARD, B.A., LL.D.

PRESIDENT OF THE UNIVERSITY—Col. the Rev. W. T. R. FLEMINGTON, O.B.E., B.Pæd. Tor., D.D. Qu., LL.D. New Br., M.A.

VICE-PRESIDENT OF THE UNIVERSITY—H. W. MCKIEL, B.A., B.Sc. Qu., LL.D.

SECRETARY OF THE SENATE—D. G. MACGREGOR, B.A. Dal., M.A. Oxon.

REGISTRAR—Mrs. CHRISTINE MACINNES, B.A. Dal.

ASSOCIATE LIBRARIAN—OLGA B. BISHOP, B.P.Ad. Carleton, M.L.S. Mich., M.A.

FACULTIES AND DEANS—*Arts*, including Conservatory of Music and Sch. of Fine and Applied Arts—Rev. H. TUCKER, B.A. Acad., A.M., M.Ed. Harv., Ph.D. Hartf. *Science*, including Schools of Engin. and Home Econ.—F. L. WEST, B.Sc. McG., D.Eng. N.S.T.C., M.A.

## TEACHING STAFF

*Art*, v. Fine and Appl. Arts, *infra*

*Biblical History and Literature*

Ebbutt, Rev. A. J., B.D. Pine Hill, Th.D. Vic. Tor., B.A. Prof.

Des Barres, Rev. F. W. W., B.A., D.D. Pt.-time Lectr.

*Biology*

Fraser, R., B.S.A. Tor., M.A. Kansas Prof.

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.

Barclay, L. R. C., M.Sc. Lectr.

*Classics*

Crake, J. E. A., B.A. Tor., M.A. Oxon., Ph.D. Johns H. Prof.

MacKay, A. G., B.A. Tor., M.A. Yale, A.M., Ph.D. Prin. Lectr.

*Commerce*

Leard, A. D., B.A. Lectr.

*Economics, Sociology 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.

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

Thorburn, H. G., B.A. Tor., A.M. Col. Lectr.
Thorburn, Mrs. Gwendolyn, M.A. Tor. Lectr.
Wylie, Eleanor G., B.A. New Br., M.Sc.Econ. Lond. Lectr.

*Education*

Southam, H. D., B.A. Br. Col., D.Pæd. Tor. Prof.

*Engineering*

McKiel, H. W., B.A., B.Sc. Qu., LL.D. Brookfield Prof.
West, F. L., B.Sc. McG., D.Eng. N.S.T.C., M.A.
Dir., McClelan Sch. of E.
Flemming, A., B.E. N.S.T.C. (E. Drawing) Lectr.

*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.
Logie, Leon J., M.A. New Br., B.A. Camb. Lectr.

*Fine and Applied Arts*

Harris, L. P. Prof.
Colville, A., B.F.A. Asst. Prof.
Pulford, E. B., B.F.A. Instr.
Roulston, E. N., B.A. Instr.
Roulston, M. L., B.A. Instr.

*French*

MacBeth, T. A., M.A. New Br. Prof.
Cole, Marcella, M.A. Lectr.
Melnyk, M. Y., B.A. Montr., B.Ed. Pt.-time Lectr.

*Geology*

Lee, B., B.A., M.Sc. McG. Asst. Prof.

*German*

Scherrer, A., B.A. Sir G. Wms. Lectr.

*History*

Kerr, D. G. G., B.A. McG., Ph.D. Lond. (on leave) Prof.
Lockwood, P. A., M.A. Camb. Lectr.
Mealing, S. R., B.A. Alta., B.Litt. Oxon. Lectr.

*Home Economics*

Runciman, Doris, B.S., M.A. Col. Prof. and Dir.
Cavanagh, C. M., B.Sc. Acad., M.Sc. Col. Asst. Prof.
Kennish, Marjorie, B.Sc. Tor., M.B.A. Chic. Lectr.
Burkholder, Frances, M.A. Tor. Lectr.

*Mathematics*

Crawford, W. S. H., M.A. Minn., B.A. Prof.
Glenn, W. A., B.A. New Br. Asst. Prof.

*Music*

Whitehead, A., Mus.Bac. Tor., Mus.Doc. McG., F.R.C.O.
Dean of the Conservatory and Prof. of Organ and Theory.
Brown, H., B.A., Mus.B. Tor.
Hd. of Piano Dept., Prof.
Peake, Ethel
Hd. of Voice Dept., Lectr.
Allen, Dorothy, Mus.B. (Voice) Instr.
Patterson, Allison, B.Sc., B.Ed. (Piano and Organ) Instr.
Kinsman, E., Mus.B. (Piano). Instr.
Payzant, G., B.A. Dal., M.A. Tor. (Music Theory and Organ) Instr.
Elliott, C., Mus.B. (Public Sch. Music) Instr.

*Philosophy and Psychology*

Baxter, C., B.A. Tor., M.A., Ph.D. Tor. Prof.
Munro, Rev. W. F., M.A., B.D. Vic. Tor. Pt.-time Lectr.
Tuck, J. A., M.A. 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, Mrs. Anne, M.D., C.M. Dal. Pt.-time Lectr.

*Spanish*

Vargas, J. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Dean of Men, Donald W. MacLauchlan, B.Sc., Ph.D.; Dean of Women, Mrs. Anne Dickson, M.D., C.M. Dal.; Dir., Student Health Service, C. L. Gass, B.A., M.D., C.M. Dal.; Dir., Alumni and Public Relations, G. R. B. Inch, B.A.; 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 Mount Allison Wesleyan Academy was founded in 1840. Charles F. Allison, Esq., of Sackville, New Brunswick, contributed the site and buildings as well as annual support for ten years. A similar Academy for young women, also a gift from Mr. Allison, began its work in 1854. The charter of 1858 conferred on Mount Allison Wesleyan College full Univ. powers in regard to courses of study and degrees in the various Arts and Faculties, and these powers are expressly continued to the institution under its present designation of Mount Allison University. The ultimate ownership of the Univ. is in the General Conference of the Methodist Church of Canada. By the basis of union this ownership is now vested in the General Council of the United Church. The direct govt. is, however, vested in a Board of Regents and a Senate, and the aforesaid General Council exercises a controlling influence on the affairs of the Univ. through the power of appointing a majority of the Regents. The Senate is a composite body consisting of members of the Faculty of the Univ., the Headmaster of the Mount Allison 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 AND DEANS, v. p. 808.

ENTRANCE REQUIREMENTS. B.A. course: Jr. Matricn. in English, a classical lang., a foreign lang., Maths. and any two selected from Hist., Chem., Physics, Geol., Biol., Trigonometry, Music. B.Sc.: the same, except that one foreign lang. must be French or German. The matricn. examns. of the Canadian provinces and equivalent Certifs. are in general accepted for admission so far as they cover the subjects required for entrance. *See also* Appendix I.

DEGREE COURSES. 4 yrs. from Jr. Matricn., B.A., B.Com., B.Sc., B.Sc. in Home Economics. For the B.A. degree twenty full credit courses, including first and second yr. required courses and ten electives in the third and fourth yr., providing a major of five courses in one field and a minor of three courses in a related field, are chosen. Honour courses in certain subjects and groups

of subjects in Arts and Sci. are also provided. Students completing the certif. course in Fine Arts may proceed to a fourth yr. to qualify for the Bachelor of Fine Arts degree. The Mus.B. is conferred on the satisfactory completion of a course in Theory of Music and Composition.

PROFESSIONAL DEGREES. B.Ed. requires one yr. of 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.; Commerce, 2 yrs.; Secretarial, 3 yrs. Fine Arts, 3 yrs.; Applied Arts, 3 yrs.; Assoc. Music, 3 yrs.; Lic. Music, 4 yrs.

FEES. Tuition, Arts or Science, $180 p.a. for 5 subjects (lab. fees additional). General fee $57, including registration fee, concert and lecture series, rink, gymnasium, library, health services, insurance.

RESIDENCE. Accommodation available for 395 men and 300 women. Board and room (furnished) $430 p.a. Trueman House, senior residence, accommodation for 195 men; Brunswick House, 100 men; Mount Allison Academy Freshman Residence, 100 men; Allison Hall, 300 women. Ortona Hall and Normandy Hall, 16 apartments each, for married students and their families.

LIBRARY. Includes valuable private collections, 67,400 volumes.

EXTENSION DEPT. Extension work is offered in a limited number of courses. Present registration, 100.

SUMMER SCHOOL. The Maritime Summer School, July 3–Aug. 14, is a regular session of the Univ. Half courses are offered which must be completed at a subsequent session of summer school or through the Extension dept. Registration is limited to three half courses for Univ. credit. Registration in 1952, 163.

SCHOLARSHIPS. A number of entrance and course scholps. are available each yr., including five Lord Beaverbrook Entrance Scholps. of $500 per yr. for four yrs., twenty-four Herbert S. Sharp scholps. of annual value of $500 and four Bennett undergraduate scholps. of an annual value of $300. Other substantial scholps. are the Partenen in Mining Engin., two awards of $400 annually; the O. E. Smith scholps., the Dennis Memorial and others. Five Lord Beaverbrook postgraduate scholps. are available annually. These scholps. cover all expenses for a yr. at the Univ. of London.

MOUNT ALLISON FEDERATED ALUMNI. The Federation elects 20 of the 44 members of the Board of Regents, five each yr. to serve four yrs.

NATIONAL DEFENCE TRAINING. Male students who enrol in the Canadian Officers' Training Corps (C.O.T.C.) take a course of training designed to qualify them as commissioned officers in the Canadian Army. The University Naval Training Division, U.N.T.D., offers a four-yr. course at regular service rates of pay and, on successful completion of the course, admission into the Royal Canadian Naval Reserve as a sub-lieutenant. The Royal Canadian Air Force offers courses for Short Service Commission Officers in the R.C.A.F. Aircrew List and the University Summer Training Scheme as well as other training and employment schemes.

HOSPITAL AND HEALTH SERVICE. Includes physical examn. with chest X-ray at registration. There are two hospital units on the campus with

graduate nurses in charge and the campus physician in attendance. A small fee included in the general fee 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; *Arts*, a student literary publication, yearly; *Mount Allison Record* (Alumni), quarterly; the *Wood lectures* (occasionally), a number of pamphlets and leaflets.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Alumni Annual Fund, $51,000; Tweedie Foundation, $100,000, including Chair in English; Ronald Hayes Loan Fund, $5000; Herbert S. Sharp Scholp. Fund, $180,000; addition to E. B. Patterson Estate, $2500; Jeanette Emerson Thomas bequest, $4500; R. B. MacLennan bequest, $5000; Nettie Beer Bequest, $10,000.

NEW POST. Additional full-time lectr. in Commerce.

DEATH. Prof. Emer. William Morley Tweedie (English), Nov. 16, 1951; for 75 yrs. connected with Mt. All., first as student, for 50 yrs. as a teacher, and finally as a member of the governing board of the Univ.

HONORARY DEGREES. *LL.D.*—Richard Edgar Heartz, President of Shawinigan Engineering Co. Ltd., Montr., member of the Bd. of Regents of Mt. All.; Dr. David Stanley Likely, New York, eminent medical authority; The Rt. Rev. Dr. Clarence M. Nicholson, Moderator of the United Church of Canada, Principal of Pine Hill Divinity Hall, Halifax; Dr. Theodore S. Outerbridge, medical missionary, medical director of the International Relief Cttee. of China (1942), Acting Executive Director of the International Relief Cttee. (1947). *D.Litt.*—Charles Bruce, General News Editor of Canadian Press and distinguished Canadian poet. *D.C.L.*—The Rt. Hon. Louis Stephen St. Laurent, Q.C., Prime Minister of Canada.

STUDENT NUMBERS.

| | *External (Corr.)* | *Part-Time* | *Full-Time* |
|---|---|---|---|
| Men | 62 | 14 | 382 |
| Women | 38 | 12 | 245 |
| Total | 100 | 26 | 627 |

Postgraduate students, 10.

New admissions, 228.

Students from other countries, 51. (Countries from which largest numbers came: Bermuda, 14; British West Indies, 13; U.S.A., 12; United Kingdom, 6; South America, 5.)

DEGREES AWARDED. *Arts*: B.A., 43; M.A., 2; *Educn.*: B.Ed., 8; *Fine Arts*: B.F.A., 4; *Home Econ.*: B.Sc., 16; *Music*: B.Mus., 1; *Science*: B.Sc., 17; M.Sc., 2; *Social Work*: M.S.W., 3. *Total number of first degrees awarded*, 81.

CERTIFICATES AWARDED. Applied Arts, 6; Commerce, 8; Engineering, 15; Fine Arts, 10; Music: Assoc., 6; Lic., 4; Secretarial, 1. Total number of certificates, 50.

# MOUNT SAINT VINCENT COLLEGE

Chartered 1925

*Postal Address*: Halifax, Nova Scotia, Canada.
*Telephone*: 5-5441.

CHAIRMAN, BOARD OF GOVERNORS—Mother STELLA MARIA.

PRESIDENT—Sister MARIA ROSARIA, B.A. Dal , M.A., Ph.D. C.U.A.

DEAN—Sister FRANCIS D' ASSISI, M.A. Dal., Ph.D. Fordham.

REGISTRAR—Sister FRANCES CARMEL, B.A. Dal., M.A., Ph.D. Tor., L.M.S. Pont. Inst. Med. St., Tor.

LIBRARIAN—Sister FRANCIS DE SALES, B.A. Creighton, M.A. Dal., Ph.D Fordham.

## TEACHING STAFF

*Biology*

Sister Mary Lua, B.A. St. Johns, M.Sc. C.U.A.

*Chemistry*

Sister Mary Evelyn, B.A. Dal., M.A. Tor., Ph.D. C.U.A.

*Classics*

Sister Mary Berchmans, M.A. Dal., Ph.D. Fordham.

Sister Maria Rosaria, B.A. Dal., M.A., Ph.D. C.U.A.

*Economics*

Sister Ellen Francis, B.A., M.C.S. Boston, B.Sc.

*Education*

Sister Maria Catherine, M.A. Fordham.

Sister Mary James, M.A. Fordham.

*English*

Sister Marie Agnes, M.A. Dal., Ph.D. Fordham.

Sister Maura, B.A. Lond., M.A. Dal., Ph.D. Notre-Dame.

*French*

Sister Rose Celestine, M.A. Dal., Ph.D. Fordham.

*History*

Sister Francis d' Assisi, M.A. Dal., Ph.D. Fordham.

*Home Economics*

Sister Irene Marie, M.Sc. Simmons.

Sister Elizabeth Clare, M.Sc. Simmons, B.Sc.

Travis, Allayne, B.Sc. St. F.X., M.Sc. Montr.

*Library Science*

Sister Francis de Sales, B.A. Creighton, M.A. Dal., Ph.D. Fordham.

Sister Francis Dolores, B.A., B.L.S.

*Mathematics*

Sister Anna Gertrude, B.A. Dal.

Sister Mary Evelyn, B.A. Dal., M.A. Tor., Ph.D. C.U.A.

*Music*

Sister Rita Josephine, B.Mus. Manhattanville.

Sister Mary Corona, B.Mus.

*Philosophy*

Sister Frances Carmel, B.A. Dal., M.A., Ph.D. Tor., L.M.S. Pont. Inst. Med. St., Tor.

*Secretarial Studies*

Sister Ellen Francis, B.A., M.C.S. Boston, B.Sc.

*Sociology*

Sister Joseph Elizabeth, B.A. Dal., M.S.S.W. C.U.A.
Sister Louise Adelaide, B.A.

*Speech*

Sister Marie Eustella, B.A. Dal., B.O.E. Currie, M.A. Fordham.

## GENERAL INFORMATION

Mount Saint Vincent College is the only independent Women's College (*i.e.* empowered to confer degrees) in Canada.

On Jan. 31, 1951, the entire College building was burnt down. No lives were lost, but all College records, art treasures and the library of almost 60,000 volumes were destroyed together with the remainder of the contents of the building. The work of restoration and reorganization is proceeding, and more than 30,000 volumes have been donated to the library by Universities, private libraries and individuals.

LIBRARY, 30,000 vols. Students have access to books in Provincial Library as well as to those regulated by inter-college and Universities loan system.

FACULTIES. Arts; Science; Music; Nursing; Home Economics; Secretarial Studies; Library Science. Dean of Studies—Sister Francis d'Assisi, M.A., Ph.D.

DEGREES. B.A., B.Sc., B.Mus., B.L.S., L.Mus. The Arts course and the professional courses leading to the B.Sc. cover 4 yrs. after Junior Matriculation. The course leading to the Licentiate in Music covers 2 yrs. of the degree work. Professional courses require also special projects wherein during the summer vacation students spend a limited time actually in service in the field of their chosen professions.

COURSES OF STUDIES. Arts Course, Normal School (for teachers in the Province of Nova Scotia), Music Course (4 yrs. for B.Mus. and 2 yrs. of regular 4-yr. course for Licentiate), Science Course (4 yrs. for B.Sc. with a Chemistry or Biology major), Nursing (leading to B.Sc. in Nursing), Home Economics (4-yr. course leading to B.Sc.), Secretarial Studies (leading to B.Sc. in Sec. St.), Library Science (leading to B.L.S., 1-yr. course after Bachelor's degree), Education, 1 yr. after B.A. leading to High School Teacher's Licence granted by Provincial Dept. of Education.

FEES. Inclusive Fee for Board, Residence and Tuition, $550 p.a. Tuition only, $30 per course. Laboratory fees, $5 to $25. Degrees, $25.

RESIDENCE. Accommodation for approx. 175.

EXTRA-MURAL WORK. A limited amount of extra-mural work is done, under the direct supervision of the Professors of the various subjects.

## THE YEAR 1951–52

NEW BUILDINGS. A completely new bldg. housing residence accommodations, administrative offices, lecture rooms and labs., as well as separate wings for Chapel, Library, Home Econ. dept., Gymnasium-auditorium and Music dept. Labs. are specially equipped for Biol., Bacteriol., Organic and Inorganic Chem., Physics. An exceptionally fine collection of Mineral. specimens, the gift of Harvard Univ., is exhibited in permanent display cases.

Home Econ. dept. contains labs. for Foods and Nutrition; Demonstration Unit; Sewing; Art Principles and Design Studio and Lecture rooms.

The Library contains a spacious and well-lighted Reading Room with three levels of stacks. In addition, the Library Science section has several lecture rooms and work-rooms, including a room for non-book materials and visual educn. In the Rare Books Room is housed the MacDonald Collection where are found priceless volumes of first editions, original manuscripts, rare bindings and a large number of fore-edged paintings.

ADULT EDUCATION. By means of a specially arranged lecture schedule, the College enables teachers-in-service to continue their work towards a degree.

STUDENT NUMBERS. (Women only.)
Part-time, 33 ; full-time, 191 ; Summer session and Extra-Mural, 191.
Postgraduates : full-time, 17 ; Summer session and Extra-Mural, 4.
New admissions : full-time, 57.

DEGREES, ETC., AWARDED. B.A., 15 ; B.Sc. in Home Economics, 1 ; B.Sc. in Secret. Studies, 3 ; Dipl. in Journalism, 1 ; B.Sc. in Library Science, 4 ; Dipl. in Education, 7.

[*Information compiled as at* 10/6/53.]

# UNIVERSITY OF NEW BRUNSWICK*

Founded 1800

*Postal Address*: Fredericton, New Brunswick, Canada.
*Telephone*: 5533.

VISITOR ON BEHALF OF H.M. THE QUEEN—The Hon. D. L. MACLAREN, Lieut.-Governor of New Brunswick.

CHANCELLOR—The Rt. Hon. LORD BEAVERBROOK, LL.D.

PRESIDENT—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—*Arts*—A. G. BAILEY, Ph.D. Tor., B.A.; *Engineering*—E. O. TURNER, S.B. M.I.T., D.Sc.; *Forestry*—J. M. GIBSON, O.B.E., D.Sc.; *Graduate Studies*—F. J. TOOLE, B.Sc. Chem.Eng., Ph.D. McG., M.Sc.; *Law*—Hon. Mr. Justice W. H. HARRISON, D.S.O., LL.D.; *Science*—C. W. ARGUE, C.B.E., B.A., B.S.A. Br. Col., M.S. Iowa, D.Sc.

## TEACHING STAFF

*Biology*

Argue, C. W., C.B.E., B.A., B.S.A. Br. Col., M.S. Iowa, D.Sc. Dean, Sci., Prof.
Smith, G. F. M., M.B.E., Ph.D. Tor. Prof.
Warren, Althea A., A.M. Clark, Ph.D. Tor., B.A. Assoc. Prof.

Assistant Professors

Pritchard, H. V., B.A. Tor., A.M. Western.
Taylor, A. R., B.A. Tor.

*Chemistry*

Toole, F. J., B.Sc. Chem.Eng., Ph.D. McG., M.Sc. Dean, Graduate Studies, Prof.
Wiesner, K., D.Sc. Prague Prof.
Stuart, A. P., Ph.D. McG. Assoc. Prof.
Taylor, W. J., Ph.D. N.Z. Assoc. Prof.
Los, J. M., Drs. Amst. Asst. Prof.

*Classics*

Cattley, R. E. D., M.A. Camb. Prof.
Burrows, P. M., M.A. Camb. Asst. Prof.

*Economics and Politics*

Smith, W. Y., B.A. Oxon. and New Br. Prof.
Milligan, F. A., M.A. Manit. Assoc. Prof.
Anton, F. R., B.Sc. Lond. Asst. Prof.

*Education*

Love, R. J., B.Pæd. Tor., M.A. Prof.
McIntyre, G. F., B.Pæd. Tor., B.A. Asst. Prof.

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

*Engineering, Civil*

Turner, E. O., S.B. M.I.T., D.Sc. Dean, Engin., Prof.

Associate Professors

Beattie, I. M., B.Sc.
MacFarlane, H. W., B.Sc.
McLaughlin, R. H. B., B.Sc.
Stevens, A. M., B.Sc. Asst. Prof.

*Engineering, Electrical*

Dineen, J. O., M.Sc. Prof.
Collier, R. J., B.Sc. Alta. Assoc. Prof.

Assistant Professors

Galbraith, R. A. H., O.B.E., M.A. Tor.
Loane, G. H., B.Sc.
Plummer, D. K., B.Sc.

*Engineering, Mechanical*

Wheatley, E. E., B.Sc. McG. Prof.
Hagerman, E. W., B.Sc. Assoc. Prof.

*English*

Pacey, W. C. D., Ph.D. Camb. Prof.

Associate Professors

Galloway, D. R., M.A.
Lucas, A., M.A. Qu., A.M. Harv., Ph.D. Camb.
Cogswell, F., Ph.D. Edin. Asst. Prof.

*Forestry*

Professors

Gibson, J. M., O.B.E., D.Sc. Dean and Prof.
Long, H. D., B.Sc. Prof.
Seheult, L. R., M.Sc.F. Tor. Prof.
Brown, N. R., M.A. W. Ont. Assoc. Prof.
Pringle, S. L., B.Sc., M.F. Cal. Assoc. Prof.

Assistant Professors

Irwin, J. D., B.Sc.F. Tor.
Buckingham, F. M., M.F. Harv., B.Sc.

*Geology*

MacKenzie, G. S., Ph.D. Tor. Prof.
McAllister, A. L., Ph.D. McG., B.Sc. Assoc. Prof.
Melson, S., Ph.D. McG. Asst. Prof.

*German*

Hubener, Jean I., Dr.Phil. Bonn Prof.

*History*

Bailey, A. G., Ph.D. Tor., B.A. Dean, Arts, Prof.
McNutt, W. S., B.A. Lond. Prof.

*Law*

Sears, J. W., B.C.L. Oxon. Prof.

*Mathematics*

Professors

Rothberger, F., Ph.D. Vienna.
Jones, W. G., B.Sc., LL.D.

Associate Professors

Edwards, L. P., M.A. Acad.
Staal, R. A., Ph.D. Tor.

*Philosophy*

Stewart, D. A., Ph.D. Tor. Prof.

*Physics*

Boone, A. E., M.A. Western, B.Sc. Prof.
Kennedy, J. E., M.A. Qu. Assoc. Prof.

Assistant Professors

Tillotson, J. G., M.Sc. W. Ont.
Weiner, T., Doctor of Physics, Milan.

*Psychology and Sociology*

Snodgrass, Florence T., Ph.D. Yale Prof.
Black, P., B.Sc. Sir G. Wms., M.Sc. McG., A.M. Harv. Asst. Prof.
Pullman, D. R., B.Ed. Alta., M.A. Tor. Asst. Prof.

*Romance Languages*

McAndrew, W. A. G., D. de l'U. Paris Prof.
Whimster, Mary Louise, B.A. Manit. Asst. Prof.
Shaw, A. J., B.A. Tor. Asst. Prof.

## ADMINISTRATIVE AND OTHER STAFF

Alumni Sec.: J. C. Murray, B.A. Bursar: C. L. Mahan. Dean of Residence: W. G. Jones, LL.D. Dir., Physical Educn.: P. C. Kelly.

## GENERAL INFORMATION

The College of New Brunswick was incorporated in 1800 by Provincial Charter, re-incorporated in 1828 by Royal Charter as King's College, and again in 1859 as the University of New Brunswick. A Faculty of Law was established in 1923 in Saint John, taking over, with some changes, the work of the former King's College Law School. The Provincial Govt. appoints the President and a majority of the governing body, called the Senate, of which the Minister of Education and the Chief Supt. of Education for the Province are *ex-officio* members. The annual grant from Provincial revenues is $350,000.

LIBRARY. 80,000 vols. Rufus Hathaway collection of Canadian Literature; Viscount Bennett Papers; Rt. Hon. Bonar Law Papers; Earl Lloyd George Papers; Kipling Atlas.

FACULTIES AND DEANS, v. p. 816.

DEGREE COURSES. 5 yrs. (from Junior Matricn.), Engin., Forestry. 4 yrs., B.A., B.Sc., B.B.A. (Bachelor of Business Admin.). 3 yrs. from first degree, B.C.L. Senior Matricn. (or equivalent) Certif. admits to the 2nd year.

HIGHER DEGREES. B.Ed. (1 yr. from first degree); M.A. (2 yrs.), M.Sc. (2 yrs.); Ph.D. (3 yrs.). Honorary—D.Litt., D.Sc., LL.D.

DIPLOMA COURSES. 3 yrs.—Mining Engin., Chemical Engin.

FEES. Tuition, annual: Arts, $215; Pure Science, $250; Engin. or Forestry, $265; Law, $225; Business Admin., $215; Educn., $200.

VACATION COURSES. Six weeks' Summer School.

EXTENSION COURSES. B.A. degree courses given in Fredericton, Saint John, Moncton, and Andover, N.B.

ADMISSION REQUIREMENTS. Jr. Matricn. or equivalent in Algebra, Geom., Engl., and any 4 of Biol., Chem., French, Hist., Latin, Trigonometry, Phys. For Arts, Latin required. *See also* Appendix I.

ALUMNI ASSOCIATIONS. Associated Alumni of the Univ. of New Brunswick; Alumnae Society of the Univ. of New Brunswick.

LABORATORIES. Biol., Chem., Engin., Forestry, Geol., Physics, Psychol.; 7000-acre forest tract for Forestry field work.

MUSEUMS AND COLLECTIONS. Historical documents relating to early history of New Brunswick, a collection of Indian arrow-heads, axe-heads, etc.; Geological museum; Observatory telescope with six-inch clear aperture.

MILITARY TRAINING. Canadian Officers' Training Corps; University Naval Training Division; Royal Canadian Air Force Division.

RESIDENCE. Lady Beaverbrook's Building accommodates 85 men. Dean of Residence: W. G. Jones, LL.D. Board and lodging, $500 p.a. Maggie Jean Chestnut House for women students—accommodation for 33. Board and lodging, $500 p.a.

STUDENT HEALTH. **Tuberculosis survey of students made in the Autumn.**

SCHOLARSHIPS. Rt. Hon. Lord Beaverbrook Undergraduate Scholps., 7 of $500 each for 4 yrs.; graduate Overseas Beaverbrook Scholps., all expenses

including holiday travel in Great Britain ; Sir James Dunn Scholps., 2 of $500 each ; 1 graduate scholp. of $1000 ; research fellowship of $2500 ; 80 others ; 1 grad. Beaverbrook Scholp. of $750 for History ; Tom Hickey Memorial Scholp. of $600.

PUBLICATIONS. *Calendar* (Jan.) ; *Brunswickan* (students' weekly) ; *Fiddlehead* (students' poetry magazine) ; *Memorial Volume in commemoration of 150th anniversary.*

## THE YEAR 1951–52

BENEFACTIONS. $12,000 given by New Brunswick business firms for Bus. Admin. Dept. ; $80,000 for Forestry Dept. from several Pulp and Paper companies.

NEW DEPARTMENT. Extension Courses for a B.A. degree offered at various outside centres in N.B. during the winter session.

HONORARY DEGREES. H. L. Campbell, Air Vice-Marshal, R.C.A.F. ; Mrs. Annie I. Chestnut, Fredericton ; V. E. Johnson, President, International Pulp and Paper Co., Montr. ; G. J. Marr, St. John, N.B., Inspector of Schools ; O. Mayrand, Managing Director of " La Patrie," Montr. ; R. L. Weldon, President, Bathurst Pulp and Paper Co., Bathurst, N.B.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 706 |
| Women | .. | 90 |
| Total | .. | 796 |

Postgraduate students, 35.
New admissions, 140.

DEGREES. B.A., 38 ; M.A., 4 ; B.Sc. in Arts, 19 ; M.Sc. in Arts, 8 ; B.Ed., 15 ; B.C.L., 16 ; B.Sc. in Civil Engin., 33 ; B.Sc. in Electrical Engin., 22 ; M.Sc. in Mech. Engin., 1 ; B.Sc. in Forestry, 60 ; M.Sc. in Forestry, 4.

[*Information compiled as at 10/7/53.*]

# NOVA SCOTIA AGRICULTURAL COLLEGE

Founded 1905

*Postal Address*: Truro, Nova Scotia, Canada.
*Telephone*: Truro 467.

PRINCIPAL—KENNETH COX, B.S.A. Tor., M.S.A. McG.

REGISTRAR—PARKER COX, B.A. Acad., M.A. Tor.

LIBRARIAN—R. H. STEVENSON, B.A., B.Sc. Mt. All.

BUSINESS MANAGER—R. A. LANGILLE.

SECRETARY—LOLITA C. DEWAR.

## TEACHING STAFF

*Agricultural Engineering*
Milligan, D. C., B.Sc. (Agr.) McG.
Henry, C. E., B.Sc. (Agr.) McG.
MacNevin, M. C., B.Sc. (Agr.) McG.
Townsend, G. E., B.Sc. (Agr.) McG.

*Agronomy*
Cox, K., B.S.A. Tor., M.S.A. McG.
Shuh, J. E., B.S.A. Tor., M.Sc. McG.

*Animal Husbandry*
Hamilton, P. Y., B.Sc. (Agr.) McG., M.Sc. Maine.
Adams, D. M., B.S.A. Tor.
Johnson, J. D., B.Sc. (Agr.) McG.

*Apiculture*
Karmo, E. A., B.Sc. (Agr.) Tartu.

*Botany, Bacteriology*
Roland, A. E., B.A. Acad., M.A. Tor., Ph.D. Wis.
Palfrey, G. D., B.Sc. (Agr.) McG.

*Chemistry*
Smith, G. R., M.Sc. Dal., Ph.D. McG.
Milligan, J. E., B.Sc. (Agr.) McG.
Langille, W. M., B.Sc. Acad., M.Sc. McG.
Hilchey, J. D., B.Sc. (Agr.) McG.
Booker, J. R.

*Dairying*
Murray, T. K., B.S.A. Manit.

*Economics*
MacNeil, J., B.Sc. (Agr.) McG., M.Sc. Mich.
Scammell, F. E., B.Sc. (Agr.) McG.

*English*
Cox, P., B.A. Acad., M.A. Tor.

*Entomology*
Neary, M. E., B.Sc. (Agr.) McG.
Vickery, V. R., B.Sc. (Agr.) McG.

*Farm Management*
Jenkins, W. A., B.Sc. (Agr.) McG., M.Sc. (Agr.) Corn.

*Horticulture*
Collins, C. M., B.S.A. McG., M.S.A. Tor.
Jankov, N. V.
Crowe, A. D., B.Sc. (Agr.) McG., M.Sc. Corn.
Kinsman, G. B., B.Sc. (Agr.) McG.

MacLaughlin, H. A. L., B.Sc. (Agr.) McG., M.Sc. Corn.

*Mathematics, Physics*

Stevenson, R. H., B.A., B.Sc. Mt. All.

*Poultry*

Proudfoot, F. G., B.Sc. (Agr.) McG., M.Sc. (Agr.) Corn.

*Veterinary Science*

Hancock, E. E. I., D.V.M. Tor.

## GENERAL INFORMATION

CONTROL AND SUPPORT. The College is fully supported by the Province of Nova Scotia. The majority of the teaching staff are also Members of the staff of the Dept. of Agriculture and Marketing, in which the control of the College is vested.

DEGREE COURSE. Students who enrol for the degree course complete the first 2 yrs. of the four-yr. course at the Coll. Their third and fourth yr. studies are completed at the institution of their choice, *e.g.* Macdonald College or the Ontario Agricultural College. Graduates from Macdonald Coll. receive the degree of Bachelor of Science in Agriculture from McGill Univ. and those of Ontario Agric. Coll. a similar degree from the Univ. of Toronto.

Candidates for admission to the degree course must, *inter alia*, have had one season's farm experience and must satisfy educnl. requirements by presenting one of the following: (i) Province of Nova Scotia: Grade XI Certif. with Maths.; (ii) Prov. of N. Brunswick: Jr. Matric. Certif.; (iii) Prov. of P.E.I.: 2nd-yr. Certif. of Prince of Wales Coll.; (iv) Nfld.: Jr. Matric. with Maths.; (v) other certifs. in so far as they meet College entrance requirements. Candidates who intend to complete their course at the Ont. Agric. Coll. should possess a Grade XII Certif. as the Ont. Agric. Coll. now requires Sr. Matric. for admission to its courses. All applicants must possess a pass in Maths.

DIPLOMA COURSES. 2-yr. Farm Course and 2-yr. General Agriculture Course. The Farm Course is chiefly vocational and the General Agriculture Course is of a more practical nature than, but on approx. the same academic level as, the Degree Course.

FEES. Tuition—Canadians free, Non-Canadians $50 per yr. Fees $22 to $26 per yr.

FACILITIES. Main bldg., Science bldg., Horticulture bldg. (with greenhouses), Dairy bldg., Agricultural Engin. bldg. (under construction), and 300-acre farm.

PUBLICATIONS. By the College: *Calendar* (annual). By the Students' Council: *Agricola* (Year Book).

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 63 |
| Women | .. | 2 |
| Total | .. | 65 |

[*Information compiled as at 25/5/53.*]

# NOVA SCOTIA TECHNICAL COLLEGE *

*Postal Address*: Halifax, Nova Scotia, Canada.
*Telephone*: 3-1227.

CHAIRMAN OF THE BOARD OF GOVERNORS—Hon. HENRY D. HICKS, B.A. Mt. All., B.Sc. Dal., B.A., B.C.L. Oxon., Minister of Education, Province of Nova Scotia.

PRESIDENT—ALAN E. CAMERON, M.Sc. McG., D.Sc. M.I.T.

HEADS OF DEPARTMENTS — Professor SPENCER BALL, B.Sc. Sask. (Civ. Engin.); Professor DAVID S. NICOL, B.Sc. Qu. (Electr. Engin.); Professor SETON J. MONTGOMERY (Mech. Engin.); Professor A. EDWARD FLYNN, A.R.S.M., D.I.C. (Mining Engin.); Professor M. ROY FORAN, M.Sc. Sask., Ph.D. McG. (Chem. Engin.); Professor GERALD F. MURPHY, B.E. Dal. (Metallurgical Engin.).

REGISTRAR—JAMES B. TERNAN, B.E.

BURSAR—R. BRENTON CAMPBELL.

LIBRARIAN—DONALD A. REDMOND, B.Sc. Mt. All., B.L.S. McG., M.S. in L.S. Ill.

## TEACHING STAFF

*Chemical Engineering*

Foran, M. R., M.Sc. Sask., Ph.D. McG. Prof.
MacLean, D. B., B.Sc. Acad., Ph.D. McG. Assoc. Prof.
Shelstad, K. A., B.E. Sask. Asst. Prof.
1 Lectr.

*Civil Engineering*

Ball, S., B.Sc. Sask. Prof.
Mazur, S. J., Ph.D. Lond. Assoc. Prof.

Assistant Professors

March, J. W., B.Sc.
Heaps, H. S., B.Sc. Manc., M.A. Tor.
1 Lectr.

*Electrical Engineering*

Nicol, D. S., B.Sc. Qu. Prof.
Burchill, G. H., B.Sc. Assoc. Prof.
Vail, G. F., B.E., M.A.Sc. Tor. Assoc. Prof.
Grant, C. E. Asst. Prof.
1 Lectr.

*Mechanical Engineering*

Montgomery, S. J. Prof.

Associate Professors

Donkin, R. P., B.Sc.
Baker, M. L., B.Sc.

Assistant Professors

Ripley, H. A., B.Sc.
Coleman, F. R., B.Sc.
2 Lectrs.

*Metallurgical Engineering*

Murphy, G. F., B.E. Dal. Prof.

*Mining Engineering*

Flynn, A. E., A.R.S.M., D.I.C. Prof.
Cameron, E. L., B.Eng. McG. Asst. Prof.

* Additional member of the Association of Universities of the British Commonwealth.

## ADMINISTRATIVE AND OTHER STAFF

Members of the Jt. Services Univ. Trg. Cttee.: Chairman—Major A. E. Cameron, M.Sc. McG., D.Sc. M.I.T.; Lt. Cdr. (L.) G. F. Vail; Major G. T. Kirk, M.B.E., B.A.Sc.; F/L. A. R. Crane.

Sports Dir.: V. E. Vaughan, B.E.

## ASSOCIATED UNIVERSITIES

ACADIA UNIVERSITY, Wolfville, N.S. President—Watson Kirkconnell, O.P.R., M.A. Qu., Ph.D. Debrecen, LL.D. Ott. and New Br., D.P.Ec. Ukr. Free U., D.Litt. McM., F.R.A.I., F.R.Hist.S., F.R.S.C. DALHOUSIE UNIVERSITY, Halifax, N.S. President—A. E. Kerr, B.D. Union Sem., N.Y., B.A. Dal., D.D. United Coll., Acad. and Glas., LL.D. Mt. All. and New Br. MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Nfld. Vice-Chancellor and President—R. Gushue, C.B.E., Q.C., LL.B. Dal., D.Cn.L. K.C.N.S. MOUNT ALLISON UNIVERSITY, Sackville, N.B. President—Col. the Rev. W. T. R. Flemington, O.B.E., M.A. Mt. All., B.Pæd. Tor., D.D. Qu., LL.D. New Br. ST. FRANCIS XAVIER UNIVERSITY, Antigonish, N.S. President—Rt. Rev. P. J. Nicholson, Ph.D. Johns H. SAINT MARY'S UNIVERSITY, Halifax, N.S. President—Very Rev. F. Lynch. UNIVERSITY OF NEW BRUNSWICK, Fredericton, N.B. President—A. W. Trueman, M.A. Oxon., D.Litt. Mt. All., LL.D. New Br.

## GENERAL INFORMATION

The Nova Scotia Technical College was authorized by an Act of the Provincial Legislature in April 1907 (N.S. Laws, 1907, Chapter 1, Act relating to Technical Education). The Act provided that: "There shall be established at Halifax an institution for the purpose of affording facilities for scientific research and instruction and professional training in civil, mining, mechanical, chemical, metallurgical and electrical engineering, or any other departments which may from time to time be added. The annual expenditure incurred in connection with the institution shall be defrayed out of the Provincial Treasury."

A site was provided by the Dominion Department of Militia and Defence on the condition that the Coll. would include military trg. as a required subject in all depts. of Engin. The erection of the main bldg. proceeded during 1908 and the Coll. was opened under the direction of Frederic H. Sexton, B.Sc. M.I.T., as Principal, with courses in Civ., Electr., Mech. and Mining Engin., in the autumn of 1909. The 1907 Act relating to Technical Educn. was repealed in 1947 and 2 new Acts, one relating to Engin. educn., the other to Secondary Technical educn., were passed by the Provincial Legislature. By these Acts the 2 branches of educn. mentioned above were placed under separate heads. Thus the Coll. will confine its activities to work of Univ. level only. Under the new Nova Scotia Technical College Act authority was given for the establishment of graduate studies and res., and provision was made for close co-operation between the Coll. and the Nova Scotia Research Foundation. A further expansion in 1947 was the addition of the Dept. of Chem. and Metallurgical Engin. Courses of instruction in this dept. were made available to students at beginning of 1947–48 term.

LIBRARY. 9000 vols.

LABORATORIES. Civ., Electr., Mech., Mining, Chem. and Metallurgical.

ENTRANCE REQUIREMENTS. Applicants must have attained the age of 19 yrs. A student who has been granted a dipl. or certif. by one of the

Associated Univs. (v. *supra*) testifying that he has completed the uniform Engineering Course will be admitted to the Technical Coll. without examn. upon the presentation of this certif. Applicants from other institutions of higher educn. for engineers will be admitted to the jr. yr. upon the presentation of credentials showing that the equivalent of the engin. courses given at the Associated Univs. has been completed. Any person may be admitted to advanced standing in the Technical Coll. by passing such examns. as are deemed necessary by the Coll. Faculty, or by presenting such certifs. of previous records of study or experience as shall satisfy the Faculty.

GENERAL FEES. Tuition, $225 per yr.; Graduate Studies, $125; Summer Courses, $20; Survey Camp, $75; Students' Soc., $20; Caution Fee, $5.

DEGREE COURSES. B.E. Hons. (Civ., Electr., Mech., Mining, Chem., Metallurgical), B.E. (Civ., Electr., Mech., Mining, Chemical, Metallurgical), M.E.

HONORARY DEGREE. D.Eng.

SCHOLARSHIPS, ETC. Nova Scotia Govt. Scholps., 10 annually, $150 each; Prince Edward Island Scholp., 1 annually, $150; also various other scholps., bursaries and prizes.

PHYSICAL TRAINING. Gymnasium.

MILITARY TRAINING. The work of the Univ. Naval Training Division (U.N.T.D.), establd. at the Associated Univs. to train suitable young Univ. students for commissioned rank in the Royal Canadian Navy and Royal Canadian Navy Reserve, is carried on to completion at the Technical Coll. Similarly, the work of the Canadian Officers' Training Corps (C.O.T.C.), for the training of suitable young Univ. students for commissioned rank in the Canadian Active Army and the Canadian Active Army Reserve, is carried on to completion at the Technical Coll.

STUDENTS' SOCIETY. The recognized means of communication between the Fac. and the student body. It is designed to co-ordinate and control all extra-curricular student activities. Every student is a member.

PUBLICATIONS. *Calendar* (Spring); *Tech. Flash* (Yearbook); *Alumni Bulletin* (4 editions per yr.).

## THE YEAR 1951–52

RETIREMENT. Prof. E. O. T. Piers (Civil Engin.).

HONORARY DEGREES. *D.Eng.*—R. H. Winters, Minister of Resources and Development, Govt. of Canada; F. L. West, Prof. of Engin., Mt. All Univ.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 261 |
| Women | .. | .. |
| Total | .. | 261 |

Included in the above are 1 postgraduate student, 5 special students and 120 who were enrolled in the junior yr.

DEGREES. B.E. in Civ. Engin., 56 ; B.E. in Electr. Engin., 27 ; B.E. in Mech. Engin., 26 ; B.E. in Mining Engin., 3 ; B.E. in Chem. Engin., 9 ; B.E. in Metall. Engin., 1 ; B.E. in Civil Engin., with Hons., 1 ; B.E. in Electr. Engin., with Hons., 2 ; B.E. in Metall. Engin., with Hons., 1 ; M.E., 3.

DIPLOMAS. Dipl. in Arch., 1.

[*Information compiled as at* 15/6/53.

# UNIVERSITY OF OTTAWA

Founded 1848; incorporated as a University in 1866

*Postal Address*: Laurier Avenue, Ottawa, Ontario, Canada.
*Telephone*: Ottawa 5-6751.

VISITOR—The Hon. LOUIS O. BREITHAUPT, Lieut.-Governor of Ontario.

APOSTOLIC CHANCELLOR—H.E. the Most Rev. M.-J. LEMIEUX, Archbishop of Ottawa.

RECTOR—Rev. R. NORMANDIN, S.T.L. Rome, Ph.D.

VICE-RECTORS—Rev. M. BÉLANGER, B.A. Montr., Ph.L. Rome, S.T.D., Dean of Fac. of Theology; Rev. P. CORNELLIER, Ph.D., S.T.D. Rome.

SECRETARY-GENERAL—Rev. M. BEAUCHAMP, Ph.D., S.T.L.

TREASURER—Rev. I. PIGEON, B.A., J.C.B.

COUNCILLORS—Rev. A. CARON, Ph.D., S.T.D., J.C.D., Dean of Fac. of Canon Law; Rev. R. LAVIGNE, Ph.L., S.T.B., Dean of Fac. of Arts.

LIBRARIAN—Rev. A.-M. MORISSET, M.L.S. Col., B.A., J.C.L.

## TEACHING STAFF

*Accounting*

Trudeau, Rev. R., M.Com. Tor., B.A. Montr., L.Ph. Prof.
Marchand, J. - P., B.Com., M.Com.Sc. Montr. Lectr.
Latendresse, R., B.Com. Lectr.

*Anatomy*

Auer, J., M.D., D.M.Sc. Leiden Prof. and Hd. of Dept.
Menschik, Z., Ch.B., M.D. Cracow Assoc. Prof.
Bohartichuk, F., M.D., D.M.Sc. Kiev Lectr.
Coutu, J. N., M.D. Montr. Demr.
Shapiro, E., M.D. Tor. Demr.

*Architecture and Drawing*

Lefort, B., P.D.B.A. (Fine Arts) Montr. Lectr.

*Astronomy*

Hargreaves, J., F.R.A.S. Lectr.

*Auditing*

Bates, H. S. Lectr.

*Bacteriology*, v. Medicine, *infra*

*Biochemistry*

Ettori, J., M.D. Paris Prof. and Hd. of Dept.
Robertson, Florence E., M.Sc. Demr.

*Biology*

LeBel, W., B.A., M.D. McG. Prof. and Hd. of Dept.
von Bertalanffy, L., Ph.D. Vienna Res. Prof.
Legault, Rev. R., M.Sc. Wash., B.A. Assoc. Prof.
Vaillancourt, J., B.Sc. Laval Lectr.

*Business Administration*

Casselman, H., Ph.D. (Pol. Sc.) Temple, B.Com., M.A. (v. also Pers. Management and Pol. Sc.) Lectr.

*Canon Law*, v. *infra*

*Cartography*

Gajda, R., M.Sc., M.A., Ph.D. Cracow Lectr.

*Chemistry*

Professors

Renaud, Rev. E., M.Sc. Lille, B.A., L.Ph., D.Sc., F.C.I.C.

Caron, Rev. D., M.A., M.Sc., Ph.L., S.T.L.

Associate Professor

Ouellette, L., B.A., B.Sc.App., D.Sc. Laval.

Lecturers

Harbic, D., B.A., B.Sc.

Boivin, P.-A., D.Sc. Laval.

Gagné, Rev. T., Dipl.Chem. Laval, M.A., Ph.L., S.T.L.

*Civil Law*

Lecturers

Bédard, R., Q.C., LL.L. Montr., B.A., Ph.L.

Caron, G., B.C.L. McG., B.A.

Favreau, G., LL.B. Montr.

Gobeil, C. E., Q.C., B.A., Ph.L., LL.L. Laval.

Labbé, A., Q.C., LL.L., B.A., Ph.L. Laval.

Latrémouille, Rev. R., J.U.L. Rome, B.A., Ph.D., J.C.D. (v. also Canon Law).

Maranda, J. G., LL.D. Montr.

Ollivier, M., Q.C., B.A., LL.L. Laval, LL.D. Montr., F.R.S.C.

Stein, C., Q.C., B.A., Ph.L., LL.L. Laval.

Taschereau, Hon. R., Chev. Lég. d'H., B.A., LL.L. Laval, LL.D. Laval and Montr., Hon. LL.D.

*Classics: Greek*

Rakus, A., M.A., Ph.D. Bratislava (v. also Classics : Latin) Assoc. Prof.

*Classics: Latin*

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.

Lacombe, H., M.A., Ph.B. Lectr.

Gareau, Rev. E., Ph.B. Rome, L.Lit. Laval, D.U.P. Paris, B.A., Ph.L. Lectr.

*Commercial Law*

Anka, M., B.Com. Lectr.

*Economics*

Associate Professors

Forcier, Rev. G., M.A.

Brault, Rev. F., Ph.D. St. Louis, M.A., Ph.L., S.T.L.

Lecturers

Choquette, R., M.Com. Montr., B.A.

McKennirey, J., B.Com., M.A. Colgate Lectr.

Judek, S., M.A. St. And., Ph.D. Edin.

*Education*

Shevenell, Rev. R., M.A., Ph.D. (v. also Psychol.) Prof., Dir. of Inst. of Psychol.

Associate Professors

Chagnon, M., M.A., Ph.L. (v. also Psychol.).

Paplauskas-Ramunas, A., M.Litt. Kaunas, Ph.D. Vienna (v. also Psychol.).

Lalande, Mrs. Eva, M.A. Lectr.

Lavigne, R., B.A., Ph.B. Lectr.

Sidlauskaus, Agatha, Ph.D. Milan Lectr.

*Electricity*

Beauchesne, L.-A., B.A., B.Sc. Laval (v. also Mechanics and Maths.) Prof.

*English Lang. and Lit.*

Bradley, Rev. F., M.A., Ph.D. (v. also Hist.) Prof.
O'Grady, E., B.A., Ph.D. (v. also Public Speaking) Prof.
Farrell, J. K., M.A. W. Ont. Lectr.
McGuinty, D. J., B.Com., M.A. Colgate Lectr.
Piché, P., B.A. Lectr.

*French*

Marion, S., D.Litt. Paris and Montr., M.A., F.R.S.C. Prof.

Associate Professors

Julien, Rev. B., Ph.L. Rome, L.Lett. Paris, B.A., S.T.L.
Tremblay, Rev. A., B.A. Laval, S.T.B.
Hamel, Rev. C., B.A., Ph.L., S.T.B.

Lecturers

Beaudet, A., B.A.
Brunet, M., M.A.
de Chantal, R., L.Lett. Paris, B.A.
Poliquin, J.-M., B.A., Ph.L., S.T.B. (v. also Classics: Latin; and Spanish).

*Geography*

Jost, T., M.Ph. Cracow (v. also Geol.) Lectr.

*Geology*

Lecturers

Jost, T., M.Ph. Cracow (v. also Geog.).
Tremblay, L. P., B.A., M.Sc. Laval, Ph.D. Tor.
Sanchagrin, Rev. R., B.A.L.Sc. Laval, M.A. Br. Col.

*German*

Freed, P., B.Com. Lectr.

*Graduate Studies, School of*

Trudel, Rev. R., Dipl.Ph., Dipl. Psychol. Paris, B.A., Ph.D., S.T.L., J.C.L. (v. also Philos.) Chairman.

*Greek*, v. Classics, *supra*

*Histology and Embryology*

Bélanger, L. F., B.A., M.D. Montr., M.A., M.Sc. Harv. Prof. and Hd. of Dept.

*History*

Professors

Thivierge, Rev. E., M.A., Ph.L., S.T.B. Vice-Dean, Fac. of Arts.
Bradley, Rev. F., M.A., Ph.D. (v. also English Lang. and Lit.).
Buxton, G., M.A. Manit, D.Lett. Paris.

Associate Professors

Brault, L., M.A., Ph D.
Corriveau, Rev. P., L.Lett. Paris, B.A. Laval, S.T.B.

*Italian*

Royal, Rev. E., M A Laval, Ph.L., S.T.D. Rome Prof.

*Journalism*

Saint-Arnaud, B. A. 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.).
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 Professor

Vachon, L., B.A., M.Com. Montr.

Lecturers

Beauchesne, L.-A., B.A., B.Sc. Laval (v. also Electr. and Mechanics).

Lavallée, J., B.A., M.Sc. (Math.) Montr.

Biberstein, O., L. ès Sc. Stras.

Hébert, G., B.Sc. (v. also Phys.).

Allard, J. L., B.A., Ph.L.

Duprat, J. T., B.A., M.Sc. (Math.) Laval.

Vincent, R., B.A., B.Sc., Ph.L. Montr.

*Mechanics*

Lecturers

Beauchesne, L.-A., B.A., B.Sc. Laval (v. also Maths. and Electricity).

Carrier, L. M., B.A , B.Sc.A Montr.

Lefaivre, J., B.A., B.Sc. (Phys.) Laval.

*Medicine*, v. *infra*

*Missiology, Institute of*

Champagne, Rev. J. E., Miss.D. Rome, M.A., Ph.L., S.T.B. Prof. and Dir. of Inst.

*Music, School of*

Martel, Rev. J., B.A., J.C.B. Dir. of School.

*Nursing, School of*

Gendron, Rev. R., M.A., S.T.L. Dir. of Sch.

*Personnel Management*

Casselman, H., Ph.D. (Pol. Sc.) Temple, B.Com., M.A. (v. also Business Admin. and Pol. Sc.) Lectr.

*Philosophy*

Professors

Gendron, Rev. J., B.A., Ph.D., S.T.L. (v. also Religion).

Dufour, Rev. P., Ph.D. Chic., M.A., S.T.B. (v. also Pol. Sc.) Prof.

Associate Professors

Perron, Rev. L., B.A. (v. also Religion).

Simon, Rev. L.-M. (v. also Religion).

*Physical Education, Institute of*

Montpetit, Rev. M., B.A. Dir. of Inst. and Prof.

Lecturers

Bedecki, T., M.Ph. Educn. Springfield.

Roy, R., B.A., Ph.B., B.A. (Ph. Educn.).

Dion, R., M.A. (Ph. Educn.) N.Y., 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 Prof.

Lavigne, Rev. R., B.A., L.Ph., S.T.B. (v. also Maths.) Prof. and Dean of Fac. of Arts.

Cloutier, R., B.A.Sc. Laval Lectr.

Hébert, G., B.Sc. (v. also Maths.) Lectr.

Hébert, J., B.A., Ph.D. (Physics) Montr.

*Physiology*, v. also Medicine, *infra*

Marcotte, Rev. F.-X., Ph.D., S.T.D. Rome (v. also Religion) Prof.

*Polish Lang. and Lit.*, v. Slavic Studies Centre, *infra*

*Political Science, School of*

Bélanger, Rev. J.-M., B.A., Ph.L., S.T.L. Prof. and Asst. Dir. of Sch.

Dufour, Rev. P., Ph.D. Chic., M.A., S.T.B. (v. also Philos.) Prof.

Lecturers

Casselman, H., Ph.D. (Pol. Sc.) Temple, B.Com., M.A. (v. also Personnel Management and Bus. Admin.).

Rodys, W., LL.D. Berl., Ph.D., Pol.Sc.D.

Ollivier, M., Q.C., B.A., LL.L. Laval, LL.D. Montr., F.R.S.C.

Forcier, Rev. G., M.A. (v. Econ., *supra*).

Pépin, J. L., Dipl.Pol.Sc. Paris, B.A., Ph.L.

Czako, S. A., M.Com., LL.D.

Brault, Rev. F., Ph.D. (Ec.) St. Louis, M.A., Ph.L., S.T.L. (v. Econ., *supra*).

*Psychology*, v. also Medicine, *infra*

Shevenell, Rev. R., M.A., Ph.D. (v. also Educn.) Prof. and Dir. of Inst. of Psychol.

Associate Professors

Chagnon, M., M.A., Ph.L. (v. also Educn.).

Szyrynski, V., M.D. Warsaw, Ph.D. Lond. (v. also Psychiat., *infra*).

Paplauskas-Ramunas, A., M.Litt. Kaunas, Ph.D. Vienna (v. also Educn.).

Lecturers

Joly, J.-M., M.A.

Vaillancourt, R., B.A., B.Sc., B.Ed.

Chagnon, G., B.A., Ph.B.

*Psycho-Physiology*

Côté, F., M.D., M.S. Tor., B.A., Ph.L., F.R.C.S. (v. also Surg., *infra*) Prof.

Gratton, Rev. H., M.A., Ph.D., S.T.L. Lectr.

*Public Administration*

Lecturers

Lefebvre, O., B.A.

Morisset, G., LL.L. Montr., M.A., Ph.L.

*Public Speaking*

O'Grady, E., B.A., Ph.D. (v. also English Lang. and Lit.) Prof.

*Religion*

Professors

Marcotte, Rev. F.-X., Ph.D., S.T.D. Rome (v. also Physiol.).

Gendron, Rev. J., B.A., Ph.D., S.T.L. (v. also Philos.).

Associate Professors

Perron, Rev. L., B.A. (v. also Philos.).

Simon, Rev. L.-M. (v. also Philos.).

*Russian*, v. Slavic Studies Centre, *infra*

*Slavic Studies Centre*, v. *infra*

*Social Work*

Bowers, Rev. S., M.Sc. Col., B.A. Prof. and Dir. of School (St. Patrick Coll.).

*Sociology*

Forcier, Rev. G., M.A. Assoc. Prof.

Beaupré, L., M.S.Sc. Montr., B.A. Lectr.

*Spanish*

Lecturers

Lozano, L., M.A. Málaga.

Poliquin, J.-M., B.A., Ph.L., S.T.B. (v. also Latin and French).

*Statics*

Cloutier, Rev. G., B.A., Ph.D., S.T.L. Prof.

*Surveying*

Lecturers

Grégoire, J., B.A., B.Sc. Laval (v. also Mapping).

Savard, Rev. M., I.F. Laval, B.A.

*Theology*, v. *infra*

*Translation*

Daviault, P., F.R.C.S. Lectr.
Mayer, J. H. Lectr.

*Workshop*

Lecturers
Gribbon, C.
Goyette, A.
Lafond, J. E.

**Medicine**

(for subjects of first two years—Anat., etc., v. *supra*)

*Anæsthesia*

Lecturers
Bonfield, J. P., M.D. McG.
Law, D., M.D., C.M. Qu.
Sauvé, N., M.D. Montr.

*Anatomy*, v. *supra*

*Bacteriology*

Gibbons, R. J., M.A., M.D., D.P.H. Tor. Prof.
Bobra, S. T., M.D. Lwow Lectr.

*Biochemistry*, v. *supra*

*Dermatology*

Kingma, H., M.D. Groningen Lectr.

*Ethics*

Lecturers
Loranger, Rev. R.
Simon, Rev. L.-M. (v. also Philos. and Religion).
Chaput, Rev. R., Ph.L., S.T.L., J.C.D.

*Gynæcology*, v. Obstetrics and Gynæcology, *infra*

*Medical Jurisprudence*

Lecturers
Klotz, M. O., M.D. Tor.
Mercier, R., Q.C.

*Medicine*

Fidler, A., M.D. Warsaw Prof. and Hd. of Dept.

Lecturers
Bédard, O., B.A., M.D. Laval.
Church, H. B., M.D., C.M. McG.
Fortier, B., M.D. Montr., B.A.
Gagné, R., M.D. Montr., B.A.
Law, W. B., M.D., C.M. Qu.
Moran, T. J., M.D. Qu.
Powers, A., M.D. Laval, B.A.
Roussel, L., M.D. Montr., B.A.
Tittley, J. R., B.L., M.D. Montr.
Tremblay, N., B.A., M.D. Laval.
Layton, B., B.A., M.D. Tor., M.P.H. Harv.
Smiley, R. K., B.A. Sask., M.D. Qu., F.R.C.P.Can.

Clinical Assistants
Beairsto, A. W., M.D. Tor.
Julien, Lucille, M.D. Montr., B.A.
Maziec, K., M.B., Ch.B. Edin.

*Medicine, History of*

Young, C., M.D., C.M. McG., F.A.C.S. Prof.
Mantha, L., M.D. Montr. Lectr.

*Obstetrics and Gynæcology*

Richard, A. L., B.A. St. Anne N.S., M.D. Laval 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.
Nuyens, A. J., M.D., M.Sc. Utrecht Teaching Fellow.

*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.
Corriveau, A. R., B.A., M.D. Laval Lectr.
Laframboise, G., M.D. Montr. Lectr.

*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.
de Bellefeuille, P., M.D. Montr., B.A.
Moritz, D., M.D. Budapest Teaching Fellow.

*Parasitology*

Cameron, T. W. M., T.D., M.A., D.Sc. Edin., Ph.D. Lond., F.R.S.C. Visiting Prof.

*Pathology*

Magner, D., B.Sc., M.D. Tor. Prof.
Campbell, G. S., B.Sc., M.D. Dal. Asst. Prof.

Fellows in Pathology

Burke, P., M.D.
Kussner, N., M.D.
Scappatura, A., M.D.
Tremblay, P. E., B.A , M.D. Laval.

*Pharmacology*

Murnaghan, M., M.B., M.S. N.U.I. Prof.

*Physiology*, v. also *supra*

Beznak, A. B. L., M.D. Debrecen Prof.
Crevier, M., M.Sc. Montr. Asst. Prof.

*Psychiatry*

Stern, K., M.D. Frankfurt Prof.
Voyer, V., M.D. Laval Asst. Prof.
Lugsdin, G. N., B.A., M.D. Tor. Lectr.
Cathcart, J. P. S., M.B. Tor. Lectr.

*Psychology*

Shevenell, Rev. R., M.A., Ph.D. (v. also Educn.) Prof. and Dir. of Inst. of Psychol.

Associate Professor

Chagnon, M., B.A., L.Ph. (v. also Educn.).

*Radiology*

Mooney, B. R., M.D. W. Ont. Lectr.
Matzinger, K. E., M.D. Bratislava Clin. Asst.

*Surgery*

Valin, E., M.D., C.M. McG. Prof. and Hd. of Dept.
Ewing, J. B., M.D., C.M. Qu., F.R.C.S. Eng. and Can. Prof. of Clin. Surg.
Curran, D. D. G., M.D. Dub., F.R.C.S.Ed.
Peterson, E. W., B.Sc., M.D McG.

Lecturers

Bélanger, P. B., M.D., C.M. McG.
Bonfield, J. P., M.D. McG.
Côté, F., M.D., M.S. Tor., B.A., Ph.L., F.R.C.S. (v. also Psycho-Physiol.).
Donovan, P. F., M.B., M.Ch., B.A.O. N.U.I., F.R.C.S.I.
Larocque, A., B.A., M.D. Montr.
Lecours, A., B.A., M.D. Laval.
Rossignol, J. C., B.A., M.D. Montr.
Irwin, G. E., B.A. Tor., M.D. Laval.

Clinical Assistants

Terrien, J., M.D. Laval, B.A.
Brunet, E., M.D. Montr.

*Urology*

Gaulin, E., M.D. Montr. Prof.

**Canon Law**

Caron, Rev. A., S.T.D., J.C.D., Ph.D. Prof. and Dean of Fac.
Chaput, Rev. R., Ph.L., S.T.L., J.C.D. Prof. and Sec. of Fac.
Latrémouille, Rev. R., J.U.L. Rome, B.A., Ph.D., J.C.D. Prof. and Vice-Dean of Fac.

Associate Professors

Lafontaine, Rev. P. H., B.A., S.T.L., J.C.D.

Lesage, Rev. G., M.A., Ph.D., J.C.D., D.S.Sc., D.Litt., S.T.L.

Vézina, L. P., B.A., Ph.L., S.T.L., J.C.L.

Lecturers

Beahen, H. P., B.A.

Ollivier, M., Q.C., B.A., LL.L. Laval, LL.D. Montr., F.R.S.C.

### Philosophy

Professors

Trudel, Rev. R., Dipl.Ph., Dipl. Psychol. Paris, B.A., Ph.D., S.T.L., J.C.B.
Prof., Dean of Fac. and Chairman of School of Grad. Studies.

Ducharme, Rev. S., B.A., Ph.D., S.T.B.
Prof. and Vice-Dean of Fac.

Carrière, Rev. G., S.T.L. Rome, B.A., Ph.D.
Prof. and Sec. of Fac.

Ostiguv, Rev. R., S.T.L. Rome, B.A., Ph.D.

Saint-Denis, Rev. H., Ph.D., S.T.D. Rome, B.Pæd. Tor., B.A.

Associate Professors

Allard, J. L., B.A., Ph.L.

Bélanger, J.-M., B.A., Ph.L., S.T.L.

Croteau, Rev. J., M.A., Ph.D., S.T.L.

Ducharme, L., Ph.D. Louvain, B.A., S.T.L.

Forcier, Rev. G., M.A.

Gagnon, Rev. G., B.A., Ph.L.

Gratton, Rev. H., M.A., Ph.D., S.T.L.

Joly, J.-M., M.A.

Patry, Rev. M., S.T.L., Ph.D.

Pépin, J. L., Dipl.Pol.Sc. Paris, B.A., Ph.L.

Stroick, Rev. C., S.T.D. Bonn.

### Theology

Professors

Bélanger, Rev. M., B.A. Montr., Ph.L. Rome, S.T.D.
Prof. and Dean of Fac.

Caron, Rev. V., S.T.D., Ph.D. Rome
Prof. and Vice-Dean of Fac.

Gervais, Rev. J., Ph.L. Rome, S.T.D.
Prof. and Sec. of Fac.

Allie, Rev. J. L., Ph.L., S.T.D., B.A.

Associate Professors

Boutin, L. N., B.A., Ph.L., S.T.D.

Champagne, Rev. J., Miss.D. Rome, M.A., Ph.L., S.T.B.

Dozois, Rev. L., L.S.S. Rome, Ph.L., S.T.D.

Gilbert, Rev. M., Ph.L. Rome, B.A., S.T.D.

Jetté, Rev. F., M.A., Ph.L., S.T.D.

Joppolo, Rev. A., S.T.L., Ph.D. Rome.

Marcotte, Rev. E., M.A., Ph.L., S.T.D.

Pagano, Rev. S., S.T.L., L.S.S., Ph.D. Rome.

Lecturers

Bellemare, Rev. R., B.A., Ph.L., S.T.L.

Chaput, Rev. R., Ph.L., S.T.L., J.C.D.

Drouin, Rev. P. E., B.A., Ph.L., S.T.L.

Giroux, Rev. M., S.T.L. Rome, M.A., Ph.L.

Guindon, Rev. R., B.A., Ph.L., S.T.L.

Hudon, Rev. G., Ph.L., S.T.L.

Laurin, Rev. R., Ph.L., S.T.L Rome, D.Hist. Louvain, M.A., L.Pol.Sc.

Lesage, Rev. G., M.A., Ph.D., J.C D., D.S.Sc., D.Litt.,S.T.L.

**Slavic Studies Centre**

Lavigne, Rev. R., B.A., Ph.L , S.T.B.
Dir. (v. also Maths. and Physics).
Bida, C., Ph.D. Vienna. Prof.
Wanczycki, J. K., M.Litt. Lwow, Dipl.Pol.Sc. Paris, Ph.D.
Lectr. and Sec.

Lecturers

Jost, T., M.Ph. Cracow.
Kaye, V. J., M.A., Ph.D. Vienna.
Paplauskas-Ramunas, A., M.Litt. Kaunas, Ph.D. Vienna.
Wyczynski, P., L.Litt. Lille.
Paplauskas-Ramunas, Mrs. Maria, M.A. Kaunas, Ph.D.

**High School** (within the Univ.)

Lemieux, Rev. R., M.A., L.Soc.Sc. Principal.

**Normal School** (within the Univ.)

Lamoureux, Rev. R., B.A., S.T.B., Ph.D. Principal.

## ADMINISTRATIVE AND OTHER STAFF

Rector of the University Seminary : Rev. J. C. Laframboise ; Students' Chaplain : Rev. E. Thirierge ; Dir. of Athletics : D. Harbic ; Dir. of Univ. of Ottawa Press : Rev. L. Lanctôt ; Dir. of the *Revue de l'Université d'Ottawa* : Rev. M. Bélanger ; Moderator of the Students' Federation : ..... ; Dir. of the Catholic Centre : Rev. A. Guay ; Dir. of the Social Centre : Rev. A. Toupin ; Archivist : Rev. J. Gravel ; Univ. Physician : P. Bélanger, M.D., C.M. McG.

## AFFILIATED INSTITUTIONS *

BRUYÈRE COLLEGE, 200 Rideau St., Ottawa, Ont. (*Telephone* : Ottawa 5-7246.) Directress—Rev. Sr. Marguerite d'Youville. Women only.

CATHOLIC COLLEGE OF GRAVELBOURG, Gravelbourg, Sask. (*Telephone* : Gravelbourg 95.) Rector—Rev. I. Tourigny. Men only.

NOTRE-DAME COLLEGE, 172 Elgin St., Ottawa, Ont. (*Telephone* : Ottawa 4-2876.) Directress—Rev. Sr. St. George-Marie. Women only.

NOTRE-DAME COLLEGE, Wilcox, Sask. (*Telephone* : Wilcox 24.) Director—Rev. Athol Murray. Co-educational.

SACRED HEART SCHOLASTICATE, Lebret, Sask. (*Telephone* : Fort Qu'Appelle 23, 47.) Director—Rev. G. Nogues. Men only.

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ST. JOHN'S COLLEGE, 8406 91st St., Edmonton, Alta. Director—Rev. F. Thibault. Men only.

ST. THOMAS COLLEGE, Battleford, Sask. (*Telephones* : North Battleford 2212 ; Battleford 23.) Director—Rev. G. Kuckartz. Men only.

THE SEMINARY, 71 Rideau Terrace, Ottawa, Ont. (*Telephone* : Ottawa 6-1971.) Superior—Mgr. A. Chaloux. Men only.

* For B.A. only.

## GENERAL INFORMATION

The "College of Bytown," incorporated in 1849, changed its name in 1861 to "College of Ottawa," and became in 1866 the Univ. of Ottawa with power to grant degrees. By a papal brief dated Feb. 5, 1889, it was accorded the status of a Catholic University. The Univ. is conducted by the Oblate Fathers of Mary Immaculate. Special aim: to provide students of English or French descent with a thorough bilingual education.

LANGUAGES OF INSTRUCTION. Bilingual: French and English.

EQUIPMENT. LIBRARIES: 200,000 vols. The Parliament Library to which the students have access has 525,000 vols. MUSEUMS: access to the Geol. Survey Dept. Museum; the Dominion Observatory and Canadian Fisheries Museum are located in Ottawa. LABORATORIES: Anat., Bact., Chem., Phys., Physiol., Biochem., Psychol.

FACULTIES AND DEANS. *Arts and Science*—Rev. R. Lavigne; *Medicine*—Dr. A. L. Richard; *Theology*—Rev. M. Bélanger; *Canon Law*—Rev. A. Caron; *Philosophy*—Rev. R. Trudel.

SCHOOLS AND DIRECTORS. *Applied Science*—Dr. L. Cloutier; *Music and Elocution*—Rev. J. Martel; *Nursing*—Rev. R. Gendron; *Political Science*—Rev. J.-M. Bélanger; *Library*—Rev. A.-M. Morisset; *Normal*—Principal: Rev. R. Lamoureux; *High School*—Principal: Rev. R. Lemieux.

INSTITUTES AND DIRECTORS. *Missiology*—Rev. J. E. Champagne; *Psychology*—Rev. R. Shevenell; *Physical Education*—Rev. M. Montpetit; *Slavic Studies Centre*—Rev. R. Lavigne.

GEOGRAPHICAL LOCATION. Theol., Philos. and Canon Law: 249 Main St.; Arts: 112 Waller St.; Science and Applied Science: 700 King Edward St.; Med.: 275 Nicholas St.; Civil Law: 125 Wilbrod St.; Music and Elocution: 233 Nicholas St.; Nursing Sch.: 30 Stewart St.; Catholic Centre: 1 Stewart St.

ENTRANCE REQUIREMENTS. Junior matriculation, Ontario Grade XII or the equivalent. *See also* Appendix I.

DEGREE COURSES. *Theology*—S.T.B. (2 yrs.), S.T.L. (4 yrs.), S.T.D. (5 yrs.), D.Miss. (3 yrs.). *Canon Law*—J.C.B. (1 yr.), J.C.L. (2 yrs.), J.C.D. (3 yrs.). *Philosophy*—Ph.B. and B.A. (2 yrs.), Ph.L. and M.A. (3 yrs.), Ph.D. (4 yrs.). *Law*—LL.B. and LL.L. (3 yrs.), LL.D. (honorary only). *Medicine*—M.D. (6 yrs.). *Arts*—B.A. (4 or 5 yrs.), B.Sc. (4 yrs.), B.Com. (4 yrs.), M.A., Ph.D., D.Lit. *Social and Political Science*—B.A. (4 yrs.), B.Pol.Sc. (5 yrs.), M.A. (Pol. Sc.), Ph.D. (Pol. Sc.). *Nursing*—B.N. Sc. (5 yrs.). *Library Science*—B.L.S., M.L.S. *Psychology*—B.A. (4 yrs.), B.Ed. (4 yrs.), B.Psych. (5 yrs.). *Physical Education*—B.A. (4 yrs.), B.Sc. (4 yrs.).

DIPLOMAS. Graduate studies, School of Applied Science or Engin. (2 yrs.), School of Nursing (3 yrs.), School of Library Science, School of Music.

CERTIFICATES. Gregorian Chant, Music, Elocution, Library Science, Applied Science, Political Science, Nursing (Public Health).

SUMMER COURSES in Arts and Science, Philos., Psychol., Theol. and Canon Law, Church Music, Phys. Ed., Grad. studies.

CORRESPONDENCE COURSES in Arts only.

FEES. (For tuition only.) Theol., Canon Law and Philos., $150 p.a. Med.: 1st yr., $320; other yrs., $375. Schl. of Grad. Studies, $10 to $15 per semester hour. Fac. of Arts; Arts and Educn., $160 to $210 p.a.; Sci. and

Comm., $185 to $250; Phys. Educn., $250 to $350. Engin.: pre-engin., $180; 1st yr., $290; 2nd yr., $310. Pol. Scis., $175. Schl. of Nursing: degree course, $175 to $200. Summer courses in Arts, $35 per subject. Evening courses in Arts, $35 to $45 per subject. Correspondence courses $20 per subject. Graduate courses, $10 to $15 per credit.

RESIDENCE (for men). Accomm. for 275 in main building (fees: $400 p.a.; *Telephone*: 3-0471); University Seminary (249 Main St.), 140 (fees: $500 p.a.; *Telephone*: 3-8493); 700 King Edward St., 100 (fees: $450 p.a.; *Telephone*: 5-0151).

MILITARY TRAINING. Univ. Contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve) and Canadian Air Force (Reserve).

PUBLICATIONS. *Revue de l'Université d'Ottawa* (quarterly, $3); *Calendars* of the different Faculties, Schools and Institutes; *Publications sériées* (4( vols. already published); University of Ottawa Normal School *Yearbook*; *Examination Papers* in Arts (50 cts. for each set); *The Fulcrum* and *L Rotonde* by students.

## THE YEAR 1951–52

BENEFACTIONS. Prov. Govt. of Ontario, $400,000; others, $17,000.

OTHER DEVELOPMENTS. Construction of the Medical School Building under way.

EXTRA-MURAL WORK. 788 students.

HONORARY DEGREES. *LL.D.*—Rev. L. J. Bondy, Sup. Assumption Coll., Windsor; Hon. L. Cécile, Ontario Prov. Minister of Travel and Publicity, Tor.; Hon. P. Martin, Minister of National Health and Welfare, Ott.; Mgr. A. M. Parent, Vice-Rector of Laval Univ., Que.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1074 | 2008 |
| Women | 1034 | 345 |
| Total | 2108 | 2353 |

Postgraduate students, 386.
New admissions, 290.
Students from other countries: U.S.A., 186; others, 28.

DEGREES. B.A., 236; B.Ed., 4; B.A. (Psych.), 2; B.A. (Fr.-Lat.), 2; B.A. (Phil.), 11; B.Com., 16; B.Sc., 22; Ph.B., 63; S.T.B., 26; J.C.B., 1; B.L.Sc., 1; B.Sc.N., 2; M.A., 19; M.Ph., 4; Ph.L., 12; S.T.L., 13; J.C.L., 3; Ph.D., 18; D.Pol.Sc., 2; J.C.D., 1; S.T.D., 2; M.D., 46.

DIPLOMAS AND CERTIFICATES. Music, 1; Appl. Sci., 15; Nursing (Pub. Health), 14; Missiol., 1.

[*Information compiled as at* 5/6/53.]

# QUEEN'S UNIVERSITY*

Founded 1841

*Postal Address*: Kingston, Ontario, Canada.
*Telephone* (General information): Kingston, Ont., 3733.

CHANCELLOR—The Hon. C. A. DUNNING, LL.D. Montr., McG., Qu. and Sask.

CHAIRMAN OF THE BOARD OF TRUSTEES—J. M. MACDONNELL, M.C., Q.C., M.A., LL.D., M.P.

VICE-CHANCELLOR AND PRINCIPAL—W. A. MACKINTOSH, C.M.G., Ph.D. Harv., LL.D. Manit., M.A., F.R.S.C.

RECTOR—L. W. BROCKINGTON, C.M.G., Q.C., B.A. Wales, D.C.L. Bishop's, LL.D. Syracuse, Alta., W. Ont. and Qu.

VICE-PRINCIPAL—J. A. CORRY, LL.D. Sask., B.C.L. Oxon., F.R.S.C.

DEANS—*Arts*—R. O. EARL, S.M., Ph.D. Chic., B.A.; *Applied Science*—D. S. ELLIS, D.S.O., V.D., M.C.E. Corn., B.Sc., M.A.; *Medicine*—G. H. ETTINGER, M.B.E., B.A., M.D., C.M., F.R.S.C.; *Women*—A. VIBERT DOUGLAS, M.B.E., M.Sc., Ph.D. McG., F.R.A.S.

REGISTRAR—JEAN I. ROYCE, B.A.

LIBRARIAN—H. P. GUNDY, M.A. Tor.

TREASURER—M. C. TILLOTSON, M.B.E., M.B.A. Harv., B.Com.

## TEACHING STAFF

*Art*

Biéler, A. (on leave) Prof.
Swinton, G., B.A. McG. Asst. Prof.
1 Asst.

*Bacteriology*, v. *infra*, Medicine

*Biochemistry*, v. *infra*, Medicine

*Biology*

Earl, R. O., S.M., Ph.D. Chic., B.A. John Roberts Allan Prof.
Krotkov, G., B.S.A. Prague, M.A., Ph.D. Tor., F.R.S.C. Prof.
West, A. S., B.Sc. Mass. State, Ph.D. Yale Prof.
Curran, H. W., B.S. Hobart Coll., M.A., Ph.D. Mich. Prof.
Good, H. M., B.A., Ph.D. Tor. Asst. Prof.
Bendell, J. F. S., B.A. Tor. Lectr.
Vallentyne, J. R. W., B.A. Lectr.
16 Tutors.

*Chemical Engineering*

Plewes, A. C., Ph.D. McG., M.Sc., F.C.I.C. Prof.
Butler, R. M., B.Sc., Ph.D. Lond. Asst. Prof.
2 Demrs.

*Chemistry*

Professors

McRae, J. A., Ph.D., D.Sc. Manc., M.A., F.R.I.C., F.R.S.C.
Frost, G. B., B.A. Tor., Ph.D. Calif.

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

Munro, L. A., M.A. Dal., Ph.D. McG., F.R.S.C., F.C.I.C.

Associate Professors

Dorrance, R. L., M.A. Tor.
Smith, W. M., B.Sc. New Br., Ph.D. McG. and Camb.
Moir, R. Y., Ph.D. McG., M.A.
Jones, R. A., M.Sc. W. Ont., Ph.D. McG. Instr.
2 Fellows, 14 Tutors.

*Civil Engineering*

Professors

Ellis, D. S., D.S.O., V.D., M.C.E. Corn., B.Sc., M.A.
Lash, S. D., M.Sc. Lond., Ph.D. Birm., D.I.C.

Associate Professors

Brooks, J. W., M.A.Sc. Tor., B.Sc.
Lee, J. D., M.S. Iowa, B.Sc.
Martin, O., D.Eng. Danzig.

Assistant Professors

Kennedy, R. J., M.S. Iowa State, B.Sc.
Dauphin, E. L., M.S. Ill., B.Sc.

Lecturers

Edwards, H. M., B.Sc.
Sharp, J. A., B.Sc.
3 Demrs.

*Classics*

Tracy, H. L., B.A. Tor., Ph.D. Chic. Prof.
Smethurst, S. E., M.A. Camb. Prof.
Macdonnell, Mary L., M.A. Asst. Prof.
2 Tutors.

*Commerce and Business Administration*

Smails, R. G. H., B.Sc. (Econ.) Lond. Dir. and Prof.
McDougall, J. L., M.A. Tor. Prof.
Leonard, W. G. Prof.
Macpherson, L. G., B.A. McM. Assoc. Prof.
Smyth, J. E., M.Com. Tor. Assoc. Prof.
Hand, R. J., B.Com. Manit., M.B.A. Chic. Asst. Prof.
1 Tutor.

*Drafting*

Professors

Jackson, A., B.Sc.
Styles, H. J., M.S. Mich., B.Sc.

Special Instructors

Bews, D. W., B.Sc.
Cliff, G. S., B.Sc.
Dougherty, J. W., B.Sc.

*Drama*

Angus, W., A.M., Ph.D. Corn. Assoc. Prof.
1 Asst.

*Economics*, v. Polit. and Econ. Sc.

*Electrical Engineering*

Professors

Jemmett, D. M., D.C.M., M.A., B.Sc.
Stewart, H. H., M.S. Mich., B.Sc.
Pollock, H. S., M.Sc.
Doherty, R. A., B.Sc. Special Instr.
3 Demrs.

*English*

Professors

Alexander, H., M.A. Liv., F.R.S.C.
Vincent, C. J., B.A. W. Ont., A.M., Ph.D. Harv.
Ross, M. M., B.A. New Br., M.A. Tor., Ph.D. Corn.

Associate Professors

Walker, E. A., M.A. Camb.
Whalley, A. G. C., M.A. Oxon. and Bishop's, Ph.D. Lond.
Edinborough, A., M.C., M.A. Camb. Asst. Prof.
Cole, D., M.A. Br. Col. Instr.
2 Assts., 12 Tutors.

*French*

Evans, W. H., B.A., D. de l'U. Paris Prof.

Shortliffe, G., M.A. Alta., Ph.D. Corn. Assoc. Prof.
Fauconnier, R. L., L. ès L. Rennes, Ag. de l'U. Assoc. Prof.
Ogier, J., L. ès L. Poitiers Lectr.
McConnell, Mme Jeanne M., Brevet Supérieur, Cert. d'Aptitude Péd. Paris Instr.
2 Tutors.

*Geological Sciences*

Hawley, J. E., Ph.D. Wis., M.A., F.R.S.C., F.G.S.A. Miller Memorial Research Prof.
Ambrose, J. W., A.B. Stanford, Ph. D. Yale, F. R. S. C., F.G.S.A. Prof.
Rose, B., Ph.D. Yale, B.Sc., F.R.S.C., F.G.S.A. Prof.
Jolliffe, A. W., Ph.D. Prin., M.A., F.R.S.C., F.G.S.A. Prof.
Berry, L. G., M.A., Ph.D. Tor., F.R.S.C., F.G.S.A. Assoc. Prof.
Usher, J. L., B.A. Sask., M.Sc., Ph.D. McG. Asst. Prof.
Fitzpatrick, M. M., M.A. Tor. Asst. Prof.
16 Tutors.

*German*

Laird, Hilda C., Ph.D. Corn., B.L.S. Pratt, B.A. Prof.
Eichner, H., B.A., Ph.D. Lond. Asst. Prof.
3 Tutors.

*Hebrew*, v. Semitic Langs.

*History*

Harrison, W. E. C., O.B.E., M.A. Lond. Prof.
Lower, A. R. M., M.A. Tor., Ph.D. Harv., F.R.S.C. Douglas Prof.
Smith, Rev. W. E. L., M.C., M.A. Tor., Ph.D. Edin. Assoc. Prof.
Gibson, F. W., M.A. Assoc. Prof.
Seed, G., B.A. Durh., M.A. Mich., Ph.D. St. And. Asst. Prof.
2 Fellows, 2 Tutors.

*Italian*, v. Spanish and Italian

*Mathematics*

Jeffery, R. L., B.A., D.Sc. Acad., M.A., Ph.D. Corn., F.R.S.C. Dupuis Prof.
Miller, N., Ph.D. Harv., M.A. Prof.
Wood, F. M., M.A., B.Sc. Prof.
Douglas, A. Vibert, M.B.E., M.Sc., Ph.D. McG., F.R.A.S. (Astronomy) Actg. Prof.
Edgett, G. L., M.A. Mt. All., Ph.D. Ill. Assoc. Prof.
Halperin, I., M.A. Tor., Ph.D. Prin. Assoc. Prof.
Ellis, H. W., M.Sc. Acad., M.A., Ph.D. Tor. Asst. Prof.
Wertheim, D. G., B.A. McM., M.A. Tor. Instr.
9 Tutors.

*Mechanical Engineering*

Professors

Conn, H. G., O.B.E., M.S. Mich., B.Sc.
Campbell, J. S., M.Sc.

Associate Professors

Gilbert, W. D., S.M. M.I.T., B.Sc.
Rice, W. B., B.Sc. Sir G. Wms., B.Eng. McG.
3 Demrs. ●

*Medicine*, v. *infra*

*Metallurgy*

Lord, T. V., B.Sc. Prof.
Carson, O. A., A.M., Ph.D. Col., B.Sc. Prof.

*Mining Engineering*

Corlett, A. V., B.Sc. Algoma Ore Properties Prof.
Jewett, G. A., B.Sc. Asst. Prof.
1 Asst.

*Music*

George, G., Mus.Doc. Tor. Assoc. Prof.

*Nursing*

Weir, Jenny, B.Sc. Alta., M.A. Col. (Pub. Health) Director and Assoc. Prof.

Instructors

Wilson, G. E., M.D. Tor. (Mental Hyg.).

Moulton, Evelyn, B.N.Sc.

*Philosophy*

Duncan, A. R. C., M.A. Edin. John and Ella G. Charlton Prof.

Estall, H. M., M.A. McG., Ph.D. Corn. Assoc. Prof.

Carter, W. B., M.A. Tor. Instr.

4 Tutors.

*Physical and Health Education*

Bartlett, F. L., B.A. Tor. Director.

Edwards, J. F., M.A. (P.E.) Mich., B.A. Assoc. Prof.

Ross, S. Marion, M.A. Col., B.A. Asst. Prof.

Lenard, A. L., B.A., B.P.H.E. Lectr.

Leggett, Dorothy, B.S. McG., M.Sc. Wis. Lectr.

2 Assts.

*Physics*

Professors

Sargent, B. W., M.B.E., Ph.D. Camb., M.A., F.R.S.C.

Watson, E. E., M.Sc. McG., Ph.D. Camb.

Harkness, H. W., M.Sc., Ph.D. McG., B.Sc., B.A.

Cave, H. M., Ph.D. Camb., M.A.

Roberts, D. T., B.Sc. Brist., Ph.D. Birm. Assoc. Prof.

Assistant Professors

Martin, W. M., Ph.D. McG., B.Sc.

Trainor, L. E. H., M.A. Sask., Ph.D. Minn.

Love, H. M., Ph.D. Belf., B.Sc.

Allen, J. R., M.A. Lectr.

7 Tutors.

*Physiology*, v. *infra*, Medicine

*Political and Econ. Science*

Knox, F. A., B.A., F.R.S.C. Prof.

Curtis, C. A., B.A. Tor., Ph.D. Chic., F.R.S.C. Sir John A. Macdonald Prof.

Corry, J. A., LL.D. Sask., B.C.L. Oxon., F.R.S.C. Hardy Prof.

Cameron, J. C., M.Com. Head, Industrial Relations Section, and Prof.

Crawford, K. G., M.A. W. Ont. Hd., Inst. of Local Govt. and Prof.

Associate Professors

Curtis, C. H., M.A. (Industrial Relations).

Urquhart, M. C., B.A. Alta.

Hodgetts, J. E., M.A. Tor., Ph.D. Chic.

Assistant Professors

Slater, D. W., B.Com. Manit., B.A.

Meisel, J., M.A.

13 Tutors.

*Psychology*

Blackburn, J. M., B.Sc. Lond., Ph.D. Camb. Prof.

Smith, A. H., Ph.D. Tor., M.A. Assoc. Prof.

Laird, Isabel M., M.A., B.Ed. Edin. Asst. Prof.

2 Pt.-time Instrs., 4 Tutors.

*Russian*

Krotkov, Valentina N., B.A. Moscow, M.A. Tor. Instr.

*Semitic Langs. and Lit.*

Gilmour, Rev. S. M., B.A. Manit., B.D. Union, Ph.D. Chic., D.D. Montr. (Hebrew and Religion) Actg. Prof.

Kent, Rev. H. A., M.A. Dal., D.D. Montr., LL.D. Mt. All., F.R.S.A. (Hebrew and Religion) Sessnl. Lectr.

*Spanish and Italian*

Hilborn, H. W., M.A., Ph.D. Tor. (Spanish and Italian) Prof.
Fox, A. M., M.A. Tor. (Spanish) Asst. Prof.
McDonald, J. K., B.A. Br. Col., M.A. Oregon (Spanish) Lectr.
1 Asst., 3 Tutors.

**Medicine**

(for subjects of the first year—Chem., etc., v. *supra*)

*Anæsthetics*

Angrove, H. S., M.D., C.M. Lectr.
Campbell, W. A., M.D., C.M. Lectr.
Noble, A. B., M.D. Tor., F.A.C.A. Lectr.
Mahood, J. H. S., B.A., M.D., C.M. Clin. Asst.

*Anatomy*

Matheson, D. C., M.B. Prof.
Tomasch, J., M.D. Vienna Assoc. Prof.
1 Demr., 2 Fellows.

*Bacteriology*

Professors

Reed, G. B., O.B.E., M.A., B.Sc., Ph.D. Harv., F.R.S.C.
Orr, J. H., M.D., C.M., F.R.C.P. Can.
1 Demr.

*Biochemistry*

Beveridge, J. M. R., B.Sc. Acad., Ph.D. Tor., M.D. W. Ont. Craine Prof.
Hurst, R. O., B.A., Ph.D. Tor. Asst. Prof.
1 Asst., 3 Demrs.

*Embryology*

Kropp, B. N., A.M., Ph.D. Harv. Assoc. Prof.

*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. *infra*, Obstetrics and Gynæcol.

*Medical Jurisprudence*

Macdonnell, P. M., M.A., M.D., C.M. Lectr.
Hickey, J. M., Q.C., B.A. Lectr.

*Medicine and Clin. Med.*

Connell, W. F., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.
Brown, G. M., D.Phil. Oxon., M.D., C.M., F.R.C.P.Can., F.A.C.P. Prof.
White, D. N., M.A., M.B., B.Chir. Camb., F.R.C.P.Can. Assoc. Prof.

Assistant Professors

Hopkins, B. H., M.B. Tor.
Kelly, H. G., M.D., C.M., F.R.C.P. Can.
Wilson, D. L., M.A., M.D., C.M.

Lecturers

Robinson, S., M.D., C.M.
Tweddell, J. T., M.D., C.M.
O'Connor, F. D., M.D., C.M.
Danby, C. W. E., M.D., C.M., F.R.C.P.Can.
McCracken, G., M.D., C.M., F.R.F.P.S. Glas.

Clinical Assistants

Bird, H. G., M.B. Tor., F.R.C.P. Can.
Gibson, J. E., B.A., M.D., C.M.
Dingwall, R. W., M.D., C.M., M.Sc. (Med.).
Young, W. A., M.D., C.M., F.R.C.P.Can.
Cronk, L. B., M.D., C.M., F.R.C.P. Can.

West, M. H. Clin. Tutor.
1 Fellow.

*Obstetrics and Gynæcology*

Robertson, E. M., M.B., Ch.B. Edin., F.R.C.O.G., F R.C.S. Ed. and Can. Prof.
McLeod, P. A., B.A., M.D., C.M., F.R.C.O.G., F.R.C.S.Can. Assoc. Prof.
Mylks, G. W., B.A., M.D., C.M., F.A.C.S. Asst. Prof.
Hutchison, H., M.B., Ch.B. Edin. Clin. Tutor.

*Pædiatrics*

MacGregor, R. R., M.C., M.D., C.M., F.R.C.P.Can. Prof.
Delahaye, J. S , M.D., C.M. Lectr.
Bryans, A. M., M.D. Tor. Clin. Asst.
O'Connor, F. J., M.D., C.M. Clin. Asst.

*Pathology*

More, R. H., M.D. Tor., M.Sc. McG. Prof.
Hay, W. D., M.A., M.D., C.M. Assoc. Prof.
Kipkie, G. F., M.Sc. McG., M.D., C.M. Assoc. Prof.
Howatt, F. F., B.A., M.D., C.M., M.Sc.Med. Lectr.
2 Fellows.

*Pharmacology and Therapeutics*

Boyd, E. M., M.A., M.D., C.M. Prof.
McEwen, H. D., Ph.D. Roch., M.A. Assoc. Prof.

*Physiology*

Ettinger, G. H., M.B.E., B.A., M.D., C.M., F.R.S.C. Prof.

Assistant Professors

Sawyer, Mrs. Margaret E. M., M.A., Ph.D. McG.
Firstbrook, J. B., M.D., Ph.D. Tor.
Hatcher, J. D., M.D., Ph.D. W. Ont.
2 Tutors, 2 Fellows.

*Psychiatry*

McCuaig, C. H., M.D., C.M. Prof.
Lynch, D. O., M.D., C.M. Asst. Prof.

Clinical Assistants

Batstone, H. L., B.Com., M.D., C.M.
O'Connor, M. J., M.D., C.M.
Billings, R. M., M.D., C.M.
Scott, G. D., M.D., C.M.
Wilson, G. E., M.D. Tor.
Palmer, L. J., M.D., C.M.

*Public Health and Preventive Medicine*

Wyllie, J., M.A., B.Sc., M.D. Glas., D.P.H. Camb. Arthur R. Elliott Prof.
Kelly, R. A., M.D., C.M. Lectr.

*Radiology and Physical Therapy*

Jones, W. A., O.B.E., V.D., M.D. W. Ont., F.R.C.P.Can., F.F.R. Prof.
Burr, R. C., M.D., C.M., F.R.C.S. Ed. and Can. Assoc. Prof.
1 Demr.

*Surgery*

Bingham, D. L. C., M.B., Ch.B. Edin., F.R.C.S.Ed. and Can., F.A.C.S. Prof.

Associate Professors

Houston, S. W., M.D., C.M., F.R.C.S.Ed. and Can.
Boucher, D. W., M.D., C.M., F.R.C.S.Ed. and Can.

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., F.R.C.S.Can.

Clarke, K. S., M.D., C.M, F.R.C.S. Ed.
Melvin, W. J. S., B.A., M.D., C.M., F.R.C.S. (Orthopæd. Surg.).
1 Teaching Fellow.

*Urology*

Berry, N. E., M.D., C.M. Prof.
White, E. P., M.D., C.M., F.R.C.S. Ed. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Extension and Dir. of Summer School, H. W. Curran, B.S. Hobart Coll., M.A., Ph.D. Mich. Asst. Registrar, K. Jean Richardson, B.A. Univ. Chaplain 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. S. Pollock, M.Sc. Medical Officer, H. M. Campbell, M.D., C.M.

## AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE, Kingston, Ontario. (*Telephone*: Kingston, 8272.) Principal and Prof. of New Testament Lit. and Criticism—Rev. S. M. Gilmour, M.A. Manit., B.D. Union, Ph.D. Chic., D.D. Montr. 3 other Profs.

## GENERAL INFORMATION

Queen's College, Kingston, was founded by Royal Charter in 1841. For early history, *see Yearbook* for 1929.

The administration is vested in a Board of Trustees, composed of Chancellor, Principal and Rector, representatives of the Council, Theological College, the Graduates and Benefactors, and 12 members selected by the Board.

LIBRARY (The Douglas Library). 256,630 catalogued vols., including many scarce books and early editions, especially of Canadian historical interest. The Reading Room has over 4000 vols. on open shelves and 700 periodicals. The Lorne Pierce collection of modern Canadiana, the Shortt-Haydon collection of pictures and portraits of Canadian interest and the R. S. McLaughlin Canadian historical collection are probably unexcelled. MUSEUMS: Herbarium (35,000 spec.), Geol., Mineral., Ethnol. (rich N. American Stone Age collection). LABORATORIES, including important School of Mines buildings: Biol., Chem., Geol., Physics, Engin., Mining, Mechan., Metall., Mineral. HOSPLS. available for clinics, 2 general, 1 for insane. Easy access to important locomotive shops, dry docks, canal locks, water-power stations, mines, metallurgical works. Exceptional natural facilities for Geol. study.

FACULTIES AND DEANS. *See* p. 837.

ADMISSION. *See* Appendix I.

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., Electr., Min., and Metall., Chem.—Analyt. and Applied Chem., Geol. Sc., Chem. Eng., or Physics), B.Com.; 5 yrs. from Senior Matriculation, B.N.Sc.; 6 yrs. from Senior Matriculation, M.D., C.M.; 4 yrs. from Senior Matriculation, B.A., B.P.H.E.

HIGHER DEGREES. M.A. (1 yr.); M.Sc. (1 yr.); M.Sc. (2 yrs. after M.D.); Ph.D. (3 yrs.); B.D. (3 yrs.' course or its equivalent); Honorary: LL.D., D.D., D.Sc.

DIPLOMAS. Public Health Nursing (1 yr.); Teaching and Supervision in Hospital Schools of Nursing (1 yr.); Public Health (D.P.H.), 2 yrs.; Medical

Radiology (D.M.R.), 4 yrs., including training in recognized Radiol. Dept.; Testamur in Theology, 3 yrs.

FEES p.a. (Class, examn. and Student Interests) in Arts, $273·50; Com., 1st and 2nd yrs., $273·50; 3rd and 4th yrs., $293·50; App. Science, $383·50; Med., $408·50; Phys. and Health Educn., 1st, 2nd and 3rd yrs., $308·50; 4th yr., $318·50; Nursing, 1st yr., $273·50, 2nd, 3rd and 4th yrs., $10, 5th yr., $295·50.

SCHOLARSHIPS AND FELLOWSHIPS. There is a large number of entrance scholps., varying in value from $20 to $1200 and open to students entering all faculties. 2 *R. Samuel McLaughlin Fellowships*, $1200 each, open to students with M.A. of Queen's or another Univ. **The Sir James Aikins Fellowship in Canadian History*, $400, and the **Western Ontario Graduates Fellowship in History*, $320, are open to distinguished grads. proceeding to further work in Hist. 8 *R. Samuel McLaughlin Fellowships* ranging in value from $900 to $1100 are open to men and women who have taken the Hons. B.A. at Queen's or an equivalent degree elsewhere. *The C.I.L. Fellowship in Chem. and Chem. Engin. of* $1200 is open to grads. of Queen's or other Univs. who wish to do res. in Chem. or Chem. Engin. *The Shell Oil Fellowship*, $900 *plus tuition*, is for grad. work in Chem., Chem. Engin., Mech. Engin., Geol., Phys. and Geophys. *The Cominco Fellowship of* $1000 founded by the Consolidated Mining and Smelting Co. of Canada Ltd. The holder of this fellowship shall carry on an investigation related to the general field of non-ferrous metals, chemicals or fertilizers in which the Consolidated Mining and Smelting Co. is interested. Applicants must be grads. 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 grad. work in Chem., Chem. Engin., Mining Engin., Metall., Geol. and Min. *Alice H. Atack Scholp.* in Chem. Engin., $500, awarded on the basis of ability, academic record, character and personal qualification. *The J. B. Tyrrell Scholp. in Econ. Geol.*, $500, for grad. work in Econ. Geol. *The R. S. McLaughlin Teaching Fellowships* in Mech. Engin., 2 valued at $2200 each, awarded to students proposing to do grad. work in Mech. Engin. over a 2-yr. period. *The Steel Co. of Canada Ltd. Fellowship*, $1500, for res. in ferrous metall. * *The George MacBeth Milligan Fellowship in Philos.*, $400, for res. in Philos. This fellowship is open to grads. of Queen's or elsewhere. There are 2 fellowships in Chem. open to grads. of approved Univs.

RESIDENCE AND UNION. Ban Righ Hall (University Ave.; *Telephone*: 20140) and its annexes have rooms for 253 women students and refectory accomm. for 325. The annexes include Baker House (*Telephone*: 20248), Goodwin House (*Telephone*: 20084), Gordon House (*Telephone*: 20035), Matheson House (*Telephone*: 20213). Board and lodgings in 1952–53 cost from $400 to $450 for the full session. Every male student is a member of the Students' Memorial Union. The Union has the usual club facilities—a dining-hall, lounge and billiard rooms, reading rooms, committee rooms, and guest rooms for alumni and visitors to the Univ. The Union provided meals at from $9 to $11 a week during session 1952–53 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 1952–53 was $10. Berry House and Collins House accommodate 34 men students. Boucher House, a co-operative house for women students, accommodates 21.

* Each of these awards may carry a grant sufficiently large to bring it to a total value of $750.

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, 14,000.

UNIVERSITY EXTENSION. Correspondence courses for teachers and others unable to pursue full degree courses in Arts. Candidates for degrees must be in attendance at the Univ. for five Summer Schools (six weeks in July and Aug.), or two winter sessions, or one winter session and three Summer Schools. The final written examns. are the regular Univ. examns. Extension tutorial classes supplementing the work by correspondence are conducted by members of the Univ. staff and others in various centres. Other activities organized or assisted by the Dept. are: a series of public lectures at the Univ.; a concert series; film service in co-operation with the National Film Board of Canada; short courses and conferences which vary in nature from vocational to cultural; individual lectures by members of staff; material provided for study groups and drama groups; an annual series of vocational and special interest talks given to inmates of Collins Bay and Kingston Penitentiaries; evening non-credit courses in Art, 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 (Hunter-Rose), 1941.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Alcoholism Res. Foundation, $25,000; Algoma Ore Properties, Ltd., $10,000; Anon., $41,500; Atkinson Charitable Foundation, $10,000; Bank of Montreal, $10,000; Dr. H. G. Bertram, $55,000; Corporation of City of Kingston, $15,000; Estate of R. W. Leonard, $16,986; Royal Bank of Canada, $10,000; Estate of W. Spankie, $19,000; Estate of Mrs. Winona N. Stewart, $100,000; Dr. James Wallace, $32,000; Messrs. G. Weston, Ltd., $10,000.

RETIREMENTS. Principal H. A. Kent (Theol.); Prof. J. A. Gray (Phys.).

RESIGNATIONS. Prof. A. R. J. Boyd (Prev. Med.); Prof. H. E. Gruber (Psych.); Prof. E. J. Masoro (Physiol.); Prof. R. D. Macdonald (Geol. Sc.); Prof. R. A. Macleod (Biochem.); G. B. B. Hunter (Phil.); Dr. A. E. Scheidegger (Phys.); Dr. W. A. Young (Univ. Med. Officer).

HONORARY DEGREES. *LL.D.*—H.E. the Rt. Hon. Vincent Massey, Gov.-Gen. of Canada; Sir Alexander Clutterbuck, High Commissioner for the U.K. in Canada; G. P. Gilmour, Pres., McMaster U., Hamilton; E. G. Gowling, Ott.; The Rt. Hon. J. L. Ilsley, Chief Justice of N.S.; A. J. McNab, N.Y.; Dr. R. T. Noble, Tor.; Hon. Dana Porter, Att.-Gen. of Ont., Tor.; N. A. Robertson, Clerk, Privy Council, Ott.; E. W. R. Steacie, Pres., Nat. Res. Council, Ott.; Mgr. F. Vandry, Rector, Laval U., Quebec; J. Viner, Princeton U.; J. Wallace, Renfrew; T. H. Wholton, Galt; Healey Willan, Tor.; G. E. Wilson, Dean, Fac. of Arts, Dalhousie U.; *D.Sc.*—W. A. Newman, Montr.; *D.D.*—Rev. H. E. D. Ashford, Charlottetown; Rev. A. M. J. Gray, Ott.; Rev. N. D. Kennedy, Mod., Presb. Church; Rt. Rev. C. M. Nicholson, Mod. United Church.

STUDENT NUMBERS.

| | *Extra-Mural* | *Summer School* | *Intra-Mural* |
|---|---|---|---|
| Men | 457 | 191 | 1623 |
| Women | 392 | 304 | 478 |
| Total | 849 | 495 | 2101 |

Postgraduate students, 75.

New admissions, 628.

Students from other countries: U.S.A., 43; U.K., 5; other European countries, 13; Bermuda, 5; British West Indies, 5; South America, 5.

DEGREES. B.Sc. (Hons.), 24; B.Sc., 142; M.Sc., 18; B.A. (Hons.), 41; B.A. (Pass), 173; M.A., 27; Ph.D., 1; B.Com., 18; M.D., C.M., 50; B.N.Sc., 5; B.P.H.E., 12; B.D., 3.

[*Information compiled as at* 5/6/53.]

# ROYAL MILITARY COLLEGE OF CANADA*

Founded 1876

*Postal Address* : Kingston, Ontario, Canada.
*Telephone* (General Information) : 2-2841.

PRESIDENT—THE MINISTER OF NATIONAL DEFENCE (*ex officio*), Hon. BROOKE CLAXTON, Q.C., D.C.M., B.C.L. McG., M.P.

COMMANDANT—Brigadier DONALD ROBERT AGNEW, C.B.E.

VICE-COMMANDANT AND DIRECTOR OF STUDIES—Col. WILLIAM REGINALD SAWYER, O.B.E., M.Sc. Qu., Ph.D. McG., F.C.I.C.

REGISTRAR AND SECRETARY OF THE FACULTY—Lt.-Col. THOMAS FRASER GELLEY, B.A. Manit., M.A. Qu.

STAFF ADJUTANT—Maj. PHILIP TURTON NATION, B.Sc. Qu.

ADMINISTRATIVE OFFICER—Maj. GORDON SWARTZEN, B.A. W. Ont.

LIBRARIAN—JOHN SPURR, B.A., B.Ed. Acad.

## TEACHING STAFF

*Chemistry and Chemical Engineering*

Professors

Sawyer, W. R., O.B.E., M.Sc. Qu., Ph.D. McG., F.C.I.C.
Dacey, J. R., M.B.E., M.Sc. Dal., Ph.D. McG., F.C.I.C.
Naldrett, S. N., M.Sc. Alta., Ph.D. McG.
Hodgins, J. W., B.A.Sc., Ph.D. Tor., F.C.I.C.
Diaper, D. G. M., M.A., D.Phil., B.Sc. Oxon. Asst. Prof.
Jones, R. A., M.Sc. W. Ont., Ph.D. McG. Asst. Prof.

Instructors

Penland, R., B.A. Br. Col.
Graham, D. M., B.Sc. W. Ont.
La Flamme, Y., B.A.Sc. Laval.
Washington, R. A., B.Sc. Qu.
Hoffman, T. W., B.Sc. Qu.

*Civil Engineering*

Dolphin, J. W., B.A.Sc. Br. Col., M.S.(C.E.) Minn. Prof.
Underwood, Sqn. Ldr. C. E. F., B.A.Sc.(C.E.) Br. Col. Assoc. Prof.
Freeborn, Capt. F. R., M.C., B.Sc. Alta. Asst. Prof.
Plewes, W. G., B.Sc. Manit. Instr.
Ambrose, J. W., A.B. Stanford, Ph.D. Yale (Engin. Geol.) Sp. Lectr.

*Electrical Engineering*

Holbrook, Lt.-Col. G. W., B.Sc. Lond., M.Sc. Qu. Prof.
Campling, C. H. R., B.Sc. Qu., M.Sc. M.I.T. Assoc. Prof.
Croft, Capt. A. M., M.Sc. Dal. Asst. Prof.
Cox, G., B.A. W. Ont. Instr.
Filmer, A. J., M.Sc. Alta. Instr.

*English*

Fisher, P. F., M.C., M.A., Ph.D. Tor. Prof.
Maclean, H. N., B.A. Prin., M.A., Ph.D. Tor. Assoc. Prof.

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

Dooley, D. J., M.A. Tor. Instr.
Avis, W. S., M.A. Qu. Instr.

*History*

Stanley, G. F. G., B.A. Alta., M.A., B.Litt., D.Phil. Oxon., F.R.Hist.S. Prof.
Preston, R. A., M.A. Leeds, Ph.D. Yale Prof.
Cappadocia, E., M.A. Tor. Instr.
Wise, S. F., M.A. Qu., 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., Ph.D. Tor. Asst. Prof.
Fryer, K. D., B.A. W. Ont., M.A., Ph.D. Tor. Asst. Prof.

*Mechanical Engineering*

King, Lt.-Col. P. C., B.Sc. Qu. Prof.
Sloat, Sqn. Ldr. R. D., B.A.Sc. Tor. Assoc. Prof.
Billingsley, J. G. S., M.Sc. Qu. Pt.-time Lectr.
Moran, F/L J. E., B.A.Sc. Tor. Asst. Prof.
Pike, J. G., B.Sc. Qu. Instr.
Conn, H. G., O.B.E., B.Sc. Qu., M.S. Mich. Sp. Lectr.

*Military Studies*

Associate Professors

Fawcett, Maj. W. G.
Snider, Sqn. Ldr. E. C., D.F.C.
Fotheringham, Lt.-Cmdr. J. B.

*Modern Languages*

Chabot, C. A., B.A. Laval, M.A. Qu. Prof.
Emond, H. P., B.A. Ott. Assoc. Prof.
LeGrand, H. A., M.A., L.Ph., Ph.D. Montr. Asst. Prof.
Lauzière, A. E., B.A. Ott., M.A. Montr., D. de l'U. Paris Asst. Prof.
Vigneau, R., M.A. Montr. Lectr.
de Margerie, Y., B.A. Ott., L. ès L. Laval Lectr.
Weil, H. H., M.A., Ph.D. Camb. Sp. Lectr. (German).

*Physics*

Reekie, J., B.Sc., Ph.D. Edin., Ph.D. Camb. Prof.
Hetherington, Maj. F. E., M.Sc. Qu. Prof.
Hutchison, T. S., B.Sc., Ph.D. St. And. Assoc. Prof.
Brown, J. B., B.A. Br. Col., D.Phil. Oxon. Assoc. Prof.
Boyle, W. S., M.Sc., Ph.D. McG. Asst. Prof.

Instructors

Lowther, L. H., B.Sc. Acad.
MacAskill, D. D., M.Sc. McM.
Baird, D. C., B.Sc. Edin., Ph.D. St. And.
Beaumont, C. F. A., B.A. McM., M.A. Tor.

*Political and Economic Science*

Malach, V. W., B.A., B.Com. Qu., Ph.D. Lond., F.R.E.S. Prof.
Meyers, E. B., B.Acc. Sask. Asst. Prof.
Beck, J. M., M.A. Acad., M.A. Tor. Asst. Prof.
Winn, A. E., B.Sc. Sir G. Wms., M.A. Tor. Instr.
Atrill, V. H., M.A. W. Ont. Instr.

**Cadet Organization**

Nation, Maj. P. T., B.Sc. Qu. O/C Cadet Wing.
Bethune, Lt. L. D. S., B.A. McM. Sqn. Comd.
Malone, Capt. J. E. Sqn. Comd.
Murray, F/L G. K., B.A. Sask. Sqn. Comd.
Campbell, Lt. A. P. Sqn. Comd.
Botting, Lt. E. A., B.A. Sask. Phys. Ed.

**Canadian Army Operational Research Establishment**

Maskell, Maj. F. G. B., M.A. Oxon.

Goodfellow, Maj. H., M.B.E., B.E. Sask.

Kaye, G. D., B.Sc. Lond., F.S.S.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Adm. Offr., Capt. S. F. Hildred, M.B.E.; Paymaster, Capt. V. M. Shipley; Protestant Chaplain, Rev. W. F. Banister, O.B.E., B.Th., B.D. Tor.; Catholic Chaplain, Rev. J. V. Driscoll; Med. Offr., H. M. Campbell, M.D. Qu.

## GENERAL INFORMATION

The Royal Military College of Canada, founded in 1876 at Kingston, Ontario, exists 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. Specialization in Econ., Comm., Hist., Engl., French and Science may be undertaken in the 3rd and 4th yrs. of the General Course.

The Arts and Sci. and the Engin. Facs. operate as a joint fac. under a Director of Studies.

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.

FEES. Tuition, $100 p.a.: first yr.—$450 additional, covering uniforms, books, laundry, etc.; each subsequent yr. $200; annual recreation, $30; an annual contingency fund of $75, of which the unexpended portion is refundable.

SUMMER TERM. All cadets are required to attend training centres of the Services of their choice in order to obtain the necessary Service qualifications.

LIBRARY. 35,000 vols., including the General Crerar German Military Library.

LABORATORIES. Chem., Phys., Civil, Electrical, Mech. and Chem. Engin.

RESIDENCE. All cadets are in uniform and live in residence. Three blocks, providing 400 single and double rooms.

SUMMER SERVICE SCHOOLS. R.M.C. facilities are used in the summer months for jr. officers' courses, C.O.T.C., Reserve University Flights (R.C.A.F.), and other qualifying courses.

PUBLICATIONS. *Admission Requirements* (annual); *The R.M.C. Review* (annual); *The Marker* (bi-weekly).

## THE YEAR 1951–52

BUILDINGS. Reconstructed Physics bldg.

CADETS. Total, 500 (including Royal Roads).

# SAINT DUNSTAN'S COLLEGE

Founded 1855

*Postal Address*: Charlottetown, Prince Edward Island, Canada.
*Telephone*: Charlottetown 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. C.U.A.

## TEACHING STAFF

*Biology*
Ellsworth, Rev. R. G., D.D. Laval, M.Sc. C.U.A. Prof.

*Chemistry*
Cass, Rev. F. L., B.Sc. McG. Prof.

*Commerce*
O'Connell, B.A. St. F.X., M.A. Tor.

*Economics*
Murphy, J. C., Ph.D. C.U.A. 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. C.U.A. Prof.

*Latin and Greek*
MacLellan, Rev. T. M., D.D. Montr., B.A. Prof.

*Mathematics*
Roche, Rev. E. J., M.Sc. Notre Dame Prof.

*Philosophy*
Sullivan, Rev. J. A., M.A. C.U.A. Prof.
Landrigan, Rev. L. W., B.A. Assoc. Prof.

*Physics*
MacDonald, Rev. G. A., M.Sc. Dal. Prof.

*Religion*
Mackenzie, Rt. Rev. R. V., Litt.D. Laval, LL.D. New Br. Prof.

*Sociology*
Murphy, J. C., Ph.D. C.U.A. Prof.

## ADMINISTRATIVE AND OTHER STAFF

Bursar: Rev. F. P. Aylward, B.A. College Physician: Hon. W. J. P. MacMillan, O.B.E., M.D., C.M., LL.D. McG., F.A.C.S. Faculty Adviser on Athletics: Rev. W. J. MacGuigan, M.A. C.U.A. Directors of Discipline: Rev. G. A. MacDonald, M.Sc. Dal.; Rev. L. W. Landrigan, B.A.; Rev. E. J. Roche, M.Sc. Notre Dame. Committee on Studies: Rt. Rev. R. V. Mackenzie, Litt.D. Laval, LL.D. New Br.; Rev. J. A. Sullivan, M.A. C.U.A.; Rev. R. G. Ellsworth, D.D. Laval, M.Sc. C.U.A. Director of Extension Work: Rev. W. O. Simpson, B.A. Librarian: Rev. A. F. MacDonald, B.L.S. Tor., B.A.

## GENERAL INFORMATION

St. Dunstan's College, opened in 1855, was by Act of the Prince Edward Island Legislature granted a charter in 1917 as a University " with all and every the usual rights, powers, and privileges of such an institution." From 1892 to 1940, by virtue of affiliation with Laval University, the degrees of that institution were conferred on all those who completed the St. Dunstan's courses and successfully passed the examinations given by Laval Univ., but since 1940 the powers of its charter have been exercised in full and independent action. By virtue of its former privilege with Laval Univ., however, students from classical colleges in Quebec may attend St. Dunstan's for the last 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 (Main Building, Dalton Hall and Memorial Hall), each accommodating about eighty students. Fees per room—$70.

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.

FACULTY AND DEAN. *Arts and Sciences,* Rev. J. A. Sullivan, M.A. C.U.A.

DEGREES. The courses given are B.A., 4 yrs.; B.Sc., 4 yrs., B.Com., 4 yrs., and on the successful completion of these courses the degrees are conferred.

ADMISSION REQUIREMENTS. Applicants must present certificates showing the successful completion of the High School course in Prince Edward Island, or the equivalent (Junior Matriculation) from outside the Province. *See also* **Appendix I.**

FEES. Tuition, board, $350 to $390 per yr.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 164 |
| Women | 1 | 31 |
| Total | 1 | 195 |

New admissions, 68.
Students from other country: U.S.A., 5.

DEGREES. B.A., 36; B.Sc., 7; B.Com., 2.

[*Information compiled as at* 29/6/53.]

# UNIVERSITY OF ST. FRANCIS XAVIER*

Founded 1853

*Postal Address*: Antigonish, Nova Scotia, Canada.

*Telephones*: Antigonish 273, 599, 254.

CHANCELLOR AND *ex-officio* CHAIRMAN OF THE BOARD OF GOVERNORS—Most Rev. JOHN R. MACDONALD, D.D., Bishop of Antigonish.

PRESIDENT—Rt. Rev. P. J. NICHOLSON, Ph.D. Johns H.

VICE-PRESIDENT—Rev. H. J. SOMERS, Ph.D. C.U.A., F.R.Hist.S.

PRINCIPAL, XAVIER JUNIOR COLLEGE—Rev. M. A. MACLELLAN, Ph.D. C.U.A.

DEAN OF STUDIES—Rev. C. H. BAUER, B.A.

BURSAR—Rev. A. I. MACADAM, B.A.

ACTING REGISTRAR—Rev. M. J. MACLEAN, B.A.

PREFECT OF DISCIPLINE—Rev. J. A. RANKIN, B.A.

CHAPLAIN—Rev. M. MACDONELL, M.A. Tor.

LIBRARIAN—Sister REGINA CLARE, B.L.S. Tor.

## TEACHING STAFF

*Biology*

Chisholm, Rev. J. C., M.A. Prof.
Chiasson, L. P., Ph.D. Tor. Assoc. Prof.

*Chemistry*

Foley, W. T., Ph.D. Laval Prof.
MacDonald, J. J., Ph.D. Tor. Assoc. Prof.

*Classics*

Gillis, Rev. J. H., Ph.D. C.U.A. Prof.

*Economics, Sociology, Political Science, Commerce*

MacEachen, A. J., M.A. Tor. Prof.
Sister St. Mary Donald, M.A. Col. Prof.

Associate Professors

MacCormack, Rev. D., M.A., D.D. Laval.
Boyle, Mrs. Doris, Ph.D. C.U.A.
Judek, S., Ph.D. Edin.
Mifflen, Rev. P. S., M.A. C.U.A.
Gallant, F., B:Com. Qu.
Kontak, W., B.A.

*Education*

Campbell, Rev. D., M.A. C.U.A. Prof.
Sister St. Michael, M.A. Tor., Ph.D. Fordham Assoc. Prof.

*Engineering*

Fogarty, Rev. W. P., B.Sc. McG. Prof.
MacDougall, J., B.Sc. N.S.T.C.

*English*

Bannon, Rev. R. V., M.A. Prof.

Associate Professors

Kane, Rev. G. L., M.A. Harv.

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

Edwards, Rev. W. X., B.A.
MacSween, Rev. R. J., B.A.

*French*

MacLean, C., D. de l'U. Paris Prof.
LeBlanc, A. J., M.A. Laval Assoc. Prof.
Doiron, L., M.A. Montr. Assoc. Prof.

*Geology*

MacNeil, D. J., Ph.D. Prin. Prof.
Keating, B. J., Ph.D. McG. Assoc. Prof.

*German*

Bauer, Rev. C. H., B.A. Prof.

*History*

Somers, Rev. H. J., Ph.D. C.U.A., F.R.Hist.S. Prof.
MacDonell, Rev. M., M.A. Tor. Prof.
Sister St. Veronica, M.A. C.U.A. Prof.
Van Ginkel, H. Assoc. Prof.

*Mathematics*

McKenna, Rev. L. G., M.A. Prof.
Ginivan, Rev. F. J., B.Sc. Assoc. Prof.

*Philosophy*

MacDonald, Rev. C. R., Ph.L. Laval.

Associate Professors

MacDonald, Rev. C. W., B.A., S.T.L. Montr.
Burke, S., M.A., Ph.L. Laval.

*Physics*

Professors

Nicholson, Rt. Rev. P. J., Ph.D. Johns H.
Tobin, Rev. C., M.A.

Associate Professors

Clarke, Rev. E. M., B.Sc.
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 Dir. Emeritus.
MacKinnon, M. J., B.A. Dir.
Laidlaw, A., M.A., B.Pæd. Tor. Assoc. Dir.
MacPherson, Rt. Rev. H., D.D. Agric. Consultant.
MacCormack, Rev. D., D.D. Laval Dir. Radio Educn.
MacIsaac, Rev. F. N., B.A. Dir. Land Settlement.
Rankin, Rev. J. A., B.A. Dir. Rural Educn.
Michael, Sister M., B.L.S. Librarian.
2 Lectrs.; 12 Field Workers; Field Specialist; Housing Specialist; Field Supervisor.

## ADMINISTRATIVE AND OTHER STAFF

Business Manager: C. R. Chadwick; Public Relations Officer: B. J. O'Connell, B.A.; Instr. in Physical Educn.: A. Gilmet; Resident Staff Officer, C.O.T.C.: Capt. A. T. Sesia, M.B.E., B.A.

## AFFILIATED INSTITUTIONS

XAVIER JUNIOR COLLEGE, George Street, Sydney, N.S. (*Telephone*: Sydney 618.) Principal—Rev. M. A. MacLellan, Ph.D. C.U.A. MT. ST. BERNARD COLLEGE, Antigonish, N.S. (*Telephone*: Antigonish 74.) Superior—Sister St. Catherine Martyr. ST. MARTHA'S HOSPITAL SCHOOL OF NURSING, Antigonish, N.S. (*Telephone*: Antigonish 54.) Supt. of Nurses—Sister Mary Calvary.

## GENERAL INFORMATION

The University was founded in 1853 in Arichat by the Rt. Rev. Colin Francis MacKinnon, Bishop of the Diocese of Arichat, and subsequently moved to its present location at Antigonish. Full University powers were conferred upon St. Francis Xavier University by the Province of Nova Scotia in 1866. The Univ. is under the direction of the Catholic Church, but there are no religious tests for entrance or for degrees. Permanent buildings were begun in 1880.

In 1894 Mt. St. Bernard College, founded in 1883, was affiliated with the Univ.

MATRICULATION REQUIREMENTS. A candidate for admission to the Freshman year must either pass the University Matriculation Examinations or present a certificate showing that he has sufficient academic preparation. For admission to the *Arts Course* credits are required in: Engl.; Hist.; a modern lang.; Algebra; Geom.; Latin; one of: Phys., Chem., Biol., another history, Trigonom., another lang. *Premedical, Predental, and Prelegal* courses: the same credits are accepted. *Science Course*: credits are required in: Engl.; Hist.; a modern lang.; Algebra; Geom.; Phys.; Chem.; one of: Economics, another history, Trigonom., another lang., Biol. *Commerce or Engineering Courses*: either an Arts or Science matricn. will suffice. *Acceptable Certificates*: The following certificates will be accepted, under certain conditions, as offering credits for admission: (*a*) Grade XI Certificates of the Common Examining Board of the Maritime Provinces and Newfoundland. (*b*) New Brunswick Matriculation Certificates and the Second Year Diploma of Prince of Wales College, Charlottetown. (*c*) Ontario Grade XII (Junior matriculation) certifs. (*d*) Quebec High School leaving or Junior Matriculation certifs. (*e*) Equivalent certifs. of the Depts. of Educn. of other provinces. (*f*) Matricn. certifs. issued by recognized colls. (*g*) High school graduation certifs. *See also* Appendix I.

ADMISSION TO PARTIAL OR SPECIAL COURSES. In particular cases students who are not candidates for degrees may be permitted by the Committee on Admissions to enrol in any course from which, in the judgement of the Committee, they will profit.

GENERAL FEES. *First Semester*: Board, $160; Tuition, $80; Room Rent, $48; Laundry, $16; Library, $10; General Fee, $23; Caution Money, $10; Medical and Surgical Attendance, $8; Hospitalization Fee, $7; Total, $362; Total without private room charge, $314. *Second Semester*: Board, $160; Tuition, $80; Room Rent, $48; Laundry, $16; Total, $304; Total without private room charge, $256.

DEGREE COURSES. 5 yrs., B.A. Hons., B.Sc. Hons., B.Sc. Nursing; 4 yrs., B.A., B.Sc., B.Com., B.Sc. Home Econ. Postgraduate, 2 yrs., M.A., B.Ed.

DIPLOMA COURSES. Engineering, 3 yrs.; admits to fourth yr. of 5-yr. course at Nova Scotia Technical College and other engineering schools. Education, 1 yr. postgraduate; qualifies for High School Licence of the Nova Scotia Dept. of Educn. Social Leadership, 2 yrs.; intended for adults who wish to train themselves for community leadership in the work of the Antigonish Movement.

MT. ST. BERNARD COLLEGE offers specialized training, not leading to a degree or diploma, in Arts and Crafts, Music, Dramatics and Secretarial Science (2 yrs.).

SUMMER COURSES. St. Francis Xavier Summer School, Vacation School in Social Action. Various short courses sponsored by the Extension Dept. of the Univ.

EXTENSION DEPARTMENT. This Dept. was set up in 1928 and sponsors a programme of adult education known as the Antigonish Movement. It is separately staffed and educates by means of study clubs, films, radio programmes and by correspondence. It has vastly improved the economic state of fishermen, farmers and industrial workers in the Canadian Maritime Provinces by the establishment of Co-operatives and Credit Unions, and its work has been recognized by outstanding foundations which have given substantial assistance. It sponsors various courses on the campus and awards to students a diploma in Social Leadership, on completion of a two-year course of the principles and methods of the Extension Movement.

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, McKinnon Hall, Xavier Hall, Mockler Hall; these accommodations provide facilities for 800 resident students.

PHYSICAL TRAINING. Gymnasium; skating rink; stadium.

MILITARY TRAINING. University Naval Training Division (U.N.T.D.) established to train suitable young University students for commissioned rank in the Royal Canadian Navy and the Royal Canadian Navy Reserve. Canadian Officers' Training Corps (C.O.T.C.) established to select and train suitable young University students for commissioned rank in the Canadian Active Army and the Canadian Active Army Reserve.

The STUDENTS' UNION is the recognized means of communication between the Fac. and the student body. It is designed to co-ordinate and control all extra-curricular student activities. Every student is a member.

PUBLICATIONS. *Calendar* (July); *Xavierian*, weekly (students' publication); *Alumni News*, 3 times yearly; a *Short History of the University*, available on request, gratis.

## THE YEAR 1951–52

ADULT EDUCATION WORK. General programme of adult educn. chiefly for primary producers and industrial workers in the Maritime Provinces; promotion of credit union and co-operative activities among these groups. Educational work among fishermen of the Maritimes under grant from Dept. of Fisheries. Short courses throughout Maritime Provinces. Leadership Course and Vacation School for Seminarians conducted at Antigonish. About 800 adults in 9 communities in industrial classes connected with the People's School programme. Specialists working on co-operative housing, land settlement and Labour education. Extension Library and film service. New Dir.: Rev. M. J. MacKinnon succeeded Msgr. M. M. Coady.

HONORARY DEGREES. *LL.D.*—A. J. A. Campbell, Boston, Mass., Clin. Prof. of Surg. at Tufts Med. Sch., Surgeon-in-chief, Boston City Hospital; G. O'Leary, Ott., Journalist, Vice-President, Assoc. Editor *Ottawa Journal*.

STUDENT NUMBERS.

| | *Part-Time* | *Full Time* |
|---|---|---|
| Men | 30 | 647 |
| Women | 93 | 141 |
| Total | 123 | 788 |

Postgraduate students, 29.
New admissions, 177.

DEGREES AWARDED. M.A., 1; B.A., 74; B.Com., 20; B.Sc., 46; B.Sc. Nursing, 2; B.Sc. Home Ec., 12; B.Ed., 14; M.S.W., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Engin., 32; Educn., 20; Social Leadership, 3.

[*Information compiled as at May* 1953.]

# SAINT JOSEPH'S UNIVERSITY

Founded 1864

*Postal Address*: New Brunswick, Canada.
*Telephone*: Dorchester Exchange 7-4.

PRESIDENT—Rev. CLÉMENT CORMIER, S.Th.L. Montr., LL.D. New Br., B.Sc.Soc. Laval.

VICE-PRESIDENT—Rev. MÉDARD-M. DAIGLE, B.A.

SECRETARY-GENERAL—Rev. ALBÉNI POITRAS, L.Sc. Laval.

GENERAL DEAN OF STUDIES—Rev. ALBÉNI POITRAS, L.Sc. Laval.

DEANS—*French*—Rev. MAURICE CHAMARD, LL.L. Paris; *English*—Rev. R. ROSSIGNOL, B.A.; *Latin*—Rev. LÉONARD GAUDET, LL.L. Montr.; *Mathematics*—Rev. A. POITRAS, L.Sc. Laval; *Commerce*—Rev. Br. L. TAILLON, M.A., B.Ed. New Br.; *Sciences*—Rev. J. B. CORMIER, L.Sc. Montr.

TREASURER—Br. J. N. MORIN, B.L., B.Ed. New Br.

LIBRARIAN—Br. OMER CORMIER.

## TEACHING STAFF

*Accounting*
Cadieux, J., L.Sc.Com. Montr. Prof.

*Biology*
Professor
Rossignol, Rev. R., B.A.

*Business Mathematics*
Taillon, Rev. Br. L., M.A., B.Ed. New Br. Prof.

*Chemistry*
Professors
Cormier, Rev. J. B., L.Sc. Montr.
Rossignol, Rev. R., B.A.

*Classics: Greek*
Prévost, Rev. P., B.A. Prof.

*Classics: Latin*
Professors
Gaudet, Rev. L., LL.L. Montr.
Baudry, Rev. R., LL.L. Montr.
Lauzon, Rev. R., B.A.
Landry, Rev. P., B.A.
Prévost, Rev. L., B.A.
Brown, Rev. J., B.A.
Picher, Rev. V., B.A.
Blanchard, Rev. T., B.A., S.Th.L. Montr.

*Commercial Law*
Cadieux, J., L.Sc.Com. Montr. Prof.

*Commercial Sciences*
Professors
Taillon, Rev. Br. L., M.A., B.Ed. New Br.
Cadieux, J., L.Sc.Com. Montr.
Young, A., L.Sc.Soc. Laval.
De Backer, J., L.Sc.Com. Louvain.

*Economics*
Young, A., L.Sc.Soc. Laval Prof.

*English*
Professors
Kingston, Rev. P., B.A.
Brown, Rev. J., B.A.

Rossignol, Rev. R., B.A.

*French*

Professors

Baudry, Rev. R., LL.L. Montr.
Gaudet, Rev. L., LL.L. Montr.
Chamard, Rev. M., LL.L. Paris.
Gaudet, Rev. R., B.A.
Picher, Rev. V., B.A.
Prévost, Rev. L., B.A.
Prévost, Rev. P., B.A.
Landry, Rev. P., B.A.
Morin, Rev. Br. J. N., B.L., B.Ed. New Br.
Letendre, Br. P. E.
LeBlanc, Rev. G., B.A.
Rivard, Rev. R., B.A.
Haché, A., B.A.

*Geology*

Rossignol, Rev. R., B.A. Prof.

*History*

Professors

Cormier, Rev. C., S.Th.L. Montr., LL.D. New Br., B.Sc.Soc. Laval.
Baudry, Rev. R., LL.L. Montr.
Gaudet, Rev. L., LL.L. Montr.
Chamard, Rev. M., LL.L. Paris.

*Insurance*

Savoie, C. F., M.A. Prof.

*Mathematics*

Professors

Poitras, Rev. A., L.Sc. Laval.
Rossignol, Rev. R., B.A.
Cormier, Rev. J. B., L.Sc. Montr.
Gaudet, Rev. Br. D., B.A.
Letendre, Rev. P. E.
Soucie, Rev. R., B.A.
LeBlanc, Rev. G., B.A.

*Music*

Professors

Brault, Rev. L., B.A. Montr.
Gaudet, Rev. Br. D., B.A.
Arsenaulte, P.

*Philosophy*

Professors

Kingston, Rev. P., B.A.
Brault, Rev. L., B.A. Montr.
Gallant, Rev. T., L.Th., L.Ph. Montr.

*Physics*

Professors

Poitras, Rev. A., L.Sc. Laval.
Desveaux, L.

*Religion*

Professors

Brault, Rev. L., B.A. Montr.
Landry, Rev. Z., B.A.
Desjardins, Rev. R. L., B.A., M.Ed. New Br.

*Statistics*

De Backer, J., L.Sc.Com. Louvain Prof.

**Agricultural School**

Gaudet, G., B.S.A. Laval Dir.

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.
Samson, R., B.S.A. Laval.
Robichaud, F., B.S.A. Laval.
Martin, A., B.S.A. Laval.
Chiasson, T., B.S.A. Laval.
Blanchard, F., B.S.A., M.Sc. Montr.
Chiasson, E., B.S.A. Laval.
Daigle, Rev. M.-M., B.A.
Dionne, A., B.A.
Goguen, A., B.A.
Maillet, U., B.A.
Boudreau, C., B.A.
Richard, R.
Pelletier, G.
Allen, Rev. D.
Gaudet, J. A.

**Summer School of Education**

Cormier, Rev. C., S.Th.L. Montr., LL.D. New Br., B.Sc.Soc. Laval Pres.

Daigle, Rev. M.-M., B.A. Vice-Pres.
Taillon, Rev. Br. L., M.A., B.Ed. New Br. Dir. of Studies.
Gaudet, Rev. L., LL.L. Montr. Asst. Dir. of Studies.
DeGrâce, J.-G., M.A. New Br. Sec.

Professors

Albert, H.-A., M.A. (Hist., French).
Baudry, Rev. R., LL.L. Montr. (French).
Sister Marie Jeanne d'Arc (Maths.).
Gauthier, A., D.Ped. (Supervision, Admin.).
Médéric, Rev. Br., B.A., B.Ed. (Lang.).
Michaud, M., M.A. Laval.
Stanislas, Rev. Br., M.A., B.Ed. (Methodol.).
Levasseur, R., L.Ped. Montr.
Cormier, Rev. J. B., L.Sc. Montr. (Sciences).
DeGrâce, J.-G., M.A. New Br. (Methodol.).
Robichaud, E., L.Ped. New Br.

## AFFILIATED INSTITUTIONS

COLLÈGE NOTRE-DAME D'ACADIE, 343 Archibald St., Moncton, N.B. (*Telephone*: 7034.) Superior—Rev. Mother Jeanne-de-Valois, Ed.D.

ASSUMPTION COLLEGE, 96 Ave. Norwood, Moncton, N.B. (*Telephone*: 4073.) Superior—Rev. A. LeBlanc.

MOREAU SEMINARY, Saint Joseph, N.B. (*Telephone*: Dorchester Exch. 35-32.) Superior—Rev. P. Kingston.

SAINT THOMAS SEMINARY, Saint Joseph, N.B. (*Telephone*: Dorchester Exch. 7-4.) Superior—Rev. L. Prévost.

SCHOOL OF HOME ECONOMICS, Saint Joseph, N.B. (*Telephone*: 38-13.) Superior—Rev. Mother M.-Albina.

## GENERAL INFORMATION

Founded in 1864, the institution was incorporated under the name of "The College of Saint Joseph," with the power to confer degrees, by an Act of the New Brunswick Legislature in 1868. In 1898, the original charter was amended, the name being changed to "The University of Saint Joseph's College." In 1906, Oxford Univ. admitted St. Joseph's Coll. to the privileges of the Statute of Colonial Universities. In 1928 the legal title was changed to "Saint Joseph's University." The University is conducted by the Fathers of Holy Cross. It is a bilingual institution (French and English-speaking).

LIBRARY, ETC. 40,000 vols. Museum: Natural Hist. and Acadian Hist. The Library, Museum and Archives, the first instn. of its kind organized for the benefit of the Acadian population, has specialized in, and contains valuable collections on, the Hist. of Acadia.

LABORATORIES. Chem., Phys., Biol.

DEPARTMENTS. High School level: Academic, Comm., Agricultural and Home Econ. Coll. level: Arts, Comm., Sci., Music, Home Econ.

ADMISSION. *See* Appendix I.

DEGREES. M.A., B.A., B.L., B.Sc., B.Sc.Com., B.M., B.Ed., B.Sc. in Home Econ. Courses in Arts, Scis., Comm., Music, Home Econ. leading to Bachelor's degree, cover 4 yrs. Bachelor's degree in Educn. awarded after postgrad. course of 1 yr. or equivalent.

COURSES OF STUDIES. Arts (leading to B.A. and M.A.); Sci. (leading to B.Sc.); Comm. (leading to B.Sc.Com.); Music (leading to B.M.); Home Econ. (leading to B.Sc. in Home Econ.); Educn. (leading to B.Ed.).

FEES. For tuition only: $127. For board, residence and tuition: $400 plus. Degrees: $5 to $20.

RESIDENCE. Accommodation for 500 male students.

## THE YEAR 1951–52

BENEFACTIONS. Provincial govt., $20,000; Federal govt., $30,000.

HONORARY DEGREES. *Ed.D.*—Rev. C. Foy, Quebec; Maurice LeBel, Univ. Laval, Quebec; C. H. Blakeny, Moncton, N.B.; Rev. Mother Jeanne-de-Valois, Superior, Collège Notre-Dame d'Acadie, Moncton; I. B. Rouse, Teachers' College, Fredericton, N.B. *Ph.D.*—Msgr. F. C. Ryan, pastor, Red Bank, N.B.; Rev. J. E. Dolan, pastor, Westfield, N.B.; Robert Picard, Consul, Halifax, N.S. *D.Sc.C.*—H. H. Melanson, Moncton, N.B.; J. L. Lévesque, Montreal, P.Q. *M.A.*—Rev. J. A. Richard, pastor, St.-Charles, N.B.; Rev. Ald. Melanson, pastor, Ste-Anne, N.B.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 18 | 523 |
| Women | 256 | .. |
| Total | 274 | 523 |

DEGREES. B.Ped., 7; B.A., 51; B.Sc., 1.

[*Information compiled as at* 10/6/53.]

# UNIVERSITY OF SASKATCHEWAN*

Founded 1907

*Postal Address*: Saskatoon, Saskatchewan, Canada.
*Telephone*: Saskatoon 10114.

VISITOR—The Hon. W. J. PATTERSON.

CHANCELLOR—F. HEDLEY AULD, M.B.E., LL.D.

CHAIRMAN OF GOVERNORS—ARTHUR MOXON, Q.C., B.A., B.C.L.

PRESIDENT AND VICE-CHANCELLOR—WALTER P. THOMPSON, B.A. Tor., M.A., Ph.D. Harv., D.Sc. Br. Col., F.R.S.C.

DEANS—*Agriculture*—V. E. GRAHAM, M.S., Ph.D. Wis., B.S.A.; *Arts and Science*—J. F. LEDDY, B.Litt., D.Phil. Oxon., M.A.; *Commerce*—T. H. MCLEOD, B.A. Brandon, A.M. Ind., M.P.A. Harv.; *Education*—C. E. SMITH, B.Sc. Lond., M.A., D.Pæd. Tor.; *Engineering*—I. M. FRASER, B.Sc. McG.; *Graduate Studies*—J. W. T. SPINKS, M.B.E., B.Sc., Ph.D. Lond., F.R.S.C.; *Household Science*—HOPE H. HUNT, B.A. Tor., M.Sc. Col., Ph.D. Minn.; *Law*—F. C. CRONKITE, Q.C., M.A., LL.B. Harv., LL.D. Br. Col.; *Medicine*—J. W. MACLEOD, O.B.E., B.Sc., M.D. McG.; *Pharmacy*—W. C. MACAULAY, M.Sc. Purdue, B.S.P.; *Regina College*—W. A. RIDDELL, B.A., B.Sc. Manit., Ph.D. Stanford, M.Sc.

REGISTRAR—N. K. CRAM, B.A., B.Ed.

BURSAR—D. J. GRAHAM.

LIBRARIAN—D. C. APPELT, M.A. Alta., A.B.L.S. Mich.

## TEACHING STAFF

*Accounting and Commerce*

McLeod, T. H., B.A. Brandon, A.M. Ind., M.P.A. Harv. Prof. and Dean.
Goodspeed, Georgia, B.Acc., M.B.A. Chic. Assoc. Prof.
Main, O. W., B.A. McM., M.A. Tor., Assoc. Prof.
Campbell, G. R. D., M.Comm. Tor., B.Comm. Asst. Prof.

*Agriculture*, v. *infra*

*Anatomy*

Jackson, J. L., M.A. Alta., M.B. Tor. Prof.
Altschul, A., M.U.Dr. Prague Prof.

*Art*

Snelgrove, G. W., M.A. Chic., Ph.D. Lond. Prof.
Bornstein, E., B.S. Milwaukee Asst. Prof.

*Bacteriology*

Rea, G. W., M.B., Ch.B., D.P.H. Belf., B.Bact. Lond. Prof.

*Biochemistry*

McArthur, C. S., B.A. W. Ont., M.Sc., Ph.D. Tor. Prof.
Woodford, V. R., B.S. Charleston, M.Sc. McG. Asst. Prof.

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

*Biology*

Professors

Rawson, D. S., Ph.D. Tor., F.R.S.C.
Vanterpool, T. C., M.Sc. McG.
Saunders, L. G., M.Sc. McG., Ph.D. Camb.
Rempel, J. G., Ph.D. Corn., M.Sc.
Arnason, T. J., Ph.D. Wis., M.Sc.

Associate Professor

Shaw, M., M.Sc., Ph.D. McG.

*Chemistry*

Professors

Spinks, J. W. T., M.B.E., B.Sc., Ph.D. Lond., F.R.S.C. Dean Grad. Studies.
Van Cleave, A. B., Ph.D. McG. and Camb., M.Sc.
McCallum, K. J., Ph.D. Col., M.Sc.

Associate Professors

Pepper, J. M., M.A. Br. Col., Ph.D. McG.
Cavers, S. D., M.A.Sc. Br. Col., Ph.D. Cal. Tech.

Assistant Professors

Eager, R. L., B.E., M.Sc. Sask., Ph.D. McG.
Trevoy, L. W., M.A. Sask., Ph.D. Chic.
Bardwell, J. A. E., B.A., M.Sc. W. Ont., Ph.D. McG., D.Phil. Oxon.
Walden, C. C., M.A.

*Classics*

Leddy, J. F., B.Litt., D.Phil. Oxon., M.A. Prof., Dean Fac. of Arts and Sci.
Ferguson, R. M., M.A. Dub. Prof.
Conacher, D. J., M.A. Qu., Ph.D. Chic. Assoc. Prof.

*Drama*

Jones, E. M., M.A. Alta. Prof.
Holroyd, F. Asst. Prof.

*Economics*

Professors

Britnell, G. E., M.A., Ph.D. Tor., B.A., F.R.S.C.
Fowke, V. C., Ph.D. Wash., M.A.
Timlin, Mabel F., Ph.D. Wash., B.A., F.R.S.C.

Associate Professors

Allely, J. S. M., B.A. Qu., A.M. Harv.
Reid, A. N., M.A. Qu.

Assistant Professors

Buckley, K. A. H., M.A. Tor., Ph.D. Lond., B.A.
Burns, Rev. F. L., M.A. W. Ont., Ph.D. Mich.

*Education*

Smith, C. E., B.Sc. Lond., M.A., D.Pæd. Tor. Prof. and Dean.
Toombs, M. P., M.A., M.Ed. Prof.

Associate Professors

Clark, S., B.A., M.Ed.
Deverell, A. F., B.A., B.Ed. Alta., Ed.D. Stanford.
Langley, G. J., Ph.D. Col., B.A., M.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.

Associate Professors

Bentley, J. A., M.A. Dal., Ph.D. Harv.
Blissett, W. F., B.A. Br. Col., M.A., Ph.D. Tor.
O'Donnell, Rev. J. L., M.A. Tor.
Smith, J. P., Ph.D. Calif., M.A.

Assistant Professor

Cherry, D. R., Ph.D. Tor., M.A.

*French*

Cameron, Margaret, M.A. McG. and Rad., D. de l'U. Paris Prof.

Mallon, Rev. J. P., M.A. Tor., D. de l'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. Prin., F.R.S.C. Prof.
Edmunds, F. H., M.Sc. Liv., F.G.S. Prof.
Byers, A. R., B.Sc., Ph.D. McG. Assoc. Prof.
Kupsch, W. O., M.Sc., Ph.D. Mich. Asst. Prof.

*German*

Anstensen, A., M.B.E., M.A., Ph.D. Col. Prof.
Gunvaldsen, K. M., M.A., Ph.D. Wis. Assoc. Prof.

*History*

Simpson, G. W., M.A. Tor., Ph.D. Munich, B.A. Prof.
Neatby, Hilda, Ph.D. Minn., M.A. Assoc. Prof.
Lightbody, C. W., M.A. Tor. and Oxon., Ph.D. Corn., B.A. Assoc. Prof.
Murray, Jean E., M.A. Tor., Ph.D. Chic., B.A. Asst. Prof.
Finn, Rev. R. W., M.A., L.M.S. Tor. Asst. Prof.

*Home Economics*

Hunt, Hope H., B.A. Tor., M.Sc. Col., Ph.D. Minn. Prof. and Dean.
Wilmot, Helen G., M.A. Chic. Assoc. Prof.
Davis, Lorna, M.A. Tor. Asst. Prof.
Rowles, Edith C., M.Sc. Wis., B.H.Sc. Asst. Prof.

*Law*

Cronkite, F. C., Q.C., M.A., LL.B. Harv., LL.D. Br. Col. Prof. and Dean.
Whitmore, E. F., Q.C., LL.B. Prof.
Schmitt, G. R., LL.M. Harv., B.A., LL.B. Assoc. Prof.
Cole, C. V., B.A. Mt. All., LL.B. Bost., LL.M. Harv. Asst. Prof.

*Mathematics*

Ferns, H. H., Ph.D. Tor., B.A. Prof.
Miller, C. E., M.A., Ph.D. Tor. Prof.
Scherk, P., Ph.D. Gött. Assoc. Prof.
McEown, A. C., B.Sc. Asst. Prof.

*Music*

Adaskin, M. Prof.

*Nursing*

Keeler, Hazel B., M.A. Col., B.A. Prof. and Dir. of Nursing Educn.
Lusted, Hester J. Asst. Prof.

*Pathology*

Moore, D. F., M.D., B.Sc. Tor. Prof.
Adams, J. W., M.D. Tor. Assoc. Prof.
Newell, J. E., M.D. Manit. Asst. Prof.

*Pharmacy*

MacAulay, W. C., M.Sc. Purdue, B.S.P. Prof. and Dean.
Jeffrey, J. G., B.S.P., M.Sc. Assoc. Prof.
Wood, J. A., M.S. Wash., B.S.P. Assoc. Prof.
Assistant Professor
Summers, J. L., M.C., M.S. Iowa, B.S.P.

*Philosophy*

Bateman, J. V., M.A. Dub., Ph.D. Edin. Prof.
Sullivan, Rev. B. F., M.A. Prof.
Paton, R., B.D. St. And., Ph.D. Edin., B.A. Assoc. Prof.
Corrigan, Rev. J. V., B.A. W. Ont., M.A. Tor. Asst. Prof.

*Physical Education*

Keefe, R. J., B.A. N.Y., Ed.D. Col. Assoc. Prof.
McLean, H. Joyce, B.P.H.E. Tor. Asst. Prof.

*Physics*

Professors

Currie, B. W., Ph.D. McG., M.Sc., F.R.S.C.

Haslam, R. N. H., Ph.D. McG., M.A.

Katz, L., M.A. Qu., Ph.D. Cal. Tech., F.R.S.C.

Johns, H. E., B.A. McM., M.A., Ph.D. Tor., F.R.S.C.

Assistant Professors

Hunten, D. N., B.A. W. Ont., Ph.D. McG.

Jones, A. V., M.Sc. N.Z., Ph.D. Camb.

*Physiology*

Jaques, L. B., M.A., Ph.D. Tor., F.R.S.C. Prof.

Millar, G. J., B.A., Ph.D. Tor. Assoc. Prof.

*Political Science*

Britnell, G. E., M.A., Ph.D. Tor., B.A. Prof.

Ward, N. M., B.A. McM., M.A., Ph.D. Tor. Assoc. Prof.

Burns, Rev. F. L., M.A. W. Ont., Ph.D. Mich. Asst. Prof.

*Psychology*

McMurray, G., M.A. Bishop's, Ph.D. McG. Assoc. Prof.

Rennie, R. A., B.A., B.Ed. Assoc. Prof.

Corrigan, Rev. J. V., B.A. W. Ont., M.A. Tor. Asst. Prof.

*Slavic Studies*

Andrusyshen, C. H., M.A. Manit., Ph.D. Tor. Assoc. Prof.

## Agriculture

*Animal Husbandry*

Ewen, A. H., M.A. Aberd., B.Sc. (Agr.) Edin. Prof.

Bell, J. M., B.S.A. Alta., M.Sc. McG., Ph.D. Corn. Assoc. Prof.

Howell, W. E., B.S.A. Tor., M.S. Wis. Asst. Prof.

*Bacteriology, Agric.*

Graham, V. E., M.S., Ph.D. Wis., B.S.A. Prof. and Dean.

*Dairy Science*

Gibson, D. L., B.S.A. Manit., M.Sc., Ph.D. Minn. Prof.

Myhr, A. N., M.S. Minn., B.S.A. Asst. Prof.

*Farm Management*

Van Vliet, H., M.Sc. Prof.

How, R. B., B.Sc. McG., M.S., Ph.D. Corn. Assoc. Prof.

*Field Husbandry*

Harrington, J. B., Ph.D. Minn., B.S.A. Prof.

Jenkins, B. C., M.Sc. Alta., Ph.D. Calif. Assoc. Prof.

Knott, D. R., B.S.A. Br. Col., M.S., Ph.D. Wis. Asst. Prof.

*Horticulture*

Patterson, C. F., B.S.A. Tor., Ph.D. Ill. Prof.

*Mechanics, Agric.*

Symes, O. L., B.A., B.E. Assoc. Prof.

*Plant Ecology*

Coupland, R. T., B.S.A. Manit., Ph.D. Neb. Assoc. Prof.

*Poultry Husbandry*

Rae, W. J., B.S.A. Manit., M.Sc. Wis. Prof.

O'Neil, J. B., M.S.A. Br. Col. Assoc. Prof.

*Soil Science*

Mitchell, J., Ph.D. Wis., B.S.A. Prof.

Hutcheon, W. L., B.S.A., M.Sc. Assoc. Prof.

Rennie, D. A., Ph.D. Corn., B.S.A. Asst. Prof.

*Veterinary Science*

Fulton, J. S., D.V.S. McKillop
Prof. and Director of Animal Diseases Lab.
Millar, J. L., B.V.S. Ont. Vet. Col. Assoc. Prof.

**Vocational Agriculture**

Baker, W. B., B.S.A.
Asst. Prof. and Dir.
Stilborn, A. A., B.A., B.S.A., B.Ed. Asst. Prof.

**Engineering**

*Agricultural E.*

Symes, O. L., B.A., B.E.
Assoc. Prof.

*Civil E.*

Spencer, R. A., M.C., M.Sc. McG.
Prof.
Douglas, A. H., B.E. Prof.
Forsberg, C. R., M.Sc.
Assoc. Prof.
Torchinsky, B. B., M.Sc. Alta.
Asst. Prof.
Riemer, P., B.E. Asst. Prof.

*Electrical E.*

Lovell, W. E., B.Sc. (E.E.) Manit.
Prof.
Michalenko, A., B.Sc. Manit., D.I.C. Lond. Assoc. Prof.
Ludwig, R. E., B.Sc. Manit., M.Sc. Purdue Asst. Prof.

*General E.*

Maksymiuk, D., B.Sc. Manit.
Asst. Prof.
Mann, O., M.S. Iowa, B.E.
Asst. Prof.

*Geological E.*

Mawdsley, J. B., B.Sc. McG., Ph.D. Prin., F.R.S.C. Prof.
Edmunds, F. H., M.Sc. Liv., F.G.S. Prof.
Byers, A. R., B.Sc., Ph.D. McG.
Assoc. Prof.
Kupsch, W. O., M.Sc., Ph.D. Mich. Asst. Prof.

*Mechanical E.*

Fraser, I. M., B.Sc. McG.
Prof. and Dean.
Staples, W. R., M.S. Ill., B.E.
Assoc. Prof.
Mantle, J. B., B.E., M.S. Ill.
Assoc. Prof.
Wedgwood, J. A., B.E. Asst. Prof.

**Extension**

Ramsay, R., M.S. Minn., B.S.A.
Prof. and Dir.
. . . . . Assoc. Prof.
Paul, L. C., Ph.D. Minn., M.Sc.
Assoc. Prof.
Robinson, D. R., B.S.A.
Asst. Prof.
Pattillo, Margaret, B.Sc. Acad.
Asst. Prof. and Dir. of Women's Work.

## ADMINISTRATIVE STAFF

Business Manager: J. P. Curror. Supt. of Bldgs.: W. J. Robson, B.Sc., M.A.Sc. Director of Correspondence Courses: D. D. Cameron, M.A., Ph.D. Domestic Supt.: Joan E. Warren, B.H.Sc. Alumni Sec.: F. Lovell, B.Comm.

### Regina College

*Postal Address*: Regina, Saskatchewan, Canada.

Dean—W. A. Riddell, B.A., B.Sc. Manit., Ph.D. Stanford, M.Sc.
Director of Conservatory—R. Watson.
Director of Fine Arts—K. C. Lochhead.

Academic Dept.—*Biol.*, G. F. Ledingham, Ph.D. Wis., M.Sc. *Chem.*,

The Dean; A. M. Kristhanson, Ph.D. McG., M.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., B.Ed. *French*, Margaret Belcher, M.A. Tor., B.A. *History*, W. R. Graham, B.A. Manit., M.A., Ph.D. Tor. *Maths.*, W. C. Blight, B.Sc. Manit. *Physics*, .....

ST. THOMAS MORE COLLEGE

*Postal Address*: Saskatoon, Saskatchewan, Canada.
*Telephone*: Saskatoon 6074.

Principal and Prof. of Philosophy—Rev. B. F. Sullivan, M.A. *Econ. and Pol. Sc.*, Rev. F. L. Burns, M.A. W. Ont., Ph.D. Mich., Asst. Prof. *English*, Rev. J. L. O'Donnell, M.A. W. Ont. *French*, Rev. P. Mallon, M.A. Tor., D. de l'Univ. Laval. *History*, Rev. R. W. Finn, M.A., L.M.S. Tor. *Psychol. and Philos.*, Rev. J. V. Corrigan, B.A. W. Ont., M.A. Tor., Asst. Prof. Adviser to Women, Mrs. Bernadine Bujila, M.A. Col., Ph.D. Mich., B.Ed.

## AFFILIATED COLLEGES, ETC.

EMMANUEL COLLEGE, Saskatoon (*Telephone*: Saskatoon 23066), estabId. 1879 for training Anglican clergy. Courses for Testamur, Lic.Th., B.D. Principal—Rev. R. S. Dean, B.D., M.Th., D.D.

ST. ANDREW'S COLLEGE, Saskatoon (*Telephone*: Saskatoon 23025), estabId. 1912, for training for the ministry of the United Church of Canada. Authorized to confer degrees in Divinity (B.D. and D.D.). Principal—Rev. J. B. Corston, M.A., Ph.D.

LUTHERAN COLLEGE AND SEMINARY, Saskatoon (*Telephone*: Saskatoon 97818), incorporated 1924, for training Lutheran clergy. Authorized to confer degrees in Theology (B.D.). Principal—Rev. E. J. Treusch, B.A., B.D., S.T.M.

LUTHER THEOLOGICAL SEMINARY, Saskatoon (*Telephone*: Saskatoon 92488), established 1939, for training of men for the Gospel Ministry in W. Canada. A 3-yr. course in Theology leading to the Candidate in Theology diploma, and with additional requirements, the Bachelor of Divinity degree. President—Rev. J. R. Lavik, M.A., D.D.

JUNIOR COLLEGES—Campion Coll., Regina; Sacred Heart Coll., Regina; St. Peter's Coll., Muenster; Luther Coll., Regina.

## 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 $9,700,000. The maintenance of the Univ. is partially provided for by assignments of revenue and legislative grants. The annual budget is about $2,700,000.

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, 126,000 vols. LABORATORIES: Chem., Phys., Biol., Bact., Anat., Physiol., Engin., Geol., Field Husbandry, Agric. Engin., Animal Diseases, Dairy, Soils, Horticulture. Farm (830 a.). Agric. Experimental Fields (450 a.). Special provision for research in the various branches of Agriculture. OBSERVATORY.

FACULTIES. Arts and Science, Agric., Law, Engin., Pharm., Med., Educn., Home Econ., Nursing, Graduate Studies, Commerce. *See also* p. 862.

DEGREE COURSES. B.A., B.Comm., 3 yrs., Hons. 4 yrs.; B.S.P. (Pharm.), B.S.A. (Agric.), B.E. (Engin.), B.S. H.Ec. (Home Ec.), B.Ed., 4 yrs.; LL.B., 3 yrs.; combined B.A. and B.Comm., 4 yrs.; combined B.A. and B.S.A., B.A. and LL.B., B.A. and B.E., 5 yrs.; B.S.N. (Nursing), 5 yrs.; B.Sc. (Med.), 5 yrs. This Univ. has the sole right to confer degrees (other than Theol.) in the Province.

HIGHER DEGREES. M.A., M.Sc., M.Ed.—examn. open to Bachelors of 1-yr. standing; Ph.D., minimum of 3 yrs. after B.A. (Hons.). Candidates must have taken some part of previous education at another Univ.

DIPLOMAS AND CERTIFICATES. A 1-yr. course in Arts, designed specially for Junior Colls., leads to the "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 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. Law—one year pre-law in Arts and Science. Medicine—at least two years' premedical course in Arts and Science. *See also* Appendix I.

ALUMNI ASSOCIATION. The central office is located at the Univ. with branches of the Association in most of the large cities across Canada. Official publication, *The Green and White*, published four times a year, and also other information bulletins which are forwarded to all members.

JOINT SERVICES UNIVERSITY TRAINING. Training for officers for the Armed Forces is provided through the University Naval Training Division, the University Contingent of the Canadian Officers' Training Corps and the Royal Canadian Air Force (Auxiliary) University Flight.

FEES. Tuition p.a. for degree course in Agric., $175; Engin., $250; Comm., $200; Educn., $175; Pharm., $225; Med., $350; Arts and Sci., $175; Graduate, $175; Home Econ., $175; Law, $200; Nursing, $175; School of Agric., $100.

SCHOLARSHIPS FOR GRADUATES. 4 Saskatchewan Govt. Res. Fellowships of $750 each; 2 I.O.D.E. Scholps., $2000 and $500; Consolidated Mining and Smelting Fellowship for grads. in Sci., Engin., or Agric., $750 plus $450 for equipment; National Res. Council Bursaries of $600, Scholps. of $900 and Fellowships of $1200 to qualified grads. in Biol., Chem., Engin., Geol., Metall., Mineral, Phys. and Maths.; Agric. Res. Foundation Scholp., $750; Benjamin J. Sanderson Fellowship (Econ.), $1600, 2 yrs. Athlone Fellowships for grads. in Engin.; Canadian Industries Ltd. Fellowship, $750 plus $250 for mainten-

ance ; Anon. Scholps., $500 each, in Agric., 1 for a woman grad. ; Thorvaldson Scholp., $500 for students in Chem. ; Saskatchewan approved Hatchery Assn. Scholp. (Poultry), $600.

RESIDENCE. Hostels for 170 men and 90 women. Men : Qu'Appelle Hall (*Telephone* : 10128) ; School of Agriculture (*Telephone* : 10119). Women : Saskatchewan Hall (*Telephone* : 10125). All residences are situated on the University campus. Board and room fees, $45 to $55 per month.

UNIVERSITY EXTENSION. Correspondence courses in Arts; Depts. of Agric. Extension and Women's Work provide lectures, demonstrations and short courses, including courses for rural boys and girls in agriculture and home-making. Also adult educn. courses and lecture courses at the Univ. for those not intending to read for a degree.

PUBLICATIONS. *Calendar* (April) ; *Agric. Bulletins* ; *Sheaf* ($1 per yr.) ; *President's Report* ; *Greystone* ($3·75 per yr.) ; *The Green and White.*

## THE YEAR 1951–52

BENEFACTIONS. Scholps., $66,225 ; research, $298,378 ; other purposes, $32,475 ; unrestricted, $180,000.

RETIREMENTS. W. S. Lindsay (Dean, Coll. of Med.) ; E. L. Harrington (Phys.) ; G. J. Verbeke (Engin.).

RESIGNATIONS. J. D. Macrae (Music) ; W. Petrie (Physics) ; J. S. Vigder (Maths.) ; W. V. Whatton (Asst. to Dean, Regina Coll).

DEATHS. A. Collingwood (Dean Emer. of Music) ; J. H. Thompson (Dean, Coll. of Commerce) ; J. G. Rayner (Extension) ; Alice Stevens (Extension).

HONORARY DEGREES. *LL.D.*—Father H. Carr (former Principal of St. Thomas More Coll.) ; T. Lax (former Deputy Provincial Treasurer) ; Rev. A. B. B. Moore (former Principal St. Andrew's Coll., President Victoria Univ.) ; W. J. F. Warren (farmer, Belbeck, Sask.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1380 | 1779 |
| Women | 2105 | 486 |
| Total | 3485 | 2265 |

Postgraduate students, 114.

New admissions (regular winter session students only), 512.

Students from other countries, 29. (Countries from which largest numbers came : U.S.A., 7 ; United Kingdom, 5 ; British West Indies, 3 ; India, 3.)

DEGREES. *Agric.* : B.S.A., 44 ; *Arts* : B.A., 224 ; *Comm.* : B.Comm., 37 ; *Educn.* : B.Ed., 102 ; *Engin.* : B.E., 105 ; *Household Sci.* : B.H.Sc., 14 ; *Laws* : LL.B., 33 ; *Nursing* : B.Sc. Med., 1 ; B.S.N., 11 ; *Pharm.* : B.S.P., 41 ; *Graduate* : M.A., 13 ; M.Sc., 39 ; Ph.D., 1 ; *Honorary* : LL.D., 4.

# SIR GEORGE WILLIAMS COLLEGE *

Founded 1929; incorporated 1948

*Postal Address*: 1441 Drummond Street, Montreal 25, P.Q., Canada.
*Telephone*: MA 8331.

PRINCIPAL—KENNETH EVERETTE NORRIS, M.A., Ph.D. McG.

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.) Assoc. Prof.

Lecturers

Atkinson, J. B.
Bloom, A., B.Sc.(Com.).
Briant, P. C., B.Com. McG.
Brimacombe, L.
Cohen, N., B.Com. McG.
Fallon, R. H., B.Com. McG.
Hendry, J.
Koch, S. W.
Rennie, J. H., B.Sc.(Com.).
Yates, J. H.
Young, J. A.

*Biology*

Honeyman, J. M., B.A. McG., A.M. Harv. Assoc. Prof.
Peets, D. L., B.Sc. McG. Asst. Prof.
Martin, Helen J., B.Sc., M.Sc. McG. Lectr.
Clayton, Blanche P., B.A., M.A. Col.

*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.
Francoeur, M., M.Sc. McG.
Glegg, R., B.Sc., Ph.D. McG.
Kushnarov, H., M.Sc. Manit.
Massiah, T., B.Sc.
Ralph, A. O., B.Sc., Ph.D. McG.
Schaffelburg, B. S., M.Sc. Acad.
Verschingel, R., B.Sc.
Yates, C. H., Ph.D. McG., B.Sc.

*Classics*

Worsfold, H. H., B.A. Camb. Assoc. Prof.

*Commerce*

Pugsley, P. T. R., B.A., B.Com. Assoc. Prof.

Lecturers

Archer, J. B., B.A., B.Sc.
Brown, L. J., M.A. Manit.
Chandler, H. W., B.Sc.(Com.).
Collard, E. G., B.A., B.C.L. McG.
Crawford, J.
Devlen, M. T., B.Com. Melb.

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

Ferguson, I. K., B.A. Tor.
Ferguson, J. R., B.Com., B.A.
Gardiner, J. M., B.Com.
Innes, W. D., B.Com.
Johnstone, D. W., B.Com.
MacLean, A.
Maurice, G. U., B.A. Ott., L.Sc. Soc. Montr.
McCann, J. A.
Metayer, T. J.
Mitchell, J.
Popp, Z. G., M.B.A. Chic.
Read, L. M., B.Eng. McG., B.A., B.Sc.
Reeve, J. M., B.Com. Manit., M.B.A. Chic.
Sarrasin, J. J.
Small, W. D., B.Comm. Qu.
Soden, J. A., B.C.L. McG.
Tamaki, G. F., B.A. Br. Col., LL.M. Tor.
Tetley, F. W.
Threlfall, M. S.
Todd, R. B., B.Eng. McG.
Tracey, E. L.
Walsh, A. M., B.A., B.C.L. McG.
Wilson, H. A., B.A. Tor.

*Draughting*

Rossaert, F. E. Lectr.
Thompson, W. A., B.Sc. Qu. Lectr.

*Economics*

Lermer, A., M.A. Tor. Prof.

Lecturers

Armstrong, D. E., B.A., B.Com. Alta.
Halford, C. R., B.Com.
Hollinger, M., M.A. McG., Ph.D. Penn.
Petros, D. S., B.Sc. Chic.
Scipio, S., B.A. Cracow, M.Com. Lwow.
Wiseman, Mrs. S., B.A., M.A. McG.

*Education*

Hamilton, L., M.A. McG. Lectr.
Morin, Renée, B.Sc. Lectr.

*English*

Wasserman, Mrs. R., M.A. McG., M.A. Rad., Ph.D. Corn. Assoc. Prof.
Compton, N., M.A. McG. Asst. Prof.
Francis, Mrs. W. P., B.A. Asst. Prof.
Waterston, Mrs. E., M.A. Bryn Mawr, B.A., Ph.D. Tor. Asst. Prof.

Lecturers

Sokolyk, Mrs. D. M., B.A.
Arthurs, A. D., B.Com. W. Ont.
Briggs, Mrs. R., B.A. Sask.
Callan, R. F., M.A. Bishop's.
Candib, A., B.A.
Gilmore, F. P., B.A., B.D. McG.
Hankinson, W. C., M.A. Acad.
Kneeland, S. F., B.A. McG.
Layton, I. P., B.Sc. (Agr.), M.A. McG.
Loiselle, Phyllis, B.A.
MacFarlane, D. B., B.A.
MacLean, Mrs. L. E., B.A. Tor., M.A. Smith.
Manson, N., B.A.
McGill, D., B.A. Tor.
Miller, Mrs. A., M.A. Tor.
Rennie, D. L., B.Sc.
Smith, Ruth, B.A. Qu.
Stoeckel, R. W.
Tobias, Rytsa, B.A.
Wrath, Mrs. B., B.A.

*Fine Arts* [Prof.

Clarke, D. B., M.A. McG., B.A.

Lecturers

McCorkindale, J.
Wheeler, O., B.A. Bishop's.
Adams, K. E., B.Sc.
Allen, Mrs. T. S.
Caiserman, Mrs. R., A.B. Parsons Sch. of Design.
Sherman, Mrs. L., M.A. N.Y., B.A.
Stewart, J., B.F.A. Chic.

*French*

Portier, J. M., M.A. McG. Asst. Prof.

Irwin, Norah F., M.A. McG. Lectr.

*Geography*

Clinch, H. A., M.A. McG. Lectr.
Monahan, R. L., B.A. Wash., M.A. Mich. Lectr.

*German*

Flore, R. F. Asst. Prof.

*Hebrew*

Wiseman, S., M.A. McG. Lectr.

*History*

Rothney, G. O., B.A. Bishop's, M.A., Ph.D. Lond. Prof.
McCullough, E. E., B.A. Qu. Asst. Prof.

*Humanities* [Prof.

Thompson, C. W., M.A. Oxon.
Gore, N. N., M.A. Prin., Ph.D. Edin. Lectr.

*Mathematics*

Assistant Professors

Smith, N. E., B.A. New Br., Ph.D. McG.
Sparling, C. C., B.A. Qu.
Vowles, Edna, B.Sc. Brist.

Lecturers

Zweig, J. P., M.A McG., B.Sc., B.Sc.(Com.).
Deathe, E. W., B.A. Dal.
Mamelak, J., M.Sc. McG., Ph.D. Pitt.
Reicher, H., M.Sc. M.I.T.
Schwartz, H. H., B.Eng. McG., S.M. M.I.T.
Storr, E., B.A. Oxon.

*Natural Sciences*

Hall, H. F., B.A. Eastern, L.R.E. Montr. Dioc. Theol. Coll. Prof.
Paterson, E. R., B.A. McG. Asst. Prof.

*Philosophy*

Fraser, W. R., B.A. Mt. All., M.A. Dal., B.D. U.T.C. Prof.

Lecturers

Angel, R. B., B.A. McG.
Kushner, Mrs. E., M.A. McG.
Lewis, H., B.A. McG.

*Physics*

Raudorf, W. R., Ph.D. Vienna Assoc. Prof.

Lecturers

Bordan, J., B.Eng., M.Sc. McG.
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., M.A. McG., B.A. Assoc. Prof.

Lecturers

Fraser, R. A., B.A.
Plunket, T., B.A.
Schwartz, D., B.A. Qu., B.C.L. McG., LL.M. Harv.

*Psychology*

Bridges, J. W., B.A. McG., M.A., Ph.D. Harv. Prof.

Lecturers

Smith, D. D., M.A. Minn., B.A.
Irvine, Mrs. L., M.A. McG.
Lambek, Mrs. H., B.A. McG.
Milner, Mrs. B., M.A. Camb., Ph.D. McG.
Sofin, Mrs. R., M.A. McG.

*Sociology*

Potter, H. H., M.A. McG. Asst. Prof.
Badgley, R. F., B.A. McG.
Cervinka, V., M.A. Vienna, Ph.D. Brussels and Prague Lectr.
Green, Florence, B.A. Tor. Lectr.
Kosa, J., Ph.D. Bud. Lectr.
Potter, C., M.Com. McG., B.Sc. (Com.) Lectr.
Vaz, E. W., B.A. McG. Lectr.

*Spanish*

Stegen, G. F., B.A. Lectr.
Torres, M. Lectr.

*Textiles*

Fitton, C. F. Lectr.
Robinson, J. I. Lectr.
Sheps, L. J., B.Sc. Manit., Ph.D. McG. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: R. A. Fraser, B.A. Asst. Dean: C. W. Thompson, M.A. Oxon. Student Counsellor: A. H. McFarlane, M.A. McG. 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 1952 some 1624 degrees had been presented. Throughout this period the College had been conducted under the terms of the charter of the Montreal Young Men's Christian Association (consolidation June 1888). In March 1948, however, the College was granted a specific charter by the Provincial Legislature, establishing it a body corporate and politic, for the purpose of conducting a College or University in the Province of Quebec. Its historic connexion with the Y.M.C.A. is preserved by by-law.

Similar courses are offered and the same standards are maintained in both day and evening divisions, although evening students are required to attend for a longer period to complete degree requirements.

FACULTIES. The facs. of Arts, Science and Commerce are closely integrated under the general supervision of the Dean of the Coll. To ensure a broad general basis to the educational programme of each faculty, the work of the College as a whole is further organized in four divisions, each supervised by a Sr. Prof.: Natural Science Division—Sr. Professor S. Madras; Social Science Division—Sr. Professor J. W. Bridges; Humanities Division—Sr. Professor C. W. Thompson; Commerce Division—Supervisor, Assoc. Prof. P. T. R. Pugsley.

ENTRANCE REQUIREMENTS. Satisfactory completion of a recognized secondary school programme; all students must have completed secondary school English, and prospective science students must have completed elementary algebra and plane geometry. Standing must be sufficiently better than mere " pass " to indicate ability for college work. Occasionally, mature students who have not completed secondary school are admitted conditionally, provided that various tests administered by the Coll. indicate that there is likelihood of their being able to follow college studies satisfactorily. *See also* Appendix I.

DEGREES AND DEGREE COURSES. 4 yrs., B.A., B.Sc., B.Com. (longer in the evening courses). No higher degrees are awarded. Attendance at lectures is required for all programmes.

DIPLOMAS. 2 yrs., Assoc. Arts, Assoc. Sc., Assoc. Com. (longer in the evening division). 4-yr. course for Dip. in Association Sc. for professional Y.M.C.A. Secretaryship.

FEES. Annually for tuition—Day Division: $225; plus $15 lab. fee for each course involving lab. work, $15 student society fee. Evening Division: $40 for each 8-month subject, $20 for each 4-month subject, plus $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. 25,906 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 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1899 | 601 |
| Women | 897 | 124 |
| Total | 2796 | 725 |

Postgraduate students, nil.

New admissions, 1328.

Students from other countries, 40. (Countries from which largest numbers came: British West Indies, 13; U.S.A., 10; Latin America, 7.)

DEGREES. B.A., 114; B.Sc., 80; B.Com., 98.

DIPLOMAS. Assoc. in Arts, 10; Assoc. in Sci., 5; Assoc. in Comm., 7; Association Sci., 4.

# UNIVERSITY OF TORONTO*

Founded 1827

with which are federated

VICTORIA UNIVERSITY, TORONTO,
THE UNIVERSITY OF TRINITY COLLEGE, TORONTO,
ST. MICHAEL'S COLLEGE, TORONTO, and
KNOX, WYCLIFFE and EMMANUEL COLLEGES.

*Postal Address* : Toronto, 5, Ont., Canada.
*Telephone* (Registrar's Office) : 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, Q.C., M.A., LL.D., D.C.L., F.R.S.C.

REGISTRAR—J. C. EVANS, B.A.

COMPTROLLER—A. G. RANKIN, B.Com.

BURSAR AND SECRETARY TO THE BOARD OF GOVERNORS—C. E. HIGGINBOTTOM, F.C.I.S.

LIBRARIAN—W. S. WALLACE, M.A., LL.D., F.R.S.C.

SUPERINTENDENT OF BUILDINGS AND GROUNDS—A. D. LE PAN, B.A.Sc.

CHIEF ACCOUNTANT—G. L. COURT, D.F.C., B.Com.

DIRECTOR OF UNIVERSITY EXTENSION—R. J. GILLEY, B.A.Sc.

DIRECTOR OF UNIVERSITY HEALTH SERVICE—G. E. WODEHOUSE, M.C., M.D., F.R.C.P.

ASSISTANT DIRECTOR OF UNIVERSITY HEALTH SERVICE (WOMEN)—FRANCES H. STEWART, B.A., M.D.

MANAGER OF THE UNIVERSITY OF TORONTO PRESS—A. G. RANKIN, B.Com.

*Note.*—In the following list the members of the staff in the Faculty of Arts are indicated thus :

| | |
|---|---|
| University College (C.). | Trinity College (T.). |
| Victoria College (V.). | St. Michael's College (M.). |

## TEACHING STAFF

*Accounting*, v. Political Economy

*Anthropology*

McIlwraith, T. F., M.A. Camb., F.R.S.C. Hd. of Dept. and Prof.

Brown, G. G., M.A., Ph.D. Assoc. Prof.

Carpenter, E. S., Ph.D. Penn. Asst. Prof.

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

Emerson, J. N., M.A. Asst. Prof.
1 Instr., 2 Assts.

*Archæology*, v. Art and Archæology

*Architecture*, v. *infra*

*Art and Archæology*

Brieger, P. H., Ph.D. Bres.
Hd. of Dept. and Prof.

Associate Professors

Comfort, C. F.
Brett, G., M.C., M.A. Oxon.
Graham, J. W., M.A. Acad., Ph.D. Johns H.

Assistant Professor

Vickers, G. S., B.A. McM., A.M. Harv.

Special Lecturers

Baldwin, L. C. M., B.A.Sc.
Brett, Mrs. Katharine B.
Fernald, Helen E., A.B. Mt. Holyoke.
Hall, J. A.
Haworth, P., D.F.C.
Needler, Winifred E., B.A.
Spendlove, F. St. G., Dip.Arch. Lond., F.R.S.A.

Lecturers

Baird, J. A., B.A. Oberlin, A.M., Ph.D. Harv.
Winter, F. E., B.A. McG.
Key, S. J., M.A.
2 Instrs., 1 Asst., 1 Reader.

*Astronomy*

Heard, J. F., B.A. W. Ont., M.A. McG., Ph.D. McG. and Lond.
Hd. of Dept., Professor and Dir. of Observ.
Williamson, R. E., A.M., Ph.D. Chic. Assoc. Prof.

Assistant Professor

Hogg, Mrs. Helen B. S., A.B. Mt. Holyoke, A.M., Ph.D. Rad., F.R.S.C.

Lecturers

Northcott, Ruth J., M.A.
Weston, E. B., B.A. Pomona, M.A. Mich.

*Biology*, v. Zoology

*Botany*

Sifton, H. B., M.A., Ph.D., F.R.S.C. (Ecology and Plant Morph.) Prof.
Duff, G. H., M.A., Ph.D., F.R.S.C. (Plant Physiol.) Prof.
Bailey, D. L., B.A. Qu., M.S., Ph.D. Minn., F.R.S.C. (Plant Pathol.) Prof.

Assistant Professors

Lehmann, A. J. V., M.Sc. Alta.
Bannan, M. W., B.A., Ph.D. F.R.S.C.
Forward, Dorothy F., Ph.D. Tor. and Camb., M.A.
Soper, J. H., M.A. McM., Ph.D. Harv.
Cain, R. F., M.A., Ph.D.
Rothfels, K. H., B.A., Ph.D.
White, L. T., M.A. W. Ont., B.Sc.F., Ph.D.

Lecturers

Hull, Kathleen L., M.A. McM., Ph.D. Chic.
Campbell, W. P., B.Sc. Alta.
15 Demrs.

*Chemistry*, v. also Appl. Sci. and Engin., Food Chem.

Gordon, A. R., O.B.E., M.A., Ph.D., F.R.S.C.
Hd. of Dept. and Prof.
Wright, G. F., M.B.E., B.Sc., Ph.D. Iowa State Coll. Prof.
Rogers, L. J., B.A.Sc., M.A. Prof.
Beamish, F. E., M.A. McM. Prof.
LeRoy, D. J., M.A., Ph.D., F.R.S.C. Prof.

Associate Professors

Lorriman, F. R., B.E.M., M.A., Ph.D.
Wetmore, F. E. W., B.Sc. New Br., M.A., Ph.D.

McIntosh, R. L., M.B.E., B.A., M.Sc. Dal., Ph.D. McG., F.R.S.C.

Assistant Professors

Rae, J. J., B.A. McM., M.A., Ph.D., F.C.I.C.
McBryde, W. A. E., Ph.D. Virginia, M.A.
McCasland, G. E., A.B. Calif., A.M. Col., Ph.D. Cal. Tech.
Lister, M. W., M.A., D.Phil. Oxon.
25 Demrs.

*Chinese Studies*, v. *infra*, East Asiatic Studies

*Classics*

Getty, R. J., B.A. Belf., M.A. Camb.
Hd. of Dept. and Prof. (C.).
Dale, E. A., M.A. Oxon.
Prof. (C. and T.).
Tait, M. D. C., M.A. Oxon. (Greek)
Prof. (C.).
Bagnani, G., D. Litt. Rome (Classics) Assoc. Prof. (C.).
Wallace, W. P., B.A. Oxon., Ph.D. Johns H., B.A. Assoc. Prof.

Assistant Professor (C.)

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., M.A. Camb.
Norwood, Mrs. F. M. H., Ph.D. Wis., M.A.
Woodside, M. St. A., M.A. Oxon., B.A. (Anc. Hist.)
Dean of Arts and Sp. Lectr. (C.).
Bennett, H., Ph.D. Chic., B.A. (Latin) Prof. (V.).
Robertson, H. G., Ph.D. Chic., B.A. (Greek)
Chairman of Dept. and Prof. (V.).
Robson, D. O., M.A., Ph.D. (Latin) Assoc. Prof. (V.).
Keyes, G. L., Ph.D. Prin., M.A.
Asst. Prof. (V.).
Grant, J. R., A.M., Ph.D Harv., B.A. Asst. Prof. (V.).
Grube, G. M. A., M.A. Camb., F.R.S.C.
Hd. of Dept. and Prof. (T.).
Adams, S. M., M.A. (Greek)
Prof. (T.).
White, Mary E., M.A. Oxon.
Assoc. Prof. (T.).
Scrivin, J. W., M.A. Camb.
Asst. Prof.
Cole, J. W., M.A. Oxon. Lectr. (T.).
O'Toole, Rev. W. B., M.A.
Hd. of Dept. and Latin Prof. (M.).
Muckle, Rev. J. T., M.A. C.U.A., Litt.D. W. Ont., F.R.S.C.
Prof. (M.).
Kennedy, Rev. V. L., L. ès L. Stras., Arch.D. Rome, M.A.
Prof. (M.).
O'Donnell, Rev. J. R., M.A., Ph.D.
Prof.
Flahiff, Rev. G. B., Dip. de l'É. des Ch. Paris, B.A. Prof.

Associate Professors (M.)

St. John, Sister M., M.A.
St. Stanislaus, Sister M., M.A.
Wey, Rev. J. C., M.A.

Lecturers (M.)

Blandina, Sister M., M.A.
Sheridan, Rev. J., M.A., Ph.D. Harv.
McNeil, Rev. D. J. J., M.A.
Vahey, Rev. T. J., M.A.

*Dentistry*, v. *infra*

*East Asiatic Studies*

Dobson, W. A. C. H., M.A. Oxon.
Hd. of Dept. and Prof.
Walmsley, L. C., B.A., D.Pæd.
Assoc. Prof.
Fernald, Helen E., A.B. Mt. Holyoke Asst. Prof.

Shih, C. C., B.A. Peiping, B.D. Hartford, M.A., Ph.D. Chic. Asst. Prof.
1 Instr., 1 Asst.

*Economics*, v. Polit. Econ.

*Education*, v. *infra*, Ontario Coll. of Education

*Embryology*, v. Zool.

*Engineering*, v. *infra*

*English*

Woodhouse, A. S. P., A.M. Harv., D.Litt. Acad., B.A., F.R.S.C. Hd. of Dept. and Prof. (C.).
Knox, R. S., M.A. Aberd., B.A. Oxon. Prof. (C.).
Endicott, N. J., B.Litt. Oxon., B.A. Oxon. and Tor. Prof. (C.).
MacGillivray, J. R., Ph.D. Harv., M.A. Prof. (C.).
Wilson, H. S., B.A. Dal., A.M., Ph.D. Harv. Assoc. Prof. (C.).
Priestley, F. E. L., M.A. Alta., Ph.D. Assoc. Prof. (C.).
Grant, W. D. B., M.A., D.Phil. Oxon. Assoc. Prof. (C.).
Bissell, C. T., Ph.D. Corn., M.A. Assoc. Prof. (C.).
Dunn, C. W., B.A. McM., A.M., Ph.D. Harv. Asst. Prof.

Lecturers (C.)

McDougall, R. L., B.A. Br. Col., M.A., Ph.D.
Rhodes, E., M.A. Lond.
Knowland, A. S., M.A. Oxon.
Cotter, G., M.A., Ph.D.
Harris, R. S., M.A.
Baxter, J. S., B.A. Br. Col.
Frye, H. N., M.A. Oxon., B.A., F.R.S.C. Prof. (V.).
MacLean, K., B.A., Ph.D. Yale Prof. (V.).
Coburn, Kathleen H., B.Litt. Oxon., M.A., F.R.S.L. Assoc. Prof. (V.).
Jenking, Ruth I., M.A. Asst. Prof.
Love, C. C., M.A. Camb., Ph.D. Asst. Prof. (V.).

Lecturers (V.)

Knight, D. J., M.A.
Pratt, E. J., C.M.G., M.A., Ph.D. Tor., Litt.D. Man., McG., LL.D. Qu., D.C.L. Bishop's, F.R.S.C. Sp. Lectr.
Robins, J. D., Ph.D. Chic., M.A. Sp. Lectr.
Barker, A. E., Ph.D. Lond., M.A. Hd. of Dept. and Prof. (T.).
Child, P. A., B.A. Tor. and Camb., A.M., Ph.D. Harv. Prof. (T.).
Kirkwood, Mrs. Mossie M., M.A., Ph.D. Assoc. Prof. (T.).
Roper, G. H., M.A., Ph.D. Chic. Assoc. Prof. (T.).
Wilson, M. T., M.A. Lectr. (T.).
Shook, Very Rev. L. K., M.A. Tor. and Harv., Ph.D. Harv. Hd. of Dept., Prof. (M.).
McCorkell, Very Rev. E. J., M.A. C.U.A., LL.D. Ott., B.A. Prof. (M.).
McLuhan, H. M., M.A. Manit. and Camb., Ph.D. Camb. Prof. (M.).

Lecturers (M.)

Dominica, Sister M., M.A.
St. Francis, Sister M., M.A.
Dorsey, Rev. J., M.A. C.U.A., B.A.
Mallon, Rev. H. V., M.A. Mich., B.A.
Boniface, Sister M., B.A.
Geraldine, Sister M., M.A.
Platt, Rev. W., M.A.
Madden, Rev. J. F., M.A., Ph.D.
11 Teaching Fellows (C.) and 2 (T.), 3 Instrs. (C.), and 1 Instr. (V.), 2 Readers (V.).

*Fine Art*, v. Art

*Food Chemistry*

Smith, M. Doreen, M.A., Ph.D. Prof.
Walker, E. Isabel, M.A. Asst. Prof.

Butterfield, Mrs. Jean R., M.A. Lectr.
Parker, W. E., B.Sc. Acad., M.Sc., Ph.D. McG. Spec. Lectr.
2 Instrs., 1 Asst., 1 Demr.

*Forestry*

Sisam, J. W. B., B.Sc.F. New Br., M.F. Yale Dean and Prof.
Dwight, T. W., M.F. Yale, B.Sc.F. Prof.
Love, D. V., B.Sc.F. New Br., M.F. Mich. Assoc. Prof.
Hosie, R. C., B.Sc.F., M.A. Prof.
Michell, A. S., M.F. Duke, B.Sc.F. Asst. Prof.
Hall, A. D., B.Sc.F. Lectr.
Armson, K. A., B.Sc.F. Lectr.
2 Instrs.

*French*

Jeanneret, F. C. A., D. ès L. Laval, B.A., O.A. Hd. of Dept. and Prof. (C.).
Rouillard, C. D., A.B. Bowdoin. A.M., Ph.D. Harv. Prof. (C.).
Humphreys, H. L., B.A. Mich., M.A. Prin., Ph.D. Col. Prof. (C.).
Finch, R. D. C., B.A. Prof. (C.).
McAndrew, W. J., M.A. Assoc. Prof. (C.).
Joliat, E. A., B.A. McG., D. de l'U. Paris Assoc. Prof. (C.).
Hayne, D. M., M.A., Ph.D. Ott., B.A. Asst. Prof.
de Montmollin, D. P., L. ès L. Neuchâtel Asst. Prof. (V.).
Parsons, C. R., M.A. McG. Asst. Prof.

Lecturers (C.)

Balthazard, Isabelle G., M.A., O.A.
MacDonald, Marguerite D., Dip. de l'U. Paris.
Sanouillet, M., L. ès L., Dip. d'É.S. Paris.
Trethewey, W. H., Ph.D. Chic., M.A. Chairman of Dept. and Prof. (V.).
Wood, J. S., B.A. Lond., M.A. Birm., D. de l'U. Paris Prof.
Hare, F. A., M.A. Assoc. Prof. (V.).
Rièse, Laure, Dip. d'É. Sup. Neuchâtel, M.A., Ph.D. Assoc. Prof. (V.).
Laidlaw, G. N., B.A. Mt. All., M.A. Oxon., Ph.D. Col., F.R.S.A. Assoc. Prof.
Cook, Alta L., B.A. Asst. Prof.
Ross, A. C. M., M.A. McM. Asst. Prof.
Rathé, C. E., M.A. Lectr. (V.).
Rogers, W. S., M.A. Col., B.A. Actg. Hd. of Dept., Prof. (T.).
Hicks, R. K., B.A. Camb., A.M. Harv. Prof. (T.).
Kennett, W. T. E., B.A. Br. Col., M.A., Ph.D. Prin. Assoc. Prof. (T.).
Ruddock, W. J., M.A. Qu., B.A. Asst. Prof. (T.).
Jackson, Mrs. A. L. Lectr. (T.).
Jackson, G. D., B.A. Manit., M.A. Lectr. (T.).
Bondy, Rev. L. J., M.A. Chic., Ph.D. Johns H., D. ès L. Montr., B.A. Hd. of Dept. and Prof. (M.).
Denomy, Rev. A. J., B.A. W. Ont., Ph.D. Harv., M.A. Harv. and Tor., F.R.S.C. Prof. (M.).
Bernard, Sister M., M.A. Assoc. Prof.
Klem, Rev. L. J., Ph.D. Laval, M.A. Assoc. Prof.
Olga, Sister M., M.A. Assoc. Prof.

Lecturers

Marie-Thérèse, Sister, M.A., Ph.D.
St.-Magdalen, Sister M., M.A.
Corinne, Sister M., Ph.D. Laval, M.A.
Young, Rev. W. J., M.A.

2 Teaching Fellows (C.), 1 Instr. (C.), 1 Fellow (V.), 1 Oral Instr. (V.).

*Genetics*, v. Zoology

*Geography*

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., Ph.D. Asst. Prof.
Spelt, J., M.A. Wis., drs. Utrecht.
Wonders, W. C., M.A. Syracuse, B.A., Ph.D.
Potvin, G., B.A. Sac. Heart, L. ès L. Laval.
Tayyeb, A., M.A. Aligarh.
Wonders, Mrs. Lillian J., B.A. Wash., M.A. Syracuse.
3 Teaching Fellows, 1 Cartographer, 4 Assts.

*Geological Sciences*

Langford, G. B., Ph.D. Corn., B.A.Sc., F.R.S.C. (Mining Geol.) Hd. of Dept. and Prof.
MacLean, A., B.A. (Geol.) Prof.
Fritz, Madeleine A., B.A. McG., M.A., Ph.D., F.R.S.C. (Palæontol.).

Associate Professors

Moorhouse, W. W., Ph.D. Col., M.A. (Geol.).
Meen, V. B., M.A., Ph.D. (Mineralogy).

Assistant Professors

Smith, F. G., M.Sc. Manit., Ph.D.
Nuffield, E. W., B.A. Br. Col., Ph.D.
Beales, F. W., M.A. Camb., Ph.D.

Lecturers

Tovell, W. M., M.S. Cal. Tech., B.A.
Gorman, B. H., B.Sc. New Br.
Peach, P. A., B.Sc. Edin., M.A., Ph.D.
16 Assts., 2 Instrs.

*Geophysics*

Wilson, J. T., O.B.E., B.A. Tor., M.A. Camb., Ph.D. Prin., F.R.S.C. Prof.

*German*

Fairley, B., M.A., Litt.D. Leeds, Ph.D. Jena, F.R.S.C. Hd. of Dept. and Prof. (C.).
Boeschenstein, H., Ph.D. Rostock Prof. (C.).
Milnes, H. N., Ph.D. Ohio State, M.A. Asst. Prof. (C.).
Sinden, Margaret J., B.A., Ph.D. Asst. Prof. (C.).

Lecturers (C.)

Braun, W., M.A.
Nicholls, R. A., B.A. Oxon.
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. (T.).
Toews, V. K., B.A. Manit. Lectr. (T.).
1 Instr. (V.).

*History*

Professors

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., LL.D. Br. Col., B.A., F.R.S.C.
Wilkinson, B., M.A., Ph.D. Manc.
Creighton, D. G., M.A. Oxon., LL.D. New Br., B.A., F.R.S.C.
McDougall, D. J., M.A. Oxon., B.A.
Saunders, R. M., M.A. Clark, Ph.D. Corn. Assoc. Prof.

Assistant Professors

Careless, J. M. S., A.M., Ph.D. Harv., B.A.
Turner, A. C., M.A. Glas. and Oxon., B.Litt. Oxon., Ph.D. Calif.
Conacher, J. B., M.A. Qu., Ph.D. Harv.
Paterson, G. C., M.A. Sp. Lectr.
Powicke, M. R., M.A. Oxon.

Lecturers

Piepenburg, W. W., M.Sc. Wis., Ph.D. Camb.
Craig, G. M., Ph.D. Minn.
Nelson, H. I., M.A. Corn., B.A.
Spencer, R. A., B.A. McG., D.Phil. Oxon., M.A.
Zaslow, M., B.A., B.Ed. Alta., M.A.
Cairns, J. C., Ph.D. Corn., M.A.
4 Assts., 1 Reader.

*History, Ancient*, v. Classics

*Household Science*

Currant, Jessie R., M.Sc. Manit., B.A.
Assoc. Prof. and Actg. Hd. of Dept.

Lecturers

Coatsworth, Helen R., M.A.
McKellar, Margaret R., M.A.
Smith, Mrs. Enid H., M.S. Col., B.A.
Crewson, Miss A., B.Sc. Manit.
McComiskey, Mrs. A. J., B.A. Sp. Lectr.
Robertson, Elizabeth C., B.A., M.D., Ph.D.
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.
Cano, J., A.B. Tol., A.M., Ph.D. Col. Prof.
Patterson, G. C., M.C., B.A. Prof.
Parker, J. H., M.A., Ph.D. 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, K. L., M.A.
Marin, D., LL.B. Madrid, B.A. Lond.
Leo, U., Ph.D. Gött. Sp. Lectr.
Ukas, M. W., M.A.
3 Instrs., 1 Teaching Fellow, 2 Assts.

*Law*

Wright, C. A., Q.C., B.A., LL.D. Br. Col. and West., S.J.D. Harv. Dean Sch. Law.
Finkelman, J., Q.C., M.A., LL.B. Prof.
Friedmann, W. G., LL.D. Lond., Dr.Jur. Berl., LL.M. Melb. Prof.
Laskin, B., LL.M. Harv., M.A., LL.B. Prof.
La Brie, F. E., B.A., LL.B. Alta., LL.M., D.Jur. Assoc. Prof.
Milner, J. B., LL.B. Dal., LL.M. Harv. Assoc. Prof.
Kilgour, D. G., LL.M. Harv., B.A. Asst. Prof.
Mackay, R. S., LL.M. Col. Asst. Prof.

Special Lecturers

Auld, F. C., Q.C., B.A. McG., M.A., B.C.L. Oxon.
Grossberg, B., Q.C.
McLean, W. E., Q.C., B.A., LL.B. Manit.
Maloney, A. E. M., B.A.
Fox, H. G., M.A., B.C.L. King's Coll., Windsor, B.A., Ph.D., LL.D., Litt.D.
Rogers, W. P., B.A.
Nelligan, J. P., B.A.
13 Demrs., 4 Assocs.

*Library Science*, v. *infra*, Ontario Coll. of Education

*Mathematics*

Professors

Pounder, I. R., Ph.D. Chic., M.A. Chairman of Dept.
Webber, W. J., B.A. Camb.
Coxeter, H. S. M., B.A., Ph.D. Camb., F.R.S., F.R.S.C.
Sheppard, N. E., M.A., F.I.A.

Associate Professors

Robinson, D. A. F., Ph.D. Chic., M.A.
Burk, J. D., B.A.
Robinson, G. de B., M.B.E., Ph.D. Camb., B.A., F.R.S.C.
Griffith, B. A., M.A., Ph.D.
Jacobs, J. A., M.A., Ph.D. Lond., F.R.A.S.
Robinson, A., M.Sc. Jerusalem, Ph.D. Lond.

Assistant Professors

Krieger, C. Cecilia, M.A., Ph.D.
Baillie, D. C., M.A.
Fraser, D. A. S., A.M., Ph.D. Prin., M.A.
Crosby, W. J. R., M.A., Ph.D.
Tutte, W. T., M.A., M.Sc., Ph.D. Camb.
Coleman, A. J., M.A. Prin., B.A., Ph.D.
Stanton, R. G., B.A. West., M.A., Ph.D.
Lorentz, G., Ph.D. Leningrad and Tübingen.

Lecturers

Steketee, J. A., Wi Delft Technical Univ.
Dirac, G. A., M.A., Ph.D. Camb.
Duff, G. F. D., Ph.D. Prin., M.A.

Special Lecturers

De Lury, D. B., M.A., Ph.D.
Reid, D. B. W., M.A. McG., M.Sc. Virginia Polytech. Inst.
5 Teaching Fellows, 2 Assts., 1 Instr.

*Medicine and Surgery*, v. *infra*

*Metallurgy*, v. Engin.

*Mineralogy*, v. Geological Sciences

*Music*, v. *infra*, and Ontario Coll. of Education

*Nursing*, v. *infra*

*Oriental Languages*

Winnett, F. V., M.A., Ph.D. Hd. of Dept. and Prof. (C.).
McCullough, W. S., M.A., B.D., Ph.D. Prof. (C.).
Williams, Rev. R. J., Ph.D. Chic., M.A., B.D. Asst. Prof. (C.).
Staples, W. E., M.A., Ph.D. Hd. of Dept. and Prof. (V.).
MacPherson, Rev. J., M.A. McG., B.D. Montr. Asst. Prof. (V.).
Newby, Rev. M. T., M.A. Hd. of Dept. of Oriental Lang. and Hist., Prof.
De Catanzaro, Rev. C. J., B.A. K.C.N.S., M.A. Dal., B.D. Trin. Asst. Prof. (T.).
Wevers, J. W., B.A., B.D. Calvin, Th.D. Prin. Asst. Prof.
Cosgrave, Rev. F. H., M.A. Dub., D.D. Vic., LL.D. Qu., McM., Tor., D.C.L. Bishop's Sp. Lectr.

*Philosophy*

Anderson, F. H., B.A. Dal., M.A., Ph.D., F.R.S.C. Hd. of Dept. and Prof.
Goudge, T. A., M.A. Dal., Ph.D. Prof.
McCurdy, W. J., B.A. Dal., A.M., Ph.D. Harv. Assoc. Prof.

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.
Wand, B., B.A. Qu., M.A. Corn.
Irving, J. A., M.A. Tor. and Camb.
Chairman of Dept. and Prof. (V.).
Leslie, Rev. C. W., Ph.D. Harv., B.D., M.A. Prof. (V.).
Macpherson, Jessie, M.A., Ph.D. Assoc. Prof. (V.).
Edison, G., M.A. Col., Ph.D. Hd. of Dept. and Prof. (T.).
Owen, Rev. D. R. G., M.A. Oxon., B.A., Ph.D. Assoc. Prof. (T.).
Fairweather, Rev. E. R., Th.D. U.T.S., M.A., B.D. Assoc. Prof.
Moranetz, B., B.A. West., M.A. Lectr. (T.).
Kelly, Rev. J. M., M.A., Ph.D. Hd. of Dept., Prof. (M.).
Gilson, E., D. ès L. Paris, LL.D. Aberd., Harv. and St. And., Ph.D. Montr., Rome and Milan, D.Litt. Oxon. 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. Assoc. Prof. (M.).
Phelan, Rev. G. B., M.A. St. F.X., S.J.B. C.U.A., Ph.D. Louvain, LL.D. Dub. and Tor., F.R.S.C.
MacDonald, Rev. R., M.A., Ph.D. Asst. Prof. (M.).
Miller, Rev. R. G., 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.
Corrigan, Rev. J. V., B.A.
Fehr, Rev. R. C., M.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.
Barnes, C., M.Sc. Leeds, Ph.D. Prof.

Associate Professors

Ainslie, D. S., M.A., Ph.D.
Anderson, J. M., M.A., Ph.D.
McKay, R. W., M.A., Ph.D.
Welsh, H. L., M.A., Ph.D., F.R.S.C.
Atkins, K. R., M.A., Ph.D. Camb.

Assistant Professors

Allin, Elizabeth J., M.A., Ph.D.
Crossley, Kathleen M., B.A.
Quinlan, Florence M., M.A., Ph.D.
Richmond, R., M.A., Ph.D.
Gotlieb, C. C., M.A., Ph.D.
Scott, G. D., M.A., Ph.D.
Ivey, D. G., M.A. Br. Col., Ph.D. Notre Dame.
Preston, M. A., Ph.D. Birm., M.A.
Hume, J. N. P., M.A., Ph.D.
Hallett, A. C. H., Ph.D. Camb., B.A.

Lecturer

O'Brien, P. N. S., M.Sc. Lond.

Special Lecturer

Thomson, A., O.B.E., M.A., F.R.S.C.

20 Demrs., 1 Instr.

*Political Economy*

Professors

Ashley, C. A., B.Com. Birm., F.C.A.

Bladen, V. W., M.A. Oxon., F.R.S.C.
Dir., Inst. Business Administration.
Brady, A., B.A. Tor. and Oxon., M.A., Ph.D., F.R.S.C.
Dawson, R. MacG., M.A., LL.D. Dal., A.M. Harv., D.Sc. Lond., F.R.S.C.
Elliott, G. A., M.A. Manit., F.R.S.C.
Graham, T. C., M.B.E., B.A.Sc.
Logan, H. A., B.A. Acad., A.B. Yale, Ph.D. Chic., F.R.S.C.

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.
Macpherson, C. B., M.Sc. (Econ.) Lond., B.A.
Toombs, F. C., Ph.B. Chic. (Business Admin.).

Assistant Professors
Helleiner, K. F. M., Ph.D. Vienna.
Beard, F. N., B.Com.
Hood, W. C., B.A. Mt. All., M.A., Ph.D.
Sim, R. A., M.A. Col.
Sawatsky, J. C., B.A. Manit., M.A., Ph.D. (Business Admin.).
Taylor, M. G., M.A., Ph.D. Calif.
Thomson, W. S., M.A. Camb., M.Com. (Business Admin.).

Lecturers
Fleming, R. H., B.Com.
Wallace, Mary E., B.A. Oxon. and Tor., Ph.D. Col.
Burnet, Jean R., Ph.D. Chic., M.A.
McRae, K. D., A.M. Harv.
Thompson, R. W., M.A. Qu.
Bain, G. F., B.Com.
Riemersma, J. C., Chem.E. Delft, M.A. Calif.
Ryder, N. B., B.A. McM., A.M., Ph.D. Prin., M.A.
Zakuta, L., M.A. McG.
Wolfe, J. N., M.A. McG.
Triantis, S., B.A., LL.B. Athens, M.A.
Stykolt, S., M.A. Harv., B.A. (Business Admin.).
Eayrs, J. G., M.A. Col., B.A.
Livingstone, K. C., M.A.Sc. (Business Admin.).
O'Connell, M. P., B.A. Qu., M.A.
Owen, C. F., M.A. Oxon.

Special Lecturers (Business Admin.)
Andreae, H. C., B.A., M.Com.
Ballon, E. M., B.A. McG., M.B.A. Harv.
Brady, M. D., M.A. Penn., B.A.
Gillespie, A. W., B.A. Oxon.
Irwin, D. D., B.A. Manit.
Joyner, R. C., M.A.
Laskin, B., LL.M. Harv., M.A., LL.B.
Line, W., O.B.E., B.Sc. Mt. All., M.A., M.Ed. Alta., Ph.D. Lond.
McIntyre, J. A., B.A. W. Ont.
Waisglass, H. J., B.Com., M.A.
5 Instrs., 6 Assts.

*Portuguese*, v. Italian

*Psychology*

Professors
Bott, E. A., O.B.E., B.A.
Hd. of Dept.
Blatz, W. E., Ph.D. Chic., M.A., M.B.
Dir. Inst. Child Study.
Bernhardt, K. S., Ph.D. Chic., M.A.

Line, W., O.B.E., B.Sc. Mt. All., M.A., M.Ed. Alta., Ph.D. Lond.
Myers, C. R., M.A., Ph.D.
Williams, D. C., B.A. Manit., M.A., Ph.D.
Ketchum, J. D., M.A.

Associate Professor
Bovard, E. W., M.A. Col., Ph.D. Mich.

Assistant Professors
Shephard, A. H., M.A., Ph.D. Iowa.
Steer, H. O., M.A., Ph.D.

Lecturers
Wright, M. W., B.A. Manit., M.A., Ph.D.
Joyner, R. C., M.A.
Fowler, H. M., B.A. McG., Ed.D. Harv. Sp. Lectr.
Millichamp, Dorothy A., M.A. Sp. Lectr.
Jackson, R. W. B., B.A. Alta., Ph.D. Lond.
Porter, Mrs. H., M.A.
Quarrington, B. A., M.A. Qu., B.A.
1 Demr., 1 Teaching Fellow, 28 Assts., 3 Instrs.

*Religious Knowledge*, v. *infra*, Federated Colls.

*Russian*, v. Slavic Studies

*Slavic Studies*
Shore, B. E., B.A. McM., A.M. Harv.
Chairman of Dept. and Assoc. Prof.
Luckyj, G., M.A. Birm. Sp. Lectr.
Skendi, S., B.S. Turkey, Ph.D. Col. Sp. Lectr.

*Social Science*, v. Pol. Econ. and School of Social Work

*Spanish*, v. Italian

*Zoology*

Professors
Dymond, J. R., O.B.E., D.Sc. Br. Col., M.A., F.R.S.C. (Syst. Zool.) Hd. of Dept.
Huntsman, A. G., B.A., M.D., F.R.S.C. (Marine Biol.).
Coventry, A. F., B.A. Oxon. (Vert. 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.).
Fritz, Madeleine A., B.A. McG., Ph.D., F.R.S.C. (Palæontol.).

Associate Professors
Walker, Mrs. Norma Ford, B.A., Ph.D. (Human Biol.).
Fisher, K. C., B.A. Acad., M.A., Ph.D., F.R.S.C.
Fry, F. E. J., M.B.E., M.A., Ph.D., F.R.S.C. (Limnology).
Ide, F. P., M.A., Ph.D.
Langford, R. R., B.Sc. Sask., Ph.D.

Assistant Professors
Atwood, C. E., B.S.A. McG., M.S.A., Ph.D. (Forest Entomol.).
Butler, L., M.S.A., Ph.D. (Genetics).
Engelbert, Miss Vibeke E., M.S.A., Ph.D. (Histol.).
Urquhart, F. A., M.A., Ph.D.

Lecturers
Neal, G. M., M.A. Br. Col.
Sullivan, Charlotte M., M.Sc. Dal., Ph.D.
Falls, J. B., B.A.
Lawrie, A. H., M.A.
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., C.E. 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.
McIntyre, R. B., B.A. Camb., B.A.Sc.
3 Instrs., 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.
Breckenridge, J. G., Ph.D. Camb., B.A.Sc. Prof.

Associate Professors

Corbett, P. M., B.S. Ill., M.S. Penn. State Coll.
Brockett, C. P., B.Sc. M.I.T.

Assistant Professors

MacElhinney, W. G., M.A.Sc.
Graydon, W. F., Ph.D. Minn., M.A.Sc.
Calderbank, P. H., B.Sc., Ph.D. Lond.
Johnson, A. I., M.Ch.E. Brooklyn, B.A.Sc., Ph.D.
Delaporte, A. V., B.A.Sc. Chem.E. Sp. Lectr.
May, Z. Lectr.
5 Instrs., 22 Demrs.

*Civil E., Municipal and Struct.*

Loudon, T. R., V.D., B.A.Sc., C.E. Hd. of Dept. and Prof.

Associate Professors

Morrison, C. F., B.E. Sask., M.Sc. McG.
Sagar, W. L., B.A.Sc., C.E.
Huggins, M. W., M.A.Sc.
Helwig, C. E., M.A.Sc. Asst. Prof.

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.
Walkinshaw, W. M., M.A.Sc.
2 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.
..... Prof.
Macklin, H. L., B.A.Sc. Asst. Prof.
..... Sp. Lectr.

Lecturers

Carr, W. H., B.A.Sc.
Haynes, B. J., B.A.Sc.

*Electrical E.*

Professors

Tracy, G. F., S.M. M.I.T., B.A.Sc. Hd. of Dept.
Smith, V. G., B.A.Sc.

Associate Professors

Reid, J. E., B.A.Sc.
Sinclair, G., Ph.D. Ohio State.
Lauchland, L. S., M.A.Sc.
Ham, I. M., S.M., Sc.D. M.I.T., B.A.Sc.

Lecturers

Courtice, H. A., B.A.Sc.
Creedy, F., B.Sc. Lond. Sp. Lectr.
Doeringer, C. E., M.B.E., B.A.Sc.
Kravetz, A. J., B.Sc. Alta., M.A.Sc.
Walker, R. L., M.S. Yale.
3 Instrs., 11 Demrs., 4 Readers.

*Engineering Business*

Special Lecturers

Grant, R. R., Dip. App. Sc., F.C.A.

Miller, W. O. C., B.A.Sc.
Asst. Prof.

*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.
Wrenshall, C. A., B.E. Sask.
Asst. Prof.
Stinson, W. G., B.Sc. Qu. Lectr.
Frizzle, H. R., B.Sc. N.S.T.C.

Special Lecturers

Fisken, A. D., M.C.P.Eng.
Walker, A. W., M.A.
13 Instrs.

*Mechanical E.*

Allcut, E. A., M.Sc. Birm., M.E.
Hd. of Dept. and Prof.
McIntosh, W. G., B.A.Sc. Prof.
Lord, G. R., S.M. M.I.T., B.A.Sc., Ph.D. Prof.

Associate Professors

Wiren, R. C., B.A.Sc.
Smith, I. W., M.A.Sc.

Assistant Professors

Ewens, F. G., M.A.Sc.
Jones, L. E., B.Sc., C.E. Manit., M.A.Sc., Ph.D.
Hughes, P. B., B.Sc. McG.
Wallace, W. A., B.A.Sc.

Lecturers

Huber, D. G., M.A.Sc.
Waines, R. T., B.A.Sc.
Hooper, F. C., B.A.Sc.
Vickers, J. M. F., B.Sc. Birm., M.A.Sc.
Moore, N. P. W., B.Sc. Lond.
King, R. O., M.A.Sc. McG.
Sp. Lectr.
3 Instrs., 19 Demrs.

*Metallurgical E.*

Pidgeon, L. M., B.A. Manit., B.Sc. Oxon., Ph.D. McG.
Hd. of Dept. and Prof.
Chalmers, B., D.Sc., Ph.D. Lond.
Prof.
.....
Assoc. Prof.
Ross, H. U., B.Eng., M.Sc. McG.
Asst. Prof.
Winegard, W. C., M.A.Sc., Ph.D.
Lectr.
1 Demr.

*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 Professor

Henderson, V. L., A.M. Mich., B.A.Sc.

Lecturers

Friend, F. B., B.A. McM., M.A. Rochester.
Klawe, J. J., M.A. Glas.
Bird, J. R., B.A.Sc., M.A.
Macpherson, P. A., M.A.Sc.
8 Instrs.

## Architecture

Madill, H. H., O.B.E., V.D., B.A.Sc.
Dir. of School and Prof.
Arthur, E. R., M.A., B.Arch. Liv., F.R.I.B.A., F.R.S.A. Prof.
Raymore, W. G., B.Arch.
Assoc. Prof.

Assistant Professors

Carswell, W. E., B.Arch.
Barker, R. J. K., B.Arch.
Murray, J. A., B.Arch.
Adamson, A. P. C., M.A. Camb.
Kent, S. R., B.Arch.

Lecturers

Fliess, H., B.Arch.
McBain, W. J., B.Arch.

Robb, G. A., B.Arch.
Hall, J. A.
Bach, M., Dip. Eng. Arch. Berl., Arch. Sweden.
Elken, A., Dip. Eng. Arch. Munich and Helsinki.
Bagnall, W. A., B.A. Mich., M.S. Ill.
Scherrer, E. C., M.A., F.R.I B.A.
3 Instrs.

**Dentistry**

*Crown and Bridge Prosthesis*

..... Prof.

*Dental Anatomy*

Ham, A. W., M.B., F.R.S.C. Prof.
Paynter, K. J., D.D.S. Asst. Prof.

*Dental Bibliography*

Johnson, J. H., D.D S. Librarian.

*Dental Material and Technology*

Fletcher, J. R., D.D.S. Asst. Prof.

*Dental Pathology and Bacteriology*

Cameron, G. C., M.D., F.R.C.P. Can. Prof.

*Dental Praxis*

Secord, W. E., A.B. Chic. Spec. Lectr.

*Dental Public Health*

Mitton, G. T., D.D.S., D.D.P.H. Hd. of Dept., Assoc. Prof.

*Dental Research*

Macdonald, J. B., M.S. Ill., D.D.S. Asst. Prof. and Chairman.

*Dental Surgery and Anæsthesia*

Johnson, J. H., D.D.S. Prof.
Gray, Jessie C., M.D., M.S., F.R.C.S.Can. Assoc. Prof.

*Dentistry*

Ross, W. L., D.D.S. Prof. and Dir. of Clinics.
Woollatt, R. S., D.D.S. Prof.
Hunter, H. A., D.D.S. Assoc. Prof.
Tanner, D. M., M.B.E., D.D.S., B.Sc. (Dent.) Assoc. Prof.
Yule, O. J., B.D.S. N.Z., D.D.S. Asst. Prof.
Diprose, R. E., D.D.S. Asst. Prof.
Martin, F., D.D.S., F.I.C.D. Asst. Prof.

Special Lecturers

Ash, C. L., B.Sc. Alta., M.D., D.Rad.
Botterell, E. H., O.B.E., M.D. Manit., M.S., F.R.C.S.Can.
Gordon, S. D., M.B., M.S., F.R.C.S.Can., F.A.C.S.
Linghorne, W. J., D.D.S.
Moses, C. H., D.D.S., M.Sc. (Dent.).
Mustard, R. A., B.A., M.D., F.R.C.S.Can.
Ireland, P. E., M.D.
Pepper, J. B., D.D.S.

*Medicine*

Graham, J. W., M.D., D.D.S., F.R.C.P.Can. Assoc. Prof.

*Operative Dentistry*

Ellis, R. G., B.D.S. Adel., D.D.S., M.Sc. (Dent.), F.D.S.R.C.S. 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.
Purves, J. D., D.D.S. Asst. Prof.

*Orthodontics*

Moyers, R. E., 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., F.I.C.D. Asst. Prof.

*Periodontology*

Box, H. K., D.D.S., Ph.D., F.D.S. Research Prof.
Williams, C. H. M., D.D.S., B.Sc. (Dent.) Assoc. Prof. (Pt.-time).
McIntosh, W. G., D.D.S. Asst. Prof.

*Preventive Dentistry*

Professors

Cox, M. A., M.B.
Kreutzer, J., D.D.S., B.Sc. (Dent.).

*Prosthodontia*

Godfrey, R. J., D.D.S., M.Sc. (Dent.) Hd. of Dept., Prof.
Cole, F. L., D.D.S. Assoc. Prof.
Downton, E. P., D.D.S. Assoc. Prof.

*Radiography*

Moser, J. E., D.D.S. Assoc. Prof.
Rockman, M. N., D.D.S., B.Sc. (Dent.) Asst. Prof.
41 Assocs., 2 Sp. Lectrs., 19 Demrs.

## Medicine

MacFarlane, J. A., O.B.E., B.A., LL.D. Sask., M.B., Hon. M.D. Laval, F.R.C.S. Eng., Edin. and Can. Dean.

*Anæsthesia*

Campbell, S. M., M.B. Assoc. Prof.

*Anatomy*, v. also Biol.

Professors

Grant, J. C. B., M.C., M.B., Ch.B., F.R.C.S.Ed. Hd. of Dept.
Watt, J. C., M.A., M.D.
Cates, H. A., M.B.
Ham, A. W., M.B., F.R.S.C.
Smith, C. G., B.A., M.Sc. W. Ont., M.D., Ph.D.
Bensley, Mrs. Silvia H., B.A. Mt. Holyoke, M.D. Chic. Assoc. Prof.
Duckworth, J. W. A., Ch.B., M.D. Edin. Assoc. Prof.
Basmajian, J. V., M.D. Asst. Prof.

Lecturer

McMurrich, Kathleen I.
13 Demrs., 1 Sr. Demr.

*Art as Applied to Medicine*

Wishart, Maria T. Dir. and Asst. Prof.
1 Fellow, 2 Instrs.

*Bacteriology*, v. Pathology

*Biochemistry*

Wynne, A. M., M.A. Qu., Ph.D., F.R.S.C. Hd. of Dept. and Prof.
Butler, G. C., B.A., Ph.D. Prof.
Hanes, C. S., Ph.D., Sc.D. Camb., B.A., F.R.S. Prof.
Crocker, B. F., M.A., Ph.D. Assoc. Prof.
Fisher, Mrs. Jeanne M., M.A., Ph.D. Asst. Prof.
6 Fellows.

*Gynæcology*, v. Obstetrics

*Humanities in Medicine*

Grube, G. M. A., M.A. Camb., F.R.S.C. Sp. Lectr.
Wasteneys, H., Ph.D. Col., F.R.S.C. Sp. Lectr.

*Hygiene and Preventive Med.*, v. also *infra*, Sch. of Hygiene

Fraser, D. T., M.C., B.A., M.B., D.P.H., F.R.S.C. Hd. of Dept. and Prof.
Brown, M. H., O.B.E., M.D., B.Sc. (Med.), D.P.H. Prof.
Fraser, Frieda H., B.A., M.B. Prof.
Wishart, F. O., M.A., M.D., D.P.H. Prof.
Wilson, R. J., M.A. Br. Col., M.D., D.P.H. Asst. Prof.

Lecturers

Clarkson, Elizabeth M. R., M.A. Glas.

Goulding, A. M., M.D. Harv., B.A., D.P.H.
Siebenmann, C. O., Chem.E. Zür., D.Ing. Karls.
Farrell, Leone N., M.A., Ph.D.
2 Fellows.

*Medical Jurisprudence*

Lecturers

Gray, K. G., Q.C., M.D., B.Sc. (Med.).
Stock, V. F., M.C., V.D., B.A., M.D., F.R.C.P.Can.

*Medical Research (Banting–Best Med. Res. Dept.)*

Professors

Best, C. H., C.B.E., D.Sc. Lond., Oxon., Paris and Chic., Sc.D. Camb., M.D. Amst., Louvain, Liége and Tor., LL.D. Dal. and Qu., M.A., F.R.S., F.R.S.C., F.R.C.P. Can. Dir.
Franks, W. R., O.B.E., M.A., M.B.
Lucas, C. C., M.A.Sc. Br. Col., Ph.D.
Hartroft, W. S., M.D., B.Sc. (Med.) Alta., Ph.D.
Baer, E. E. F. T., Ph.D. Berl. (Synthetic Chem.).

Associate Professors

Chute, A. L., O.B.E., Ph.D. Lond., M.A., M.D., F.R.C.P.Can.
Sellers, E. A., M.D. Manit., Ph.D.
Wrenshall, G. A., M.Sc. Sask., Ph.D. Yale and Tor., M.A.

Lecturer

Ridout, Jessie H., M.A., Ph.D.
8 Research Associates, 15 Research Assts., 1 Fellow.

*Medicine*

Farquharson, R. F., M.B.E., M.B., D.Sc. Br. Col., F.R.C.P. Lond. and Can.
Hd. of Dept. and Prof.

Associate Professors

Wightman, K. J. R., M.D., F.R.C.P.Can., F.A.C.P.
Brooks, E. F. J., M.D., F.R.C.P. Can.
Campbell, W. R., M.A., M.D., F.R.S.C., F.R.C.P.Can.
Owen, T., M.B., F.R.C.P. Lond. and Can.
Brown, W. H., B.A. Sask., M.A., D.M. Oxon., F.R.C.P. Lond. and Can., F.A.C.P.
Hyland, H. H., M.D., F.R.C.P. Lond. and Can.
Dixon, H. A., M.D., F.R.C.P.Can.
Maltby, E. J., M.B., M.A., F.R.C.P. Can.
Rykert, H. E., M.D., F.R.C.P. Can., F.A.C.P.
Dickson, R. C., O.B.E., M.D., F.R.C.P.Can., F.A.C.P.

Assistant Professors

Graham, J. W., M.D., D.D.S., F.R.C.P.Can.
Macdonald, R. I., M.D., C.M. Dal., B.A., M.D., F.R.C.P.Can.
Richardson, J. C., M.B.E., M.D., B.Sc. (Med.), F.R.C.P.Can.
Wrong, N. M., M.D.
Kerwin, A. J., M.D. Lond., F.R.C.P.Can.
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.
Purdy, A. D. T., M.B.
Asst. Prof.

Associate Professors

Armstrong, L. T., M.B.
Cosbie, W. G., M.C., M.B., F.R.C.O.G., F.R.C.S.Can.
Low, D. M., M.B., F.R.C.S.Can., F.R.C.O.G.
Dafoe, W. A., M.D., F.R.C.O.G., F.R.C.S.Can. Asst. Prof.
Henderson, D. N., M.B., F.R.C.S. Can. Asst. Prof.
Johnston, H. W., M.D., F.R.C.S. Ed. and Can. Asst. Prof.

Noonan, W. T., M.B., D.G.O. Dub., F.R.C.P.I.
Assoc. Prof.
10 Associates, 9 Clinical Teachers.

*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., M.D., D.O.M.S. Lond.
Hd. of Dept. and Prof.

Assistant Professors

MacDonald, A. E., M.D., D.O.M.S., F.R.C.S.Can.
Morgan, A. L., M.D.
4 Associates, 6 Clinical Teachers, 4 Fellows.

*Oto-Laryngology*

Ireland, P. E., M.D., F.R.C.S.Can.
Hd. of Dept. and Prof.

Assistant Professor

McCart, H. W. D., M.B.
3 Associates, 10 Clinical Teachers, 4 Fellows.

*Pædiatrics*

Chute, A. L., O.B.E., Ph.D. Lond., F.R.C.P.Can., M.A., M.D.
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.
Snelling, C. E., M.B.
12 Clin. Teachers, 1 Res. Assoc.

*Pathological Chemistry*

Dauphinee, J. A., O.B.E., M.A. Br. Col., M.D., Ph.D., F.R.C.P. Can. Hd. of Dept. and Prof.
Nicholson, T. F., M.B., B.Sc. (Med.), Ph.D. Assoc. Prof.
Gornall, A. G., B.A. Mt. All., Ph.D. Assoc. Prof.
3 Demrs., 6 Fellows, 1 Assoc.

*Pathology and Bacteriology*

Hamilton, J. D., M.D.
Hd. of Dept. of Pathol. and Prof.
Greey, P. H., M.D., B.Sc. (Med.) (Bact.)
Hd. of Dept. of Bacteriol. and Prof.
Linell, E. A., M.D. Manc. (Neuropath.) Prof.
Barrie, H. J., B.M., B.Ch. Oxon. Prof.
Tom, Mary I., B.A., M.D. (Neuropathol.) Asst. Prof.
McLean, C. R., M.Sc. McG., M.D., C.M. Qu. Asst. Prof.
Donohue, W. L., M.A., M.D. Asst. Prof.

Lecturers

Hawks, G. H., M.D.
Brown, T. C., M.D.
Ritchie, R. C., M.D.
3 Associates, 5 Demrs., 4 Fellows, 1 Sr. Fellow.

*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. Asst. Prof.
Baxter, R. M., B.S.P. Sask., M.S., Ph.D. Florida, Phm.B. Asst. Prof.
Paul, W., B.A., Ph.D. Asst. Prof.
Kalow, W., M.D. Koenigsberg Lectr.
Martin, E. J., M.D. Prague Lectr.
5 Fellows, 4 Assts.

*Physiology*

Professors

Best, C. H., C.B.E., D.Sc. Lond., Oxon., Paris and Chic., Sc.D. Camb., M.D. Amst., Louvain, Liége and Tor., LL.D. Dal. and Qu., M.A., F.R.S., F.R.S.C., F.R.C.P.Can. Hd. of Dept.

Solandt, D. Y., Ph.D. Lond., M.A., M.D., D.P.H., F.R.S.C.

Haist, R. E., M.A., M.D., Ph.D.

Sellers, E. A., M.D. Manit., Ph.D.

Associate Professors

Markowitz, J., M.B.E., M.S. in Exp. Surg. Minn., M.B., Ph.D. Pt.-time Assoc. Prof.

Campbell, J., M.A., Ph.D.

Assistant Professors

Fidlar, E., B.A., M.D.

Clarke, D. W., M.Sc. Alta., Ph.D. Cal. Tech.

Lecturers

Ashworth, M. A., M.D., B.Sc. (Med.).

Casselman, W. G. B., M.A. Br. Col., M.D.

Feasby, W. R., B.A., M.D.

Scott, J. W., M.A., M.D.

Rappaport, A. M., M.D. Prague, Ph.D.

1 Research Associate, 11 Research Assts., 5 Fellows.

*Psychiatry*

Stokes, A. B., C.B.E., M.A., B.M., B.Ch. Oxon., D.C.H., D.P.M., F.R.C.P.Can. Hd. of Dept. and Prof.

Dewan, J. G., B.A., M.D. W. Ont., Ph.D. Camb., D.P.M. Lond., M.A., D.Psych. Assoc. Prof.

Gray, K. G., Q.C., M.D., B.Sc. (Med.) Assoc. Prof.

Assistant Professor

Jackson, Mary V., M.D.

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*Radiology*

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Hall, M. M. R., M.D. Asst. Prof.

Ash, C. L., B.Sc. Alta., M.D., D.Rad. Asst. Prof.

4 Associates, 4 Clinical Teachers.

*Surgery*

Janes, R. M., M.B., F.R.C.S.Can., F.A.C.S. Hd. of Dept. and Prof.

Associate Professors

Laird, R. C., B.A. Qu., M.D., M.S., F.R.C.S. Can. and Eng.

Lewis, F. I., M.B., F.R.C.S. Ed. and Can.

Welsh, W. K., O.B.E., M.B., F.R.C.S. Eng. and Can.

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McDonald, J. L., M.B., F.R.C.S. Can.

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Mitchell, D. R., B.A., M.D., M.S., F.R.C.S. Eng. and Can.

Wansbrough, R. M., M.B.

Assistant Professors

Couch, J. H., M.A., M.D., F.R.C.S. Ed. and Can.

Aberhart, C., M.D., M.S.

Farmer, A. W., M.D.

Botterell, E. H., O.B.E., M.D. Manit., M.S., F.R.C.S.Can.

Harris, C. W., B.A., M.B., F.R.C.S. Eng. and Can.

Gordon, S. D., M.B., M.S., F.R.C.S.Can., F.A.C.S.

Dewar, F. P., M.D.

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*Therapeutics*

Wightman, K. J. R., M.D., F.R.C.P.Can., F.A.C.P. Hd. of Dept. and Assoc. Prof.

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Fraser, D. T., M.C., B.A., M.B., D.P.H., F.R.S.C. Assoc. Dir.

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Parker, R. C., B.A. Acad., Ph.D. Yale (Experim. Cytol.) Prof.

Rhodes, A. J., M.D., F.R.C.P. Ed. (Virus Infections) Prof.

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Solandt, D. Y., Ph.D. Lond., M.A., M.D., D.P.H., F.R.S.C. (Physiol. Hyg.) Hd. of Dept. and Prof.

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Taylor, Edith M., O.B.E., M.A., Ph.D.

MacIntyre, D. M., B.A. Sask., Dip. P.A. West., Dip. H.A. (Hosp. Admin.).

Beaton, J. R., M.A., Ph.D. (Pub. Health Nutrition).

Freeman, R. S., B.S., M.A., Ph.D. Minn. (Parasitol.).

Swanson, A. L., B.A. Br. Col., M.D., C.M. McG., M.H.A. Northwestern (Hosp. Admin.).

Special Lecturers

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Brown, W. G., M.D., D.P.H.

Currey, D. V., M.D., D.P.H.

Jackson, F. W., M.D. Manit., D.P.H.

Edge, G. A., D.V.M., D.V.P.H.

Puffer, D. S., B.A., M.B., D.P.H.

Sellers, A. H., B.A., M.D., D.P.H.

Struthers, R. G., M.D., D.P.H.

Moss, G. W. O., M.D., D.P.H.

Taylor, M. G., M.A., Ph.D. Calif.

Elkerton, L. E., M.D., D.P.H.

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Orr, M. D., O.B.E., B.A. Asst. Dir.
Brown, M. H., O.B.E., M.D., B.Sc. (Med.), D.P.H. Asst. Dir.
Allen, K. E., B.A. Comptroller.
Boyd, I. W., M.Sc. Qu. Supt.
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Loughlin, G. F., D.Mus. Durh., F.R.C.O. Assoc. Prof.

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Johnston, A. R., B.Mus. Northwestern, M.Mus., Ph.D. Rochester (School Music).
Rosevear, R. A., A.B. Corn., M.Mus. Rochester (School Music).
Ridout, G. Lectr.

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Emory, Florence H. M. Assoc. Dir. of Sch. and Assoc. Prof.

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Wilson, M. Jean, B.A. Sask., B.Pæd.
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Nelson, Dorothy K., B.S. Col.
Bennett, Hilda A., M.A. Chic., B.A.
Carpenter, Helen M., B.S. Col., M.P.H. Johns H.

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Tresidder, Marion I., B.Sc.N.
Greenslade, Myra J., B.Sc.N.
Watson, Jeannette E., B.Sc.N. W. Ont.

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McCutcheon, J. E. Asst. Prof. and Asst. Dir.

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Oswald, Kathleen, M.S.
Simpson, Nancy E., M.A. Col., B.P.H.E.
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Klein, A. F., B.S.S. Brooklyn Coll., M.S. N.Y. Sch. of S.W., LL.B. Brooklyn Law Sch.
Choate, Reba E., M.A. Chic.
Rose, A., M.A., Ph.D. Ill., B.A.

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Rhinewine, Miss S., M.S.W. Penn., B.A.
Teicher, M. I., B.S.S. N.Y., M.S.W. Penn.
Godfrey, Ray, M.A. Chic., B.A.

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Maloney, A. E. M., B.A.
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Phillips, C. E., B.A., D.Pæd. (Educn.) Prof.

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St. John, Helen B., M.A. (Mod. Langs.)
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Dean, Charlotte R., M.A., Col., B.A. (Home Econ.) Prof.

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Croal, A. G., M.A. Qu., D.Pæd. (Sc.).
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Passmore, J. H., B.A. McM., B.P.H.E. (Phys. and Health Educn.).
McGuire, H. A., B.A. Qu., B.Pæd. (Educn.)
Supervisor of Practice Teaching.
Petrie, P. A., B.A., B.Pæd. (Maths.).
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Dir. of Vocat. Training and Indus. Arts and Crafts.
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Tait, G. E., B.A. W. Ont., B.Pæd. (Elem. Educn.).

Assistant Professors
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Tacon, P. H., B.Pæd., M.A. (Art).
Seggie, A. P., B.A.

Lecturers
Dickin, Helen E., B.H.Sc., B.Pæd.
King, H. A., B.A.Sc. (Vocational Subjs.).
McLachlan, A. T.
Spry, J. C., B.S.A.
Apperley, G. S.
Rideout, E. B., B.A. Mt. All.
Luther, G. T. H.
1 Asst., 1 Instr.

*Educational Research*

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Jackson, R. W. B., B.A. Alta., Ph.D. Lond. Asst. Dir. and Prof.
Fowler, H. M., B.A. McG., Ed.D. Harv. Assoc. Prof.
Pitt, C. C., B.A. Qu., M.A. Col., B.Pæd. Assoc. Prof.
Hobday, Kathleen M., M.A. Lectr.

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Bassam, Bertha, B.A. Qu., B.L.S. Pratt, M.S. Col. Prof. and Dir. of Library Sch.
Silverthorn, Mary E., B.A. Alta., B.S. in L.S., M.A. Ill. Assoc. Prof.
Murray, Florence B., A.M.L.S. Mich., B.A. Asst. Prof.
Ball, Katharine L., M.A. Oxon., B.A., B.L.S. Asst. Prof.

Lecturer

Cockshutt, Margaret E., B.A., B.L.S.
Thomson, Jean, B.S. Col., B.A. Sp. Lectr.
6 Instrs.

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Leavens, D. H. Supervisor.

*Courses in Radiography*

Milner, Dorothy de F.

*Evening Classes*

Associate Directors

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Bryce, W. A., B.A.
Kirk, W. R. J., M.A. Asst. Dir.

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VICTORIA COLLEGE, in the Faculty of Arts of the Univ., *see* p. 912.

TRINITY COLLEGE, in the Faculty of Arts of the Univ., *see* p. 909.

ST. MICHAEL'S COLLEGE, in the Faculty of Arts of the Univ., *see below*.

## FEDERATED UNIVERSITIES

UNIVERSITY OF TRINITY COLLEGE, *see* p. 909.

VICTORIA UNIVERSITY, *see* p. 912.

## FEDERATED COLLEGES

ST. MICHAEL'S COLLEGE. Superior—Very Rev. L. K. Shook, M.A., Ph.D. Registrar—Rev. C. J. Lavery, M.A., Ph.D. Other Teachers: the Profs., etc., marked (M.) in the list of teaching staff, *above*.

KNOX COLLEGE, WYCLIFFE COLLEGE and EMMANUEL COLLEGE. Teachers giving instruction in Univ. courses (*Religious Knowledge*): (1) Knox—Rev. J. S. Glen, M.A., Ph.D., B.D., Th.D., Principal; Rev. D. K. Andrews, M.A., Ph.D., Prof. (2) Wycliffe—Rev. Ramsay Armitage, M.A., D.D., Principal; Rev. T. A. M. Barnett, M.A.; Rev. R. F. Hettlinger, M.A., Profs.; Rev. B. W. Horan, M.A., D.D., Prof. Emer. (3) Emmanuel—For Staff, *see under* Victoria Univ., p. 912.

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The University of Toronto was founded by Royal Charter under the name of King's College, at York, in 1827, as the State University of the Province of Upper Canada, in close connexion with the Church of England. As the majority of the inhabitants of the Province were not Anglicans, this peculiarity of the Charter aroused strenuous opposition, and for twenty years attempts were made to obtain a modification of it, but with slight success. As a result, in 1841 the Methodists established a University at Cobourg under the name of Victoria College, and the Church of Scotland section of the Presbyterians a University at Kingston under the name of Queen's College. In 1828 King's College was endowed with 225,000 acres of Crown lands. In 1843 the erection of a building and the work of instruction began. In 1849 an Act was passed by which King's College was secularized and removed entirely from its connexion with the Church of England, its name being changed to the University of Toronto. In 1853 University College was created, which undertook the work of instruction, the University itself becoming merely a legislative and examining body. As a result of the secularization of King's College, the University of Trinity College was founded at Toronto in 1851, under the control of the Church of England. Proposals for the federation of the Universities were first considered in 1843, but it was not until 1890 and 1904 respectively

that the Victoria University and the University of Trinity College were federated with the University. The transfer of the former to Toronto was completed in 1892, and of the latter in 1925. St. Michael's College was established at Toronto in 1852 by the Basilian Order. Although it had never been granted University powers, it was accorded the status of a federated College in 1890, declared a College in the Faculty of Arts in 1910 and ranks equally with the other three colleges. Knox College, established at Toronto in 1844 as a theological seminary in connexion with the Synod of the Presbyterian Church of Canada, was incorporated in 1858 by Act of Parliament, and federated with the University in 1890. Wycliffe College, founded in 1877 and incorporated in 1879, was federated with the University in 1890; its object is the theological training of candidates for the ministry of the Church of England in Canada. Emmanuel College came into being as a result of the union in 1925 of the Methodist, Presbyterian and Congregational Churches. It is a College of Victoria University and is also separately federated to the University of Toronto.

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LABORATORIES, in all the Science depts. BANTING INSTITUTE with depts. of Pathol., Bact., Neuro-pathol., Med., Surg., Pathol. Chem. and the Banting and Best Dept. of Med. Research, for teaching, clinical investigation and research work. CONNAUGHT MEDICAL RESEARCH LABORATORIES provide facilities for research in preventive med. and in related fields and for production of and supply of sera, vaccines, hormones, antibiotics and other biological preparations that are difficult or costly to produce. Farm of over 145 acres. DAVID DUNLAP OBSERVATORY, Richmond Hill, contains a 74-in. reflecting telescope which may be used either as a Cassegrain or a Newtonian, the largest in the Commonwealth and one of the largest in the world. HOSPITALS available for Clinics: Toronto (General), 1416 beds; Children's, 632; St. Michael's (General), 722; Western (General), 535; Psychiatric, 76; Isolation, 150; Sunnybrook (Veterans), 1200.

FACULTIES. Arts, *Dean*—M. St. A. Woodside, M.A.; Medicine, *Dean*—J. A. MacFarlane, O.B.E., Hon. M.D., B.A., M.B., LL.D., F.R.C.S.; Applied Science and Engineering, *Dean*—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., M.F.; Music, *Dir.*—A. Walter, Jur. Utr. Dr.; Dentistry, *Dean*—R. G. Ellis, D.D.S., M.Sc. (Dent.), F.D.S.R.C.S. SCHOOLS: Graduate Studies, *Acting Dean*—A. R. Gordon, O.B.E., M.A., Ph.D., F.R.S.C.; Law, *Dean*—C. A. Wright, Q.C., B.A., S.J.D., LL.D.; Architecture, *Dir.*—H. H. Madill, O.B.E., V.D., B.A.Sc.; Physical and Health Education, *Dir.*—H. A. Cates, M.B.; Social Work, *Dir.*—C. E. Hendry, M.A., M.H.; Nursing, *Dir.*—Nettie D. Fidler, B.A.; Hygiene, *Dir.*—R. D. Defries, C.B.E., M.D., D.P.H.; Library, *Dir.*—Bertha Bassam, B.A., B.L.S., M.S. INSTITUTES: Child Study, *Dir.*—W. E. Blatz, M.A., M.B., Ph.D.; Business Administration, *Dir.*—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) W. D. Foulds, B.A.; (Med.) Mary L. Cassidy, B.A.; (Applied Sci. and Engin.) W. S. Wilson, E.D., B.A.Sc.; (Household Sci.) M. Doreen Smith, M.A., Ph.D.; (Educn.) Lyda Swinarton; (Forestry) D. V. Love, B.Sc.F., M.F.; (Music) Mrs. V. Kilburn; (School of Graduate Studies) J. H. Sword, M.A.; (Dentistry) C. C. Rous, B.A.Sc.; (Law) Joyce McClennan; (Archit.) S. R. Kent, B.Arch.; (Physical and Health Educn.) Margaret L. R. Pratt, B.A.; (Soc. Work) Edna B. Bambridge; (Nursing) Mrs. A. C. Nelson, B.S.; (Hygiene) D. L. MacLean, O.B.E., M.B., B.Sc. (Med.), D.P.H.; (Child Study) Mary R. McKeown, B.A.; (Business Administration) Miss M. J. Arrowsmith, B.A., M.Com.

UNIVERSITY MATRICULATION BOARD. A Board created by the Univs. of Toronto, Queen's, McMaster, W. Ont. and Ottawa conducts and controls their annual Matricn. examns. The Dept. of Educn. of Ontario provides the machinery for holding these examns., and the Registrar of the Dept. is Sec. of the Board. A report signed by all members of the staff of the school concerned as to the standing of their candidates is considered in determining the results of the examn.

For admission to the University the requirements are: (*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 on submitting the General Certificate of Education with standing in subjects equivalent to the Grade XIII requirements with passes at advanced level in at least two of these subjects. (*Note*: The specific subjects in which standing at advanced level is required will vary with the course desired and may be ascertained from the Registrar.)

Minimum age for admission to the Faculty of Arts, 16; Med., 17; Appl. Sci., 17; House. Sci., 16; Educn., 19; Forestry, 17; Architecture, 17; Dentistry, 17.

*See also* Appendix I.

DEGREE COURSES. 1 yr. after B.A.—B.L.S., B.S.W.; 2 yrs.—Phm.B.; 3 yrs.—Pass B.A., Pass B.H.Sc., Mus.Bac., LL.B., B.P.H.E.; 4 yrs.—Honour B.A., B.Com., B.A.Sc., B.Sc. (Med.), B.Sc. (Dent.), Honour B.H.Sc., B.Sc.F.,

B.Sc.Phm., B.S.A.; 5 yrs.—B.Arch., D.D.S., B.Sc.N. and D.V.M.; 6 yrs.—M.D.

The B.Sc. (Med.) may be conferred for special work or investigation as a graduate degree and in certain circumstances for an extra yr.'s work as an undergraduate. Similar regulations govern the B.Sc. (Dent.).

A student who has already graduated in the Faculty of Arts, Med. or Sci. of a Canadian or other recognized Univ. may complete the course in Dentistry in 4 yrs. instead of 5, provided he has covered certain prescribed subjects during his undergrad. course; and persons holding qualifications obtained in Great Britain or Ireland registrable by the Dental Board of the United Kingdom or the B.D.S. of approved Australian Univs. may be admitted to the Fac. of Dentistry without further examn., and to the final D.D.S. examns. on completing one full session in the Fac. of Dentistry.

*Higher Degrees.* M.A., obtainable by approved course of graduate study extending over 2 yrs. or in the case of a B.A. in an Honours course, 1 yr.; Ph.D., open to a graduate in Arts or Science of this or another recognized Univ. by pursuing in the Univ. of Toronto an advanced course of study for 3 yrs., exemption from 1 of which may be given in consideration of the candidate having already pursued such a course for 1 yr. A thesis embodying the result of an original investigation is required.

The M.Com., obtainable by approved course of graduate study extending over 1 to 2 yrs.

M.S. obtainable after 3-yr. course open only to graduates in Med. of a recognized Univ. The D.P.H. course (for Med. graduates) covers 11 mos. —1 winter and 1 summer session; the Diploma courses in Radiology and in Psychiatry (for Med. graduates) each cover 12 mos.

The M.A.Sc. may be obtained by a B.A.Sc. graduate of this Univ. or one who holds an equivalent degree from some other Univ. who pursues a course of advanced study in the Faculty for 1 yr., presents a satisfactory thesis and passes such examns. as may be prescribed.

The M.Arch. may be obtained by one who holds the degree of B.Arch. or B.A.Sc., or an equivalent degree, under the same conditions as the M.A.Sc. degree.

The professional degrees, C.E., M.E., Mech.E., E.E., Chem.E., Met.E., are open to candidates who, after obtaining the B.A.Sc. or diploma of the Faculty, spend 3 yrs. in the actual practice of one of these branches of engineering, present a satisfactory thesis and pass examns.

The 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.Ed. is open to candidates holding an approved degree in Arts, Sci., Agric., Engin. or Comm., and a certif. as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certif. and course of training. They must attend the Ontario Coll. of Education during two regular Coll. sessions or three summer sessions, with certain exceptions.

The M.Ed. is open to graduates in Arts, Science, Agric., Engin. or Comm. of any British Univ. who hold the B.Ed. degree and a teacher's certif. valid in one of the Provinces of Canada and pass prescribed examns. A thesis is also required, and the candidate must have attended one regular session and a summer course or three summer sessions. The Ed.D. is open to holders of the M.Ed.; one regular session or two summer sessions of course work and a thesis are required.

M.L.S., 1-yr. course open to holders of B.L.S.

M.S.W. (Master of Social Work) is open to grads. who have obtained the B.S.W. degree or its equivalent. The D.S.W. is open to holders of the M.S.W.

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. Candidates for a certificate to teach in the secondary schools of Ontario must hold an approved degree and attend the Ont. College of Education for one year. Teachers of vocational subjects need not hold a degree, but must have practical experience as a journeyman in the trade, and must attend the Ont. College of Education for one year.

FEES. Students proceeding to 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.; App. Sci. and Engin., Men $424, Women, $406; Archit., Men $424, Women $406; Arts (Univ. Coll.), Men $282 (B.A.), $318 (B.Com.), Women $271 (B.A.), $307 (B.Com.); Arts (Victoria, Trinity and St. Michael's), Men $59 (B.A.), $211 (B.Com.), Women $44 (B.A.), $196 (B.Com.); Child Study, $234; Dent., Men $340 (pre-Dent.), $459 (1st to 4th Dent. yrs.), Women $328 (pre-Dent.), $444 (1st to 4th Dent. yrs.); Dental Nursing, $282; Forestry, $364 (1st to 3rd yrs.), $403 (4th yr.); Household Sci., $281; Law, Men $343, Women $328; Med., Men $289 (pre-Med. yrs.), $521 (1st to 3rd Med. yrs.), $535 (4th Med. yr.), Women $276 (pre-Med. yrs.), $512 (1st to 3rd Med. yrs.), $522 (4th Med. yr.); Art as applied to Med., Men $309, Women $294; Phys. and Occupational Therap. (1st 2 yrs., combined course), $296; Nursing, degree courses, $206, grad. courses, $281; Ont. Coll. of Educn., Teachers' courses, Men $215; Women $200; Library Sch. Degree course, Men $223, Women $208; Dipl. course, Men $213, Women $198; Phys. and Health Educn., Men $317, Women $306; Soc. Work (B.S.W.), Men $351, Women $336; Dipl. in Pub. Health, $416; Dipl. in Indust. Hyg., $416 and $290; Dipl. in Med. Radiol., $175, in Psych., $115, in Vet. Pub. Health, $238; in Hosp. Admin., $508; in Pub. Health, $233; in Dent. Pub. Health, $345; B.Sc. Med., $205; B.Sc. Dent., $160.

SCHOLARSHIPS. Numerous fellowships, scholarships, bursaries and prizes are available in the various Colleges and Faculties of the Univ. and senior students may obtain assistance from loan funds held by the Alumni Association of the Univ., the Students' Administrative Council and the Fac. of Applied Sci. and Engin.

There are a number of scholarships and fellowships, etc., tenable in the School of Graduate Studies.

RESIDENCES. Univ. Houses accommodate 200 men. The rates are $5·25 a week for a single room or half a suite; Univ. Coll. House for 24 men—5 Willcocks St., rent $5·25 a week (new residence accommodating 183 under construction and ready by the autumn of 1954); residence and board for women (250), at least $15·50 a week; Victoria Coll. Halls for 260 men and 200 women; Trinity Coll. provides for 135 men and 100 women; St. Michael's (R.C.) has also residences for men and women.

HART HOUSE, the gift of the Massey Foundation in memory of 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 1951–52

BENEFACTIONS. Total, $1,926,813. Defence Res. Bd., $469,540; Dr. Sigmund Samuel, $228,500; Natl. Res. Council, $159,053; Research Council of Ont., $85,440; Natl. Cancer Inst. of Canada, $64,487; Province of Ontario, $62,836; Ontario Cancer Treatment and Res. Foundation, $52,600; Rockefeller Foundation, $50,897; L. V. Redman Estate, $27,958; Govt. of Canada, $26,993; W. K. Kellogg Foundation, $25,090; late Jessie D. Dunlap, bequest of $25,000; late T. Foster, residuary trust, $25,000; late Col. R. W. Leonard, $24,980; Babb Co. (Canada) Ltd., $20,800; J. P. Bickell Foundation, $20,000; Canadian Life Insurance Officers Assocn., $26,000; Banting Res. Foundation, $18,475; late Florence L. Cody, $15,000; Nutrition Foundation, Inc., $13,826; various donors, C. H. Best Inst. Fund, $12,600; late Dr. W. B. Boyd, $12,349; anonymous donors, $11,156; O'Keefe Foundation, $10,000; F. W. Paulin, $10,000; Canadian Hosp. Council, $9331; P. Hermant, Esq., $7600; Dr. J. A. Sullivan, $7500; Canadian Arthritis and Rheumatism Society, $6800; Central Mortgage and Housing Corporation,

$6600; Imperial Oil Ltd., $6000; J. and Mary R. Markle Foundation, $5790; H. B. Ganton, $5000; L. Franceschini Foundation, $5000; W. E. Mason Foundation, $5000; National Vitamin Foundation Inc., $4632; Sugar Association Inc., $4500; late Dr. J. S. Chisholm, $4105; Sangamo Co. Ltd., $4000; Canadian Legion of the British Empire Service League, $3700; Alcoholism Research Foundation, $3500; Prof. L. Gilchrist and G. A. La Bine, $3500; late Lillian M. Treble, $3397; various donors (E. T. Owen Memorial Scholp.), $3384; Medical Alumni Assocn., $3152; Phi Delta Epsilon Med. Fraternity, $3000; Associates of the Univ. of Tor., Inc., $2984; Canadian Foundation for Poliomyelitis, $2968; various donors (F. S. Hogg Memorial Fellowship Fund), $2967; friends of late Dr. H. M. Cassidy, $2816; International Nickel Co. of Canada, Ltd., $2500; Consolidated Mining and Smelting Co. of Canada, Ltd., $2400; various donors (Ontario Community Chest Scholp.), $2400; C. E. Frosst and Co., $2300; R. Simpson Co. Ltd., $2130; Assocn. of Children's Aid Societies of Ont., late Agnes S. V. Mackenzie, Spruce Falls Power and Paper Co., $2000 each; Aluminum Co. of America, $1967; California Standard Co., $1875; various donors (Inst. of Business Admin.), $1850; Algoma Ore Properties Ltd., $1800; Canadian Breweries Ltd., $1800; T. Eaton Co., Ltd., $1770; Carnegie Corp. of N.Y., $1769; various donors (W. J. Dunlop Bursary), $1511; Babcock-Wilcox and Goldie-McCulloch Ltd., Canadian Council for Reconstruction through UNESCO, Mrs. E. J. Urwick, $1500 each.

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. Engin. 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 was put in operation in 1952. Under construction are the Charles H. Best Inst. for med. res. and large addition to Library.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Chas. Hercus, N.Z.; Dr. S. G. Graham, Glas.; Prof. A. Blunt, Lond.; Prof. T. J. Geiger, Aarhus; Dr. Helen W. Dodson, Mich.; Dr. G. F. Gibberd, Lond.; Prof. A. M. Kuethe, Mich.; Prof. P. Radin, Oberlin Coll., Ohio; Prof. A. W. Gomme, Glas.; Sir James Mountford, Liv.; Prof. E. A. Havelock, Harv.; Prof. H. Meyer, Muhlenberg Coll., Penn.; Prof. R. Alewyn, Cologne; Prof. G. Graham, Lond.; Prof. I. H. Hazard, Col.; Prof. G. Boas, Johns H.; Prof. M. M. Postan, Camb.; Prof. T. I. Cook, Johns H.; Prof. F. Neumann, Col.; Prof. G. Haberler, Harv.; Prof. F. H. Knight, Chic.; Prof. G. Murphy, City Coll. of New York; Dr. J. C. Flanagan, Pittsburgh; Prof. H. Gouhier, Paris; H. Keniston, Mich.; Prof. H. H. Rowley, Manc.; Prof. E. J. Simmons, Col.; Prof. M. Spinka, Hartford Theol. Seminary; Prof. V. Nabokov, Corn.; Prof. N. Cantor, Buffalo; Prof. W. W. Morgan, Chic.; Prof. A. J. Riker, Wis.; Dr. K. V. Thimann, Harv.; Prof. D. R. Goddard, Penn.; Prof. J. O'M. Bockris, Lond.; Prof. Sir John Lennard-Jones, Camb.; Dr. T. Shedlovsky, Rockefeller Inst. of Med. Res.; Prof. W. D. Kumler, Calif.; Prof. B. Zaborski, McG.; Prof. S. B. Jones, Yale; Prof. J. O. M. Broek, Minn.; Prof. G. W. Tyrrell, Glas.; Prof. F. J. Dyson, Corn.; Dr. D. C. Pack, Maryland; Prof. P. R. Wallace, McG.; Prof. H. Samelson, Mich.; Prof.

M. H. Stone, Chic.; Prof. G. Tauber, McM.; Prof. A. F. C. Stevenson, Bishop's; Dr. G. V. Raynor, Inst. of Metals, Chic.; Dr. E. Orowan, M.I.T.; Dr. H. Tatel, Carnegie Instn. of Washington; Dr. M. Udvardy, Hungarian Biol. Inst., Budapest; Dr. W. K. Gregory, Col.; Prof. L. von Bertalanffy, Ott.

RETIREMENTS. Prof. S. Beatty (Dean, Fac. of Arts, Maths.); Prof. A. Brown (Pædiatrics); H. H. Burnham (Otolaryngol.); Prof. C. Martin (Hist.); Prof. T. J. Meek (Oriental Langs.); Asst. Prof. C. E. Olive (Mech. Engin.); Prof. W. A. Riddell (Internat. Relns.); Miss E. K. Russell (Sch. of Nursing).

RESIGNATIONS. Prof. J. B. Brodie (Household Sci.); Assoc. Prof. D. N. Cass-Beggs (Electr. Engin.); Asst. Prof. D. H. Hamly (Bot.); Asst. Prof. R. M. Husband (Chem. Engin.); Assoc. Prof. W. C. MacDonald (Chem. Engin.); Prof. E. W. McInnis (Hist.); Asst. Prof. G. W. Minard (Chem. Engin.); Asst. Prof. J. F. A. Sprent (Parasitol.); Prof. J. Willis (Law).

DEATHS. H. M. Cassidy, Dir., Sch. of Soc. Work; N. Ignatieff, Warden, Hart House; H. S. Jackson, Hd., Dept. of Bot.; W. Magner, Asst. Prof. of Pathol.; Prof. Emer. M. A. Buchanan; Prof. Emer. W. J. Loudon; Prof. Emer. H. B. Van Wyck.

HONORARY DEGREES. May 14, 1952: *LL.D.*—J. G. Althouse; R. C. Berkinshaw; T. D'A. Leonard; The Hon. C. P. McTague; The Hon. P. J. J. Martin; Most Rev. M. C. O'Neill; Rev. G. B. Phelan; G. B. Strathy; Effie G. M. Waugh; *D.Sc.*—J. B. Collip. June 6, 1952: *D.Eng.*—R. L. Hearn; *LL.D.*—E. W. Bradwin; D. J. Dickie; The Hon. L. M. Frost; The Rt. Hon. C. D. Howe; J. T. Jenkins; Rev. G. A. Lévesque.

STUDENT NUMBERS. Men, 8522; Women, 3499; Total, 12,021.

DEGREES. LL.D. (Hon.), 17; Ph.D., 88; M.A., 206; M.Com., 31; M.S., 1; M.A.Sc., 47; C.E., 2; D.Pæd., 4; M.Sc.F., 1; F.E., 2; M.D. Class 1902, 17; M.Sc. (Dent.), 7; LL.M., 1; M.S.A., 23; M.S.W., 23; B.A., 1043; B.Com., 73; M.D., 176; B.Sc. (Med.), 7; B.A.Sc., 493; B.Arch., 46; B.H.Sc., 25; B.Pæd., 37; B.L.S., 54; B.Sc.F., 46; Mus.Bac., 26; D.D.S., 82; B.Sc. (Dent.), 1; LL.B., 40; B.P.H.E., 41; B.S.W., 72; B.Sc.N., 15; Phm.B., 116; B.Sc.Phm., 22; B.S.A., 82; M.V.Sc., 2; D.V.Sc., 1; D.V.M., 99.

DIPLOMAS AND CERTIFICATES. Administration of Nursing Service, 1; Business, 11; Certif. of Public Health, 2; Certif. of Public Health with Special in Public Health Education, 2; Clin. Supervision, 37; Child Study, 15; Dental Nursing, 22; Dental and Oral Surg. and Anæsthesia, 1; Dental Public Health, 5; Dipl. of Public Health, 2; Hospital Admin., 4; Institutional Management, 68; Med. Radiology, 4; Occupational Therapy, 45; Oral Surg. and Anæsthesia, 1; Pedodontics, 2; Periodontology, 3; Physical Therapy, 15; Psychiatry, 11; Public Health in Nursing (General), 8; Public Health in Nursing (Advanced), 4; Veterinary Public Health, 6.

[*Information compiled as at July* 1953.]

# UNIVERSITY OF TRINITY COLLEGE

Founded 1851

(*Federated with the University of Toronto*)

*Postal Address*: Queen's Park, Toronto 5, Ontario, Canada.
*Telephone*: MI 8411.

VICE-CHANCELLOR AND PROVOST—Rev. R. S. K. SEELEY, M.A. Camb., D.D. St. John's (Winnipeg), K.C.N.S., Wycliffe (Tor.), LL.D. Qu., D.C.L. Bishop's.

REGISTRAR AND DEAN OF ARTS—R. K. HICKS, A.M. Harv.

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. K.C.N.S., S.T.D. G.T.S., N.Y.

LIBRARIAN—S. M. ADAMS, M.A.

ACTING DEAN OF RESIDENCE—Rev. H. V. R. SHORT, B.A. Tor., B.D.

BURSAR—E. G. STRATHY.

## TEACHING STAFF

### ARTS

[*See* the consolidated list under Toronto Univ., names marked (T.).]

### DIVINITY

*Christian Education*

Thompson, Rev. G. H., B.A. McG., M.A. Col. Dir. of Field Work.

*Christian Ethics and Moral Theology*

Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y. Prof.

Fairweather, Rev. E. R., B.A. McG., M.A. Tor., Th.D. U.T.S., N.Y.

Owen, Rev. D. R. G., M.A. Oxon., B.A., Ph.D. Tor.

*Church Music*

Rollinson, E., Mus.Bac. Tor., F.R.C.O.
Juliet E. Doolittle Lectr.

*Dogmatic Theology*

Fairweather, Rev. E. R., B.A. McG., M.A. Tor., Th.D. U.T.S., N.Y.

*Ecclesiastical History and Liturgics*

Smith, Rev. W. Lyndon, B.A. Tor. and Oxon., M.A. Tor.
Assoc. Prof.

Farrell, Rev. P. R. M., B.A. McG. and Oxon.

*History and Philosophy of Religion*

Owen, Rev. D. R. G., M.A. Oxon., B.A., Ph.D. Tor.
Assoc. Prof.

Edison, G., M.A. Col., Ph.D. Tor.

*Missions*

Albright, Rev. L. S., B.A., S.T.M., D.D. Hon. Lectr.

Dixon, Rev. L. A., O.B.E., M.A. Tor., D.D. Wycliffe Hon. Lectr.

*New Testament and New Testament Greek*

Beare, Rev. F. W., B.A. Tor., Ph.D. Chic. Prof.

Seeley, Rev. R. S. K., M.A. Camb., D.D. St. John's (Winnipeg), K.C.N.S., Wycliffe (Tor.), LL.D. Qu., D.C.L. Bishop's Lectr.

Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y. Prof.

Newby, Rev. M. T., M.A. Tor. Lectr.

*Old Testament, Hebrew and Septuagint Greek*

Mercer, Rev. S. A. B., B.A. Harv., M.A. Wis., D.D. Nashotah, Ph.D. Munich Emer. Prof.

Cosgrave, Rev. F. H., M.A. Dub., D.C.L. Bishop's, LL.D. Qu., McM., Tor., D.D. Vic. Lectr.

Newby, Rev. M. T., M.A. Tor. Lectr.

de Catanzaro, Rev. C. J., B.A. K.C.N.S., M.A. Dal., B.D. Lectr.

*Pastoral Theology*

Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y.

## ADMINISTRATIVE AND OTHER STAFF

Chairman of Convocation: R. A. Kingston, 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. 46,313 vols.

RESIDENCE. For women (fees, $495): 101 St. George St., 20 students; St. Hilda's College, Devonshire Place, 76 students. For men (fees: $505): 99 St. George St., 15 students; 113 St. George St., 21 students; main bldg. of Trinity Coll., 99 students.

FEES. Tuition fees are the same as those of the Univ. of Toronto (v. p. 905). Incidental College fees amount to about $34.

PUBLICATIONS. *Calendar* (May); *Trinity Univ. Review*, 6 times a year.

## THE YEAR 1951–52

HONORARY DEGREES. September 1952. *D.D. (honoris causa)*—Most Rev. W. F. Barfoot, Archbishop of Edmonton and Primate of All Canada; Ven.

D. S. Catchpoole, Archdeacon of Kootenay; Ven. J. B. Fotheringham; Very Rev. W. R. Matthews, Dean of St. Paul's; Rev. A. B. B. Moore, President of Victoria Coll., Tor.; Most Rev. R. J. Renison, Archbishop of Moosonee and Metropolitan of Ont.; Rt. Rev. L. L. Scaife, Bishop of Western New York; Mrs. Ursula Niebuhr, Hd. of Dept. of Religion, Barnard Coll., Columbia Union. *D.D.* (*jure dignitatis*)—Rt. Rev. T. Greenwood, Bishop of the Yukon.

STUDENT NUMBERS. *Arts*: 246 men; 223 women. *Divinity*: 56 men; 1 woman; special and occasional, 2.

DEGREES (awarded by the Univ. of Trinity College). B.D., 4; L.Th., 17; S.T.B., 2.

[*Information compiled as at May* 1953.]

# VICTORIA UNIVERSITY

Incorporated 1836

(*Federated with the University of Toronto*)

*Postal Address*: Queen's Park, Toronto 5, Ontario, Canada.
*Telegraphic Address*: Vicollege, Toronto.
*Telephone*: KI 0310.

CHANCELLOR—Hon. L. B. PEARSON, O.B.E., B.A., LL.D. Tor., M.A., D.C.L. Oxon.

PRESIDENT AND VICE-CHANCELLOR—Rev. A. B. B. MOORE, B.A. McG., D.D. Montr.

PRINCIPAL, VICTORIA COLLEGE—H. BENNETT, B.A. Tor., Ph.D. Chic.

PRINCIPAL, EMMANUEL COLLEGE—Rev. A. D. MATHESON, M.A., B.D. Qu., D.D. Montr.

REGISTRAR—F. A. HARE, M.A. Tor.

LIBRARIAN—Miss M. V. RAY, B.A. Tor.

## TEACHING STAFF

### ARTS (Victoria College)

[*See* the consolidated list under Toronto Univ., names marked (V.).]

### THEOLOGY (Emmanuel College)

*Church History*

Cousland, Rev. K. H., M.C., M.A. Oxon., D.D. Montr. Prof.

*English Bible*

Joblin, Rev. K. J., B.A. Tor., B.D. Assoc. Prof.

*Homiletics and Pastoral Theology*

Matheson, Rev. A. D., M.A., B.D. Qu., D.D. Montr. Prof.

*New Testament Lit. and Exegesis*

Johnston, Rev. G., M.A., B.D. Glas., Ph.D. Camb. Prof.

*Old Testament Lit. and Exegesis*

McLean, Rev. C. V., M.A., B.D. Union, Ph.D. Col. Prof.

*Public Speaking* [Asst. Prof.

McMullen, Rev. G. A., B.A. Tor.

*Religious Pedagogy*

Guthrie, Rev. J. R., M.A., B.D., B.Ed. Edin., S.T.M. Union Asst. Prof.

*Systematic Theology and Philosophy of Religion*

Leslie, Rev. C. W., M.A. Tor., Ph.D. Harv., B.D. Prof.

Fennell, Rev. W. O., B.A. Tor., S.T.M. Union Asst. Prof.

## ADMINISTRATIVE AND OTHER STAFF

Bursar: W. C. James, B.A. Tor. Dean of Women: Jessie Macpherson, M.A., Ph.D. Tor.; Sr. Tutor: C. C. Love, M.A. Camb., Ph.D. Tor. Accountant: K. M. Dinsmore, B.Com. Tor. Supt. of Buildings and Grounds: F. C. Stokes, M.A. Tor.

## GENERAL INFORMATION

In 1928, by Act of the Legislature of the Province of Ontario, Victoria University, originally founded as the Upper Canada Academy in 1836, received an amended charter by which it continues in federation with the University of Toronto and in connexion with the United Church of Canada (formed in 1925 by the union of the Congregational, Methodist and Presbyterian Churches in Canada), and includes within itself, under one Board of Regents and one Senate, two Colleges, Victoria College in Arts and Emmanuel College in Theology, the latter formed by the union of the Victoria University Faculty of Theology with Union Theological College. For early history, *see Yearbook* for 1929.

LIBRARY. Special features—Canadian verse and Tennysoniana (C. C. James's collections), Canadian Church History, Erasmiana.

COURSES. 3 yrs. for General Course B.A.; 4 yrs. for Honour Courses; 3 yrs. for B.D., subsequent to graduation in Arts; 3 yrs. for Diploma in Theol., subsequent to 3 or 4 yrs. in Arts; postgraduate courses for Th.M. 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* (June); *Bulletin* (June); *Acta Victoriana*, a students' monthly.

## THE YEAR 1951–52

BENEFACTIONS. $34,531.

HONORARY DEGREES. *D.D.*—Rev. F. R Hendershot, Minister, Welland, Ont.; Rev. R. S. Johnston, Minister, Chatham, Ont.; Rev. H. B. Neal, Minister, Lindsay, Ont.; Rev. J. L. Smith, Minister, Toronto. *D.Litt.S.*—Major-General A. C. Spencer, London, Ont.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 59 | 791 |
| Women | 5 | 532 |
| Total | 64 | 1323 |

Postgraduate students, 61; extra-mural, 13.

First-year admissions, 375.

Students from other countries: U.S.A., 9; British West Indies, 6; Bermuda, 3; France, 2; Japan, 1.

DEGREES AND DIPLOMAS. *Theology* (conferred by Victoria Univ.): Th.D., 1; Th.M., 4; B.D., 37; *Diploma* (awarded by Council of Emmanuel Coll.), 34. *Arts and Commerce* (conferred by Univ. of Tor.): B.A., 336; B.Com., 38.

[*Information compiled as at June* 1953.]

# UNIVERSITY OF WESTERN ONTARIO*

Founded 1878

*Postal Address*: London, Ontario, Canada.
*Cable Address*: Uwestario.
*Telephone*: London 4-6861.

VISITOR—His Honour THE LIEUT.-GOVERNOR OF ONTARIO.

CHANCELLOR—ARTHUR R. FORD, LL.D.

CHAIRMAN OF THE BOARD OF GOVERNORS—A. T. LITTLE, LL.D.

PRESIDENT—G. E. HALL, A.F.C., M.S.A., M.D., D.Sc., Ph.D. Tor., F.R.S.C.

VICE-PRESIDENT—R. A. ALLEN, M.A. Tor., Ph.D. Chic.

REGISTRAR—HELEN M. B. ALLISON, M.A. Minn.

LIBRARIAN—J. J. TALMAN, Ph.D. Tor., F.R.S.C.

COMPTROLLER—R. B. WILLIS, M.A., F.C.I.S.

DEANS—*Arts and Science*—F. STILING, M.A., Ph.D. Mich., Principal of Univ. Coll.; *Graduate Studies*—R. A. ALLEN, M.A. Tor., Ph.D. Chic.; *Medicine*—J. B. COLLIP, C.B.E., M.A., Ph.D., D.Sc., M.D., LL.D., F.R.C.P. Can. and Lond., F.R.S.C., F.A.C.P., F.R.S.; *Business Administration*—LLOYD W. SIPHERD, M.B.A. Harv.; *Nursing*—EDITH M. MCDOWELL, B.Sc., M.A. Col.

## TEACHING STAFF

*Astronomy*, v. Maths.

*Botany*

Hart, N. C., M.A. Tor. Prof.
Walker, A. R., M.A. Tor. Prof.
McLarty, D. A., Ph.D. Col. Assoc. Prof.
2 Instrs., 2 Hon. Lectrs.

*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.
Jones, F. W. P., M.A.

Assistant Professors

Hamilton, J. M., B.Com., M.B.A. Harv.
Ladd, D. R., M.B.A. Harv.
Waugh, W. R., B.A.
4 Lectrs., 3 Instrs.

*Chemistry*

Professors

Gunton, J. A., M.A. McM., Ph.D. Ill., F.C.I.C.
Burns, J. W., M.Sc. Qu., F.C.I.C.
Martin, H., D.Sc. Lond., F.R.I.C.

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

Associate Professors
Sivertz, C., B.A.Sc. Br. Col., M.Sc., Ph.D. McG.
Watson, J. K., Ph.D. Tor.
Hunten, K. W., Ph.D. McG., F.C.I.C.
Pattison, F. L. M., Ph.D. Camb.
1 Instr., 9 Assts., 2 Hon. Lectrs.

*Classics*
Ralph, J. D., Ph.D. Chic. Prof
Pemberton, R. E. K., M.A. Oxon. 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. Wis., F.R.E.S.
Harvey, W. B., M.A., LL.B. Manit., Ph.D. Chic.

Associate Professors
Bittner, C. J., Ph.D. Iowa.
Ivor, D., M.A., Ph.D. Lond.
4 Lectrs.

*English*
Professors
Klinck, C. F., M.A., Ph.D. Col.
Stiling, F., M.A., Ph.D. Mich.

Associate Professors
MacKinnon, M. H. M., M.A., Ph.D. Tor.
Conron, A. B., D.S.O., A.M., Ph.D. Harv.

Assistant Professors
Buckley, G. E., B.A. Mt. All., M.A. Col.
McRae, J. R. Y., M.A., Ph.D. Tor.
3 Lectrs., 4 Instrs., 1 Asst.

*French, Italian and Spanish*
Torrens, R. W., A.M. Harv., Ph.D. Corn. Prof.
Turville, Ada D., Ph.D. Col. Prof.
Jenkin, H. E., B.A. Lond., L. ès L. Laval Prof.
Collin, W. E., L. ès L. Toulouse, M.A. Assoc. Prof.
Montgomery, F., D. de l'U. Paris, M.A. Assoc. Prof.
2 Lectrs., 1 Instr.

*Geography*
Pleva, E. G., M.A., Ph.D. Minn. Prof.
2 Lectrs., 3 Instrs., 5 Assts.

*Geology*
Reavely, G. H., M.A. Prof.
Suffel, G. H., Ph.D. Calif. Assoc. Prof.
Dreimanis, A., M.Nat.S. Riga Asst. Prof.
1 Lectr., 1 Instr.

*German*
Kalbfleisch, H. K., M.A. N.Y., Ph.D. Mich. Prof.
3 Lectrs.

*Hebrew*
Harrison, Rev. R. K., B.D., M.Th., Ph.D. Lond. Prof.

*History*
Dorland, A. G., B.A. Qu., M.A. Yale, Ph.D. Tor., F.R.S.C. Prof.

Associate Professors
Thomas, H. M., A.M., Ph.D. Harv.
Balderston, W., M.A., Ph.D. Corn.
1 Lectr., 1 Asst.

*Journalism*
Wild, J. L., B.A. Assoc. Prof.
Dingman, Mrs. Isabel, M.A. Manit. Asst. Prof.
7 Lectrs., 3 Assts.

*Law*
Carrothers, C. C., B.A., LL.B., Q.C. Lectr.

*Library Science*
3 Lectrs.

*Mathematics and Astronomy*
Professors
Magee, G. R., M.S., Ph.D. Chic.

Cole, R. H., M.A., Ph.D. Wis.
Woods, A., M.A. Qu.
Henderson, G. P., M.A., Ph.D. Tor. Asst. Prof.

*Medicine*, v. *infra*

*Music*

Robb, H., D.D.S. Tor. Prof.
5 Lectrs.

*Philosophy*

Johnson, A. H., M.A., Ph.D. Tor. Prof.
1 Lectr., 2 Instrs., 1 Asst.

*Physical Education*

Zeigler, E. F., A.M., Ph.D. Yale Dir. and Prof.
Fairs, J. R., B.Sc., M.A. Col. Asst. Prof.
Carmichael, Jean, B.P.H.E. Tor., M.A. Col. Asst. Prof.
4 Lectrs., 5 Instrs.

*Physics*

Misener, A. D., Ph.D. Camb., F.R.S.C. Prof.
Dearle, R. C., M.A., Ph.D. Tor. Research Prof.
Allen, R. L., M.A. Mt. All. Prof.
Durnford, A. M. I. A. W., Ph.D. Tor. Assoc. Prof.
Tull, E. H., M.Sc. Asst. Prof.
Blackwell, J. H., Ph.D. Asst. Prof.
Brannen, E., Ph.D. McG. Asst. Prof.
Nicholls, R. W., Ph.D. Lond., F.R.A.S. Asst. Prof.
2 Lectrs., 11 Assts.

*Psychology*

Liddy, R. B., Ph.D. Tor., LL.D. Mt. All. Prof.
Philip, B. R., M.A. Tor., Ph.D. C.U.A. Visiting Prof.
Neal, Leola, Ph.D. Tor. Assoc. Prof.
Turner, G., Ph.D. Tor. Assoc. Prof.
Wright, Mary, Ph.D. Tor. Asst. Prof.
1 Lectr., 1 Instr., 1 Grad. Asst.

*Russian Studies*

Ignatieff, L., B.A. McG., M.A. Mich. Assoc. Prof.

*Secretarial Science*

Gillespie, Mary, M.A. Col. Prof.
Chapman, Mrs. C. B., B.A. Asst. Prof.
1 Instr., 1 Asst.

*Zoology*

Brown, A. W. A., M.B.E., B.Sc.F., M.A., Ph.D. Tor. Prof.
Battle, Helen, M.A., Ph.D. Tor. Prof.
Judd, W. W., Ph.D. Tor. Assoc. Prof.
Scott, D. M., Ph.D. McG. Asst. Prof.
1 Lectr., 2 Hon. Lectrs., 3 Assts.

## Medicine

*Anæsthesia*

Blezard, 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. Prof
2 Hon. Lectrs., 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 Hon. Lectr., 2 Instrs.

*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. Assoc. Prof.

Heagy, F. C., Ph.D. Asst. Prof.
1 Hon. Lectr.

*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. Prof. and Hd. of Dept.

Begg, R. W., M.Sc. Assoc. Prof.

Noble, R. L., M.D. Tor., Ph.D., D.Sc. Lond. 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.

Engel, C. R., D.Sc. Zür. Asst. Prof.

Carroll, K. K., Ph.D. Asst. Prof.
2 Hon. Lectrs., 4 Lectrs.

*Medicine*

Professor

Brien, F. S., B.A., M.B. Tor., F.R.C.P.Can.

Assistant Professors

Duffy, J. L., M.D., C.M. McG.
Geddes, J. H., M.D.
Lewis, J. A., M.D.
Manning, G. W., M.D., M.A., Ph.D. Tor., F.R.C.P.Can.
Sharpe, W. C., M.B. Tor.
6 Assocs., 18 Instrs.

*Medicine, Clinical Preventive*

Hobbs, G. E., B.A., M.D., D.I.P. Tor., M.P.H. Mich. Prof.
3 Lectrs., 8 Instrs.

*Medicine, Physical*

Coffey, T. H., D.P.E., M.D., C.M. McG. 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.
18 Lectrs.

*Obstetrics and Gynæcology*

Tew, W. P., M.B. Tor., F.R.C.S. Ed. and Can., F.R.C.O.G. Prof.

Clegg, F. R., M.D. Assoc. Prof.
3 Sr. Assocs., 1 Instr.

*Ophthalmol., Otol., Rhinol. and Laryngol.*

McFarlane, D. C., M.D. Prof.

Thompson, C. A., B.A., M.D., C.M. McG. Asst. Prof.
4 Instrs.

*Pædiatrics*

Little, H. S., M.B. Tor., F.R.C.P. Can. Prof.
2 Sr. Assocs., 4 Instrs.

*Pathological Chemistry*

Watson, E. M., M.Sc., M.D., F.R.C.P. Ed. and Can. Prof.

Pearce, R. H., Ph.D. Asst. Prof.

*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.

*Pharmacology*

Waud, R. A., Ph.D. Chic., M.D., M.Sc. Prof.
Gowdey, C. W., D.Phil. Oxon., M.Sc. Asst. Prof.

*Physiology*

Stevenson, J. A. F., M.A., M.D., C.M. McG.
Stavraky, G. N., M.D. Odessa, M.Sc., M.D., C.M. McG. Prof.
3 Hon. Lectrs., 1 Lectr.

*Psychiatry*

Stevenson, G. H., M.B. Tor., F.R.S.C. Prof.
1 Hon. Lectr., 3 Sr Assocs., 4 Instrs.

*Radiology*

Bartelink, D. L., M.D. Amst. Prof.
Smith, I. H., M.D., M.Sc., F.R.C.S. Assoc. Prof.
Andrus, P. M., M.D. Asst. Prof.
1 Sr. Assoc., 3 Instrs.

*Surgery*

McLachlin, A. D., M.D., D.Sc., D.Phil. Oxon., F.R.C.S. Prof.
Grace, A. J., M.A., B.M., B.Ch. Oxon., F.R.C.S. Assoc. Prof
Foucar, H. O., B.A., M.D. Asst. Prof.
Johnston, R. A., M.D. Asst. Prof.
Ross, C. C., M.D. Manit., F.R.C.S. Ed. Asst. Prof.
2 Sr. Assocs., 3 Instrs. (Surgery).

**Michael Francis Fallon Memorial Professorship in Clin. Preventative Med.**

G. E. Hobbs, M.D., M.P.H. Mich.

**John and Mary R. Markle Lectureship in Med. Hist. and Lit.**

L. G. Stevenson, M.D., Ph.D. Johns H.

## 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. Dean of Men, T. L. Hoskin, M.A. Warden of Spencer Hall, Mrs. H. F. Struckett.

## AFFILIATED INSTITUTIONS

ASSUMPTION COLLEGE, Windsor, Ont. President and Prof. of English—Rev. E. C. LeBel, M.A. Chic. 50 other Profs. and Instrs. in Arts subjects.

URSULINE COLLEGE, London, Ont. Dean and Prof. of English—Mother Mary St. James, M.A. Qu. 23 other Profs. and Instrs. in Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. President and Prof. of Religious Knowledge—Rev. H. Lehmann, D.Th. 27 others in Arts Dept.

ST. PETER'S SEMINARY COLLEGE OF ARTS, London, Ont. Rector—Mgr. A. P. Mahoney. 9 other Profs. of Arts subjects.

MUSIC TEACHERS' COLLEGE, London, Ont. Director—H. Robb, D.D.S. Tor. 6 other Profs. and Instrs. in Music. Dr. Robb is also Principal of W. Ontario Conservatory of Music.

The above five Colleges give the full 4-yr. Arts Courses.

ALMA COLLEGE, St. Thomas, Ont., is a Junior Coll., giving the first 2 yrs. in Arts only. Principal—Mrs. Steele Sifton, B.A. Tor., B.Ed. Sask. 4 other college teachers.

HURON COLLEGE, London, Ont., is a theological coll.. Principal, Prof. of Divinity, Philos. and Ethics—Rev. W. R. Coleman, M.A. Tor., D.D. Wycliffe,

Other teachers not on staff of the Univ. : 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. T. R. Millman, Ph.D. McG., Lectr. in Church Hist. ; Rev. A. H. Crowfoot, M.A. Camb., D.D. Lond., Lectr. in Church Hist. ; Alice L. I. Graves, Lectr. in Homiletics.

## GENERAL INFORMATION

Incorporated by an Act of the Provincial Legislature in 1878 as the " Western University of London, Ontario," in connexion with the Church of England, the Univ. has become, under the provisions of amending Acts of 1908 and 1923, absolutely undenominational in its government, which is under provincial and municipal control. It consists of 4 divisions of the Univ. proper, the Coll. of Arts and Science (University College), the Medical School, the School of Nursing and the School of Business Administration, as well as the Affiliated Instns. listed above.

INCOME (for year ending June 30, 1952). $1,741,313 (Student Fees, 39·97 per cent. ; Investment Income, 1·02 per cent. ; Govt. Grants, 47·45 per cent. ; Other Grants and Gifts, 2·77 per cent. ; Other Revenue—Sundries, 3·18 per cent. ; Auxiliary Enterprises (net) and Athletics, 5·55 per cent. ; Special Income—Supplementary Grant, D.V.A., 0·06 per cent. ; Amounts applied from res. funds, $581,528.

FACULTIES AND SCHOOLS. Arts and Science (Dean—Prof. F. Stiling), Medicine (Dean—J. B. Collip), Nursing (Dean—Prof. Edith M. McDowell), Business Administration (Dean—L. W. Sipherd).

ADMISSION. *See* Appendix I.

DEGREE COURSES. 4 or 5 yrs. (from Jr. Matricn.), B.A. or B.Sc. ; 5 yrs., B.Sc. (in Nursing) ; 1 or 2 yrs. of graduate work, LL.B., M.A., M.B.A., M.Sc. ; 3 yrs. of graduate work, Ph.D. ; 6 yrs., M.D. ; 5 yrs. of clin. and grad. study, M.Cl.Sc. Attendance on part of the classes (other than Med. and Sci.) may be dispensed with by permission of the Senate, but all students must have attended lectures in the Univ. for at least 2 yrs. before they can graduate.

DIPLOMAS AND CERTIFICATES. Diploma in Business Administration ; Diploma in Journalism ; 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, $310-$350 ; Medicine, $550 ; Nursing, $350 ; Business Admin., $380.

The LIBRARIES contain about 200,000 vols. and several thousand pamphlets. The Barnett collection contains many rarities dealing *inter alia* with Canadian and American history. The Shakespeariana number about 1500 vols. and several thousand pamphlets.

CORRESPONDENCE AND EXTENSION WORK in winter sessions in some General Course subjects, offered mainly for teachers and other adult students, either as credit courses towards degrees or as non-credit cultural courses. No degree can be earned entirely in the Extension and Correspondence Division, without attendance at winter or summer sessions.

The SUMMER SCHOOL has approx. 600 students taking courses for degrees, some in London on the main campus and some at the English-French Summer School at Trois-Pistoles, Quebec.

LABORATORY. The J. B. Collip Res. Lab. 8 TEACHING HOSPITALS in London.

STUDENT RESIDENCES. Spencer Hall, London Township (for women), Brescia Hall (Ursuline Coll. women), Huron Coll. (Huron Coll. and Univ. Coll. men), fraternity houses and sorority houses for men and women above the freshman level.

The ALUMNI ASSOCIATION assumes some responsibility for the placement of graduates. The Dean of Men, however, supervises a placement service for summer and for permanent employment, and the School of Business Admin. has a Placement Bureau.

THE DEPT. OF MILITARY STUDIES offers training in the University Naval Training Division, or the R.C.A.F. University Squadron or the Canadian Officers' Training Corps.

PUBLICATIONS. *Arts and Science Announcement* (May); *Medical School Announcement* (Aug.); *The Business Quarterly*; *Medical Journal*; *Univ. Gazette*, twice a week during term; *Occidentalia* (May); *Admissions Handbook* (April); *School of Business Admin. Announcement* (May); *Fac. of Graduate Studies Announcement* (May); *Directory and Student Handbook* (Nov.); *Folio* (student literary publicn., Dec. and April).

## THE YEAR 1951–52

BENEFACTIONS. Sch. of Business Admin. Fund (Sundry Donors), $50,000, bringing total to $550,000; Grants-in-Aid and Contracts from foundations and outside organizations for res., $581,528 (including Defence Res. Bd., $178,297; Nat. Res. Council, $102,225; National Health Grants, $68,526; Natl. Cancer Inst., $66,022; U.S. Air Force, $53,223; Res. Council of Ont., $18,669; Life Insurance Med. Res. Fund, $10,156; Canadian Life Insurance Officers Assocn., $9978; Ont. Cancer Treatment and Res. Foundation, $6150; John & Mary R. Markle Foundation, $5805; John Labatt Ltd., $5324; F. K. Morrow Foundation, $5321.

NEW DEPARTMENT. Office of Counsellor to Men redesignated Dean of Men.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES who lectured in Fac. of Med. Tisdall Memorial Lecture, Dr. G. von Bonin, Ill.; J. A. Macgregor Memorial Lectureship, Dr. C. Weller, Mich.; Dr. F. R. Eccles Memorial Medical Alumni Lectureship, Dr. F. A. Coller, Mich.; Dr. B. T. McGhie Memorial Lecture, Dr. D. E. Cameron, McG.; Osler Society Lecture, Prof. J. F. Fulton, Yale; Alpha Omega Alpha Lecture, Prof. D. L. Thomson, McG.; Dr. R. Y. Stanier, Calif.; Dr. C. P. Leblond, McG.; Prof. K. J. Franklin, St. Bart.'s Hosp., Lond.; Sir Charles Hercus, N.Z.

RETIREMENTS. Dr. W. J. McLean, Assoc. Prof. of Physiotherapy; Ethel Sullivan, Medical Librarian.

RESIGNATIONS. Principal A. H. O'Neil, Huron Coll.; P. F. Pfalzner (Phys.); Prof. McCracken (Journalism); P. M. Andrus (Radiol.).

DEATH. E. D. Busby, Prof. of Genito-urinary Surg., Fac. of Med.

HONORARY DEGREES. *D.Litt.*—T. B. Costain, Canadian author of history and historical romances. *D.D.*—Rev. R. Niebuhr, on occasion of formal opening of new Huron Coll. bldgs. *LL.D.*—Sir John Wilson, curator of H.M. private stamp collection; Dr. F. J. H. Campbell, Prof. and former Dean of Med.; Hon. C. Walters, economist and former Dep. Minister of Finance in Prov. of Ont.; Hon. D. Porter, then Minister of Education in

Prov. of Ont.; Dr. G. C. Hale, Prof. of Med., W. Ont.; A. G. Hooper, Dir. of Secondary Sch. Educn. in Prov. of Ont.; D. Gordon, President, Canadian Natl. Railway; W. A. Mather, President of Canadian Pacific Railway; Hon. L. O. Breithaupt, Lt.-Gov. of Ont. and Official Visitor of Univ.

STUDENT NUMBERS.

| | *Part-Time** | *Full-Time* |
|---|---|---|
| Men | 789 | 2178 |
| Women | 801 | 694 |
| Total | 1590 | 2872 |

Postgraduate students, 185.

New admissions, 1097.

Students from other countries: 223. (Countries from which largest numbers came: U.S.A., 192; Br. Commonwealth, 9; S. America, 18.)

DEGREES, DIPLOMAS AND CERTIFICATES. Ph.D., 13; M.Sc., 26; M.B.A., 14; M.A., 20; M.D., 60; B.A., 536; B.Sc., 36; B.Sc. L.A., 9; B.Sc.N., 16; B.D., 2; Dipl. in Business Admin., 22; Dipl. in Music, 30; Certif. in Pub. Health Nursing, 16; Certif. Instr. in Nursing, 19.

* Many of these part-time students are teachers taking Extension and Summer Session courses.

# AUSTRALIA

UNIVERSITY OF ADELAIDE (p. 937)
AUSTRALIAN NATIONAL UNIVERSITY (p. 950)
UNIVERSITY OF MELBOURNE (p. 955)
NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY (p. 975)
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NEW ENGLAND UNIVERSITY COLLEGE (p. 1012)
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UNIVERSITY OF WESTERN AUSTRALIA (p. 1021)
CANBERRA UNIVERSITY COLLEGE (p. 1029)

# THE UNIVERSITIES OF AUSTRALIA

[Specially contributed for this edition in September 1953 by A. J. T. Ford, M.C., B.Ec., Secretary of the Australian Vice-Chancellors' Committee.]

## GENERAL DESCRIPTION

UNIVERSITY education in Australia had its origins a little over a hundred years ago when Universities were founded in New South Wales, the University of Sydney (1850), and in Victoria, the University of Melbourne (1853). In the other states Universities were founded as follows: in South Australia, the University of Adelaide (1874); in Tasmania, the University of Tasmania (1890); in Queensland, the University of Queensland (1909); and in Western Australia, the University of Western Australia (1911).

These Universities, though geographically widely distributed, nevertheless form a relatively homogeneous group owing to their general similarity of origin and constitution and to their relationship to the communities which they serve. All of them were established by Acts of the respective State Legislatures carried through in response to popular demands, in some cases with considerable financial assistance from private benefactors. They all receive substantial grants from the Commonwealth and State Governments, which have played an important part in their development. Like the British Universities generally, they are, by statute or Royal Charter, self-governing academic corporations.

In addition to this group of Universities, there are also two University Colleges. The first of these, the Canberra University College, was established at Canberra in 1930 by an enactment of the Commonwealth Government with the object of providing educational facilities at University standard in the newly developing Commonwealth capital. The Canberra University College is associated with the University of Melbourne, which is the examining and degree-conferring body. The second of the Colleges, the New England University College, was established in 1938 as a College of the University of Sydney. It is located at Armidale on the Northern Tablelands of New South Wales. These Colleges conform to the general pattern of the other Universities, though the scale of facilities and the range of studies available are naturally smaller.

In recent years two new Universities, both of which constitute departures from the traditional University pattern, have been established. The first of these, the Australian National University, was established at Canberra by an Act passed in 1946 by the Federal Parliament. The other, the New South Wales University of Technology, was incorporated by an Act of the New South Wales Parliament in 1949.

The Australian National University is a University of a special type as its activities are directed primarily to research work at the postgraduate level. The Australian National University Act provides

specifically for the establishment within the University of the John Curtin School of Medical Research, a Research School of Physical Sciences, a Research School of Social Sciences, and a Research School of Pacific Studies. Considerable progress has now been made in the development of the University, though some delay has been occasioned by present building difficulties. With the exception of the Department of Medical Chemistry, which is located in London, all the departments of the University are functioning in Canberra, and postgraduate students are being accepted to study for higher degrees.

The New South Wales University of Technology is also an institution of a special nature. The objects of the University are to provide facilities for higher specialized training in the various branches of technology and science in their application to industry and commerce, and to aid through research the development and application of science to industry. With these objects in view, courses provide for extensive practical experience in industry under the supervision of the University. However, 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. Power to decentralize the University's activities, both in its co-operation with industry and in its teaching services, is given to the University Council, and it was under this authority that a College of the University has been established within the Newcastle Technical College.

CONSTITUTION OF UNIVERSITIES. A. *Governing Bodies.* The governing bodies in the Australian Universities are designated either the " Senate " (Sydney, Queensland, Western Australia) or " Council " (Melbourne, Adelaide, Tasmania, New South Wales University of Technology, Australian National University and Canberra University College). In their statutory constitution they present (except for the Council of the New South Wales University of Technology, *see below*) a generally similar composite character, while differing in the proportions of the component elements. Their membership varies in number from 18 to 32.

In every case there is a substantial proportion of representatives elected by the general body of graduates, varying from one-third to more than one-half of the total membership, but only in Adelaide does it form the preponderant element. In every University there is a more or less direct representation of the State on the governing body, either by nomination by the Governor-in-Council or by election by the Houses of Parliament, and in two cases by *ex-officio* representation of the State Departments of Education. The Melbourne University Act of 1923 introduced a novel provision in that the Government nominees now include representatives not only of Parliament but of manufacturing, commercial, agricultural and industrial interests, and a representative of the technical schools. The governing bodies invariably include representatives of the teaching staff, in some cases by independent statutory right and elsewhere as part of the general representation of the academic body elected by the graduates. Usually provision

is also made for the election of representatives of the undergraduate body.

The Council of the New South Wales University of Technology differs from the governing bodies of the other Universities in that there is only one representative elected by graduates of the University. The Council comprises representatives of Parliament, industry and commerce, trade unions, technical education, professional bodies, the University of Sydney, and of the University's teaching staff, graduates and undergraduates.

B. *Graduate Academic Bodies.* As in the British Universities generally, there is in each of the Australian Universities, with the exception of the New South Wales University of Technology, another statutory academic body, consisting in the main, though not in all cases exclusively, of the general body of graduates. In those Universities in which the governing body is entitled Senate, the graduate body is called either Convocation or Council. When the governing body is styled Council, the graduate body is usually called the Senate, but in Melbourne 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.

FINANCES. The usual sources of revenue for the Universities established under State Acts have comprised, in addition to the grants from the respective State Governments referred to previously, income from students' fees and by way of donations or from endowments. However, in recent years the Commonwealth Government has also provided financial assistance to the Universities. This assistance took the form initially of grants to stimulate research in the Universities, and later the Universities were substantially subsidized to assist them to provide the facilities and staff necessary for the training of ex-Servicemen and women under the Commonwealth Reconstruction Training Scheme.

When the number of students attending the Universities under the Commonwealth Reconstruction Training Scheme began to decline in 1950, it became apparent that the consequent reduction in subsidies to the Universities would cause them serious financial difficulties. The Commonwealth Government accordingly appointed a Committee to enquire into the needs of the Universities both immediate and for long-term development. As a result of the interim report submitted by this Committee the Commonwealth Government enacted the States

Grants (Universities) Act, 1951. Under the Act the Commonwealth is providing grants to the States for University purposes of from £A803,000 to £A1,103,000 p.a. Since the initial Act the amount of assistance has been increased by an additional £A80,000 for the New South Wales University of Technology to take account of a large increase in student numbers since the enquiry by the Committee.

Grants to the Australian National University and the Canberra University College are made by the Commonwealth Government.

RESIDENTIAL COLLEGES. The founders of the first Australian Universities appear to have been influenced by the conception of a University which is embodied in the ancient residential foundations of Oxford and Cambridge. No doubt this could be attributed in part to the fact that they were contemplating Universities which were to serve the large, and comparatively thinly populated areas of the several Australian Colonies (long before their federation as States of a Commonwealth). Provision was therefore made at the outset for the establishment of residential Colleges which were conceived as religious foundations. These were entrusted to the Churches of the leading Christian denominations, namely, Church of England, Presbyterian, Methodist and Roman Catholic. The first Colleges provided for men, but not long after the founding of Colleges for women at Oxford and Cambridge, provision for residence of women students was made at Sydney and Melbourne. The Colleges in all the Universities are open to all students of good standing, without distinction of religious belief.

In order to understand the place which the College system occupies in the Australian Universities, it should be remembered that, while membership of a College implies membership of the University to which the College belongs, membership of the University does not necessarily imply membership of any of its Colleges. College tutorials are, therefore, supplementary to the teaching which the University provides for all its students (whether members of a College or not) and in consequence vary considerably from University to University. There is also considerable variation in the scale of College fees.

For a list of the Colleges and College fees payable *see under* the several Universities below.

The New England University College is different from the other institutions in that it provides accommodation for most of its students, who are drawn chiefly from the northern part of N.S.W. Unless their homes are in Armidale, students attending the College must take up residence.

University House at the Australian National University, opened early in 1954, provides accommodation facilities for single students and for some staff members. In addition, it provides up-to-date club facilities for members of the University.

FEES AND COST OF LIVING. The cost of living varies a good deal in different parts of Australia, but a student should be able to manage on

£A450-£A500 a year. Board and lodging should not cost more than £A5 a week, and meals can generally be obtained at the Universities by members of " Unions " and others at a cost of from 3s. to 5s. Sydney University Union has a refectory seating 450, and one-half of it is open to all members of the University and their guests. Adelaide University has a refectory seating 400, Melbourne has a Union building containing dining-rooms seating 700, and Western Australia has at present accommodation in its dining-rooms for about 200. A fully developed Union at an Australian University also provides all the comforts of a non-residential club for a membership fee ranging from £A1 to £A3 : 13 : 6 a year. In Adelaide there is a compulsory fee of £A6 : 10s. a year which covers membership of the Union, Sports Association and the Health Service. Facilities for rowing, football, cricket, field hockey and other games are provided by the Sports Clubs for correspondingly moderate fees, and numerous inter-varsity contests are held in vacations under the auspices of the Australian Universities' Sports Union.

Residence at a College is optional, except at New England University College and at the Australian National University, where unmarried students will be required to reside in University House. College fees, which are entirely separate from University fees, are on an inclusive basis for residence and tutorial assistance, and range from £A100 to £A192 per annum. Special arrangements can usually be made for residence during vacations, an additional charge then being made. Many students live in College on a total income of something less than £A450 a year. Several of the Colleges have liberal endowments for Scholarships and Bursaries.

For University fees *see under* the several Universities *below*.

ADMISSION. *See* Appendix I.

THE ACADEMIC YEAR. Undergraduate status is ordinarily defined in terms of academic years of study, *e.g.* " first year," " fifth year," etc.

The academic year begins in March and ends in November or December. It is subdivided into Terms, usually three, which may, or may not, include special examination periods. The Universities of Melbourne and Tasmania and the Canberra University College have each four Terms, but the fourth Term in these cases is devoted to examinations.

The New South Wales University of Technology provides a number of courses which operate for two terms only each year—March to September. During the remaining five months of the year, students gain practical experience in industry under the supervision of the University.

Although the inclusive dates of the terminal periods show some discrepancy in the different Universities, arrangements have been made to secure the coincidence of a substantial part of the inter-term vacations.

PERIODS OF STUDY. The Universities require not less than 3 yrs.' study for a B.A. or B.Sc.—in most cases, 4 yrs. if taken with Honours. The curriculum for the first degree in Medicine covers 6 yrs. The time needed to graduate in Law is usually 4 yrs., but some Universities allow graduates in Arts to shorten the prescribed period. Since

regulations do not always require each successive " year " to be taken as a whole, but allow credit to be given for subjects taken separately, many students, especially those able to give only part-time to their studies, spread their courses over periods longer than the normal. For information regarding other degrees and periods of study therefor, *see under* the several Universities.

CURRICULA AND COURSES. In general, it may be said that the character and range of studies in the Australian Universities correspond fairly well with those of British Universities of comparable size and organization. The subdivision of University studies into groups, under Faculties and Boards of Studies has, however, been carried further than is 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, even within the one Faculty, several distinctive degrees are obtainable along more or less differentiated lines of study.

A conspicuous instance of this is seen in the Faculty of Engineering in Melbourne, in which no fewer than 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.

For detailed information about the courses at any individual University, *see under* the several Universities *below* or refer to the Calendar or Handbook published by that University.

The following provides in the first place an outline of the nature of the courses available at the Universities of the six states. Later a separate reference is made to the courses at each of the Colleges, the Australian National University, and the New South Wales University of Technology.

Each of the Universities of the six states possesses Faculties of Arts, Science, Law and Engineering. All except Tasmania have Schools or Faculties of Agriculture.

Sydney and Queensland have Schools of Veterinary Science organized as separate Faculties. Melbourne, Western Australia, Adelaide and Tasmania provide only the first year of a Veterinary Science course in the Faculty of Science.

Sydney and Adelaide each have a separate Faculty of Economics, but as neither University has a Faculty of Commerce, all the various branches of both Economic and Commercial Studies are included in the Faculty of Economics. In Melbourne, there is a Faculty of Economics and Commerce, and in Queensland and Tasmania there are Faculties of Commerce. In each of the Universities (including Western Australia), the subject of Economics is represented by a separate Professorship,

and Economics is ordinarily included as a subject which may be taken for an Arts degree.

In Sydney, Melbourne and Queensland there are Faculties of Architecture. At Adelaide there is a special course in Architecture within the Faculty of Engineering. In Melbourne and Queensland, courses within the Faculty of Engineering lead to degrees in Surveying.

Melbourne and Adelaide have each a Faculty of Music with a full Professorship and a Conservatorium. In 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 Western Australia there is a readership in Music in the Faculty of Education. 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 and Queensland have Faculties of Education granting University degrees of Bachelor and Master of Education, previous qualification for another degree being a condition of entrance to the Education course. In each case, the Faculty contains several representatives of the State Department of Education. Tasmania has a Faculty of Education, having taken over the training of teachers from the State Education Department in 1948. A diploma of Education (available to graduates only) and a certificate for non-graduates are offered. Western Australia grants a first degree in Education, and recently established a postgraduate teachers' certificate course open to graduates of Western Australia or other approved Universities. Bachelors of Education may also proceed to the degree of Master of Education. In the other Universities, the subject of Education comes under the Faculty of Arts and enters into the composition of such alternative curricula for the Arts degrees as are specially adapted to the requirements of the professional training of teachers. Sydney now grants a degree of Master of Education, which may be awarded to graduates in other Faculties of not less than three years' standing who present a satisfactory thesis and pass an examination dealing with advanced work in education. The Professors of Education are usually, but not always, associated with the State Training Colleges. Special diplomas in Education are obtainable in the Universities of Sydney, Melbourne, Adelaide and Queensland by University graduates.

Courses in Physical Education controlled by a Board of Studies and leading to a diploma are now available in each of the larger Universities except Sydney. A course in Physical Education is now given in Western Australia as an optional part of the Bachelor of Education degree course.

The University of Sydney made provision for the study of Theology in 1937 and Sydney now has courses leading to the degree of Bachelor of Divinity and may confer the degree of Doctor of Divinity. In 1953 the University of Queensland established courses in Divinity: a degree course of three years' duration and a diploma course requiring a minimum of two years' study.

Canberra University College conducts courses in Commerce and Economics, Arts and Law; students comply with entrance conditions

of the University of Melbourne, take the examinations and obtain the degrees of that University. In addition, there is a School of Diplomatic Studies which provides training for cadets in the Department of External Affairs. A graduate of an approved University who is not a cadet may be admitted to the course in Diplomatic Studies after consultation with the Department of External Affairs. A School of Oriental Languages has recently been established at the College providing tuition initially in Chinese and Japanese; the teaching of Russian will also be placed within the School.

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 attend the first-year Pharmacy course. Graduate students may take the course for the diploma in Education.

Students of the Australian National University may normally proceed (after three years' work) to the Ph.D. in any of the schools of Medical Research, Physical Sciences, Social Sciences and Pacific Studies, or, alternatively, to an M.A. or M.Sc. in the appropriate field (usually after two years' work).

The New South Wales University of Technology at present has Faculties of Applied Science, Architecture and Engineering and provides undergraduate courses leading to degrees in Science (Applied Physics, Applied Chemistry, Chemical Engineering and Wool Technology), Engineering (Mechanical, Electrical, Mining and Civil) and Architecture. Postgraduate courses are also provided, leading to the degrees of Master of Science or Master of Engineering.

The Universities of Melbourne (1946), Sydney (1948), Western Australia (1948), Adelaide (1949), and Queensland (1950) have established the degree of Doctor of Philosophy, for which graduates of certain standing are eligible upon the successful completion of a full-time course, generally of two years' advanced study and research in the University. The University of Tasmania (1946) and the New South Wales University of Technology now provide courses for the degree of Doctor of Philosophy for graduates in Science and Engineering only, and some other Universities have similar Faculty limitations.

Professional Schools and Research Institutes. The Universities of Sydney, Melbourne, Adelaide and Queensland each possess well organized and equipped professional Schools under their Faculties of Medicine and Dentistry. These Schools have long been, and are now, mainly responsible for the training of the medical and dental professions in Australia. In Western Australia a Faculty of Dental Science was established in 1946 and the establishment of a medical school is under consideration.

The Universities of Sydney and Melbourne appoint Clinical Supervisors to each of the Teaching Hospitals to co-ordinate the clinical training of students. Thus an extensive and varied clinical field is secured, not only for undergraduate training, but in increasing measure for more advanced and specialized postgraduate study and research

in conjunction with the scientific laboratories of the Universities and other research institutions. Many postgraduate diploma courses are offered, including diplomas in Psychological Medicine, Dermatological Medicine and Clinical Pathology at Sydney and Australian diplomas in Public Health and Tropical Medicine and Hygiene from the School of Public Health and Tropical Medicine in the University of Sydney, and similar courses in the University of Melbourne. Both these Universities also grant diplomas in Ophthalmology, Laryngology and Otology, in Gynæcology and Obstetrics, in Therapeutic and Diagnostic Radiology and in Anæsthesia.

A Biophysics Section was established in Queensland in 1937 to manufacture radon and to carry out other work in connexion with the treatment of cancer. In Adelaide, the Anti-Cancer Campaign Committee maintains a radium and deep X-ray clinic at the Royal Adelaide Hospital, and a plant at the University for the production and manipulation of radon. Under an arrangement with the University of Melbourne the Commonwealth Government maintains there an X-ray and Radium Research Laboratory. At the University of Sydney a group of young members of the staffs of the medical and allied departments are continuing fundamental work on cancer and medical research problems which is financed by the Medical Research and Cancer Research funds.

In 1925 the University of Adelaide established the Waite Agricultural Research Institute, an important centre for research in agricultural and allied subjects at Glen Osmond, four miles from the city. The University of Western Australia also has an Institute of Agriculture (established in 1938) which serves as a centre for research in Agriculture and is located in the University grounds.

There are various University and associated Research Institutes in Adelaide, Melbourne and Sydney, where investigation is carried on into problems of Pathology, Bacteriology, Pharmacology, Radiotherapy, Cancer Research, Animal Nutrition, Animal Health, Entomology, etc.

DIPLOMAS. Numerous University diplomas are now obtainable in various branches of study in the Universities of Australia. They may be classed under three categories: (*a*) those obtainable by graduates as supplementary qualifications in particular subjects after special courses of study. To this group belong the postgraduate Medical diplomas already mentioned and also certain diplomas in Education; (*b*) diplomas obtainable by non-graduates after shorter or less comprehensive courses of study than those required for a University degree covering the same subject. This group includes certain diplomas in Commerce, Public Administration, Agriculture, Engineering, Music and Dramatic Art; (*c*) diplomas in subjects, usually of limited range, for which no special University degree is available, *e.g.* Journalism, Pharmacy, Anthropology, Town and Regional Planning and Social Studies. The present tendency is to reduce the number of sub-graduate diploma courses while extending the range of postgraduate diplomas.

From the beginning of 1951 the New South Wales University of Technology assumed responsibility for the provision of twenty diploma

courses in Engineering, Applied Science and Architecture, which were previously provided by the New South Wales Department of Technical Education. Students attending these courses have matriculated in the University and the courses require five or six years' part-time attendance concurrently with employment in industry. Having qualified for the diploma, the student may be admitted to the appropriate degree course with advanced standing and so proceed to the degree of Bachelor by further part-time attendance over at least two years.

EVENING LECTURES. Full University courses of evening lectures in Arts, and in some cases in Science, Commerce and Law subjects, are provided by the Universities of Adelaide, Melbourne, Sydney, Queensland, and Western Australia and by Canberra University College to enable a degree in those Faculties to be obtained by persons whose occupations preclude their attendance at the University during the day. At the University of Tasmania some lectures are given in the evening, while at the New England University College the time-table between 4 P.M. and 6 P.M. is so arranged that teachers and others employed in Armidale or district may undertake courses leading to the B.A. degree.

EXTERNAL STUDENTS. Only in special circumstances is external tuition permitted outside a State. Under the Regulations of the Universities of Melbourne and Queensland, attendance at lectures is not compulsory except in specified subjects. (These include most scientific subjects which require laboratory facilities.) It is therefore possible, though not common, to obtain an Arts degree as an external student. In Western Australia correspondence classes for external students are carried on in most Arts subjects, and in most subjects for the B.Ed. degree, under the guidance of tutors and with the help of a circulating reference library. Melbourne also provides correspondence tuition in certain subjects, but only for students resident in the country districts of Victoria. Canberra University College does not accept external students.

The Universities which permit the enrolment of external students, or provide for correspondence tuition, in general limit such facilities to residents within the State in which the University is situated. Queensland University does provide some external tuition for students in Australian territories outside the Australian continent, and external correspondence tuition has been provided by different Universities to members of the British Commonwealth Occupation Forces in Japan.

In the Universities of Adelaide and Tasmania exemption from some of the lectures of a course may be granted in special cases in which reasonable cause is shown.

In all the Universities there is provision for the recognition, for degree purposes, of various courses of instruction in institutions such as Technical Schools and Colleges.

UNIVERSITY EXTENSION LECTURES. University Extension Lectures were instituted at Sydney University in 1886 and at Melbourne in 1891. In 1913 Workers' Educational Associations were formed in all the States, except in Western Australia, to give effect to a movement for

bringing the Universities into closer relationship with the masses of the people. The movement was fostered by State grants and grew rapidly. Apart from Melbourne, where the W.E.A. has been merged in the new Council of Adult Education separately financed by the State Government, each University co-operates with the W.E.A. in the formation of a joint committee, which appoints tutors and supervises the work with the help of a University officer—the Director of Tutorial Classes. The total number of extension students throughout Australia is over 6000. In addition to these courses, a great many preparatory classes, study circles and summer schools are organized by the Association, numerous courses of public lectures are delivered, educational conferences promoted and an extensive book service is 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. Western Australia has no W.E.A. organization, and the work is under the control of an Adult Education Board representative of University and other interests acting under the University Senate. The Adult Education Board conducts lectures in the city and suburbs and books from the Adult Education Library are available to metropolitan and country subscribers. In addition, the Board organizes Discussion Groups, Music Recitals, Film Shows and performances of Drama and Ballet in town and country areas and conducts an annual Summer School at the University. 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 of New York, Nuffield Foundation, Gowrie Trust and the United States Educational Foundation in Australia (Fulbright Scheme). These scholarships enable selected students to extend their studies in the postgraduate field and are a valuable link between the Universities of Australia and those of England and the U.S.A.

COMMONWEALTH SCHOLARSHIP SCHEME. The Commonwealth Scholarship Scheme, which was established by the Commonwealth Government, came into operation on January 1, 1951. Under the Scheme, 3000 scholarships are provided each year for open competition to students who wish to undertake courses at Universities and other approved institutions of higher education. Scholarships are awarded entirely on merit and no regard is paid to the means of the student's parents. Scholars who undertake approved full-time courses on a full-time basis may apply for a living allowance which is payable subject to a means test. Applicants and their parents must be resident in Australia at the time of the award of the Scholarship and must intend to remain permanently in Australia.

INTER-UNIVERSITY ORGANIZATIONS. After a conference held at Sydney in 1920 the Australian Universities established a Standing

Advisory Committee to deal with matters of common interest. The office of the Committee, now known as the Australian Vice-Chancellors' Committee, is located at the Australian National University in Canberra. The Committee meets at least twice a year, usually in March and October, or more frequently should occasion demand. In addition, an annual conference of the Registrars of the Australian Universities is held, usually in August, under the auspices of the Committee. Emeritus Professor S. H. Roberts, Vice-Chancellor of the University of Sydney, is the present Chairman of the Committee, and the Secretary is A. J. T. Ford. Enquiries should be directed to the Secretary, Australian Vice-Chancellors' Committee, c/o Australian National University, Box 4, G.P.O., Canberra, A.C.T.

In order to ensure that a flow of trained personnel from Universities would be sufficient to meet the needs of the country during the war and post-war periods the Commonwealth Government in 1942 set up the Universities Commission.

Under the Education Act of 1945, which established the Commonwealth Office of Education, the Universities Commission was made a permanent body functioning within the framework of the Commonwealth Office of Education, which provides a Secretariat for the Universities Commission. The Director of the Office of Education, W. J. Weeden, is Chairman of the Universities Commission, which confers from time to time with the Vice-Chancellors' Committee. The Commission has its head office at Grace Building, York Street, Sydney (*postal address*: Box 3879, G.P.O., Sydney), and branch offices in each State (except Tasmania).

The Universities Commission administers the Commonwealth Reconstruction Scheme under which ex-Servicemen are trained at University level, and is responsible for the co-ordination of policy in respect of the Commonwealth Scholarship Scheme. In addition, the Commission advises the Commonwealth Government on other matters relating to University training and associated matters as are referred to the Commission for advice.

The Commonwealth Office of Education, *inter alia*, is responsible for the administration of schemes sponsored by the Commonwealth government for the training at University level of students nominated by participating South-East Asian countries.

In addition, it is responsible for administering the State Grants (Universities) Act under which the Commonwealth makes grants to the States for University purposes.

STATISTICS of University staff, students and finance are published annually in the official Year-Book by the Commonwealth Bureau of Census and Statistics, from which a more detailed bulletin in typescript form may be obtained (*see* p. 1707).

[*Information compiled as at* 18/5/53.]

# THE UNIVERSITY OF ADELAIDE*

Founded 1874

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ASSISTANT REGISTRAR—V. A. EDGELOE, B.A.
LIBRARIAN—W. A. COWAN, M.A. N.Z., B.A. Lond.

## TEACHING STAFF

*Agriculture*, v. Waite Agric. Research Inst., *infra*

*Anatomy*

Abbie, A. A., M.D., D.Sc. Syd., Ph.D. Lond., F.R.A.C.P. Elder Prof.
Adey, W. R., M.D. Reader.
Packer, A. D., M.Sc., M.D. Sr. Lectr.
Murphy, T. Lectr.
Green, Lorna M. A., B.A., B.Sc. (Histol.) Lectr.
Barbour, J. R., M.B., M.S., F.R.C.S. Pt.-time Lectr.

*Animal Products*, v. Animal Products Research Foundation, *infra*

*Bacteriology*

..... Prof.
Atkinson, Nancy, O.B.E., M.Sc. Melb. Reader-in-Charge.
McLean, Sibely J., M.Sc. Lectr.
Collins, F. M., M.Sc. Asst. Lectr.

*Biochemistry and General Physiology*

Mitchell, M. L., M.Sc. Camb. Prof.
Nossal, P., M.Sc. Syd., Ph.D. Sheff. Sr. Lectr.
Jarrett, I. G., M.Sc. (Agric. B.) Pt.-time Lectr.

*Botany*

Wood, J. G., Ph.D. Camb., D.Sc. Prof.
Hansford, C. G., M.A., Sc.D. Camb., F.L.S. (Plant Pathol.) Reader.
Womersley, H. B. S., M.Sc. (Cryptogamic B.) Sr. Lectr.
Specht, R. L., M.Sc. Lectr.
Riches, J. P., Ph.D. Camb. Lectr.
Eardley, Constance M., M.Sc. Systematic Botanist.
McCarthy, Doreen F., B.A., B.Sc. (Biol.) Pt.-time Lectr.

*Chemistry*

Macbeth, A. K., C.M.G., M.A. St. And., D.Sc. Belf., F.R.I.C. Angas Prof.
..... Reader.
Badger, G. M., Ph.D. Lond., D.Sc. Glas. Reader.
Jellinek, H. H. G., Ph.D. Lond. and Camb. Sr. Lectr.

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

Rodda, H. J., Ph.D. Camb., M.Sc. Sr. Lectr.
Winzor, F. L., D.Sc. Lectr.
Jeffries, P. R., M.Sc. W.Aust., Ph.D. Sheff. Lectr.
West, B. O., B.Sc. Lectr.
Urwin, J. R., B.Sc. Lectr.
Beckwith, A. L. J., B.Sc. W.Aust. Actg. Lectr.
Eberhard, S. T., B.Sc. Pt.-time Lectr.
Gagolski, J., Ph.Mgr. Poland Jr. Res. Fellow.

*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. Res. Fellow in Australian Linguistics.

*Commerce and Public Admin.*

Mathews, R. L., B.A., B.Com. Melb. (Coml. Studies) Reader.

Part-time Lecturers

Painter, E. W., A.U.A., F.C.A. Aust. (Accountancy).
Pascoe, R. F. (Cost Accountancy).
Palmer, E. W., LL.B. (Coml. Law).
Isaachsen, O.C., LL.B. (Coml. Law).
Zelling, H. E., LL.B. (Coml. Law).
Tillett, A. C., A.U.A. (Pub. Admin.).
Carey, E. J., B.Ec. (Pub. Finance).
6 Pt.-time Tutors.

*Dentistry*, v. *infra*

*Economics*, v. also Com.

Karmel, P. H., B.A. Melb., Ph.D. Camb. Prof.
Hirst, R. R., M.Ec. Reader.
Russell, E. A., B.A., B.Com. Melb., B.A. Camb. Sr. Lectr.
Grant, J. McB., M.Ec. Lectr.
Jarrett, F. G., B.Agr.Sc. Syd., Ph.D. Iowa Lectr.
Bailey, A. P., M.Ec. Pt.-time Lectr.

*Education*

Penny, H. H., Ph.D. Lond., M.A. Lectr.
4 Pt.-time Lectrs.

*Engineering, Architectural*

Walkley, G., M.A., M.Litt. Camb., B.E. Lectr.

*Engineering, Civil*

Bull, F. B., M.A. Camb., B.Sc. Lond. Prof.
Farrent, T. A., B.Sc., B.E. Reader.
Robinson, A. J., B.C.E. Melb. Sr. Lectr.
Sved, G., Dip.Mech.Eng. 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.
Shen, D. W. C., Ph.D. Lond. Sr. Lectr.
Pawsey, D. C., B.E.E. Melb. Lectr.
Prime, H. A., M.Sc. Manc. Sr. Res. Fellow.

*Engineering, Mechanical*

Davis, H. H., B.Sc., B.E. Syd., Ph.D. Camb. Prof.
Duncan, J. P., B.E. Sr. Lectr.
Barden, R. G., B.Sc. Lond. Sr. Lectr.
Davies, P. O. A. L., B.E. Syd., Ph.D. Camb. Sr. Lectr.

*English Lang. and Literature*

Jeffares, A. N., M.A. Dub., D.Phil. Oxon. Jury Prof.

Piper, H. W., B.A. Oxon. Reader.
Davies, M. Bryn, M.A. Oxon. Sr. Lectr.
Elliott, B. R., M.A. W.Aust. Sr. Lectr.
Muecke, D. C., B.A. Oxon. Lectr.

*Experimental Medicine*

..... Keith Sheridan Prof.

*French*

Cornell, J. G., M.A. Melb., L. ès L. Paris Prof.
Crampton, Mary H. St. C., M.A. Sr. Lectr.
Valuet, M., L. ès L. Paris Lectr.

*Geography*

Lawton, G. H., M.A. Oxon., B.Ed. Melb. Reader-in-Charge.

Part-time Lecturers

Martin, F. C., M.A.
Marshall, Ann, M.Sc. Melb.
Price, A. Grenfell, C.M.G., D.Litt.

*Geology and Mineralogy*

Alderman, A. R., Ph.D. Camb., D.Sc. Prof.
Glaessner, M. F., Ph.D. Vienna, D.Sc. Melb. Reader.
Kleeman, A. W., M.Sc. Sr. Lectr.
Segnit, E. R., Ph.D. Camb., M.Sc. Sr. Lectr.
Hossfeld, P. S., Ph.D. Temp. Lectr.

*Geology, Economic*

Rudd, E. A., A.M. Harv., B.Sc. Prof.

*German*

Van Abbe, D., M.A. Camb., Ph.D. Melb. Reader-in-Charge.
Coghlan, B. L. D., B.A. Birm. Lectr.

*History 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.
O'Connell, D. P., B.A., LL.M. N.Z., Ph.D. Camb.
Fridman, G. H. L., B.A., B.C.L. Oxon. Lectr.

Part-time Lecturers

Chamberlain, R. R. St. C., Q.C., LL.B. (Criminal L.).
Pickering, A. L., LL.B. (Evidence and Procedure).
Whitington, L. A., LL.B. (Companies, Partnership, Bankruptcy and Divorce).
Stevens, E. L., LL.B. (Equity and Conveyancing).
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Moulden, A. M., LL.B. (Legal Ethics).

*Mathematical Physics*

Green, H. S., Ph.D. Lond., D.Sc. Edin. Prof.
..... Sr. Lectr.
Bergman, O., Ph.D. Dub. Sr. Res. Fellow.

*Mathematics*

Sanders, H. W., M.A. Camb. Elder Prof.
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Senior Lecturers

Gray, M. C., B.Sc.
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Rennie, B. C., Ph.D. Camb.

Lecturer

Potts, R. B., D.Phil. Oxon., B.Sc.

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Capon, R. S., O.B.E., B.A.

Cornish, E. A., D.Sc. (Stats.).
Michael, J. H., M.Sc.

*Medicine*, v. *infra*

*Mining, Metallurgical and Chemical Engineering*

Spooner, E. C. R., D.Phil. Oxon., D.Sc. Tas. Prof.
Morgan, J. P., B.Sc. (Eng.) (Mining Engin.) Reader.
Tait, R. W. F., Ph.D. Birm. (Chem. Engin.) Sr. Lectr.

*Music*, v. also p. 942—Elder Conservatorium of Music

Bishop, J. Elder Prof.
Horner, J. A., F.R.C.O. Lectr.
Parsons, H. S., Mus.Bac. Lectr.

*Pathology*

Robertson, J. S., M.B., B.S. Syd., D.Phil. Oxon. Marks Prof.
Barter, R. A., M.D. Sr. Lectr.

Lecturers

Reid, R. T. W., M.B., B.S.
Cohen, A. K., M.B., B.S.

*Pharmacy*

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Bowey, A. E., B.Sc.
Walter, O. H., F.C.A. Aust. (Forensic and Comm. Pharm.) Pt.-time Lectr.

*Philosophy*

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Finnis, M. M. S., B.A. Sr. Lectr.

Lecturers

Place, U. T., M.A., Dip.Anthrop. Oxon. (Psychol.).
Martin, C. B., B.A. Boston.
Lovibond, S. H., B.A. Melb., A.U.A. (Psychol.).

*Physical Education*

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Barwell, Elizabeth M. Lectr.

*Physics*

Huxley, L. G. H., M.A., D.Phil. Oxon. Elder Prof.
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Tomlin, S. G., Ph.D. Lond. Reader.
Fuller, G. R., B.Sc. Sr. Lectr.

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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.).
Robertson, D. S., M.Sc. Birm., B.Sc. Res. Fellow.
Weiss, A. R., B.Sc. Jr. Res. Fellow.

*Physiology, General*, v. Biochemistry

*Physiology, Human, and Pharmacology*

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Lippay, F., M.D., D.Jur. Vienna, D.Sc. Reader.
Kerr, D. I. B., B.Sc. Lectr.

*Physiotherapy*

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*Social Science*

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Maclennan, Flora J. Asst. Lectr.

*Zoology*

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Edmonds, S. J., B.A., M.Sc. Lectr.
McCarthy, Doreen F., B.A., B.Sc. (Biol.) Pt.-time Lectr.
Angel, L. Madeline, M.Sc. Sr. Demr.
Thomas, Patricia M., M.Sc. Jr. Res. Fellow.

### Dentistry

(*See also* Anat., Bacteriol., Biochem., Chem., Pathol., Physiol. and Zool.)

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Eustace, J. L., B.D.S. Sr. Tutor.

Part-time Lecturers

Krysko, W. (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).
Maddern, C. B., D.D.Sc. (Dental Public Health and Services).
Marshman, W. M., B.D.S. (Children's D.).

Instructors

Rice, J. D., M.B., B.S. (Anæsthetics).
Cran, J. A., M.D.S. (Radiography).

*Crown and Bridge Work*

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2 Pt.-time Demrs.

*D. Anatomy*

Campbell, T. D., D.Sc., D.D.Sc. Pt.-time Lectr.
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*D. Surg. and Pathol.*

Cran, J. A., M.D.S. Pt.-time Lectr.
2 Pt.-time Demrs.

*Operative D.*

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8 Pt.-time Tutors and 3 Pt.-time Demrs.

*Orthodontics*

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*Periodontics*

Evans, M. W., D.D.Sc. Pt.-time Lectr.
1 Pt.-time Demr.

*Prosthetic D.*

Barrett, M. J., M.D.S. Reader.
Edwards, H. T. J., D.D.Sc. Pt.-time Lectr.
4 Pt.-time Tutors and 5 Pt.-time Demrs.

### Medicine

(*See also* Anat., Bacteriol., Biochem., Bot., Chem., Exper. Med., Pathol., Physics, Physiol. and Zool.)

*Division of Medical Studies*

Robson, H. N., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.

Part-time Lecturers

Beare, F. H., M.D., D.P.M. (Med.).
Hetzel, K. S., M.D., F.R.C.P., F.R.A.C.P. (Med.).
Hone, F. R., B.Sc., M.D. (Med.).
Southwood, H. M., M.D. (Psych. Med.).
Woodruff, P. S., M.D. Melb., D.T.M. & H. Syd. (Pulmonary Tuberculosis).
Grant, R. L. T., M.B., B.S., F.R.A.C.P. (Med. Dis. of Children).
Colton, R. S., M.B., B.S. Full-time Asst. to Dir.
Angove, R. C., M.B., B.S. Pt.-time Asst to Dir.
Taylor, M. G., M.B., B.S. Res. Fellow.
6 Tutors in Med., 2 Tutors in Infectious Diseases, 1 Tutor in Pædiatrics.

*Division of Surgical Studies*

Messent, Sir Philip S., M.B., M.S. Dir.

Part-time Lecturers

Jones, A. T. B., M.B., B.S., F.R.C.S.Ed. (Surg.).
Lendon, A. H., M.B., B.S., F.R.C.S. (Surg.).
McEachern, A. C., 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., F.R A.C.S. (Ophthal. Surg.) Gosse Lectr.
Glynn, R. M., M.B., B.S., F.R.C.S. Ed. (Dis. of Ear, Nose and Throat).
McKay, D. G., M.B., B.S., F.R.C.S. Ed. (Surg. Dis. of Children).
Lamphee, A. D., M.B., B.S. (Anæsthetics).

Part-time Tutor

McCoy, H. A., M.B., B.S. Syd., D.M.R.E. Camb. (Radiol.).
Goode, P. C. R., M.B., B.S. Full-time Asst. to Dir.
Campbell, A. G., M.B., M.S., F.R.C.S. Pt.-time Asst. to Dir.
White, G. W., M.B., B.S. Res. Fellow.
6 Part-time Tutors in Surgery.

*Gynæcology*

Pellew, H. E., M.B., B.S. Way Lectr.

*Obstetrics*

Poidevin, L. O. S., M.B., B.S. Syd. Dir.

*Public Health and Preventive Medicine*

Southwood, A. R., C.M.G., M.D., M.S. Pt.-time Lectr.
2 Pt.-time Demrs.

Clinical Teachers

The Staffs of the Royal Adelaide and of the Children's Hospls.

**Animal Products Research Foundation**

Marston, H. R., F.R.S. Chairman, Advisory Bd.
Dawbarn, Mary C., M.Sc. Res. Chemist.

**Anti-Cancer Committee**

Mayo, J. C., M.D., F.R.C.S.Ed. Chairman of Cttee.
Hanson, B. S., M.B., B.S. Hon. Radiotherapist.
Dibden, F. A., M.B., B.S. Medical Officer.
Heitman, Dorothea S., M.B., B.S. Asst. Registrar.
Phillips, Pamela R., M.B , B.S. Asst. Registrar.
Worthley, B. W., B.A., M.Sc. Sr. Physicist.
Tooze, M. J., B.Sc. Physicist.
Fry, R. M., B.Sc. Physicist.

**The Elder Conservatorium of Music**

Bishop, J. Dir.

Teachers

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Johnston, F.

*Aural Culture and Musical Appreciation*

Holder, Alison, Mus.Bac.

*Bassoon*

Good, J. G.

*Clarinet*

Martin, C.
Blaylock, A.
Clews, J. C. H.

*Drama*

Johnston, F.

*Ensemble Playing and Orchestral Class*

Davies, L.
Fairhurst, H.
Good, J. G.

*Flute*
Yelland, K.

*French Horn*
Sadler, B.

*Oboe*
Post, N.

*Opera*
Howard, Barbara.

*Organ*
Horner, J. A., F.R.C.O.
Wylde, H., F.R.C.O.

*Percussion*
Makin, K.

*Pianoforte*
Dossor, L.
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.
Worthley, M.

*Violin*
Davies, L.
Fairhurst, H.
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. Dir.

*Agricultural Chemistry*
Prescott, J. A., C.B.E., D.Sc., F.R.S. Waite Prof.
Piper, C. S., D.Sc. (Soil C.) Reader.
Best, R. J., D.Sc. Sr. Chemist.

Chemists
Gallus, H. P. C., M.Sc. Analyst.
Tyson, A. G., B.Sc.
Lewis, D. G., B.Sc.

*Agronomy*
..... Waite Prof.
Black, J. N., M.A., D.Phil. Oxon. Sr. Agronomist.
.....

Agronomists
Symon, D. E., B.Ag.Sc.
Millington, R. J., M.Sc. Syd.

Temporary Agronomists
Roark, B. A., B.Sc. W.Aust.
Kleinig, C. R., B.Ag.Sc.

*Entomology*
Swan, D. C., M.Sc. Sr. Entomologist-in-Charge.
Andrewartha, H. G., D.Sc. Sr. Entomologist.
Browning, T. O., B.Sc. Syd., Ph.D. Entomologist.
Lower, H. S. F. Systematic Entomologist.
Madge, P. E., B.Sc. Syd., M.Ag.Sc. Entomologist.
Maelzer, D. A., B.Sc. W.Aust. Res. Fellow.

*Genetics*
Catcheside, D. G., M.A. Camb., D.Sc. Lond., F.R.S. Prof.
..... Sr. Plant Geneticist.

Plant Geneticists
Mayo, G. M. E., B.Ag.Sc.
Mathieson, Margaret J., Ph.D. Camb., M.Sc. Melb.
Abele, K., M.A. Riga, Ph.D. Marburg Cytologist.

*Plant Pathology*
Hansford, C. G., M.A., Sc.D. Camb., F.L.S. Reader-in-Charge.
Flentje, N. T., Ph.D. Lond., M.Sc. Sr. Plant Pathologist.
Warcup, J. H., Ph.D. Lond., M.Sc. N.Z. Sr. Microbiologist.

Plant Pathologists

Crowley, N. C., B.Ag.Sc.
Kerr, A., B.Sc. Edin.

*Plant Physiology*

Milthorpe, F. L., Ph.D. Lond., M.Sc.Agr. Syd.
Sr. Plant Physiologist.

Plant Physiologists

May, L. H., B.Sc. (on leave)
Marinos, N. G., B.A., M.Sc.

Systematic Botanist

Hilton, F. M., B.Ag.Sc.

Statistician

Mathison, Irena, M.Phil. Cracow.

## ADMINISTRATIVE AND OTHER STAFF

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## ASSOCIATED OR AFFILIATED INSTITUTIONS

ST. MARK'S COLLEGE [residential], Pennington Terrace, North Adelaide, S.A. (*Telephone*: Adelaide M. 9211.) Under management of Church of England, but open to men of all denominations. Opened for students in March 1925. Master—A. Grenfell Price, C.M.G., D.Litt., Dip.Ed. Oxon.

ST. ANN'S COLLEGE [residential], Brougham Place, North Adelaide, S.A. (*Telephone*: Adelaide M. 9078.) Open to women of all denominations. Opened for students in March 1947. Principal—Lilian Bush, M.A. Edin.

AQUINAS COLLEGE [residential], Montefiore Hill, North Adelaide, S.A. (*Telephone*: Adelaide M. 9944.) Under the management of the Roman Catholic Church, but open to men of all denominations. Opened for students in March 1950. Rector—Very Rev. Fr. M. A. M. Scott, M.Sc. Dub.

LINCOLN COLLEGE [residential], Brougham Place, North Adelaide, S.A. (*Telephone*: Adelaide M. 9062.) Under the management of the Methodist Church, but open to men of all denominations. Opened for students in March 1952. Master—Rev. F. Hambly, M.A., B.D. Melb.

S. AUSTRALIAN SCHOOL OF MINES AND INDUSTRIES, North Terrace, Adelaide, S.A. (*Telephone*: Adelaide W. 1771.) President—Prof. Sir Kerr Grant, M.Sc., F.I.P. Principal—R. W. Parsons, M.E. Affiliated with the Univ. for the provision of certain courses and examns. in Archit., Mining, Metall. and Chem., Elect., Mech. and Civ. Engin.

ROSEWORTHY AGRICULTURAL COLLEGE, Roseworthy, S.A. (*Telephone*: Roseworthy 2.) Principal—R. N. McCulloch, D.Sc. Q'ld. Affiliated for parts of the B.Ag.Sc. course for Agric. students.

TEACHING HOSPITALS ASSOCIATED WITH MEDICAL SCHOOL. Royal Adelaide Hospital, approx. 800 beds, apart from subsidiary hospitals for cancer, tuberculosis, infectious diseases, etc.; Queen 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 £A20,000 each from Sir W. W. Hughes and

Sir Thomas Elder, a land grant of 50,000 acres (subsequently repurchased by the govt. for £A40,000), a site of 5 acres in the city and an annual govt. subsidy of 5 per cent. on endowments. The original site was increased to 8 acres in 1920, to 14 acres in 1927 and in 1929 to 27 acres. The govt. subsidy on endowments is limited to £A40,000. The Council consists of the Chancellor, the Vice-Chancellor, 20 members elected by the Senate and (since 1911) 5 elected by Parliament. State grants (apart from the subsidy on endowments) for annual running costs have been increased from time to time and amounted in 1951 to £A398,842, excluding an amount of £A65,000 for the Waite Agric. Res. Inst. The total value of the endowments is over £A1¼ million, and the income in 1952 was £A654,601.

LIBRARY. Approx. 171,000 vols.

LABORATORIES. At the Univ.—Anat., Bacteriol., Biochem., Bot., Chem., Engin. (Civil, Elect., Mech., Mining, Metall. and Chem. Engin.), Geol., Histol., Pathol., Phys., Physiol., Pharmacol. and Zool. At the Waite Inst.—*see below*.

The ELDER CONSERVATORIUM OF MUSIC (for staff *see* pp. 942-943 *above*), established in 1898, is part of the Univ., and provides tuition in a wide range of studies in the performance of music. Its students include not only those proceeding to the Univ. diploma but also many others who wish to study a principal subject (*e.g.* singing or pianoforte) or to undergo training in group work such as orchestral and operatic performances and who satisfy the Dir. of their fitness to be admitted.

The WAITE AGRICULTURAL RESEARCH INSTITUTE (for staff *see* pp. 943-944 *above*) was established in 1924 as a result of a gift by the late Mr. Peter Waite of an estate of 299 acres, a mansion-house and a trust fund of £A58,450. Subsequent endowments and govt. grants have expanded the work of the Inst., the annual expenditure of which in 1952 was £A124,949. The purpose of the Inst. is " to further the cause of research and education in agriculture and allied subjects "; its depts. comprise Agricultural Chem., Agronomy, Entomol., Genetics, Plant Pathol. and Plant Physiol.

OTHER SPECIAL RESEARCH DEPARTMENTS. (1) Field Lab. at Koonamore for investigation of plant regeneration in arid areas. (2) Sheridan Medical Research Foundation for the support of medical res. (3) Animal Products Research Foundation, which conducts investigations into problems of animal nutrition, *see* Staff List, *above*. (4) Board for Anthropological Res. on the aboriginals of S. Australia. (5) The Anti-Cancer Cttee. directs res. into the cause, treatment and cure of cancer. (6) John Mortlock Research Station at Yudnapinna.

COLLECTIONS OF INTEREST TO SPECIALIST SCHOLARS. Collection of Australian endoparasites. Prof. J. B. Cleland's collection of the higher Australian fungi (Basidiomycetes), by far the largest of its kind, is available for study by mycologists and forest pathologists. Collection of representative specimens from all the Australian opal fields. Anthropological collection of Australian skeletons. Collections of marsupial material. Herbarium of Australian plants.

FACULTIES. Agric. Science, Arts, Dent., Econ., Engin., Law, Med., Music, Science.

BOARDS OF STUDIES. Physical Educn.; Social Science; Pharmacy; Physiotherapy; Research Studies.

ADMISSION. *See* Appendix I.

DEGREES. Obtainable after 3 yrs.' course, B.A., B.Sc., B.Ec. (4th yr. for Hons. in each case); 4 yrs.', B.E. (5th yr. for Hons.), B.Ag.Sc. (5th yr. for

Hons.), Mus.Bac. ; 5 yrs.', LL.B., B.D.S. ; 6 yrs.', M.B., B.S. ; and B.Med.Sc. for additional work in a basic medical sci.

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., M.Ag.Sc., M.Ec., M.E., LL.M., M.D.S. ; 3 yrs.', M.D., M.S., D.D.Sc., Mus.Doc. ; 4 yrs.', D.Sc., LL.D., D.Litt. ; and Ph.D. for res. within the Univ.

PUBLIC EXAMINATIONS. *See* Appendix I.

DIPLOMAS. Pharmacy, 4 yrs.' course ; Pre-Primary, Primary and Secondary Education, each 1 yr. after graduation ; Music, 3 yrs. ; Physical Education, 3 yrs. ; Social Science, 3 yrs. ; Physiotherapy, 3 yrs.

Fellowship of the Elder Conservatorium of Music for eminence as a performer of music.

A "Final Certificate in Law" for admission as a practitioner in the Supreme Court is obtainable by articled clerks on a curriculum less extensive than that for the LL.B.

Apart from the examns. for its degrees and dipls. the Univ. conducts PUBLIC EXAMNS. of various grades in General Education—Intermediate, Leaving, and Leaving Honours, and in Music.

FEES. Matricn., £A1 : 1s. ; *ad eundem statum*, £A2 : 2s. ; Admission to Degrees :—B.A., M.A., B.Ec., M.Ec., B.Sc., M.Sc., B.Ag.Sc., B.Med.Sc., Mus.Bac., M.D.S., M.E., LL.M., LL.D., M.D., D.D.Sc., Mus.Doc., D.Sc., D.Litt., LL.B., B.E., £A5 : 5s. ; Ph.D., £A7 : 7s. ; M.S. £A10 : 10s. ; Diplomas in Educn., Pub. Admin., Commerce, Music, Physical Educn., Social Science, Physiotherapy, Pharmacy, £A2 : 2s. ; F.E.C.M., £A5 : 5s. ; Degree courses in Arts about £A75 ; Economics about £A75 ; Sci. about £A135 ; Engin. about £A170 ; Law about £A130 ; Medicine, £A240 (excluding Hospl., £A65, and incidentals, £A50) ; Dentistry, £A250 (plus incidentals, £A35) ; Music, £A70 ; Tuition Conservatorium, £A16 : 16s. p.a. minimum.

The COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION'S Section of Statistics and Division of Biochem. and General Nutrition are housed within the Univ. grounds and its Division of Soils at the Waite Inst.—a total of about 50 scientific res. officers and their ancillary staff.

EXTERNAL DEGREES. The Univ. does not award any degree or diploma for external studies, though in certain courses, *e.g.* Arts, Law and Econ., S. Australian students may, in special circumstances, be exempted from attendance at lectures.

ADULT EDUCATION. The Joint Cttee. of the Univ. and the W.E.A. conducts an extensive range of lecture, tutorial and discussion classes and study circles for adults in the metropolitan area of Adelaide. Tutor-in-Charge : E. G. Biaggini, D.Litt.

APPOINTMENTS BOARD. The Univ. maintains a small appointments service for the benefit of jr. graduates. Sec. : F. H. Johnson, M.A. Oxon.

MUSEUMS. One each in the Depts. of Anat., Bot., Geol., Pathol. and Physiol.

SERVICE UNITS. The Univ. Regiment was formed in 1947 and the Univ. Air Squadron in 1950.

STUDENT HEALTH SERVICE. The Univ. Union provides a student health service which 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 £A6 : 10s. covers membership of both the Union and the Sports Assoc.). The Union controls the refectory and maintains the Health Service. Sec. of the Union and of the Sports Assoc., K. T. Hamilton.

The GRADUATES' UNION is a constituent member of the Univ. Union. Hon. Sec., F. H. Johnson, M.A. Oxon.

RESIDENCE. St. Mark's College (accommodates about 100 men), fee for residence during term about £A200 p.a. St. Ann's (about 50 women), fee for residence during term about £150 p.a. Aquinas (about 65 men), fee for residence during term about £A150 p.a. Lincoln (about 60 men), fee for residence during term about £A190 p.a.

PUBLICATIONS. *Calendar* (April), 7s. 6d.; *Public Examinations Manual* (April), 5s.; *Degree and Diploma Examination Papers*, 5s.; *Regulations*, 2s.; *Syllabuses and Timetables*, 2s.; *Australian Journal of Experimental Biology and Medical Science*, two-monthly, £A2 p.a.; *Joseph Fisher Lecture in Commerce*, free. Student Publications. *On Dit* (fortnightly), 3d.; *Science Journal* (annually), 2s.; *Engineering Journal* (annually), 2s.

## THE YEAR 1952

BENEFACTIONS. Anonymous, £A15,000, for development in Dept. of Clin. Med.; Mrs. J. T. Mortlock, £A10,000, for capital expenditure in extension of investigations supported by her late husband at the "John Mortlock Research Station" at Yudnapinna; the George Aitken Pastoral Research Trust, £A1000, for promotion of res. into onion weed; £A2301, from various State and Commonwealth organizations to support establishment of Readership in Comml. Studies; late Miss Eva Lines, £A500, to establish the Eva Lines Memorial Prize for pianoforte; late Mrs. G. Culross, £A250, to establish the Wm. Culross Prize for Scientific Res.; late Mrs. H. L. Heuzenroeder, £A2845, for purposes of Anti-Cancer Cttee.; F. P. Shaughnessy, £A200, as endowment for purchase of magazines for Union Library; substantial gifts of books from estate of late Prof. T. H. Johnston, Mrs. S. R. Delmont and the U.S. Library of Congress.

NEW DEPARTMENTS AND POSTS. Chair of Clin. Med., Reader in Comml. Studies, Sr. Lectr. in English, Lectrs. in Botany, German, Law and Zoology, Protein Chemist and a Sr. Statistician at the Waite Institute.

REGULATIONS. Regulations for degrees of B.A., B.Sc., B.E., M.E., Ph.D., LL.B., M.Ec., M.B., B.S. and the Dipl. in Public Admin. were revised; new courses were provided in Engl., Zool., Psychol., App. Maths., Genetics and Biochem., and hons. courses in Mathematical Physics, Mining Eng. and Met. and Chem. Eng.

ADULT EDUCATION WORK. Jt. Cttee. for tutorial classes held 17 tutorial classes, 18 lecture classes and Art exhibitions at several country towns.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. C. Kluckhohn, Harv., "Ways of Life in Conflict"; Sir Edward Appleton, Edin., "Science and the Public"; H. Chauncey, Prin., "The use of objective tests in the selection of students seeking University admission"; Prof. W. Le

Gros Clark, Oxon., " The crucial evidence for human evolution " ; Prof. F. J. Fenner, A.N.U., " Myxomatosis " and " The new experimental approach to the study of tuberculosis " ; Prof. G. S. Browne, Melb., " Modern methods of effective instruction " and " Visual aids and other scientific auxiliaries to instruction " ; Dr. F. A. Maguire, Syd., " Women over 50 " and " Recent advances in gynæcology " ; Prof. C. H. Best, Tor., " Insulin and diabetes," " Choline and cirrhosis " and " Heparin and thrombosis " ; Dr. Ruth Griffiths, St. George's Hosp., Lond., " Differential diagnosis of mental states in the very young " ; Dr. Avery Jones, Middlesex Hosp., Lond., " Gastric and duodenal ulcers " ; Dr. D. Brinton, Nat. Hosp., Lond., " Neurological complications of protusion of cervical intervertebral discs " ; W. P. Cleland, Postgrad. Med. School of Lond., " Carcinoma of the bronchus " and " Surgical aspects of mitral stenosis " ; Prof. E. C. Dodds, Middlesex Hosp., Lond. ; Sir Gordon Gordon-Taylor ; Prof. T. G. Osborn, Oxon. ; Dr. R. S. Aitken, Otago ; Prof. O. H. K. Spate, A.N.U. ; Prof. H. Waring, W. Aust. ; Prof. C. Hartshorne, Chic. ; Prof. C. S. Rob, St. Mary's Hosp., Lond. ; Prof. M. L. Williams, Chic.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Univ. was represented at the Centenary celebrations of the Univ. of Syd. and at the installation of the Chancellor of A.N.U. by the Vice-Chancellor ; Prof. J. S. Robertson ; Dr. H. B. S. Womersley ; Prof. J. Bishop ; Prof. J. A. Prescott ; J. P. Duncan ; R. E. Vowels ; J. W. Statton ; M. M. S. Finnis ; Dr. H. Messel ; H. W. Piper and A. W. Kleeman.

RETIREMENTS. Prof. Sir Douglas Mawson (Geol., 48 yrs.) ; Dr. S. W. Pennycuick (Chem., 31 yrs.).

RESIGNATIONS. Dr. H. Messel (Mathl. Phys.), apptd. to Chair of Phys. at Univ. of Syd. ; F. P. Donovan (Law), apptd. to Chair of Comml. Law at Univ. of Melb. ; Dr. N. D. Crosby (Appl. Physiol.), apptd. Reader-in-charge of Physiol. at Univ. of W. Aust. ; D. L. Gunner (Phil.), apptd. Lectr. at Univ. of Melb. ; Dr. D. R. Bowes (Geol.), apptd. Lectr. at Univ. Coll. of Swansea ; K. A. Woodroffe (Agron.) ; Dr. J. P. E. Human (Chem.) ; C. J. Phillips and J. G. Topliss (Path.) ; J. P. Maddern (Anat.).

DEATHS. Lord Robinson (Second Rhodes Scholar of the Univ., Chairman of British Forestry Commission 1932–52) ; Sir Hugh Cairns (Rhodes Scholar 1917, Nuffield Prof. of Surgery, Oxon., 1936–52) ; Sir Trent de Crespigny (Dean of Fac. of Med. 1929–47, and numerous other posts) ; E. V. Clark (Lectr. in Electr. Eng. 1910–44) ; H. B. Henderson (member of Registrar's staff 1903–45) ; H. M. Wilson (Tutor in Dental Sch. 1947–52).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* | *External* |
|---|---|---|---|
| Men | 1264 | 1469 | 294 |
| Women | 605 | 460 | 86 |
| Total | 1869 | 1929 | 380 |

Postgraduate students, 285.

New admissions, 1005 (of whom 649 enrolled with a view to proceeding to a Univ. degree or dipl.).

Students from abroad, 94 (including 50 from Federation of Malaya, 16 from Singapore, 10 from India).

DEGREES AND DIPLOMAS. *Degrees*: B.Ag.Sc., 8; M.Ag.Sc., 1; B.A., 51; M.A., 3; B.D.S., 16; M.D.S., 2; B.Ec., 7; M.Ec., 1; B.E., 63; M.E., 2; LL.B., 13; M.B., B.S., 85; M.D., 2; Mus.Bac., 2; B.Sc., 76; M.Sc., 11; Ph.D., 6. *Diplomas*: Arts and Education, 52; Commerce, 26; Education, 17; Final Certificate in Law, 4; Music, 5; Pharmacy, 35; Physical Education, 5; Physiotherapy, 13; Public Administration, 4; Social Science, 6.

[*Information compiled as at June* 1953.]

# THE AUSTRALIAN NATIONAL UNIVERSITY *

Founded 1946

*Postal Address*: Box 4, G.P.O., Canberra, A.C.T., Australia.
*Cables and Telegrams*: Natuniv, Canberra.
*Telephone*: Canberra J. 2273.

CHANCELLOR—The Rt. Hon. THE VISCOUNT BRUCE OF MELBOURNE, C.H., M.C., C.G., B.A., Hon. LL.D. Camb. and A.N.U., F.R.S.

VICE-CHANCELLOR—L. G. MELVILLE, C.B.E., B.Ec. Syd., F.I.A.

DIRECTOR, RESEARCH SCHOOL OF PHYSICAL SCIENCES—Professor M. L. E. OLIPHANT, B.Sc. Adel., M.A., Ph.D. Camb., LL.D. St. And., D.Sc. Melb., Tor., Belf., Birm. and N.S.W.U.T., F.I.P., F.R.S.

REGISTRAR—R. A. HOHNEN, B.Ec. Syd.

LIBRARIAN—A. L. G. McDONALD, B.A. Melb.

## ACADEMIC STAFF

### JOHN CURTIN SCHOOL OF MEDICAL RESEARCH

*Biochemistry*

Ennor, A. H., D.Sc. Melb. Prof.

Research Fellows

Phillips, D. M. P., B.Sc., Ph.D. Lond.

Kratzing, C. C., M.Sc. Syd., Ph.D. Lond.

Collins, F. D., Ph.D. Liv., M.Sc. N.Z., F.R.I.C.

*Experimental Pathology*

Research Fellows

Watson, G. M., M.B., B.S. Adel., D.Phil. Oxon.

Mackaness, G. B., M.B., B.S. Syd., B.A. Oxon. Sr. Fellow.

*Medical Chemistry*

(This Dept. at present located at the Wellcome Research Institution, London.)

Albert, A., B.Sc. Syd., Ph.D., D.Sc. Lond. Prof.

Brown, D. J., M.Sc. Syd., Ph.D. Lond. Fellow.

*Microbiology*

Fenner, F. J., M.B.E., M.D., B.S. Adel., D.T.M. Syd. Prof.

Fazekas de St. Groth, S.N.E.E., M.B., Ch.B. Budapest, Sc.M. Sorbonne Sr. Fellow.

Research Fellows

Holloway, B. W., B.Sc. Adel., Ph.D. Cal. Tech.

Joklik, W. K., M.Sc. Syd.

*Physiology*

Eccles, J. C., M.B., B.S. Melb., M.A., D.Phil. Oxon., F.R.S., F.R.S.N.Z., F.R.A.C.P. Prof.

Coombs, J. S., M.Sc. N.Z. Fellow.

Fatt, P., B.A. Calif., Ph.D. Lond. Sr. Fellow.

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

## Research School of Physical Sciences

*Astronomy*

Woolley, R. v.d. R., M.Sc. Cape T., M.A., Ph.D. Camb., F.R.S. Hon. Prof.

Hogg, A. R., D.Sc. Melb., F.I.P. Res. Associate.

Gascoigne, S. C. B., Ph.D. Brist. Res. Associate.

de Vaucouleurs, G. H., L. ès Sc., D. de l'U. Paris Res. Fellow.

*Geophysics*

Jaeger, J. C., M.A. Camb., D.Sc. Syd., F.I.P. Prof.

Joplin, Germaine A., B.A., D.Sc. Syd., Ph.D. Camb. Fellow.

Paterson, M.S., B.Sc., B.Eng. Adel., Ph.D. Camb. Sr. Res. Fellow.

*Nuclear Physics*

Titterton, E. W., Ph.D., Dip.Ed. Birm. Prof.

Fellows

Wilson, R. S., B.A. Camb., Ph.D. Liv.

Blamey, J. W., M.Sc. Melb.

Research Fellows

Hibbard, L. U., B.Sc., B.E. Syd., M.Sc. Birm.

Inall, E. K., B.Sc., B.E. Syd.

Treacy, P. B., M.Sc. Syd., Ph.D. Camb.

Smith, W. I. B., B.Sc. Adel., Ph.D. Birm.

Carver, J. H., M.Sc. Syd., Ph.D. Camb.

*Radiochemistry*

Scarf, F., M.Sc. Birm. Reader.

Richards, J. R., M.Sc. Melb., Ph.D. Durh. Res. Fellow.

*Theoretical Physics*

Barker, F. C., M.Sc. Melb., Ph.D. Birm. Res. Fellow.

Butler, S. T., M.Sc. Adel., Ph.D. Birm. Sr. Res. Fellow.

## Research School of Social Sciences

*Demography*

Borrie, W. D., M.A. N.Z. Reader.

Research Fellows

Price, C. A., B.A. Adel. and Oxon., D.Phil. Oxon.

McArthur, Norma R., B.A. Melb., Ph.D. Lond.

*Economics*

Swan, T. W., B.Ec. Syd. Prof.

Brown, H. P., B.A. Melb. (Econ. Stats.) Reader.

Butlin, N. G., B.Ec. Syd. Sr. Res. Fellow.

Research Fellows

Cheek, B. M., M.A. Adel.

Hall, A. R., B.Ec. Syd., Ph.D. Lond.

*History*

Fitzhardinge, L. F., B.A. Syd., M.A. Oxon. (Sources of Aust. Hist.) Reader.

Gollan, R. A., M.A. Syd., Ph.D. Lond. Res. Fellow.

*Law*

Sawer, G., B.A., LL.M. Melb. Prof.

*Political Science*

Webb, L. C., M.A. N.Z. Reader.

Research Fellows

Chapman, R. McD., M.A. N.Z.

Rolph, W. K., B.A. Tor., Ph.D., A.M. Brown.

*Social Philosophy*

Partridge, P. H., M.A. Syd. Prof.

*Statistics*

Moran, P. A. P., M.A. Camb. and Oxon., D.Sc. Syd. Prof.

RESEARCH SCHOOL OF PACIFIC STUDIES

*Anthropology and Sociology*

Nadel, S. F. S., D.Phil. Vienna, Ph.D. Lond. Dean and Prof.

Stanner, W. E. H., M.A. Syd., Ph.D. Lond. (Compar. Social Institutions) Reader.

Research Fellows

Penny, R. E. C., B.A. Melb.

Mayer, A. C., Ph.D. Lond.

*Far Eastern History*

FitzGerald, C. P. Prof.

Research Fellows

Ackroyd, Joyce I., B.A., Dip.Ed. Syd.

McKillop, B. C., B.A. Camb. and Syd.

*Geography*

Spate, O. H. K., M.A., Ph.D. Camb. Prof.

Jennings, J. N., M.A. Camb. Reader.

King, H. W. H., M.A. Syd., Dip. Ed. Res. Fellow.

*International Relations*

Crocker, W. R., B.A. Adel., M.A. Oxon. (on leave) Prof.

Lindsay, M. F. M., M.A. Oxon. Sr. Res. Fellow.

Storry, G. R., M.A. Oxon., Dip. Ed. Lond. Res. Fellow.

*Pacific History*

Davidson, J. W., M.A. N.Z., Ph.D. Camb. Prof.

Research Fellows

Gilson, R. P., M.A. S. Calif., M.Sc. Lond.

West, F. J., B.A. Leeds, Ph.D. Lond.

Drus, Ethel, M.A. Cape T., Ph.D. Lond.

## ADMINISTRATIVE AND OTHER STAFF

First Asst. Registrar: M. Brown, LL.B. Melb.; Second Asst. Registrar: D. K. R. Hodgkin, B.Sc. (Econ.) Lond. Accountant: W. S. Hamilton, A.A.U.Q. Staff Architect: E. J. Scollay. Lab. Manager (Med. Sch.): A. F. Bunker. Lab. Manager (Phys. Scis.): R. Purchase. Vet. Officer (Med. Sch.): 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 establishment at Canberra of a Univ. consisting of a Council and Convocation, and graduate and undergraduate members. The Council is the governing body of the Univ., but in the Univ.'s early years, until July 1951, its affairs were in the hands of an Interim Council. The permanent Council, which was constituted in 1951, consists of not more than thirty members, including the Vice-Chancellor, four members elected by Parliament, up to eight appointed by the Governor-General, up to nine elected by Convocation, three elected by the academic staff and two by students. The sr. academic body of the Univ. is the Board of Graduate Studies, which consists of the Dirs. and Profs. The Board assists the Council by tendering advice on all questions affecting education, learning and research in the Univ. There is also a Faculty (in the English sense) within each of the Res. Schools. Convocation will eventually consist mainly of the Council and graduates of the Univ., but at the outset the oppor-

tunity was taken to add to it the Chancellor and Vice-Chancellor and five other representatives of each other Australian Univ. institution. Under the founding Act, the primary function of the Univ. is to encourage and provide facilities for postgraduate research, both generally and in relation to subjects of national importance to Australia.

RESEARCH SCHOOLS. As was contemplated by the Act, the Univ.'s activities are in the first instance concentrated on the establishment of four Research Schools—the John Curtin School of Medical Research (named after Australia's 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.

It is intended that each School should be led by a Director, but the responsibility for the organization of the work of particular Depts. within the Schools will rest with their professorial heads. A Director has been appointed in the Research School of Physical Sciences, but in the other three Schools Deans have been appointed as a temporary measure. In addition to the Directors and Professors, the staff comprises permanent Readers, Senior Fellows and Fellows, and short-term Sr. Research Fellows and Research Fellows. The Univ. is seeking to provide members of staff with the most favourable 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, Readers after each 5 yrs. of service and a Fellow after each 6 yrs. of service.

All Depts. of Res. Schools, except that of Med. Chem., are now located in Canberra. The lab. block of the Res. Sch. of Phys. Scis. has now been completed, and the remaining Depts. are housed in temp. bldgs. pending the construction of permanent bldgs.

Each Dept. of the Res. Schools accepts a small number of graduate res. students of first-class calibre, the general minimum entrance qualification being a Master's degree or its equivalent in a University of sr. standing. (*See also* Appendix I.) Each student is assigned to a supervisor, and pursues a course of res. under supervision. Subject to certain conditions, the student may proceed to the Ph.D. degree (normally after three yrs.' work) or an M.A. or M.Sc. (usually after two yrs.' work). The Univ. will also confer the degrees of D.Litt., D.Sc. and LL.D. for distinguished work in appropriate fields published by persons with a real connexion with the Univ.

INCOME. The Univ. receives a statutory grant and additional funds are voted annually by the Commonwealth Parliament for bldgs., etc.

ANNUAL FEE: £A52 : 10s. (covers all charges except board and residence).

RESIDENCE. Single students are normally required to live in University House (*see below*), and married students within easy access of the Univ. precincts. Master of University House: Prof. A. D. Trendall.

SCHOLARSHIPS. From 1948 to 1951 the Univ. awarded some 75 res. scholps. to relatively recent graduates of high promise, for study abroad. At present the Univ. offers 15 scholps. annually, but they are now intended mainly to support some specially able students working in the Univ. itself. 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 £A615-£A750 p.a.

The Univ. from time to time issues invitations to distinguished sr. scholars to visit Australia, conducting discussions with interested people not only in Canberra but in the other Australian Univs.

LIBRARY. The Library, which was assembled in Melbourne and brought to Canberra late in 1950, now comprises some 70,000 bound vols. and about 20,000 vols. in the Oriental collection.

BUILDINGS. The Univ. site consists of 204 acres of well-situated land in the Canberra suburb of Acton. The first permanent bldg. 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., will be opened in 1954. 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 some responsibility for finding living accomm. for the members of its staff. Flats and houses are being built.

PUBLICATIONS. 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 1952

Rt. Hon. Visc. Bruce of Melbourne installed as First Chancellor of Univ. Representatives of Univs. and other learned bodies attended the celebrations. Prof. R. C. Mills, first Chairman of the Interim Council and Dep. Chairman of the Council, died. Sir Douglas Copland, first Vice-Chancellor of the Univ., resigned on appt. as Australian High Commissioner in Canada. Depts. of Biochem., Microbiol. and Physiol. commenced work in temp. labs. pending completion of the permanent bldgs. Sir John Cockcroft officially opened the lab. of the Res. Sch. of Physical Scis. The formal development of the grounds was commenced.

STUDENT NUMBERS. Men, 33; Women, 6; Total, 39. All were res. students and the total includes one pt.-time student.

[*Information compiled as at 21/5/53.*]

# UNIVERSITY OF MELBOURNE*

Founded and incorporated 1853

*Postal Address*: Carlton, N.3, Victoria, Australia.
*Telephone*: Melbourne, F. 0484.

VISITOR—H.E. THE GOVERNOR OF VICTORIA, Sir DALLAS BROOKS, K.C.B., K.C.M.G., D.S.O.

CHANCELLOR—Hon. Sir CHARLES JOHN LOWE, M.A., LL.B.

DEPUTY-CHANCELLOR—Hon. Mr. Justice ARTHUR DEAN, Q.C., LL.M.

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.

*Agriculture*, v. also Bot.

Wadham, S. M., M.A. Camb. and Melb., Agr.Dip. Camb. Prof.
Leeper, G. W., M.Sc. (Agr. Chem.) Assoc. Prof.

Senior Lecturers

Vasey, G. H., B.C.E. (Agric. Engin.).
Robinson, T. J., M.Sc. (Agric.) W. Aust., Ph.D. Camb. (Physiol. of Domestic Animals).
Hird, F. J. R., Ph.D. Camb., M.Agr.Sc. (Ag. Biochem.).
Aitken, Yvonne, M.Agr.Sc. Lectr.
9 Lectrs. (Pt.-time Officers).

*Anatomy*

Sunderland, S., M.D., B.S., D.Sc., F.R.A.C.S., F.R.A.C.P. Prof.
Russell, K. F., M.B., M.S., F.R.A.C.S. Assoc. Prof.

Senior Lecturers

Ray, L. J., M.B., B.S., Ph.D.
Roche, A. F., M.B., B.S.
Lavarack, J. O., M.B., B.S. (Embryol. and Histol.).
Merrillees, N. C. R., M.B., B.S. (Embryol. and Histol.).

Senior Demonstrators

Elrick, W. L., M.B., B.S.
McVey, I. L., M.B., B.S.
Tuckfield, P. C., M.B., B.S.
Alder, A. B., M.B., B.S.
Falconer, I. G., M.B., B.S.
O'Brien, B. M., M.B., B.S.
Smith, E. D., M.B., B.S.
2 Pt.-time Officers.

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

*Anthropology*

Thomson, D. F. F., O B.E., Ph.D., Dip.Anthrop. Camb. and Syd., D.Sc. Research Fellow.

*Architecture*

Lewis, B. B., B.Arch., M.A. Liv., F.R.I.B.A., F.R.A.I.A. Prof.

Senior Lecturers

Featherstone, R. E., Dip.Arch. Des.
Grounds, R. B., F.R.A.I.A.
Berg, R., Dip.Arch.Des.
Waugh, H. L., Dip.Arch., F.R.A.I.A.
Janeba, F. A., Dip.Arch. Vienna.
Abercrombie, N. G., M.A. (Arch.) Camb.
Parker, R. G., Dip.Arch. Liv., F.R.I.B.A.

Temp. Lectr.

Alexandra, D. D., B.Arch.
13 Pt.-time Lectrs.

*Bacteriology*, v. Med.

*Biochemistry*

Trikojus, V. M., B.Sc., D.Phil. Oxon., M.Sc. Prof.
Rawlinson, W. A., M.Sc. Assoc. Prof.
Legge, J. W., M.Sc. Sr. Lectr.
Hird, F. J. R., Ph.D. Camb., M.Agr.Sc. (Ag. Biochem.) Sr. Lectr.
Morton, R. K., B.Agr.Sc. Syd., Ph.D. Camb. (Plant Biochem.) Sr. Lectr.
Crabtree, Muriel G., M.Sc. Lectr.
Cahn, Mrs. Audrey J., B.Agr.Sc., Dip.Diet. (App. Dietetics and Food Preparation) Lectr.
Crane, C. W., B.Sc., M.B., B.S. Lond. (Med. Biochem.) Res. Fellow and Temp. Lectr.
Dale, Jean C., M.Sc. Sr. Demr.
Springell, P. H., B.A. Camb. Sr. Demr.
Marginson, M.A., B.Sc. Sr. Demr.
Henderson, R. W., B.Sc. Sr. Demr.
1 Pt.-time Officer.

*Botany and Plant Physiology*

Turner, J. S., M.A., Ph.D. Camb., M.Sc. Prof.
McLennan, Ethel I., D.Sc. Assoc. Prof.
Carr, D. J., B.Sc. Manc. Sr. Lectr.
Fawcett, Stella G. M., M.Sc. Sr. Lectr.
Cookson, Isabel C., D.Sc. (Research) Lectr.
Blackwood, Margaret, M.Sc. Lectr.
Clifford, H. T., M.Sc. Sr. Demr.
Slater, W. G., M.Sc. Sr. Demr.
Winkworth, R. E., B.Sc. Syd. Sr. Demr.
Ducker, Sophie C., B.Sc. Sr. Demr.
Matthaei, E. A. F., Dip. Optics Jena (Microscopy) Lectr.

*Chemistry*

Hartung, E. J., D.Sc. (on leave) Prof.
Hambly, A. N., M.Sc., Dip.Ed. Actg. Prof.
Davies, W., D.Sc. Manc. and Melb., D.Phil. Oxon. (Organic C.) Prof.

Senior Lecturers

Buchanan, A. S., B.Sc., Ph.D. (Phys. C.).
Duncan, J. F., M.A., B.Sc., D.Phil. Oxon. (Phys. C.).
Cooke, R. G., M.Sc. Adel. (Organic C.).
Pausacker, K. H., M.Sc., D.Phil. Oxon. (Organic C.).
Brown, R. D., M.Sc., Ph.D. Lond. (Gen. C.).

Lecturers

Stephenson, Emily F. M., M.Sc., Ph.D. Glas. (Organic C.).
O'Donnell, T. A., M.Sc. (Gen. Chem.).

Palmer, A. R., M.Sc. (Analyt. C.).

Senior Demonstrators

Segal, W., M.Sc. (Org. C.).
Street, N., B.Sc. (Anal. C.).
Andersen, F. I., B.Sc. Q'ld., M.Sc. (Phys. C.).
Craig, R. A., M.Sc. (General C.).
Hawkins, Winifred N., M.Sc. (Gen. C.).
O'Connor, D. J., M.Sc. (Gen. C.) Temp.

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., Litt.D., Dip.Ed. Assoc. Prof.
Gellie, G. H., M.A., B.Ed. Sr. Lectr.
Tanner, R. G., B.A. Camb., M.A. Lectr.

1 Pt.-time Officer.

*Commerce*

..... Prof.

Senior Lecturers

Foenander, O. de R., LL.M., Litt.D. (Industrial Relns.).
Goldberg, L., B.A., M.Com. (Acctcy.).
Fryer, D. W., M.Sc. (Econ.) Lond. (Econ. Geog.).
Bayne, Mary M., M.A., Dip.Ed. (Econ. Geog.).
Samek, R. A., M.A., LL.B., M.Litt. Camb. (Comml. Law).

Lecturers

Kerr, Jean S., B.Com. (Acctcy.).
Stewart, W. J., B.A., B.Com. (Acctcy.).

Senior Tutor

Donath, E. J., M.A. Vienna (Econ. Geog.).

Research Assistant

Grobtuch, Alicia, B.A. Beirut.

25 Pt.-time Officers.

*Dental Science*, v. *infra*

*Dutch*, v. Germanic Languages

*Economic History*

La Nauze, J. A., M.A. Oxon. (on leave) Prof.
Dunsdorfs, E., M.A., D.Ec. Riga Sr. Lectr. & Res. Officer.
Cairns, J. F., M.Com. Sr. Lectr.
Chernick, S., M.A. Tor. Lectr.
Sinclair, W. A., B.Com. Sr. Tutor.
Ronaldson, Marjorie G., M.A. (on leave).

*Economic Research*

Downing, R. I., B.A. (on leave) Prof.

*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.B.E., M.Com.
Hocking, D. M., M.A.
Isaac, J. E., Ph.D. Lond., B.Com.
Cochrane, D., Ph.D. Camb., B.Com. (Math. Econ.).

Lecturer

Boxer, A. H., B.Phil. Oxon., B.A.

Temporary Lecturer

Frearson, K. S., D.F.C., B.A. W.Aust.

Senior Tutors

Harper, R. J. A., B.Com.
Wallace, R. H., B.Com.
Ronaldson, Marjorie G., M.A. (on leave).

Tutor

Prowse, A. R.

Research Officers

Merrylees, Anne M., B.Com.
Rivett, K. D., M.A.

*Education*

Browne, G. S., M.C., M.A. Oxon. and Melb., Dip.Ed. Oxon., Lond. and Melb. Prof.
Aughterson, W. V., Ph.D. Lond., M.A., Dip.Ed. Sr. Lectr.
Wyeth, E. R., B.A. Q'ld., Ed.D. Calif., M.Ed., Dip.Ed. Q'ld. Sr. Lectr.
Coates, T. H., B.Sc., M.Ed., Ph.D. Lond. Sr. Lectr.

Lecturers

Cartwright, R. (Educn.).
Olphert, W. B., M.A., Dip.Ed. N.Z.
French, E. L., B.A., B.Ed.
Battersby, Olive, B.A. (on leave) Sr. Tutor and Librarian.
1 Pt.-time Sr. Lectr., 20 Pt.-time Lecturers.

*Engineering*, v. *infra*

*English Lang. and Lit.*

Maxwell, I. R., B.Litt. Oxon., B.A., LL.B. Prof.
Macartney, K. L., M.A. Camb., B.A. (Drama) Assoc. Prof.

Senior Lecturers

Scott, W. A. G., B.Litt. Oxon., B.A.
Jennings, Vera C., M.A. Oxon. and Melb.

Lecturers

Dobson, T. P., B.A.
Goldberg, S. L., B.A.
Tomlinson, T. B., B.A., LL.B. W.Aust., B.A. Camb.
O'Keefe, Mary T., B.A.

Senior Tutors

Tennent, Amy G. C., M.A., Dip. Ed.
Cowling, Mrs. Muriel M., B.A. Leeds, Dip.Ed.
Buckley, V. T., B.A.
Sefton, Ailsa E., M.A.
Barnes, R. J., B.A.
Dow, H., A.B. Harv.

*Fine Arts*

Burke, J. T., O.B.E., 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., Off. Lég. d'H. Prof.

Senior Lecturers

Karagheusian, V. N. T.
Sussex, R. T., D. de l'U. Paris, M.A., LL.B.

Lecturers

Canart, P. L. J. G., B.A.
Smith, I. H., B.A., D. de l'U. Paris.
Burger, Mrs. Claire H., M.A.
4 Pt.-time Officers.

*Geology and Mineralogy*

Hills, E. S., Ph.D. Lond., D.Sc., D.I.C. 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.) (on leave) Sr. Lectr.
Wilcock, A. A., B.Sc., B.Ed. (Geography) Sr. Lectr.
Hauser, H. B., M.Sc. Lectr.
Gaskin, A. J., M.Sc. Lectr.
den Tex, E., Dr.Phil.Nat. Leyden Lectr.
White, D. A., B.Sc. W.Aust. Sr. Demr.
Mann, J. S. Demr.
Finlay, Cecily, B.Sc. Syd. Res. Asst.
1 Pt.-time Officer.

*Germanic Languages*

Samuel, R. H., D.Phil. Berl., Ph.D. Camb., M.A. (on leave) Prof.

Coverlid, Dorothea R., M.A., Dip.Ed. (German) Actg. Prof.
Smit, J., Litt.D. Utrecht (Dutch and Germanic Philol.) Sr. Lectr.
Wiemann, H., M.A. (German) Sr. Lectr.
MacLean, H., M.A., Dip.Ed. (German) Lectr.
Meijer, R. P., M.A. Amst. (Dutch) Temp. Lectr.
Ruff, Eva, B.A. Tutor.
5 Pt.-time Officers.

*History*

Crawford, R. M., B.A. Syd., M.A. Oxon. Prof.
Fitzpatrick, Kathleen E., M.A. Oxon., B.A. Assoc. Prof.

Senior Lecturers

Harper, N. D., M.A., B.Ed.
O'Brien, J. L., B.A. Camb. and Syd., M.A.
McBriar, A. M., D.Phil. Oxon., B.A.

Lecturers

Ericksen, R. F. S., B.A.
Main, J. M., B.A., B.Litt. Oxon.
Adam, L., LL.D. Greifswald, F.R.A.I.
Williams, C. M., B.A. (on leave).
Yule, G. S. S., M.A. (on leave).
Serle, A. G., D.Phil. Oxon., B.A.

Temporary Lecturers

Gregory, J. S., M.A.
Munro, Dorothy L., M.A. Smith, B.A.
Inglis, K. S., B.A. Asst. Lectr.
Kiddle, Margaret, M.A., Dip.Ed. Sr. Tutor.
O'Neill, J. C., B.A. Sr. Tutor.
Kerr, Margaret, B.Litt. Oxon., B.A. W.Aust. Sr. Tutor.
Kennedy, D. E., M.A. Sr. Tutor.
Roe, O. M., B.A. Sr. Tutor.
Nettl, Lotte, B.A. Tutor.
4 Pt.-time Officers.

*History and Methods of Science*

Buchdahl, G., B.A. Sr. Lectr.-in-charge.
Dyason, Diana, M.Sc. (on leave) Lectr.
Clendinnen, F. J., B.A. Actg. Lectr.
Gasking, Mrs. Elizabeth B., B.Sc. Tutor.

*Languages (Science Courses)*

Horwood, E. K., B.A. Lectr.-in-charge.
Rosenberg, Anita, LL.D. Giessen Lectr.

*Law*

Professors

Cowen, Z., M.A., B.C.L. Oxon., B.A., LL.M. (Public L.).
Derham, D. P., M.B.E., B.A., LL.M. (Jurisprud.) (on leave).
Carter, P. B., M.A., B.C.L. Oxon. (visiting).
Donovan, F. P., B.A., B.C.L. Oxon., LL.B. Adel. & Q'ld.

Senior Lecturers

Turner, A. L., B.A., LL.M.
Ford, H. A. J., LL.M.
Morris, N. R., Ph.D. Lond., LL.M.
Leyser, J., D.Jur. Freiburg, LL.B.

Independent Lecturers (Pt.-time)

McInerney, M. V., M.A., LL.M. (Proced. & Evidence).
Phillips, P. D., Q.C., M.A., LL.B. (Priv. Int. L.).
Lush, G. H., LL.M. (Merc. L.).
Aickin, K. A., LL.M. (Company L.).
Newton, H. R., LL.M. (Executors & Trustees).
Gowans, U. G. J., Q.C., LL.B. (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., Q.C., M.H.R., M.A., LL.M. (Domestic Relations).

Fox, P. M., LL.B. (Conveyancing).
Dunn, R. H., LL.M. (Crim. Proc.).

Tutors
Young, J. M., M.A. Oxon., LL.B.
Crockett, W. C., LL.M.
Cohen, S. H., B.A., LL.M.
Magee, F. J., B.Com.

Tutors in Drafting and Conveyancing (Pt.-time)
Ness, K. A.
Birch, F. L.
Joseph, M. H.
Pearce, A. D.
Kearney, J. F.

Tutors in Mercantile Law
Martin, W. J., LL.B.
McGarvie, R. E., LL.B.

Tutors in Principles of Property
Harris, W. O., LL.M.
Blake, Mrs. Airlie, LL.B.
Mornane, J. W. J., B.A., LL.M.

*Mathematics, Pure and Mixed*
Cherry, T. M., Ph.D., Sc.D. Camb., B.A. Camb. and Melb. (Appl. Maths.) Prof.
Love, E. R., Ph.D. Camb., B.A. Camb. and Melb. (Pure Maths.) Prof.

Senior Lecturers
Behrend, F. A., Ph.D. Berl., Sc.D. Prague.
Schwerdtfeger, H. W. E., Dr.Phil. Bonn.
Syer, F. J. D., M.B.E., B.A., Dip.Ed.
Brown, A., Ph.D. Camb., M.A. Glas.
Hurst, C. A., Ph.D. Camb., B.A., B.Sc.

Lecturers
Hutton, Mrs. Eleanor S., M.A. Camb., B.Sc., W.Aust.
Lester, Margaret, B.A.

Senior Tutors
Bowen, E. W., B.A., B.Sc.
Chew, V., B.Sc. W.Aust.
Upton, C. J. F., B.A. Oxon.
Greig, Dulcie J., B.Sc. W.Aust.

*Medicine*, v. *infra*

*Metallurgical Research*
Greenwood, J. N., D.Sc. Manc. and Melb., M.Met.E. Prof.
Wood, W. A., D.Sc. Lond., F.I.P. Sr. Res. Fellow.
Suiter, J. W., M.Sc. Res. Fellow.

*Metallurgy*, v. Engineering, *infra*

*Meteorology*
Loewe, F., Ph.D. Berl. Sr. Lectr.-in-charge (Commonwealth).

Research Officers (Commonwealth)
Albrecht, F., Ph.D., Dr.Habil. Berl.
Radok, U., B.Mech.Eng. Munich.
Grant, Alison M., M.Sc. Res. Asst.
Treloar, H. M., B.Sc. Adel., LL.B., D.Sc., F.I.P. Attached Officer, Cwth. Pub. Service.

*Mineralogy*, v. Geology, *supra*

*Mining*, v. Engineering, *infra*

*Music*
Heinze, Sir B. T., Degré Sup. Schola Cantorum, Paris, Mus. Doc. W.Aust., LL.D. Br. Col., M.A., F.R.C.M. Ormond Prof.
Jones, Rev. P. Vice-Dir.

*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. Heidel.

Lecturers
Warren, Mrs. Olga M., M.A.
Baier, K. E. M., D.Phil. Oxon., M.A.
Gunner, D. L., M.A.
Rollins, C. D., B.A. Nebraska.
3 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.
22 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.
Mohr, C. B. O., Ph.D. Camb., F.I.P.

Senior Lecturers
Bower, J. C., M.Sc., Ph.D. Camb., F.I.P.
Hopper, V. D., D.Sc., F.I.P.
Kannuluik, W. G., D.Sc.
Cherry, R. O., M.Sc.
Parsons, R. W., Ph.D. Oxon. Sir Thomas Lyle Res. Fellow.

Research Fellow
Rathgeber, H. D., D.Ing. Stuttgart.

Lecturers
Dunbar, D. N. F., M.Sc. N.Z., Ph.D.
Allen, Natalie C. B., M.Sc.
Nelson, Edith A., M.A., M.Sc.
Darby, J. F. G., M.Sc., Ph.D.
Caro, D. E., Ph.D. Birm.

Senior Demonstrators
Laby, Jean E., M.Sc.
Abbey, R. L., M.Sc.
Officer, V. C., M.Sc. N.Z.
Dyer, A. J., M.Sc.
McDonell, J. A., B.A., M.Sc.
Bird, J. R., M.Sc.
Muirhead, E. G., M.Sc.
Norman, J. R., M.Sc.
McKenzie, Eunice D., M.Sc.
Uebergang, R., M.Sc.
Spicer, B.M., M.Sc.

*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
Agar, W. T., B.Sc. Oxon. and Melb., M.B., B.S.
Trethewie, E. R., D.Sc., M.D., B.S.

Lecturers
Keogh, Patricia P., M.Sc.
Dewhurst, D. J., M.Sc.

Senior Demonstrators
Brewster, Blanche L., B.Sc.
Hutchinson, Margaret.
Ludemann, Delys, B.Sc. W.Aust.

*Plant Physiology*, v. Botany, *supra*

*Political Science*
Ball, W. M., M.A. Prof.
Davies, A. F., B.A. Sr. Lectr.
Churchward, L. G., M.A., Dip.Ed. Lectr.
Wolfsohn, H. A., B.A. Lectr.
Encel, S., M.A. Sr. Tutor.
2 Pt.-time Officers.

*Psychology*
Oeser, O. A., M.Sc. S.A., Ph.D. Camb., Dr.Phil. Marburg, M.A., F.B.Ps.S. Prof.
McElwain, D. W., M.A. N.Z., Ph.D. Lond., F.B.Ps.S. Assoc. Prof.

Senior Lecturers
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.
Waterhouse, I. K., M.A., Ph.D. Yale, B.A. Syd.

Lecturers
Maddox, H., B.A. Lond.
Langley, P. D., B.A. W.Aust., B.Ed.
Emery, F. E., B.Sc. W.Aust.
Howarth, E., B.Sc. Manc.
Danziger, K., B.A., M.Sc. Cape T., D.Phil. Oxon.
Leaper, Patricia M., B.A. Temp. Lectr.

Temporary Senior Tutors
Macmillan, M.B., B.Sc. W.Aust.
Robertson, Margaret K., B.A. W. Aust.
Craig, R. E., B.A.
Anderson, D. S., B.A.
McKenzie, Beryl E., B.A.
Loftus, P. A., B.A.

Tutors
Lovibond, S. H.
Mainland, Margaret O.
Winter, Norma R.
Pick, T., Dr. Oec. Publ. Budapest, Dip. Appl. Psychol. Zür.
Kinsman, Irene, B.A. Res. Asst.
13 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, Mrs. Marga E. Sr. Tutor.
3 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. Dir.

Lecturers
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.
7 Pt.-time Officers.

*Statistics*
Belz, M. H., M.Sc. Camb., B.Sc. Syd., M.A. Assoc. Prof.
Watson, G. S., B.A., Ph.D. N. Carolina Sr. Lectr.
Leslie, R. T., M.A., B.Sc. Lectr.
Binet, F. E., Dr.Med. Budapest Sr. Tutor.
Doig, Alison G., B.A., B.Sc. Res. Asst.

*Surveying*, v. Engineering, *infra*

*Veterinary Science*, v. *infra*

*Zoology*
Tiegs, O. W., M.Sc. Q'ld. and Melb., D.Sc. Adel., F.R.S. Prof.

Senior Lecturers
Drummond, F. H., B.Sc. W.Aust., Ph.D. Lond.
Clark, A. M., Ph.D. Camb., M.Sc.
Boardman, W., M.Sc. Syd.
Willis, A. G., M.Sc. Wales.

Senior Demonstrators
Gunson, Mary M., M.Sc.
Mollison, Essie L., M.Sc.
Buttle, Jennifer M., M.Sc. W.Aust.
Chaney, Jennifer A., B.Sc. W. Aust.
Richards, Joyce R., M.A. N.Z. Sr. Demr. and Margaret Catto Scholar.
Dobrotworsky, N., M.Sc. Leningrad Georgina Sweet Fellow.

**Dental Science**

*Oral Pathology and Oral Surgery*

Amies, A. B. P., C.M.G., D.D.Sc., D.L.O., F.R.C.S., F.R.A.C.S., F.D.S.R.C.S., F.A.C.D.
Prof., Dean of Fac. and Principal, Australian Coll. of Dent.

Sealey, V. T., D.D.Sc. Sr. Lectr.

Hon. Clin. Demrs. in Oral Surg.

Piercey, J. M., M.B., B.S., D.D.Sc.
Dott, W. A., D.D.Sc.
Fleming, W. E., M.B., B.S., D.D.Sc. (Oral Pathol.)
Hon. Clin. Demr.

Sutherland, K. J. G., M.B., B.S., M.D.Sc. (D. and Oral Pathol.)
Lect. and Sr. Demr.

Dott, W. A., D.D.Sc. (D. and Oral Pathol.) Sr. Demr.

*Dental Prosthetics*

Atkinson, H. F., M.B.E., L.D.S., M.Sc., D.D.S. Manc. Prof.

Shepherd, R. W., M.D.Sc.
Sr. Lectr. & First Asst.

Lecturers and Demonstrators

Walker, W. G., M.D.Sc.
Dennis, C. G., M.D.Sc.
Gill, H. I., B.D.Sc.

Senior Demrs. (Pt.-time)

Brown, F. B., B.D.Sc. Melb., D.D.S. Northwestern.
Campbell, J. S., B.D.Sc.
Williams, L. R., B.D.Sc. Melb., D.D.S. Northwestern.
Johnson, F. R., M.D.Sc.
Johnson, K., M.D.Sc.
Sier, E. F., B.D.Sc.
Dwyer, W. C., B.D.Sc.

*Conservative Dental Surgery*

Down, C. H., D. D. Sc., F.D.S.R.C.S., F.A.C.D.
Prof. and Sub-Dean of Fac.

..... Sr. Lectr. & First Asst.

Lecturers and Demonstrators

Down, H. R., B.D.Sc. (on leave).
Ewart, F. R., B.D.Sc.
Cock, D. J., B.Sc.
Campbell, M. J. A., B.D.Sc.
McIntosh, H. A., B.D.Sc.

Senior Demrs. (Pt.-time)

Bowen, P. E. S., B.D.Sc.
Bowen, Vera A., B.D.Sc.
Crapp, I. E., D.D.Sc.
Willsmore, N. M., D.D.Sc.
Winch, R., B.D.Sc.
Woodhouse, W. B., D.D.Sc.
Dempster, A. W., B.D.Sc.
Sharpe, F. V., B.D.Sc.

*Orthodontics*

Adamson, K. T., D.D.Sc.
Sr. Lectr.-in-charge (Pt.-time).

Senior Demrs. (Pt.-time)

McIntyre, K., M.D.Sc.
Newbury, C. R., M.D.Sc.
Parker, A. R., B.D.Sc.
Spring, D. F., D.D.Sc.
Storey, E., B.D.Sc.
Wilkinson, J. V., B.D.Sc., B.Sc.

*Periodontics*

Williams, R. G., D.D.Sc.
Sr. Lectr.-in-charge (Pt.-time).

Andrews, N. H., D.D.Sc.
Hon. Sr. Demr. (Pt.-time).

*Anæsthetics*

Amies, Prof. A. B. P.

Kaye, G., M.D., B.S. Melb., F.F.A.R.C.S.
Sr. Lectr. (Pt.-time).

*Clinical Photography*

Tuckfield, W. J., D.D.Sc. Melb., Sc.D. Northwestern, F.D.S.R.C.S., F.A.C.D.

*Medicine.*

Davies, M. C., M.D., F.R.A.C.P.
Sr. Lectr. (Pt.-time).

Clinical Demrs. (Pt.-time)

Breidahl, H. D., M.B., B.S.

Wilson, C. W. E., M.B., B.S.
Ray, J., M.B., B.S.
Sincock, E. D., M.B., B.S.

*Surgery*

Trinca, A. J., F.R.C.S., F.R.A.C.S. Sr. Lectr. (Pt.-time).
Stewart, J. C., F.R.C.S., F.R.A.C.S. Lectr. (Pt.-time).

Clinical Demrs. (Pt.-time)

Watson, S. H., M.B., B.S.
Gunter, J. D. S., M.B., B.S.

*Preventive Dentistry and Dietetics*

Hearman, C. D., D.D.Sc.

*Dent. Mat. Med. and Pharmacol.*

Reich, J., M.D.Sc.

*Oral Embryol. and Oral Histol.*

Newbury, C. R., M.D.Sc.

*Human and Comparative Dent. Anat.*

Down, Prof. C. H., D.D.Sc., F.D.S.R.C.S., F.A.C.D.

*Dent. Metallog. and Dent. Materials*

Worner, Prof. H. K., D.Sc., F.I.M.

Sr. Lectr. in Dent. Materials

Docking, A. R., M.Sc.

*Ethics and Practice Management*

Amies, Prof. A. B. P.
Cowen, Prof. Z., M.A., B.C.L. Oxon., B.A., LL.M. Melb.
Aird, F. A., D.D.Sc.
Down, Prof. C. H.
Gaunson, F. H., B.D.Sc.
Gillies, R. M., B.D.Sc. Melb., D.D.S. Penn.

## Engineering

*Civil Engineering*

Francis, A. J., M.Sc., Ph.D. Birm., M.C.E. Prof.
Sexton, C. W. N., M.C.E. (Civil E.) Assoc. Prof.
Wood, J. V., B.C.E. Sr. Lectr.
Laszlo, F., D.Ing. Darmstadt, Dipl.Ing. Budapest Sr. Lectr.
Trollope, D. H., M.Sc. Wales Sr. Lectr.
Hosking, N. G., B.A. Oxon., B.E. Adel. Lectr.
Coldicutt, Elizabeth B., M.Sc., Dip.Ed. Sr. Demr.
Parry, R. H. G., B.C.E. Sr. Demr.

*Electrical Engineering*

Moorhouse, C. E., B.Mech.E., M.E.E. Prof.

Senior Lecturers

Ferguson, A. E., M.E.E.
Brownlee, T., B.Sc. (Elect.) Glas.
Broadbent, D., B.Sc. Birm.

Senior Demonstrators

Howells, I. D., B.E.E.
Campbell, D. J.

Demonstrators

Jackson, C.
Jones, E.
Mackley, K. W., B.E.E. Res. Officer.

*Mechanical Engineering*

Henderson, P. L., Ph.D. Camb., M.E. Syd., M.Mech.E. Prof.
Hunt, K. H., M.A. Oxon. Sr. Lectr.
Gilet, P. G. M., B.Sc., B.E. Syd., F.I.P. Sr. Lectr.
Kettleborough, C. F., B.Eng., Ph.D. (Mech. E.) Sheff. Sr. Lectr.
Svensson, N. L., B.Mech.E. (Mech. E.) Lectr.
Delatycki, O., Dipl.Ing. (Mech. E.) Sr. Demr.
Good, Eileen M. F., Dip.Arch. Sr. Demr.
Humphrey, J. Sr. Demr.

Campbell, D. W. (Machine Tools) Demr.
Spence, W. C. (Heat Engines) Demr.
1 Pt.-time Officer.

*Metallurgy*

Worner, H. K., D.Sc., F.I.M. Prof.
Alder, K. F., M.Sc. (Phys. M.) Sr. Lectr.
Willis, G. M., M.Sc. (Chem. M.) Sr. Lectr.

Lecturers

Smith, R., B.Met.E. (Metallography).
Guerin, B. D. (Assaying).
Hoggart, J. S., B.Met.E. (Mech. M.).

Senior Demonstrators

Bett, F. L., B.Met.E.
Walker, D. G., M.Sc.

Indust. Res. Officer

Cullen, G. V.

*Mining*

Dunkin, H. H., B.Met.E. Assoc. Prof.
Carr, J. S., B.Sc., B.E. (Min.) N.Z. Sr. Lectr.
Nevill, H. F. C. (M. Engin.) Sr. Lectr.
Rawling, K. R., B.Sc. Res. Asst.
2 Pt.-time Officers.

*Surveying*

Thornton-Smith, G. J., B.E., B.Surv. W.Aust., M.C.E. Assoc. Prof.
Buley, J. V., B.Sc. Sr. Lectr.

## Medicine

(for subjects of first 3 yrs.—Anat., etc., v. *supra*)

*Anæsthetics*

Kaye, G. A., M.D., B.S., D.A. Pt.-time Lectr.

*Bacteriology*

Rubbo, S. D., Ph.D., B.Sc., M.B., B.S., Dip.Bact. Lond. Prof.
Gray, D. F., D.Sc. Q'ld., B.V.Sc. Syd. and Q'ld., M.Sc., Dip. Bact. Lond. Assoc. Prof.

Senior Lecturers

Huybers, K. A., M.B., B.S. Q'ld., Dip.Bact. Lond.
Gibson, F. W. E., Ph.D. Oxon., B.Sc.

Lecturers

Paine, H. N., B.S. Chic.
Mushin, Rose, M.Sc., Ph.D.
Millis, N., Ph.D. Brist., M.Agr.Sc.

Senior Demonstrators

Keogh, Barbara, M.Sc. (on leave).
Cregan, Judith, B.Sc.

Public Health Laboratory

Ormerod, S., B.M., B.Ch., M.A. Oxon. Actg. Asst. Dir.
Swaby, L. J., B.Agr.Sc. Sr. Bacteriologist.

Bacteriologists

Taplin, Jennifer, B.Sc.
Price, Lorna O., B.Sc.
Merrifield, Enid.
Grant, Dora.
Thomas, Rosemary H., B.Sc.
Davidson, A., B.Sc. Q'ld.
9 Pt.-time Officers.

*Experimental Medicine*

Burnet, Sir Macfarlane, Ph.D. Lond., Sc.D. Camb., D.Sc. W.Aust., M.D., F.R.A.C.P., F.R.S. Director, Walter & Eliza Hall Research Institute, Prof.

Anderson, S. G., M.D., B.S. Haley Res. Officer.

Members of Staff of Walter and Eliza Hall Inst.

McLean, D. M., M.B., B.S., B.Sc.
French, E. L., M.Sc. Adel.
Curtain, C. C., B.Sc.

*Medical Ethics*

Dickson, C. H., M.B., B.S.
Pt.-time Lectr.

*Med. Jurisprudence*

Bowden, K. M., M.B., M.S.
Pt.-time Independent Lectr.
McCallum, N. E. W., M.Sc.
Pt.-time Res. Worker.

*Medicine*

Hayden, J. G., C.B.E., M.D., B.S., E.D., F.R.C.P., F.R.A.C.P.
(Pt.-time) Stewart Lectr.
Clarke, M. V., M.D., B.S.
(Pt.-time) Stewart Scholar and Lectr.

*Medicine, Clinical*

Clinical Supervisors in Hospitals

Gandevia, B. H., M.B., B.S. (Royal Melb. Hosp.).
Stubbe, J. L., M.B., B.S. (Royal Melb. Hosp.).
Hill, R. A., M.B., B.S., F.R.C.S. (St. Vincent's Hosp.).
Fitzgerald, J. E., M.B., B.S. (St. Vincent's Hosp.).
Rogerson, W. R., M.B., B.S. (Alfred Hosp.).
Gunter, J. D. S., M.B., B.S. (Alfred Hosp.).
Neal, B. W., M.B., B.S. (Children's Hosp.).

*Normal Psychology*

Part-time Lecturers

Sinclair, A. J. M., M.D., B.S.
Williams, J. F., M.D., B.S., D.P.M. Lond.
Mulvany, B. J., M.B., B.S., D.P.M.
Reynolds, P. G., M.B., B.S.

*Obstetrics and Gynæcology*

Townsend, S. L., M.B., B.S., D.T.M. & H., F.R.C.S.Ed., F.R.A.C.S., F.R.C.O.G. Prof.
Professorial Unit at Women's Hospital
Godfrey, G. G., M.B., M.S., D.G.O., F.R.A.C.S. (Gynæcol.)
First Asst.
Kneale, B. L. G., M.B., B.S. (Gynæcol.) Second Asst.
Ley, D. G., M.B., B.S., D.G.O. (Obstet.) First Asst.
Mackay, E. V., M.B., B.S. (Obstet.) Second Asst.
Campbell, Kate I., M.D., B.S. (Infant Welfare)
Pt.-time Clin. Lectr.
Colebatch, J. H., M.D., B.S., D.C.H., F.R.A.C.P. (Infant Welfare) Pt.-time Clin. Tutor.
Macdonald, C., M.B., B.S., D.M.R.E. Camb., F.R.A.C.P. (Radiol.) Pt.-time Lectr.
Rose, W. McI., M.D., B.S. (Medical Dis.) Pt.-time Lectr.
Hayes, W. I., M.B., B.S., D.G.O. Dub., F.R.A.C.S., F.R.C.O.G.
Thalia Roche Demr.

*Pædiatrics*

Southby, R., M.D., B.S., F.R.A.C.P. Pt.-time Lectr.

*Pathology*

King, E. S. J., D.Sc., M.D., M.S., F.R.A.C.P., F.R.C.S., F.R.A.C.S. Prof.
Christie, G. S., M.D., B.S., F.R.A.C.S. (on leave)
Sr. Lectr.

Senior Associates

Bettinger, H. F., M.D. Breslau.
Hicks, J. D., M.B., B.S.
Jackson, A. V., M.D., B.S.
Perry, J. W., M.B., B.S.
Smith, A. T., M.D., B.S.
Funder, J. F., B.Sc., M.B., B.S.
Birrell, J. H. W., M.B., B.S.
Asst. Curator of Museum.
Whiteside, M. G., M.B., B.S.
Lectr.
McCallum, N. E. W., M.Sc. (Chem. Pathol.) Lectr.

Johnson, N., M.B., B.S.
Res. Scholar.
Freidin, J., M.B., B.S.
Res. Scholar.
Fleming, W. B., M.B., B.S.
Res. Probationer.

Part-time Officers

Hurley, J. V., M.B., B.S.
Stewart Lectr.
Bignell, J. L., M.B., B.S., D.O., F.R.C.S., F.R.A.C.S. (Diseases of the Eye) Lectr.
Anderson, R. M., M.B., B.S. (Neuropathol.). Lectr.
Stanistreet, R. H., M.B., B.S. (Beaney Scholar) Sr. Demr.
Williams, A. L., M.B., B.S. (Pathol. to Dent. Students)
Sp. Lectr.

Lecturers/Demonstrators

Antonie, T. E., M.B., B.S., F.R.C.S., F.R.A.C.S.
Clarke, M. V., M.D., B.S.
Curtis, J. B., M.B., M.S., F.R.C.S., F.R.A.C.S.
Garlick, H. W., M.D., B.S.
Hughes, E. S. R., M.D., M.S., F.R.C.S., F.R.A.C.S.
McNeil, P. L., M.B., B.S.
Plueckhahn, V. D., M.B., B.S. Adel.
Reid, S. F., O.B.E., M.B., M.S., F.R.C.S., F.R.A.C.S.
Robinson, B. J., M.D., B.S.
Stahle, I. O., M.D., B.S., D.D.M. Syd.
Webb, R. G., M.B., M.S., F.R.C.S.
Wettenhall, H. N. B., M.D., B.S.
Cox, L. B., M.D., B.S. (Neurological P.) Hon. Lectr.
Webster, R., D.Sc., M.D., B.S. (Pathol.) Hon. Lectr.
Swinburne, T. G., M.B., B.S., F.R.C.S., F.R.A.C.S.
Hon. Res. Schol.

*Pharmacy*

Stanton, B. L., M.B., B.S., F.R.A.C.P. Pt.-time Lectr.

*Radiology*

Part-time Lecturers

Crisp, E. R., M.D., B.S., D.M.R.E. Camb.
Mackay, A. J. G., M.B., B.S.
Casey, E. W., M.B., B.S.

*Social Medicine*

Dougan, N. K., M.B., B.S., D.P.H. Syd. (Public Health)
Temp. Lectr.

*Surgery*

Coates, A. E., O.B.E., M.D., M.S., F.R.A.C.S.
Pt. - time Independent Stewart Lectr.
Reid, S. F., O.B.E., M.B., M.S., F.R.C.S., F.R.A.C.S.
Pt.-time Stewart Lectr.
Burnside, K. B., M.B., B.S., F.R.C.S., F.R.A.C.S.
Pt.-time Guy Miller Lectr.
Eddey, H. H., B.Sc., M.B., B.S., F.R.C.S., F.R.A.C.S. (Surg. Anat.) Ind. Lectr.
Leslie, D. R., M.B., B.S. (Surg. Anat.) Asst. Lectr.
Lawson, R. S., M.B., B.S. (Surg. Anat.) Asst. Lectr.

*Therapeutics*

Part-time Lecturers

Frew, J. L., M.D., B.S., F.R.A.C.P.
Clarke, J. E., M.D., B.S., F.R.A.C.P.
Hughes, J. F., M.D., B.S., D.T.M.

*Venereal Diseases*

Part-time Lecturers

Melville, C. B., M.B., B.S., 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.

## Veterinary Science

Albiston, H. E., D.V.Sc. Dir.
Pullar, E. M., D.V.Sc.
Sr. Vet. Res. Officer.
Gorrie, C. J. R., B.V.Sc.
Sr. Vet. Res. Officer.

Chodnik, K. S., Ph.D. Edin., B.V.Sc. Poland Res. Officer.
Swift, Norma H., B.Sc. Bacteriologist and Biochemist.

Milk Bacteriologists
Sandiford, Margaret I., B.Sc.Agr. Syd.
Simpson, Florence M., B.Agr.Sc.

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FACULTY WORKSHOPS. Officer-in-charge: E. A. F. Matthaei, Dip. Optics Jena.

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QUEEN'S COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 4095.) (Methodist.) Master—R. C. Johnson, M.A. Oxon., D.Sc. Lond. and Melb., Ph.D. Lond. 18 other Tutors.

NEWMAN COLLEGE, Carlton, N.3, Victoria. (*Telephone*: FJ 5915 (Newman), FJ 1032 (St. Mary's Hall).) (R.C.) Rector—Very Rev. J. M. Murphy, M.A. Dean—Rev. J. Fahey. Superior of St. Mary's Hall—Mother Francis. 23 Tutors.

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## GENERAL INFORMATION

The Univ. was founded in 1853 by an Act of the Victorian Legislature and declared open in 1855. In 1854 a site of about 100 acres was reserved for Univ. purposes. Schools of Law and Med. were established in 1857 and 1862 respectively. The ceremonial Wilson Hall (destroyed by fire in 1952) was opened in 1882, a year after women students were first admitted. Residential colleges were established as follows: Trinity, 1872; Ormond, 1881; Queen's, 1888; Newman, 1919. The Conservatorium of Music was opened in 1895 and the College of Dentistry affiliated with the Univ. in 1904. A year later schools of Dent. and Agric. were established. By 1909 more than 1000 students were attending the Univ.; this had risen to 2000 by 1920, and during the ensuing 10 yrs. schools of Arts, Anat., Bot. and Geol. were built and the Univ. Press established. In 1935 the Univ.'s first salaried Vice-Chancellor was apptd., previous holders of that office having acted in an honorary capacity. 1937 saw the establishment of Union House, a recreation centre for students, now 4000 strong, and the opening of Univ. Women's College, to which major extensions were made in 1952. Chem. and Comm. buildings were opened in 1939. The student body increased from 4400 in 1939 to 9100 in 1947; this influx necessitated the opening, in 1947, of a branch of the Univ. at Mildura, where, for 3 yrs., first-year students in several Facs. were trained. Numbers have since fallen to 7320 in 1952.

CONSTITUTION. The Council is composed of 32 members—elected by graduates (10); representatives of the teaching staff (5); of affiliated colls. (2), undergrads. (2); apptd. by the Govt. (8) (3 being Members of Parliament, the others representing business interests and technical schools); *ex officio* (3); and co-opted members (2). Convocation (the body of grads.) elects a Standing Cttee. with certain legislative and advisory functions. There is a Professorial Board, and individual courses are controlled by Facs. and Bds. of Studies.

INCOME. In 1952, expenditure amounted to £A1,502,632 (including £A26,564 for new bldgs.) as against total income of £A1,768,203, which included £A36,872 of the Commonwealth Govt. Grant in respect of 1951, £A153,528 donations and bequests for capital purposes and £A85,000 proceeds of fire insurance on Wilson Hall. The State Govt. has fixed an amount of £A568,000 as its contribution to the Univ. during the present financial year.

FACULTIES AND DEANS (1953). *Agriculture*, Prof. S. M. Wadham (Agric.); *Architecture*, Prof. B. B. Lewis (Archit.); *Arts*, Prof. J. T. Burke (Fine Arts); *Dental Science*, Prof. A. B. P. Amies (Dent. Sci.); *Economics and Commerce*, Prof. W. Prest (Econ.); *Education*, Prof. G. S. Browne (Educn.); *Engineering*, Prof. H. K. Worner (Metallurgy); *Law*, Prof. Z. Cowen (Law); *Medicine*, Prof. S. Sunderland (Anat.); *Music*, Prof. C. E. Moorhouse (Elect. Engin.), Acting; *Science*, Prof. V. M. Trikojus (Biochem.); *Veterinary Science*, Prof. R. D. Wright (Physiol.).

LOCATION OF OUTSIDE DEPARTMENTS. *Dept. of Experimental Medicine*: Royal Melbourne Hospital, Parkville, N.2, Melbourne. *Veterinary Research Institute*: Parkville, N.2, Melbourne. *Dental College*: 193 Spring St., Melbourne, C.1.

LIBRARIES. Central Library, 122,464 vols. Branch libraries: Agric., 3665; Archit., 1774; Botany, 4319; Conservatorium, 603; Engin. and Metallurgy, 11,607; Forestry, 473; Geology, 9071; Zool., 5207; Chem., 4773; Medicine, 24,081.

MUSEUMS. Agric., Chem., Dent. Sci., Geol., Hist., Music (Percy Grainger), Path., Zool.

LABORATORIES. Agric., Anat., Bacteriol., Biochem., Botany., Chem., Civ. Engin., Dental Sci., Elect. Engin., Exper. Med., Geol. and Mineral., Mech. Engin., Metall., Meteorol., Mining, Obstet. and Gynæcol., Pathol., Physics, Physiol., Psychol., Statistics, Vet. Sci., Zool.; also Forestry (Field Station), Bot. (System Garden); and several Commonwealth Govt. Labs. (including X-ray and Radium, and C.S.I.R.O. sections). *Veterinary Research Institute*, Parkville, *Walter and Eliza Hall Research Institute*, in connexion with Royal Melb. Hosp.

TEACHING HOSPITALS. *General Hospitals*: Royal Melbourne Hosp., Alfred Hospl., St. Vincent's Hospl., Prince Henry's Hospl. *Special Hospitals*: Women's Hospl., Queen Victoria Memorial Hospl., Children's Hospl., Victorian Eye and Ear Hospl., Fairfield Hospl., Mental Hospl. (Royal Park).

ADMISSION. *See* Appendix I.

NON-MEMBERS OF THE UNIVERSITY are not admitted to classes.

PUBLIC EXAMINATIONS. The University through its Schools Board holds School Intermediate and School Leaving examns. throughout Victoria annually. Pupils of certain secondary schools (approved after inspection) may obtain credit on headmaster's certificate without sitting for external examn. The Matriculation Examn. (1 yr. after School Leaving) is held for pupils seeking to enter the Univ. Special provision exists for the matriculation of discharged members of the Services and adults. *See also* Appendix I.

DEGREE COURSES. 3 yrs.—B.A. (Ordinary), B.Sc. (4th yr. for Hons.), B.Sc.F., B.Com. (Ordinary); 4 yrs.—B.A. (Hons.), B.Com. (Hons.), LL.B. Pass, Hons., Mus.Bac., B.C.E., B.M.E., B.Met.E., B.E.E., B.Mech.E., B.Surv., B.Chem.E., B.Agr.Sc. (including 1 yr. at an approved Agricultural College); 5 yrs.—B.Arch., B.D.Sc.; 6 yrs.—M.B., B.S. The University is prohibited by Act of Parliament from conferring degrees in Divinity; degrees of B.D. and D.D. are conferred by the Melbourne College of Divinity (non-Univ.).

HIGHER DEGREES. Open to Bachelors of 1 yr.'s standing—M.Agr.Sc., LL.M., M.Eng.Sc.; 2 yrs.'—B. Ed., M.Sc., M.Sc.F., M.D., M.S., M.D.Sc., M.V.Sc.; 3 yrs.'—M.Ed., M.C.E., M.M.E., M.Met.E., M.E.E., M.Mech.E., M.Chem.E., Mus.Doc., D.V.Sc.; 4 yrs.'—D.Sc., LL.D., D.D.Sc.; 5 yrs.'—D.Eng., M.Arch., D.Arch.; 7 yrs.'—Litt.D. The M.A. and M.Com. are open to Bachelors (Honours) of 1 yr.'s standing and Bachelors (Ordinary) of 2 yrs.' standing. The B.Ed. course (of 2 yrs.' duration) can be taken after graduation in any other Faculty. Standing required before admission to the Ph.D. course varies according to the Faculty in which prior degree was taken. Courses of medical postgraduate study arranged by special Committee on which Univ. is represented.

DIPLOMAS. D.P.H., open to med. grads. of Melb. and persons qualified for registration as med. practrs. in U.K., 12 mos.; Ophthalmology, Laryngology and Otology, Gynæcology and Obstetrics, Therapeutic Radiology, Diagnostic Radiology, Anæsthesia and Psychological Medicine (D.O., D.L.O., D.G.O., D.T.R., D.D.R., D.A., D.P.M.), open by examn. to med. grads. of 3 yrs.' experience in practice. Dietetics (Dip.Diet.), 1 yr. following B.Sc. or B.Agr.Sc. course; Dip.Ed., 1 yr. following graduation in any other Faculty; Journalism, Physical Education, Public Admin., Town and Regional Planning (Dip.Journ., Dip.Phys.Ed., Dip.Pub.Admin., D.T.R.P.), 2 yrs.' undergraduate study; Arch. Design, Music, Social Studies (Dip.Arch.Des., Dip.Mus., Dip.Soc. Stud.), 3 yrs.' undergraduate study; Dip.Agr., 4 yrs.' undergraduate study;

Dip.Mus., Dip.Soc.Stud., 3 yrs.' undergraduate study; Dip.Agr., 4 yrs.' undergraduate study.

FEES (all figures in Australian currency). Matricn., 2 gs.; Degree (except Dental Science, 8 gs.), 10 gs.; Degree courses in Agric., 4 yrs., £288; Archit., 5 yrs., £349; Arts, 3 yrs., £178; 4 yrs., £217; Commerce, 3 yrs., £211; 4 yrs., £229; Dent. Sci., 5 yrs., £516; Educn., 2 yrs., £88; Engin., 4 yrs., £301; Law, 4 yrs., £283; Med., 6 yrs., £538; Music, 4 yrs., £301; Science, 3 yrs., £229; 4 yrs., £277; Sports Entrance Fee, £1 : 10s.; Annual Sports Fee, £2 : 5s.; Union Entrance Fee, £4 : 4s.; Annual Union Fee, £6; S.R.C. Fee, 12s.

ACADEMIC YEAR. March to Nov. Four terms: 1st and 2nd terms, 10 weeks each; 3rd and 4th terms, 6 weeks each.

ADULT EDUCATION. Adult education in Victoria, which was formerly directed by the University Extension Board, is now controlled by the Council of Adult Education under the provisions of a special Act of Parliament.

VACATION COURSES. No regular courses are provided by the University, but from time to time certain departments arrange special courses during the long vacations.

PRINCIPAL "OPEN" AWARDS. Aitchison Scholp., Commonwealth Scholps., Dick Bursaries, Free Places, Gowrie Scholps., Moran Bursaries, Rest-Home Bursary, Senior Govt. Scholps., War Bursaries. A Students' Loan Fund has assets exceeding £A70,000.

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.; Argus, Stawell and Melvin Memorial Scholps. in Engin.; Stewart Scholp. in Med.; Walter and Eliza Hall Fellowship in Vet. Sci.; Sir John and Lady Higgins Research Scholp.; Sir Arthur Sims Travelling Scholp.; Dixson Research Scholp. in Engin.; Margaret Catto Scholp.; Grants and Scholps. from Commonwealth and Victorian State Govt. funds; I.C.I.A.N.Z. Research Fellowships (2); Grimwade Prize; Harbison-Higinbotham Scholps.; Ernest Scott Prize; David Syme Research Prize; Monsanto Scholp. in Chem.

RESIDENCE. (All figures in Australian currency.) The Residential Colls. accommodate over 600 resident students. Trinity College (175 gs.), 119 students; Janet Clarke Hall (170 gs.), 67 students; Ormond College (190 gs.), 140 students; Queen's College (190 gs.), 100 students; Newman College (145 gs.), 100 students; University Women's College (165 gs.), 92 students. (*See also* p. 968.)

APPOINTMENTS BOARD. The Appointments Board provides an employment service for men and women with Univ. training. It has reciprocal agreements throughout Australia and the U.K. whereby Boards of other Univs. make their services available to graduates and undergraduates of the Univ. of Melbourne. The Board also arranges vacation work. (*See also* p. 968.)

MILITARY AND AIR FORMATIONS. Melbourne University Regiment (military) and University Air Squadron.

STUDENT HEALTH SERVICE. The Students' Representative Council, in conjunction with Commonwealth X-ray and Radium Labs., conducts a free X-ray service. It also conducts a free eye-testing scheme in conjunction with the Australian Coll. of Optometry. The S.R.C. has also set up a Blood Bank.

STUDENTS' UNIONS. Union House, established in 1937, is the centre of student activities; it is governed by the Union Bd. of Management, on which both staff and students are represented. The bldg. includes a theatre, art gallery, library (Rowden White), reading rooms and cafeteria. A Students' Representative Council, established in 1915, organizes student functions and services and supervises clubs and societies.

GRADUATE UNION. In 1938, when the present Union House was created, a graduates' section of the Melbourne Univ. Union came into being. By the end of 1951, membership of the society had risen to over 2000. As from 1953, the grad. soc. is to enjoy independent status under the Council as the Graduate Union. The Graduate Union produces its own magazine: *The Melbourne Graduate.* Women grads. may belong to the Melbourne Women Graduates' Assocn., a branch of the Australian (and International) Federation of Univ. Women.

ATHLETIC FACILITIES. Facilities for cricket, football, athletics, tennis, hockey, basket-ball, baseball, rowing, squash racquets, fencing, lacrosse.

PUBLICATIONS. *Calendar* (March), 12s. 6d. net (handbooks containing extracts and general information relevant to each Faculty published separately, 3s. each); *Annual Examination Papers,* in sets, 3s. each; *Handbook of Public Examns.,* 10s.; *Conservatorium Prospectus*; *Manual of Public Examinations in Music*; *Research Report*; *University Gazette* (containing academic news and official announcements) published during term; *Melbourne Graduate* (magazine of Graduate Union); *Circulars to Schools,* published about 10 times a year and forming a link between the University and the secondary schools. *A History of the University of Melbourne,* by Prof. Ernest Scott (Melbourne Univ. Press, 1936). Students' journals: *Melb. Univ. Magazine*; *Farrago* (weekly); *Speculum* (Medical); *The Margin* (Commerce); *Res. Judicatæ* (Law); *Science Review* (Science); *Cranks and Nuts* (Engineering); *Present Opinion* (Arts).

The MELBOURNE UNIVERSITY PRESS, founded in 1922, publishes works by members of the Univ. and other writers on learned subjects in Australia and New Zealand. It also sells text-books, and caters for students' requirements in stationery and apparatus.

## THE YEAR 1952

BENEFACTIONS (all figures are in Australian currency). General Motors Holdens Ltd., £1000, Chair of Commercial Law; Baillieu Trust, £1901, new library; Dyason Trust, £8558, general purposes; Victorian Chamber of Manufactures, £1050, for Chemistry bldg. and to assist in book publication; Anti-Cancer Council of Victoria, £1750, Pathol. and Biochem. depts.; Gas and Fuel Corp. of Vic., £1076, Bot. and Engin. depts.; I.C.I.A.N.Z. Ltd., £1200, fellowships; Rockefeller Foundation, £2400, Biochem. dept.; Commonwealth Bank of Aust., £6750, Agric. School, Agric. Eng. res., Agric. res.; estate of Mrs. H. B. Shaw and H. B. Shaw, £2932, Wind Tunnel Project; estate of G. W. G. Butler, £2300, general purposes; estate of J. J. I. Winter, £1748, res. fund; David Syme & Co. Ltd., £3800, salary of Archit. Prof.; anon., £1000, Med. chairs; estate of Mrs. R. E. Altson, £1500, Med. bursary; estate of S. G. Craig, £1055, Law scholp.; anon., £6000, Conservatorium Vice-Director; Dept. of Mines, Adel., £1000, coal utilization investigation; Rotary Club of Melb., £3018, res. into problem of the aged; estate of D. E. A. J. Smith, £2000, scholp. and cancer res.; estate of M. A. M. Lockie, £22,000, advancement of lit.; other

donations totalling £13,239. Principal donations to Wilson Hall Rebuilding Fund: Dr. A. E. Rowden White, £1000; Victorian Associated Brewers, £5000; National Bank, £2000; G. J. Coles, £1000; estate of R. M. McDonald, £1000; Broken Hill Associated Smelters Pty., Ltd., Zinc Corp. Ltd., North Broken Hill Ltd., Broken Hill South Ltd., £5000; Sidney Myer Charity Trust, £1000; Victorian Women Grads. Assocn., £1934; T. Baker, A. Baker and Eleanor Shaw Benefactions, £1000; Electrolytic Zinc Co., £2000; descendants of Dr. W. H. Cutts, £1232; Australian Paper Manufacturers Ltd., £1000; I.C.I.A.N.Z. Ltd., £1000; Sir Russell Grimwade, £2000; other donations totalling £25,859. Principal donations to Engineering Appeal Fund: Broken Hill Pty. Co., Ltd., £2000; Australian Iron and Steel Ltd., £2000; McPherson's Ltd., £1000; North Broken Hill Ltd., £2500; Broken Hill South Ltd., £1500; Consolidated Zinc Pty., Ltd., £2500; Electrolytic Zinc Co., £2500; Australian Paper Manufacturers Ltd., £1000; H. V. McKay Massey Harris Pty., Ltd., £5000; other donations totalling £13,701. Donations to International House Appeal Fund totalling £6319.

NEW BUILDINGS. Work completed on first floor of new Physics Sch. bldg. Tribophysics bldg. completed. Addition to Univ. Women's College completed.

NEW DEPARTMENTS AND POSTS. Professorship of Econ. Res.; Assoc. Professorships in Phys. Chem. and Psychol. New dept. of Town and Regional Planning.

PRINCIPAL CHANGES IN REGULATIONS. Increase in fees for all courses and for public examns. Revision of regulations for M.A. and LL.M. Abolition of courses for Dip.Com., Dip.Anal.Chem. and Dip. Dramatic Art. Introduction of course for Degree of B.Sc. with hons.—additional yr.'s work after B.Sc. Revision of regulation for Mus.Bac. (School of School Music Course).

ADULT EDUCATION. Adult educn. 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 BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. E. C. Dodds delivered Halford Oration on "Some Biochemical Aspects of the Problems of Ageing"; Dr. R. T. Hutcheson, Registrar of Glas. Univ.; Prof. A. Morris, Boston, was attached to the Criminol. Dept.; Prof. P. Sharp, Fulbright Prof.; Prof. C. Hartshorne, Fulbright Prof.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. R. M. Crawford worked at Oxon.; Prof. D. P. Derham lectured at Wadham Coll., Oxon.; Dr. D. N. F. Dunbar took up a fellowship at Cal. Tech.; A. E. Ferguson went to M.I.T. as teaching asst.; F. H. Johnston, Registrar, visited Univs. in U.K.; Prof. J. A. La Nauze worked at Inst. of Commonwealth Studies, Univ. of Lond.; Assoc. Professor Mohr, Univ. Coll., Lond.; Dr. D. Thomson visited U.K. and gave lectures at the Univs. of Birm. and Camb.; A. A. Wilcock, Camb.

RETIREMENTS. Miss J. Alexander (Chem.); Miss R. Sugden (Chem.); Miss E. Joske (Principal, Janet Clarke Hall).

RESIGNATIONS. T. M. Brett (Civil Engin.); R. J. Deam (Mech. Engin.) to join Caltex Oil Co. in Persia; Dr. D. W. Goodall (Bot.), apptd. sr. lectr. at U.C. of the Gold Coast; Dr. G. M. Harris (Chem.); Dr. Nancy Hayward (Bacteriol.); A. S. Livingstone (Soc. Studies); H. Maddox (Psychol.); Dr. R. D. Marshall (Anat.); R. B. Mitchell (Engl.); Dr. J. C. Nixon (Mining); S. S. Orr (Philos.), apptd. Prof. of Philos. at U. of Tasmania; L. R. D. Pyke (Chem.), apptd. Headmaster of Newington Coll., Sydney; Dr. A. W. Pound

(Pathol.); E. E. Ward (Pol. Sci.), apptd. to post with United Nations; Dr. R. K. Wilson (Comm.).

DEATHS. J. P. Bainbridge (former Registrar); Dr. J. Dale (formerly Public Health); Dr. C. H. Kellaway (former member of Council); Sir Walter Massy-Greene (former member of Council); the Hon. T. D. Oldham (member of Council and former Deputy Chancellor); Dr. G. Reid (Physiol.); Assoc. Prof. E. J. C. Rennie (Engin.).

HONORARY DEGREES. *LL.D.*—Hon. P. Jarman, American Ambassador in Australia; Sir Henry S. Newland, former president of the Federal Council of the B.M.A.; Prof. C. H. Best, Dir. of Med. Res., Univ. of Tor.; Sir John D. Cockcroft, Dir. of Atomic Energy Res. Establishment, Harwell. *M.D.*—Prof. W. E. Le Gros Clark, Prof. of Human Anat., Oxon.; Dr. F. A. Jones, Consultant in Gastroenterol., Postgraduate Med. Sch. of London; Prof. L. C. Rogers, Prof. of Surg., Univ. of Wales; Dr. N. M. Gregg, Lectr. in Ophthalmol., Univ. of Syd.; Dr. A. B. Reese, Assoc. Prof. of Ophthalmol., Col. Univ.; Dr. J. Foster, Lectr. in Ophthalmol., Univ. of Leeds; Prof. E. C. Dodds, Courtauld Prof. of Biochem., Univ. of Lond.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* | *External* |
|---|---|---|---|
| Men | 2080 | 3232 | 472 |
| Women | 481 | 985 | 70 |
| Total | 2561 | 4217 | 542 |

Postgraduate students, 201.

New admissions, 1503.

Students from other countries, 234. (Countries from which largest numbers came: Federation of Malaya, 80; India, 44; Singapore, 28; U.S.A., 24; Ceylon, 17.)

DEGREES. *Agric.*: B.Agr.Sc., 27; M.Agr.Sc., 4; *Archit.*: B.Arch., 33; *Arts*: B.A. (Hons.), 56; B.A., 192; M.A., 35; Ph.D., 3; *Comm.*: B.Com. (Hons.), 6; B.Com., 139; M.Com., 1; *Dental Sci.*: B.D.Sc., 65; M.D.Sc., 1; D.D.Sc., 2; *Educn.*: B.Ed., 36; M.Ed., 1; *Engin.*: B.C.E., 40; B.E.E., 32; B.Mech.E., 42; B.M.E., 2; B.Met.E., 5; M.E.E., 1; M.Eng.Sc., 4; Ph.D., 2; D.Eng., 1; *Law*: LL.B. (Hons.), 6; LL.B., 53; LL.M., 2; *Med.*: M.B., B.S., 163; M.S., 1; M.D., 16; *Music*: Mus.Bac., 19; *Science*: B.Sc., 125; B.Sc.F., 3; M.Sc., 27; D.Sc., 1; Ph.D., 3. *Total number of first degrees awarded*, 1044.

DIPLOMAS. *Archit*: Dip. Town and Reg. Plan., 23; *Comm.*: Dip.Comm., 27; Dip.Pub.Admin., 14; *Educn.*: Dip.Educn., 54; *Med.*: Dip.Diag. Rad., 4; Dip. Gynæcol. and Obstets., 2; Dip. Laryngol. and Otol., 1; Dip. Ophthalmol., 2; Dip.Psychol.Med., 1; Dip.Anæsth., 1; *Music*: Dip.Mus., 14; *Phys. Educn.*: Dip.Phys.Educn., 4; *Science*: Dip. Dietetics, 1; *Soc. Studies*: Dip.Soc.Studies, 14. *Total number of diplomas awarded*, 162.

[*Information compiled as at* 26/5/53.]

# THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY*

Established 1948; incorporated by Act of Parliament 1949

*Postal Address*: Broadway, Sydney, New South Wales, Australia.
*Telegraphic Address*: Tecol, Sydney.
*Telephone*: Sydney MO422.

PRESIDENT—WALLACE C. WURTH, C.M.G., LL.B. Syd.
VICE-PRESIDENT—The Hon. JOHN S. J. CLANCY, LL.B. Syd.
DIRECTOR—JOHN P. BAXTER, O.B.E., B.Sc., Ph.D. Birm.
REGISTRAR—GODFREY L. MACAULEY, B.Ec. Syd.

## TEACHING STAFF

*Applied Chemistry*

Alexander, A. E., M.A., B.Sc. R'dg., Ph.D., Sc.D. Camb.
Dean, Fac. of Appl. Sc. and Prof.

Associate Professors

Nyholm, R. S., M.Sc. Syd., Ph.D., D.Sc. Lond.
Angyal, S. J., Ph.D. Budapest.

Senior Lecturers

Anderson, H. A., B.Sc., Ph.D. Leeds.
Bryson, A., M.Sc., B.App.Sc. Q'ld.
Cavill, G. W. K., M.Sc. Syd., Ph.D. Liv.
Cole, E. R., M.Sc. Syd.
Martin, L. W. O., B.Sc. Syd.
Ralph, B. J. F., B.Sc. Tas., Ph.D. Liv.
Shaw, G., B.Sc., Ph.D. Lond.

Lecturers

Anderson, J. R., B.Sc. (on leave).
Anderson, J. R. A., M.Sc., F.R.I.C.
Backhouse, J. R., M.Sc. Syd., F.C.S.
Barbour, R. G. H., B.Sc.Agr. Syd.
Barclay, G. A., B.Sc., Ph.D., Dip.Ed. Syd.
Barke, D. J., B.Sc. Lond., F.C.S.
Barnes, T. W.
Beckman, P., F.C.S.
Buchanan, G. S., B.Sc. Syd.
Courtney, J. L., B.Sc.
Curthoys, G. C., B.Sc. Syd.
Davies, N. R., B.Sc. Lond., F.R.I.C.
Dunstan, W. J., M.Sc. Syd.
Eade, R. A., M.Sc. Syd.
Fraser, I. M., B.Sc. Syd., Ph.D. Camb.
Gascoigne, R. M., M.Sc. Syd., Ph.D. Liv.
Hall, F. M.
Harris, C. M., B.Sc.
Hempel, F. H., B.Sc. Melb.
Hunt, C. H.
Lark, P. D., B.Ec. Syd., B.Sc.
Livingstone, S. E. M. R., B.Sc.
Martin, E. C., F.C.S.
Morris, B. S., M.Sc. Syd.
O'Brien, K. G., M.Sc. Syd.
Shipp, E., B.Sc. Syd.
Short, L. N., M.Sc., Dip.Ed. Syd., D.Phil. Oxon.

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

Simes, J. J. H., M.Sc., Dip.Ed. Syd.
Steele, M. C.
Sutton, G. J., M.Sc.
Sutton, J., B.Sc. Manc.
Swinbourne, E. S., B.Sc.
Taylor, C. R., B.Sc. Syd.
Werner, R. L., M.Sc.
Gutmann, F., Ph.D. Vienna, F.I.P. Res. Lectr.
9 Demrs. and 20 Tech. Officers.

*Applied Mathematics*

Bosson, G., M.Sc. Lond. Prof.

Senior Lecturers

Douglas, J. B., M.A., B.Sc., Melb.
Griffith, J. L., B.A., M.Sc., Dip.Ed. Syd.
Kirkpatrick, C. B., M.Sc. Syd.
Senior, S. A., M.Sc., Dip.Ed. Leeds.
Tillott, A. F. T., B.Sc. Syd.

Lecturers

Clarke, J. H., B.Sc. N.Z.
Eggar, M. A., M.Sc., D.Sc., Dip.Ed. Berl.
Ferris, G. E., B.Sc. Syd., M.A. Col.
Groden, C. M., M.Sc. Zür.
Keane, A., M.Sc. Syd., F.R.A.S.
Sandiford, J. St. A., B.Sc. Syd.
Weiler, H., Lic. ès Sc. Paris.

*Applied Physics*

Milner, C. J., M.A., Ph.D. Camb., F.I.P. Prof.
Godfrey, G. H., M.A., B.Sc. Syd., F.I.P. Assoc. Prof.

Senior Lecturers

Curnow, C. E., M.Sc. Syd.
Lederer, J., B.Sc. Syd.
Lishmund, R. E., B.Sc., Ph.D. St. And.
McConnell, J. F., M.Sc. Syd.
Price, W. L., B.Sc., B.E. Syd., F.I.P.

Lecturers

Bowen, L. O., B.E., B.Sc. W.Aust.
Brown, C. R.
Caddy, R. S., B.Sc., Dip.Ed. Syd.
Falls, G. P., B.A., B.Sc. W.Aust.
Hansen, N. R., B.Sc., Dip.Ed. Syd.
Lanczi, E., B.A., B.Sc. Melb.
Milledge, J. A., M.Sc., Dip.Ed. Syd.
Parry, L. G., B.Sc., Dip.Ed. Syd.
Pollard, H. F., M.Sc. W.Aust.
5 Tech. Officers.

*Architecture*

Towndrow, F. E., F.R.I.B.A., F.R.A.I.A. Dean and Prof.

Senior Lecturers

McDonnell, G. H. B., B.Arch. Syd., F.R.A.I.A.
Spooner, P.

Lecturers

Anderson, N. J., B.Arch. Syd., Dip.T.P. Lond.
Bazeley, N. F.
Daniels, E. C.
Dunphy, M. J., F.R.A.I.A.
Kirkland, D. P., A.A.Dip. Lond.
Lennon, D., B.Arch. Syd.
Parker, E. C.
Phillips, R. O., B.Arch. Syd.
Sutton, R. G.
Woolard, F.
Wrigley, D. F., D.Arch. Manc.
1 Arch. Draftsman.

*Chemical Engineering*

Baxter, J. P., O.B.E., B.Sc., Ph.D. Birm. Prof.
Reuter, F. H., Dr.Phil. Berl., F.R.I.C. Assoc. Prof.
Ayscough, F. W., B.Sc. Syd. Sr. Lectr.

Lecturers

Buchanan, R. H., B.Sc. Corn.
Connors, F. L.
Howard, F. O., B.E. Syd.
Murphy, R. K., Chem.E. Col., Dr.Ing. Darmstadt.
McCartney, E. R., B.Sc. Syd.
Roper, G. H., M.Sc.
Smith, J. D., B.Sc.

Warner, R. K., B.Sc.
9 Tech. Officers and 4 Demrs.

*Civil Engineering*

Munro, C. H., B.E. Syd.
Assoc. Prof.

Senior Lecturers

Hall, A. S., B.Sc.Eng. Lond.
Hodson, H., B.Sc., B.E. Syd.
Holdaway, H. W., B.Sc., B.E. Syd.
Ryan, P. W. S.
Vallentine, H. R., B.E. Syd.

Lecturers

Archer, F. E., B.Sc., B.E. Syd.
Balint, P., B.E. Budapest.
Brettle, H. J., B.E. Syd.
Carmichael, A. J., B.E.
Fischer, H. K., Dipl.Ing. Hanover.
Jenkins, J. L., B.E. Syd.
Johnson, K. E., B.E. Syd.
Kitchen, E. M., B.E. Syd.
Nettleton, A. F. S., B.Sc., B.E. Syd.
Peacock, E. E., B.E. Syd.
Shuleshko, P., M.Sc. Kharkov.
Ward, O. G. F.
Watson, K. K., B.E. Syd.
Welch, G. B., B.E. Syd.
White, M. W., B.E.
Woodhead, R. W., B.E. Syd.
8 Tech. Officers.

*Electrical Engineering*

Senior Lecturers

Blake, A. P., B.Sc., B.E. Syd.
Dewsnap, G. C., M.E.E. Melb.
Huey, R. M., B.Sc., B.E. Syd.
Lovering, W. F., M.Sc. Birm.
Mortimer, E. L., B.Sc.Eng. Lond.
Parker, G. J., B.Sc., B.E. Syd.

Lecturers

Arnold, W. H.
Clarke, R. H. J., B.E.
Cole, D. J., B.E.E. Melb.
Edwardes, H. N., B.Sc., B.E. Syd.
Ehlers, W. W. T. H., Dr. Nat. Scs. Hamburg.
George, D. W., B.Sc., B.E. Syd.
Guertler, R., B.E., Dr.Tech. Brno.
Harrington, H. R.
Humphries, H. L., B.Sc., B.E., B.Ec. Syd.
Lamb, C. St. J.
Pawloff, O., Dipl.Ing. Berl.
Plowman, A. S.
Stapleton, C. A., B.Sc., B.E. Syd.
Turner, H. J. A., B.Sc. Lond.
Yates, R. C., B.E. Adel.
Hopkins, E. G., B.E. Res. Lectr.
3 Tech. Officers.

*Humanities and Social Sciences*

Hartwell, R. M., M.A., Dip.Ed. Syd. Prof.

Senior Lecturers

Auchmuty, J. J., M.A., Ph.D. Dub., F.R.Hist.S.
Elkin, P. K., B.A., Dip.Ed. Syd., B.Litt. Oxon.
Thornton, J. B., B.A., B.Sc. Syd.

Lecturers

Atkins, Ruth, B.A., B.Ec., Dip. Ed. Syd.
Cranfield, G. A., B.A., Ph.D. Camb.
Geering, R. G., B.A., Dip.Ed. Syd.
Ginges, A. M., B.A. Syd.
Hague, T. T., B.Ec. Syd.
Ingham, S. M., M.A. Melb.
Presley, C. F., B.A. Wales, B.Litt. Oxon.
Runcie, N., B.Ec. Syd.
Stove, D. C., B.A. Syd.
Nairn, N. B., B.A. Syd.
Res. Lectr.
5 Res. Assts.

*Mechanical Engineering*

Willis, A. H., B.Sc.Eng., Ph.D. Lond. Nuffield Res. Prof.
Wood, J. F. D., B.Sc., B.E. Syd.
Assoc. Prof.

Senior Lecturers

Baylis, T. M.
Corbett, R. E.
Hirschhorn, J., Dipl.Ing. Vienna.

Munro, J., B.E. Syd.
Rosenauer, N., M.E. St. Petersburg, Dr.Ing. Riga.
Taylor, G. P., B.Sc. Chic., B.A.Sc. Tor.
Tuft, R. J.

Lecturers
Allen, A. F.
Allen, J. R., B.E. Syd.
Barna, P. S., B.E. Budapest.
Bonamy, S. E., B.E. Syd.
Borchhardt, H. A., Dipl.Ing.Eth. Zür.
Brock, H., Dipl.Ing. Vienna.
Bryant, R. A. A.
Butler, G. F., B.E. Syd.
Carroll, A. J., B.E. Syd.
Carswell, J. McA.
Dane, R. A.
Dodds, E. W.
Forsythe, M.
Girdler, T. W., LL.B., B.Sc., B.E. Syd.
Hallinan, M. J.
James, A. K.
Kahane, A., Dipl.Ing. Vienna.
McKenzie, R. T.
McLachlan, H. McD., B.E. Syd.
Muiznieks, J. O., Grad.Mech.Eng. Latvia, Dr.Ing.Aer. Rome.
Owen, A. D.
Robertson, R. G., B.A. Oxon.
Sapsford, C. M., B.Sc.Eng. Lond.
Selinger, H., Dipl.Ing. Berl.
Stewart, D. R., B.Sc., B.E. Syd., Ph.D. Oxon.
Walters, R. C. P.
Weiss, K., Dipl.Ing. Vienna.
Wulff, H. E., Dipl.Ing. Cologne.
7 Tech. Officers.

*Metallurgy*
Myers, R. H., M.Sc., Ph.D. Melb. Prof.
Forster, J. B., M.Sc. Leeds Sr. Lectr.
Kopczynski, Z. S., Grad.Mech. Eng. Cracow, M.Eng.Sc. Melb. Lectr.
4 Tech. Officers.

*Mining Engineering*
Phillips, D. W., B.Sc. Wales, Ph.D. Camb., Dip.Met.Min., F.G.S. Dean, Fac. of Engin., Prof.
Webb, J. C., M.Sc. Wales, Dip. Met.Min., F.G.S. Sr. Lectr.

Lecturers
Burdon, R. G.
Danchev, A. S., B.Sc. Leeds.
Jopling, A. V., B.Sc., B.E. Syd.
Lawrence, L. J., B.Sc., Dip.Com. Syd.
Loughnan, F. C., B.Sc. Syd.
Menzies, R. A.
Koch, L. E., Dr.phil. habil, Cologne Res. Lectr.
5 Tech. Officers.

*Wool Technology*
McMahon, P. R., M.Agric.Sc. N.Z., Ph.D. Leeds Prof.
Goldstone, C. L., B.Agric.Sc. N.Z. Lectr.
1 Tech. Officer.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: E. H. Davis. Asst. Registrar and Sec. to Council: J. S. Fraser. Asst. Registrar: R. E. Pert, B.A. Syd. The Univ. is serviced in admin. fields by officers of N.S.W. Technical Education Dept.

## ASSOCIATED COLLEGE

NEWCASTLE UNIVERSITY COLLEGE. Tighes Hill, Newcastle, 2N, N.S.W. *Telephone*: Newcastle M1281. Warden—R. Basden, B.Sc. Lond., M.Ed. Melb.

STAFF. *Appl. Chem., Chem. Engin. and Metall.*: F. L. Ward, M.Sc. Q'ld., Sr. Lectr.; K. A. Allen, M.Sc. N.Z., H. Bardsley, C. C. H. Cooke, G. C.

Curthoys, B.Sc. Syd., A. May, M.A. Berl., Ph.D. Prague, W. E. Pickering, B.Sc., J. S. Ratcliffe, W. R. Walker, B.Sc., Dip.Ed. Syd., Lectrs. *Appl. Maths.*: I. L. Rose, B.E. Syd., Sr. Lectr.; M. Temple, M.A. Dub., Lectr. *Appl. Phys.*: S. C. Baker, M.Sc. Syd., Sr. Lectr. *Civil Engin.*: W. S. Butcher, B.E. Syd., G. J. Haggarty, B.E. Syd., Lectrs. *Electr. Engin.*: H. G. Middlehurst, Sr. Lectr.; A. H. Hean, B.E. Syd., J. W. Wilson, Lectrs. *Mech. Engin.*: W. M. S. Gower, A. K. Johnston, B.E. Syd., Sr. Lectrs.; K. R. Bridger, H. S. Craddock, B.E. Syd., J. N. Hool, B.E. Syd., Lectrs. *Mining Engin.*: A. S. Ritchie, Lectr. 5 Tech. Officers.

## GENERAL INFORMATION

Incorporated by Act of N.S.W. Parliament in April 1949, The New South Wales University of Technology was established to meet the urgent demand in Australia for increasing numbers of technologists and applied scientists, and to provide them with means of advanced training and res. Provision is made for the govt. of the Univ. by a Council representative of Parlt., industry and commerce, the trade unions, technical educn., professional bodies, the Univ. of Sydney, and of the Univ.'s own teaching staff and its undergraduates and graduates. The Council may provide courses in Applied Sci., Engin., Technol., Commerce, Industrial Organization and such other related courses as it deems fit, and may, after examn., confer the several degrees of Bachelor, Master and Doctor, and such other degrees and such certificates in the nature of degrees or otherwise as it thinks fit. Power to decentralize the University's activities, both in its co-operation with industry and in its teaching services, is given to the Council, which is authorized to establish and maintain branches, depts. or colls. at Newcastle, Wollongong, Broken Hill or such other places in the State of New South Wales as it may approve. The first coll. of the Univ. was established at Newcastle in Dec. 1951, and is controlled by the Council. A cttee. of members of Council with experience of educational and industrial requirements at Newcastle advises the Council on the development and management of the Coll.

INCOME for yr. 1951–52, £A719,953 (84 per cent. from State Parliament grants, remainder from fees and contributions from industry and other sources). 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.

FACULTIES AND DEANS. *Applied Sci.*: Prof. A. E. Alexander (Appl. Chem.); *Archit.*: Prof. F. E. Towndrow; *Engin.*: Prof. D. W. Phillips (Min. Engin.).

LIBRARY. The Univ. library is at present incorporated in the Sydney Technical Coll. library. Vols., 45,614; accessions, 1952, 3940.

ADMISSION. *See* Appendix I.

PUBLIC EXAMINATIONS. *See* Appendix I.

DEGREES. 4 yrs.: B.Sc. Pass, Hons. (Appl. Chem., Chem. Engin., Appl. Phys., Wool Technol.), B.E. Pass, Hons. (Civil, Electr., Mech., Mining); 6 yrs.: B.Arch. Pass, Hons.

HIGHER DEGREES. M.Sc., M.E., at least 2 yrs.; Ph.D., at least 3 yrs.

COURSES. First degree courses instituted in Civil, Elect., Mech. and Min. Engin. in March 1948, this initial step being made possible by the work of the Development Council, apptd. in Aug. 1947. Degree courses in Appl. Chem.

and Chem. Engin. began in March 1949, Archit. in 1950, Appl. Phys. and Wool Technol. in 1951.

Two features are emphasized in undergrad. courses. The first is incorporation in the syllabus of industrial experience to supplement lab. and lecture-room work at the Univ. (in the Fac. of Engin., 5 months p.a., supervised and organized to suit the stage and syllabus of each course). The second is the compulsory study of general subjects, such as English, Hist., Econ. and Psychol. These courses are designed to broaden the experience and interests of the student.

From beginning of 1951 the Univ. assumed responsibility for provision of 20 dipl. courses in Engin., Appl. Sci. and Archit., previously provided by the N.S.W. Dept. of Technical Educn. Dipl. courses require attendance for 5 or 6 yrs., pt.-time concurrently with employment in related occupation. Students attending have matriculated and are registered students of the Univ. On the certif. of the Univ. that the course has been completed the Dept. of Technical Educn. issues the dipl. of the A.S.T.C.; the student may then be admitted to degree course with advanced standing, proceeding to Bachelor's degree by 2 yrs.' further pt.-time attendance in a Conversion Course.

Facilities are available to students already in employment and enrolled in appropriate dipl. courses to transfer at certain stages to degree courses at the Univ. Conversion Courses, which began in 1950, permit those who hold such qualificns. from Technical Colls. and from other Univs. to resume their studies and proceed to a degree or higher degree of the Univ.

FEES (all figures are in Australian currency). Undergrad.: Matricn., nil; Graduation, nil; B.Sc. courses, £90-£120; B.E. courses, £120; B.Arch. course, £120. Masters' Degrees (M.Sc., M.E.): Registration, £2 : 2s.; Graduation, £15; Internal students, full-time, £30, pt.-time, £15 p.a.; External students, £10 p.a. Ph.D. Degree: Registration, £2 : 2s.; Graduation, £21; Internal students, £30.

ACADEMIC YEAR. Feb. to Dec. Three terms of 12 weeks each. In certain courses, *e.g.* in Fac. of Engin., students attend Univ. for two terms and for remainder of year gain practical experience in industry.

RESIDENCE. A hostel at Kensington provides accomm. for 60 students. (*Telephone*: FX 6749.) *Fees*: £A3 : 10s. per week.

UNIVERSITY REGIMENT. Established in 1951.

POSTGRADUATE FELLOWSHIPS, ETC. I.C.I.A.N.Z. Res. Fellowship for British Commonwealth graduates, £A600 p.a. for 2 yrs., for study in fields related to interests of I.C.I.A.N.Z.; Monsanto Res. Scholp. for graduates of Australian Univs., £A600 p.a. for 1 yr. for res. in chem. engin.

PUBLICATIONS. *Calendar* with *Annual Report* (4s. 6d.); *Brochure*; *Orientation Handbook*; *Report* on research activities of Univ.

## THE YEAR 1952

FIRST GRADUATION CEREMONY. The first graduation ceremony of the Univ. was held on March 15.

BENEFACTIONS. Commonwealth Scientific and Industrial Research Organ., grants for res., £A7319; Commonwealth Bank of Aust., grant from Rural Credits Developt. Fund, £A3500; Joint Coal Bd. grant towards equipment, Sch. of Mining Engin., £A5000; Nuffield Foundation Grant towards maintenance of Nuffield Res. Chair of Mech. Engin., £A3125.

NEW BUILDINGS. Brickwork of first permanent bldg. (basement and three floors) on Univ. site at Kensington has been completed and portion of roof sheeting laid. Seven light frame bldgs., providing floor space of 25,848 sq. ft., have been erected and are occupied by School of Chem. Engin. Work is progressing on the laying out of first section of Univ. grounds. The J. I. Carroll Res. Lab. in Sch. of Appl. Physics, Broadway, was opened on Feb. 4.

NEW DEPARTMENTS AND POSTS. Nuffield Res. Chair of Mech. Engin. and Chair of Appl. Physics occupied. Assoc. Profs. in Appl. Chem. (2) and Food Technol. apptd. Sr. Lectrs. apptd. in Appl. Chem., Appl. Maths., Appl. Phys., Arch., Civ. Engin., Mech. Engin., Metall. Lectrs. apptd. in Civ. Engin., Mech. Engin., Humanities.

SPECIAL COURSES. Three series of short postgrad. courses on topics related to Food Technol., Chem. Engin. and Civ. Engin. were given conjointly by representatives from industry and members of Univ. staff.

RETIREMENTS. G. A. Noellat (Appl. Chem.); V. S. Rawson (Appl. Chem.).

RESIGNATIONS. K. F. Alder (Metall.); O. P. Nicholson (Appl. Chem.); J. N. Phillips (Appl. Chem.).

HONORARY DEGREES. *D.Sc.*—Rt. Hon. Viscount Nuffield; Lt.-Col. Sir Charles Bickerton Blackburn, Chancellor of Univ. of Syd.; Prof. M. L. E. Oliphant, Dir. of Sch. of Phys. Scis., A.N.U.

COAT OF ARMS. Grant of Arms by the College of Heralds, London, was received at the Univ. in May. The description of Arms is: "Argent on a Cross Gules a Lion passant guardant between four Mullets of eight points Or a Chief Sable charged with an open Book proper thereon the word 'Scientia' in letters also Sable."

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 3355 | 413 |
| Women | 70 | 3 |
| Total | 3425 | 416 |

Postgraduate students, 48.

New admissions, 969.

Students from other countries, 26. (10 under the Colombo Plan; 16 from S.E. Asia.)

DEGREES AWARDED. *Applied Science*: B.Sc., 23; *Engineering*: B.E., 34. Total number of degrees awarded, 57.

[*Information compiled as at* 1/7/53.]

# UNIVERSITY OF QUEENSLAND*

Founded 1909

*Postal Address* : St. Lucia, Brisbane, Queensland, Australia.
*Telegrams* : University, Brisbane.
*Telephone* : Brisbane B 2500—B 2509.

CHANCELLOR—The Hon. WILLIAM FORGAN SMITH, LL.D.

DEPUTY CHANCELLOR—OTTO SADDLER HIRSCHFELD, M.Sc., M.B., B.S.

VICE-CHANCELLOR—J. D. STORY, I.S.O.

REGISTRAR—C. PAGE HANIFY, M.V.O., F.I.C.A.

## TEACHING STAFF

*Agriculture*

Teakle, L. J. H., B.Sc.Agr. W. Aust., M.Sc., Ph.D. Calif. Prof.
Perkins, F. A., B.Sc.Agr. Syd. (Econ. Entomol.) Chief Lectr.
Skerman, P. J., B.A., M.Sc. Sr. Lectr.
Campbell, Jean I., B.Ag.S. Jr. Lectr.
Horne, W. R., B.Sc.Agr. Jr. Lectr.
Waring, S. A., B.Sc.Agr. Syd. (Agronomy) Asst. Lectr.
Woodward, T. E., Ph.D., M.Sc. (Entomol.) Lectr.
Bryan, W. W. (Agric.) Pt.-time Lectr.
4 Special Lectrs.

*Architecture*

Cummings, R. P., B.Arch., F.R.A.I.A. Prof.
Lucas, F. B., F.R.I.B.A., F.R.A.I.A. Sr. Lectr.
Hitch, H. J. Lectr.
6 Pt.-time Lectrs., 2 Pt.-time Demrs.

*Biochemistry*

Hines, H. J. G., B.Sc. (Agr.) Lond. Assoc. Prof.

*Botany*

Herbert, D. A., D.Sc. Melb. Prof.
Langdon, R. F. N., M.Agr.Sc., Ph.D. Sr. Lectr.
Wilson, G. L., Ph.D. Oxon., B.Agr.Sc. Lectr.
Aberdeen, J. E. C., B.Agr.Sc. Lectr.
Cribb, A. B., M.Sc. Asst. Lectr.
2 Demrs.

*Chemistry*

Jones, T. G. H., D.Sc. Syd., F.C.S. Prof.
Edmiston, E. S., B.Sc., B.Sc.App. (Industrial) Assoc. Prof.
Lauder, I., D.Sc., Ph.D. Manc. Assoc. Prof.
O'Connor, E. A., M.Sc. Melb. Sr. Lectr.
Lahey, F. N., D.Sc. Res. Prof.
Jenkins, G. H., M.Sc.App. (Sugar Tech.) Sr. Lectr.
Plowman, R. A., Ph.D. Lond. (Inorg. C.) Sr. Lectr.
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.

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

Wilson, I. R., B.Sc. Asst. Lectr.
Radford, Joan T., B.Sc. Melb. Asst. Spectro-Chemist.
1 Temp. Lectr., 5 Demrs., 4 Res. Assts.

*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.
McKay, K. J., B.A. Melb. Jr. Lectr.
Dale, W. A., M.A. Calif. Asst. Lectr.
Pryor, A. D., B.A. Asst. Lectr.
10 Pt.-time Lectrs.

*Commerce*

Gifford, J. K., M.A. Glas. Prof.
Lane, W. R., B.Comm. Lectr.
Holmes, A. S., B.A. W.Aust. Lectr.
Reitsma, A. J., D.Econ. Rotterdam Asst. Lectr.
Stalley, D. J., B.Econ. Adel. Asst. Lectr.
Price, G., B.Com. (Econ.) Temp. Asst. Lectr.
1 Pt.-time Lectr., 4 Spec. Lectrs., 11 Demrs.

*Dentistry*, v. *infra*

*Education*

Schonell, F. J., M.A. Birm., Ph.D., D.Lit. Lond. Prof.
Henderson, N. K., B.A., M.Ed. Melb., Ph.D. Lond. Sr. Lectr.
Olsen, F. J., M.Ed. Melb., B.Sc. Lectr.
Richardson, J. A., M.A., Lectr. (Remedial Educn. Centre).
Couper, J. M., M.A., Ph.D. Aberd. Asst. Lectr.
Beresford, H. B., M.A., B.Ed. Camb. Asst. Lectr.
4 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 and Metallurgical).
Hinckley, R. T., M.E., B.Sc. (Electronics) Chief Lectr.

Senior Lecturers

Ross, C. N., M.Sc. Tas., B.M.E. Melb. (Civ. E.).
Munro, A. R., B.E. (Mech. E.).
Smoleniec, S., M.Sc. Warsaw, Ph.D., D.I.C. (Engin. Thermodyn.).
Berglin, C. L. W., B.E. (Chem.).
Stoney, A. J. M'C., B.E.E. Melb. (Elect. Tech.).
McKay, G. R., B.Eng., Ph.D. Liv. (Civil).
Pidduck, J., M.A. Camb. (Mech.).
Paterson, O. D., M.B.E., M.Sc., B.E. (Min.).

Lecturers

Waring, J., B.Sc.Tech. Manc. (Metallurgical).
Birkbeck, G. H. M., B.E. (Aeronautics).
James, F. W., M.Sc. (Surveying).

Assistant Lecturers

Brennan, B. F., B.Surv. (Surveying).
Hunt, P. (Civ. E.).
Mapp, W., B.E.
Clark, D. J. (Mech. and Elect. E.).
Sheridan, N. R.
Parnell, T. M., B.Eng., Ph.D.
33 Pt.-time Lectrs., 10 Pt.-time Grad. Demrs., 6 Demrs.

*English and Modern Langs.*

Russell, G. H., M.A., Ph.D. Prof.

Robinson, F. W., M.A. Syd., Ph.D. Jena Assoc. Prof.
Mahoney, J. C., M.A., B.Litt. Oxon. (French) Chief Lectr.
Thomson, A. K., M.A. Sr. Lectr.
Cochrane, G. R., M.A. Melb., L. ès L. (Phonetics).
Leopold, K., B.A. Syd. Lectr.
Denat, A., L. ès L. Phil. Toulouse Lectr.
Campbell-Brown, Kathleen, M.A. Asst. Lectr.
Hallister, E. N., B.A., Dip.Ed. Melb. Asst. Lectr.
Flint, E. H., B.A. Asst. Lectr.
Hadgraft, C. H., M.A., B.Ed. Asst. Lectr.
Bryan, Margaret, B.A. Jr. Lectr.
McWatters, K. G. Temp. Jr. Lectr.

*Geography*

Greenwood, R. H., M.A. Camb. Sr. Lectr.
Tweedie, A. D., M.A. N.Z. Asst. Lectr.

*Geology and Mineralogy*

Bryan, W. H., D.Sc. Prof.
Whitehouse, F. W., Ph.D. Camb., D.Sc. Assoc. Prof.

Lecturers

Hill, Dorothy, Ph.D. Camb., M.Sc., F.G.S.
Jones, O. A., D.Sc.
Robinson, E. V., B.A.
Gradwell, R. Asst. Lectr.
2 Demrs., 2 Res. Assts.

*History*

Greenwood, G., M.A. Syd., Ph.D. Lond. McCaughey Prof.
Neale, R. G., B.A., Dip.Ed. Melb. Sr. Lectr.
Davis, S. R., LL.B., Ph.D. Sr. Lectr.
Morrison, A. A., M.A. Lectr.
Joyce, R. B., B.A. Lectr.

Assistant Lecturers

Truman, T. C., B.A. Melb.
McNaughtan, I. D., B.A. Syd.
1 Temp. Lectr., 2 Res. Assts.

*Journalism A*

19 Special Lectrs.

*Journalism B*

8 Special Lectrs.

*Law*

Harrison, W. N. L., B.A., LL.M. Garrick Prof.
Anderson, H. R., M.A. Oxon., LL.B. W.Aust. Chief Lectr.
Sykes, E. I., B.A., LL.M. Sr. Lectr.
Ryan, K. W., B.A. Lectr.
7 Pt.-time Lectrs.

*Mathematics*

Simonds, E. F., M.A., B.Sc. Syd., Ph.D. Col. Prof.
McCarthy, J. P., M.A. Assoc. Prof.
Raybould, Ethel H., M.A. Sr. Lectr.
Finucan, H. M., M.A. Oxon. Sr. Lectr.
Evans, I. A., M.Sc. Lectr.
Powell, H. K., M.A., B.Sc. Asst. Lectr.
2 Pt.-time Lectrs.

*Mineralogy*, v. Geology, *supra*

*Modern Languages*, v. English and Mod. Langs., *supra*, Inst. of Mod. Langs., *infra*

*Music*

Brandon, H. E., F.T.C.L. Sr. Lectr. and Organizer.

*Philosophy and Psychology*

Kyle, W. M., M.A. (Philos.) Prof.
Naylor, G. F. K., M.A., M.Sc. Syd., Dip.Ed. (and Psychol.) Sr. Lectr.
Harwood, Elsie, M.A. (Psychol.) Lectr.
James, G., M.A. Lectr.
Thiele, H. W., B.A. (Psychol.) Asst. Lectr.

Hall, A. C. (Philos.) Temp. Asst. Lectr.
7 Pt.-time Lectrs., 1 Res. Asst.

*Physical Education*

Burge, I. C., B.Phys.Ed. Springfield, B.Com. Dir.
Simpson, K., Dip.Phys.Ed. Asst. Dir.
Willmott, R. Male Instr.
Park, Joan B., M.Sc. Mass., Dip. Phys.Ed. Female Instr.
5 Pt.-time Lectrs. and Demrs.

*Physics*

Webster, H. C., D.Sc. Tas., Ph.D. Camb., F.I.P., F.R.Met.S. Prof.
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.
Crouchley, J., B.Sc. W.Aust., M.Sc. Adel. Lectr.
McNicol, R. W. E., M.Sc. Camb. Lectr.
Thomas, J. A., B.Sc. Adel. Asst. Lectr.
Colville, J. S. Temp. Asst. Lectr.
1 Demr.

*Physiology*

Macfarlane, W. V., M.A., M.B., Ch.B. N.Z. Prof.
Morris, R. J. H., M.B., B.S. Lectr.
Trist, A. R., M.B., B.S. Lectr.

Assistant Lecturers

Jackson, R. B., M.Sc. Melb. (Biochem.).
Robinson, Kathleen W., M.Sc.
MacDonald, K., B.Sc. Syd.
Klemm, G. H., B.Sc.
Knapp, B. J., M.Sc. Pt.-time Lectr.
9 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.

*Veterinary Science*

Ewer, T. K., Ph.D. Camb., B.V.Sc. Syd. (Animal Husbandry) Prof.
Francis, J., B.Sc. Lond. (Preventive Med.) Prof.
Burns, R. H., B.V.Sc. Syd. Sr. Lectr.
McDowall, A., B.V.Sc. (Vet. Anat.) Sr. Lectr.
Sprent, J. F. A., Ph.D., B.Sc. (Vet. Parasitol.) Sr. Lectr.
May, N. D. S., B.Sc. (Vet. Anat.) Lectr.
Moodie, E. W., B.V.Sc., Ph.D. Lectr.
English, P. B., B.V.Sc. (Clin. Med.) Lectr.
Tucker, R., D.V.Sc. Warsaw, D.V.Med. Munich (Vet. Anat.) Asst. Lectr.

*Zoology*

Stephenson, W., B.Sc., Ph.D. Durh. Prof.
Bleakly, M. C., M.Sc. N.Z., D.Phil. Oxon. Sr. Lectr.
Mather, W. B., B.Sc. Lectr.
Endean, R., B.Sc. Syd. Asst. Lectr.
Hiscock, I. D., M.Sc. Adel., Ph.D. Melb. (Zool.) Asst. Lectr.
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.
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., 1 Demr., 9 Pt.-time Lectrs.

### Medicine

*Anatomy*

Wilkinson, H. J., B.A. Adel., M.D., Ch.M. Syd. Prof.
Hickey, M. F., M.A., M.B., B.S. Assoc. Prof.
Meyers, E. S., M.B. Syd., F.R.A.C.S. (and Oper. Surg.) Sr. Lectr.
Hayhow, W. R., M.B., B.S. Melb. Sr. Lectr.
Kenny, G., M.B., B.S. Lectr.
5 Temporary Lecturers.

*Bacteriology*, v. Pathology, *infra*

*Medical Psychology, Psychiatry and Mental Hygiene*

Bostock, J., M.B., B.S., D.P.M. Lond., F.R.A.C.P. Res. Prof.
2 Pt.-time Lectrs.

*Medicine*

Murphy, O. E. J., M.B., Ch.M. Syd., F.R.A.C.P. Actg. Half-time Prof.
McQueen, E. G., M.B., B.S. Syd. Chief Asst. to Prof.
Jackson, D. C., M.B., B.S., D.C.H. Half-time First Asst. in Pædiatrics.
6 Teaching Registrars, 9 Spec. Lectrs., 11 Clin. Lectrs., 20 Asst. Clin. Lectrs., 12 Tutors, 2 Pt.-time Demrs., 2 Chief Assts.

*Obstetrics and Gynæcology*

Shedden-Adam, G. W., M.B., B.S. Syd., F.R.C.S., F.R.C.O.G. Edin. Half-time Prof.
2 Teaching Registrars, 4 Specialist Lectrs., 5 Clin. Lectrs., 5 Asst. Clin. Lectrs., 2 Tutors, 1 Pt.-time Lectr.

*Pathology and Bacteriology*

Canny, A. J., B.Sc., M.B., B.S. Syd. Prof.
Skerman, V. B. D., B.Agr.Sc. (Bacteriol.) Chief Lectr.
Inglis, J. A., M.B., B.S. (Clin. Path.) Chief Lectr.
Vickers, T. H., M.B. Syd. (Path.) Sr. Lectr.
Quinn, R. L., M.B., B.S. (Path.) Clin. Sr. Lectr.
Back, K. J. C., B.Sc. Syd. (Bact.) Lectr.
J. G. Atherton, B.Sc. (Bact.) Asst. Lectr.
Halliday, W. J., B.Sc. Melb. (Bact.) Asst. Lectr.
3 Demrs. (Bact.), 1 Temp. Lectr., 1 Res. Asst.

*Physiotherapy*

Crawford, H., M.B., B.S. Melb., F.R.A.C.S. Lectr.-in-charge.
8 Spec. Lectrs., 3 Pt.-time Lectrs., 3 Demrs., 3 Pt.-time 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.
1 Spec. Lectr., 33 Occasl. Lectrs.

*Surgery*

Sutton, N. G., M.B., Ch.M. Syd., F.R.C.S.Ed., F.R.A.C.S. Half-time Prof.
Gallagher, M. J., M.B., B.S., M.Ch.Orth. (Orthopæd. S.) Asst. Lectr.
Mowat, J. K., M.B., B.S. Syd., M.S. Chief Asst. to Prof.
McSweeney, A., M.Ch.Orth. (Orthopæd. S.) Asst. Lectr.
12 Sp. Lectrs., 8 Clin. Lectrs., 27 Asst. Clin. Lectrs., 11 Tutors, 3 Teaching Registrars, 2 Demrs.

**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

Popple, Myra A., B.A. (Maths.).
Vallis, V. T., B.A. (Philos.).
Grimshaw, C., B.A., Dip.Ed. Syd. (Hist.).
Staveley, R. W., B.Ec. Syd. (Econ.).
Maidment, W. M., B.A. Syd. (Engl.).
O'Donnell, M. P., B.Sc. (Maths.).
Needham, Rev. G., M.A., T.D. Lond. (Educn.).
Stoodley, June, B.A. (Hist.).

Assistants

Ruddell, Caroline, B.A.
O'Sullivan, M. M.
White, Olive N., B.A.
8 Tutors.

**Institute of Modern Languages**

Part-time Lecturers

Cochrane, G. R., M.A. Melb. (French).
Leopold, K., B.A. Syd. (German).
Gatto, J. (Italian).
Hallister, E. N., B.A., Dip.Ed. (German and Dutch).
Fan, K. Y. (Chinese).
Josiffe, R. J. (Malay).
Zaver, I. S. (Russian).
Beresford, H. B., M.A., B.Ed. Camb. (Spanish).
Campbell-Brown, Kathleen, B.A. (French).
Innes, Rev. H. S. R. (Hebrew).
Mahdhar, T. U. (Malay).

## ADMINISTRATIVE AND OTHER STAFF

Librarian: H. Bryan, B.A. Manager of Univ. Press: F. A. Perkins B.Sc.Agr. Syd.

## RECOGNIZED RESIDENTIAL COLLEGES

EMMANUEL (Presb.), Wickham Tce., Brisbane. (*Telephone*: Brisbane B5653, B4560.) Principal—Rev. M. Henderson, M.A. Camb. 80 students.

ST. JOHN'S (C. of E.), 196 River Tce., Kangaroo Point, Brisbane. (*Telephone*: Brisbane X2593, J3255.) Warden—Rev. A. C. Stevenson, M.A., Th.L. 50 students.

KING'S (Methodist), River Tce., Kangaroo Pt., Brisbane. (*Telephone*: Brisbane J2853, X3185, X3555.) Master—Rev. H. H. Trigge, M.A., B.D. Melb. 110 students.

ST. LEO'S (R.C.), 269 Wickham Tce., Brisbane. (*Telephone*: Brisbane B9305, B4883.) Rector—Rev. Fr. G. Power. 65 students.

WOMEN'S (undenominational), Shafston Av., Kangaroo Pt., Brisbane. (*Telephone*: Brisbane J1749, J4218.) Principal—Margaret Piddington, B.A. Syd. 38 students.

DUCHESNE (R.C. women), 52 Merthyr Rd., New Farm, Brisbane. (*Telephone*: Brisbane LW2418, LW2704.) Principal—Joan Percy-Dove, M.A., Dip.Ed. Syd. 35 students.

UNIV. OF QUEENSLAND UNION COLLEGE, 193 Wickham Tce., Brisbane. (*Telephone*: Brisbane B4992, B7464.) Hon. Warden—Assoc. Prof. M. F. Hickey, M.A., M.B., B.S. 54 students.

CROMWELL (Congregational)—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 £A5500. It has since been progressively increased and was £A546,920 in 1952, of which £A158,630 was repaid to the State Govt. by the Federal Govt.

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, Law 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. has now been completed; and work on the Phys. Bldg. is progressing.

LIBRARY, 111,757 vols. LABORATORIES: Anat., Agric., Biophysics, Bot., Chem., Applied Chem., Educn., Engin. (Mech., Elect., Met., Fuels), Geol., Metall. and Assaying, Pathol. and Bacteriol., Physics, Physiol., Dent., Vet. Sci. and Zool.

FACULTIES AND DEANS. *Agric.*, Prof. L. J. H. Teakle; *Archit.*, Prof. R. P. Cummings; *Arts*, Prof. G. Greenwood; *Commerce*, Prof. J. K. Gifford; *Dent.*, Prof. S. F. Lumb; *Educn.*, Prof. F. J. Schonell; *Engin.*, Prof. M. Shaw; *Law*, Prof. W. N. L. Harrison; *Med.*, Actg. Prof. E. S. Meyers; *Science*, Prof. D. A. Herbert; *Vet. Science*, Prof. T. K. Ewer.

ADMISSION. *See* Appendix I. Non-matriculated students: any person not less than 16 yrs. of age, who, in the opinion of the Dean of Fac. concerned, is competent to undertake the work, may be permitted to enrol for the course in any subject.

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov.-Dec.: Junior and Senior. For matricn., the corresponding public examns. of the other

Australian Univs. are recognized subject for subject as equivalent to these. *See also* Appendix I.

DEGREE COURSES. Day students: 2 yrs.—B.Ed. postgraduate (Pass and Hons.); 3 yrs.—B.A., B.Com., B.Sc., B.Surv.; 4 yrs.—B.A. (Hons.), B.Com. (Hons.), B.Sc. (Hons.), B.Sc. in For., B.Agr.Sc. (Pass and Hons.), B.Sc. (App.) in Indust. Chem., B.Sc. (App.) in Med. Science, B.Sc. (App.) in Geol., B.Sc. (App.) in Physiotherapy, B.D.Sc. (Pass and Hons.), B.E. (Pass and Hons.) in Civil, Mech., Elect., Chem., Mining Engin.; 5 yrs.—B.Vet.Sc. (Pass and Hons.), B.Sc. (App.) (Hons.), LL.B. (Pass and Hons.), B.Agr.Sc. (Hons.), B.Sc. in For. (Hons.); 6 yrs.—M.B.; B.S. (Pass and Hons.), B.Arch. (3 yrs. day, 3 yrs. evening), B.A., LL.B.; 7 yrs.—B.Arch. (Hons.).

HIGHER DEGREES. Open to Bachelors of this or other approved Univs. of 2 yrs.' standing: M.A., M.Com., M.Sc., M.D.Sc., M.App.Sc., LL.M., M.Arch., M.Ed., M.S.; of 3 yrs.' standing: M.Sc. in For., M.E., M.Agr.Sc., M.D.; of 4 yrs.' standing: D.D.Sc.; of 5 yrs.' standing: D.Agr.Sc., D.Sc., D.V.Sc., D.Sc. in For.; of 7 yrs.' standing: D.Litt., D.Econ., D.E. Open to Masters of 3 yrs.' standing: D.E.; of 5 yrs.' standing: LL.D. Standing required before admission to the Ph.D. course varies according to the Fac. in which prior degree taken. These higher degrees are obtained by examn. and/or submission of a thesis, but in some cases certain specified outside experience is required in addition.

DIPLOMAS. 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.; Sugar Technol., 1 yr. postgraduate.

CERTIFICATES. Educn. (on subject basis, approx. 3 yrs.); Accountancy, 3 yrs. (may be followed in any approved Coll. or Instn.); Teaching of Handicapped Children, 1 yr. postgraduate.

EVENING LECTURES AND EXTERNAL STUDENTS. In the courses which are available to them, evening and external students are permitted to spread their studies over a longer period than that prescribed for day students, and pay a proportionate amount of fees each year. By completing 5 yrs.' evening work at the Univ. 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. 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. Registration, £A2:2s.; admission, *ad eundem statum*, £A2:2s.; Lecture Fees for single subject per term, £A4:4s.; Composition Fees for complete Degree Course in the Facs. of Arts, Comm. and Education, 24 to 36 gs. p.a.; Law, approx. £A45 p.a.; Science (Pure), Science (Applied), Engineering and Veterinary Science, 40 to 42 gs. p.a.; Architecture, 42 gs. 1st 3 yrs., 24 gs. 4th and 5th yrs., 20 gs. 6th yr.; Dentistry, £A68 p.a.; Medicine, £A70 p.a.; General Purposes Fee, 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. I.C.I.A.N.Z. Res. Fellowship for 2 yrs., £A600 p.a.; Monsanto Res. Scholp. tenable for maximum of 2 yrs., £A450-£A600 p.a.

RESIDENCE. Undergraduates are required to reside with their parents or approved friends or a tutor or in a recognized Residential Coll. or other instn. approved by the Senate. Fees in any of the Colls., including residence, commons and tuition, amount to approx. £A110 per year.

MUSIC EXAMINATIONS. Under a joint scheme, controlled by the Australian Music Examns. Board, which is representative of the Univs. of Queensland, Melbourne, Tasmania, Adelaide and Western Australia, and the State Conservatorium of Music of New South Wales, examns. in Music and Art of Speech are held throughout the Commonwealth twice a year, in May and September.

APPOINTMENTS BOARD. The Bd. offers assistance to graduates seeking appt. after graduation and to those who desire advancement in their particular field. Information concerning vacancies in Australia and overseas is received regularly and distributed to those graduates enrolled with the Board who might be interested. The Bd. also assists undergraduates to secure temp. employment during vacations.

EXTRA-MURAL WORK. An Institute of Modern Languages has been established to provide for the study, under expert guidance, of foreign languages up to the Senior Public Examination, *i.e.* matriculation, standard. Classes were held during 1952 in Chinese, French, German, Italian, Malay, Russian, Spanish.

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., Econ., Educn., Engin., Geog., Geol., History, Medical Psychol., Mod. Langs., 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.; Faculty *Brochures*; *The University of Queensland—Its Development and Expansion*; University *Gazette*; University *Law Journal*; *Macrossan Lectures*; *The University of Queensland: 1910–1922* (Brisbane, 1923); *An Account of the University of Queensland during its first twenty-five years: 1910–1935* (1935).

UNIVERSITY OF QUEENSLAND PRESS. Established in 1948. Activities of the press: (*a*) publicn. of text-books, lab. manuals and other works of an academic nature approved by the Publicns. Cttee.; and (*b*) maintenance of a Bookshop for the sale of text-books, stationery, apparatus and other student requisites.

## THE YEAR 1952

SUBSTANTIAL BENEFACTION. Late W. S. Ashburn bequeathed £A7690 for med. res.

NEW BUILDINGS. Buildings at the Animal Husbandry Farm site completed.

NEW DEPARTMENTS AND POSTS. Prof. of Prev. Med. (Vet. Sc.); Sr. Lectr. in Vet. Pathol.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. G. S. Browne, Melb.: The John Thomson Memorial Lectures.

HONORARY DEGREE CONFERRED. *M.Sc. in For.*—Victor Grenning.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1813 | 1358 |
| Women | 364 | 315 |
| Total | 2177 | 1673 |

External students, 1172 (1013 men and 159 women).

Postgraduate students, 129.

New admissions, 892 (including both matriculated and non-matriculated).

Students from other countries, 48. (Countries from which largest numbers came: Ceylon, 6; India, 8; Federation of Malaya, 16; Indonesia, 3; Thailand, 3; Singapore, 5.)

DEGREES. B.A., 77; M.A., 6; LL.B., 19; B.Com., 35; M.Ed., 1; B.Ed., 1; Ph.D., 2; M.Sc., 3; M.App.Sc. (Indust. Chem.), 2; B.Sc., 55; B.Sc. (Forestry), 5; B.App.Sc. (Indus. Chem.), 4; B.App.Sc. (Med. Sc.), 3; M.S., 2; M.B., B.S., 77; M.E., 1; B.E., 54; B.S., 3; B.Agr.Sc., 12; B.V.Sc., 10; M.D.Sc., 3; B.D.Sc., 55.

DIPLOMAS. Educn., 26; Ed. Psych., 2; Journalism, 2; Comm., 29; Phys. Educn., 10; Physiotherapy, 19; Mech. and Electr. Engin., 35; Music, 3; Archit., 8.

CERTIFICATES. Educn., 47; Accountancy, 49.

[*Information compiled as at May* 1953 ;
*Staff list revised on* 31/8/53.]

# UNIVERSITY OF SYDNEY*

Founded 1850

*Postal Address* : Sydney, New South Wales, Australia.
*Telephone* : MW0522.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR — Sir CHARLES BICKERTON BLACKBURN, O.B.E., B.A. Adel., D.Sc. N.S.W.U.T., M.D., Ch.M , F.R.C.P. Lond. and Ed., F.R.A.C.P.

DEPUTY-CHANCELLOR—C. G. McDONALD, M.B., Ch.M., F.R.A.C.P.

VICE-CHANCELLOR—Emeritus Professor S. H. ROBERTS, M.A., Litt.D. Melb., LL.D. Brist., D.Sc. (Econ.) Lond.

REGISTRAR—W. H. MAZE, M.Sc.

LIBRARIAN—E. V. STEEL, B.A.

## TEACHING STAFF

*Accountancy*, v. Econ.

*Agriculture*, v. also Vet. Sci.

McMillan, J. R. A., M.S. Corn., D.Sc.Agr. Dean and Prof.

Readers

Campbell, K. O., M.A., Ph.D. Chic., M.P.A. Harv., B.Sc. Agr. (Agric. Econ.).

Breyer, B. Z., Ph.D. Bonn, M.D. Padua (Agric. Chem.).

Senior Lecturers

Vincent, J. M., B.Sc.Agr., Dip. Bact. Lond. (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.).

Lecturers

Anderson, R. H., B.Sc.Agr. (Forestry).

Bowman, F. T., Ph.D. Mich., M.Sc. Calif., B.Sc.Agr. (Fruit Culture).

Baker, E. P., Ph.D. Calif., B.Sc. Agr. (Plant Pathol.).

Sullivan, G. D., B.Sc. Wales (Agric. Bot.).

Reid, R. L., Ph.D. Camb., B.Sc. Agr. (Animal Nutrition).

*Anatomy*

Burkitt, A. N. St. G. H., M.B., B.Sc. Challis Prof.

Stump, C. W., M.D., Ch.B., D.Sc. Edin. (Histol. and Embryol.) Bosch Prof.

Macintosh, N. W. G., M.B., B.S., Dip. Anth. Reader.

Senior Lecturers

Garde, Mary L., B.Sc. (Histol.).

Gabriel, A. C., D.D.Sc. (Dental Anat.).

Plomley, N. J. B., M.Sc. Tas., B.Sc.

Cleland, K. W., M.B., B.S. (Cytol.).

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

Lecturers
O'Brien, B. R. A., B.Sc. (Experimental Embryol.).
Reid, B. L., M.B., B.S., B.V.Sc. (Histol. and Embryol.).

*Anthropology*
Elkin, A. P., Ph.D. Lond., M.A. Prof.

Readers
Hogbin, H. I. P., Ph.D. Lond., M.A. (on leave).
Capell, A., Ph.D. Lond., M.A. (Oceanic Langs.).

*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., B.Arch. Manc., F.R.I.B.A., F.R.A.I.A. Dean and Prof.
Cowan, H. J., Ph.D. Sheff., M.Sc. Manc. (Arch. Sci.) Prof.
Winston, D., B.Arch. Liv., M.A. Harv., F.R.I.B.A. (Town and Country Planning) Prof.

Senior Lecturers
Harrison, P. F., Dip.T.C.P. (Town and Country Planning).
Baldwinson, A. N., F.R.A.I.A.

Lecturers
Thompson, E. L., B.Arch., F.R.A.I.A. (Arch. Constn.).
Rees, L. (Hist. Sculpture and Painting).
Meyer, A. R., B.Arch.
Molnar, G., Dip.Arch.Eng. Budapest.
Trevor-Jones, E., B.Arch.

*Biochemistry*
Still, J. L., Ph.D. Camb., B.Sc. McCaughey Prof.

Senior Lecturers
Humphrey, G. F., Ph.D., M.Sc. (on leave).
Millerd, Alison A., Ph.D., M.Sc.

Lecturers
Eden, Eva, M.A., Ph.D. Camb.
Mattocks, K. M., M.B., B.S.
Hensley, W. J., M.B., B.S.
Pollak, J. K., B.Sc.McG.

*Botany*, v. also Agric.
..... Prof.
McLuckie, J., M.A. Glas., D.Sc. Reader.

Senior Lecturers
Mercer, F. V., Ph.D. Camb., B.Sc. Adel.
Beadle, N. C. W., D.Sc.
Smith-White, S., B.Sc.Agr.
Hotchkiss, A., Ph.D., M.S. Corn. Lectr.

*Chemistry*,
Le Fèvre, R. J. W., D.Sc., Ph.D. Lond., F.R.I.C. Prof. and Hd. of Sch. of Chem.
Birch, A. J., D.Phil. Oxon., M.Sc. (Org. C.) Prof.
Craig, D. P., Ph.D. Lond., M.Sc. (Phys. C.) Prof.

Readers
Lions, F., Ph.D. Manc., B.Sc.
Iredale, T., D.Sc. Lond., B.Sc., F.R.I.C. (on leave).
Mellor, D. P., D.Sc. Tas.

Senior Lecturers
Hughes, G. K., B.Sc. Adel.
Ritchie, E., M.Sc.
Dwyer, F. P. J., D.Sc.
Broe, J. J., M.Sc., Dip.Ed. Q'ld.
Cymerman-Craig, J., Ph.D., B.Sc. D.I.C., F.R.I.C.

Lecturers
Lyons, L. E., Ph.D. Lond., B.A., M.Sc.
Gibson, N. A., M.Sc., Ph.D.
Ross, I. G., Ph.D. Lond., M.Sc. (Phys. C.).

*Divinity*, v. *infra*

*Economics*
Butlin, S. J., M.A. Camb., B.Ec. Dean and Prof.

Spann, R. N., M.A. Oxon. (Govt. and Pub. Admin.) Prof.

Senior Lecturers

Black, H. D., M.Ec. (Econ.).
Rutherford, R. S. G., M.A. Oxon. (Econ. Stats.).
Kewley, T. H., M.A., Dip.Soc. Stud., Dip.Pub.Admin. (Govt. and Pub. Admin.).
Renwick, C. C., M.Ec. (Econ.).
Gates, R. C., M.A. Oxon., B.Com. Tas.
Laffer, K. M., B.A. W.Aust. (Econ.) (on leave).
Simpson-Lee, G. A. J., B.Ec. (Econ.).
Chambers, R. J., B.Ec. (Accty.).

Lecturers

Bridge, A. B. K. I., LL.B. (Com. and Ind. Law).
Edwards, H. R., B.A. (Econ. Stats.).
Ginswick, J., B.Sc. (Econ.) Lond. (Econ. Hist.).
Wilson, J. R., B.Ec. (Econ.) (on leave).
Drane, N. T., B.Ec. (Econ.) (on leave).
Wheelwright, E. L., M.A. St. And. (Econ.).
Stephens, N. F., B.Ec. (Accty.).
Buckley, K. D., B.A. Lond. (Econ. Hist.).
Singer, K., Dr.rer.pol. Stras. (Econ.) Actg. Lectr.
Mayer, H., B.A. Melb. (Govt.).
Birch, A., M.A. Manc. (Econ. Hist.).

*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*

Mitchell, A. G., Ph.D. Lond., M.A. (Early Engl. Lit. and Lang.) McCaughey Prof.
Milgate, W., M.A. (Engl. Lit.) Challis Prof.
Howarth, R. G., B.Litt. Oxon., B.A., F.R.S.L. Reader.
Oliver, H. J., M.A. Sr. Lectr.
..... Sr. Lectr.

Lecturers

Herring, Thelma G., B.A. Oxon., M.A.
Wilkes, G. A., M.A., Dip.Ed. (on leave).

*Forestry*, v. Agric.

*French*

Henning, I., D. de l'U. Paris, B.A. McCaughey Prof.
Jackson, R. F., B.A. (on leave) Sr. Lectr.
Tallon, G.-M., L. ès L., Ag. des L. Paris Lectr.

*Geography*

Holmes, J. M., B.Sc., Ph.D. Glas. McCaughey Prof.
Andrews, J., Ph.D. Camb., B.A. Sr. Lectr.

Lecturers

Mackenzie, W. D., B.Sc. (on leave).
Devery, P. J., B.Sc., Dip.T.C.P. (Phys. G.)

*Geology*

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.

Senior Lecturers

Dulhunty, J. A., D.Sc.
Rutledge, H., Ph.D. Edin., B.Sc. Durh.
Rickwood, F. K., B.Sc.

Lecturers

Quodling, Florrie M., B.Sc.

Coleman, P. J., B.Sc. W.Aust. (on leave).

*German and Comparative Lit.*

Farrell, R. B., Dr.phil. Berl., M.A.
Dean, Fac. of Arts and McCaughey Prof.

Crossley, R. G., Dr.phil. Freiburg, B.A. W.Aust. Sr. Lectr.

*Greek*

..... Prof.

Shipp, G. P., M.A. Camb., B.A. (Comp. Philol.) Reader.

Senior Lecturers

Treweek, A. P., Ph.D. Lond., B.A.

Quincey, J. H., M.A. Oxon.

*Histology and Embryol.*, v. Anat.

*History*

Ward, J. M., M.A., LL.B. Challis Prof.

Senior Lecturers

Jacobs, Marjorie G., M.A.

Bramsted, E., Ph.D. Lond., Dr. phil. Berl.

Shaw, A. G. L., M.A. Oxon., B.A. Melb.

Evans, D. G., B.A. Wales and Lond. (Anc. World).

Lecturers

MacCallum, D. M., B.A.

Mansfield, B. E., M.A.

*Italian*

Shaw, R. A., M.A., Dip.Ed. Melb. Sr. Lectr.-in-charge.

McCormick, C. A., B.A. Camb. Lectr.

De Francesco, G. A., dott. in lettere Padua Lectr.

*Latin*

Dunston, A. J., B.A. R'dg., M.A. Camb. Prof.

Shipp, G. P., M.A. Camb., B.A. (Comp. Philol.) Reader.

Senior Lecturers

Powe, A. B., M.A. Q'ld.

Robinson, A. H., M.A.

Nicholls, J. J., M.A. Camb., B.A. Lectr.

*Law*, v. *infra*

*Mathematics*

Room, T. G., M.A. Camb., F.R.S. (Pure M.)
Dean of Fac. of Sci. and Prof.

Bullen, K. E., Sc.D., Ph.D. Camb., M.A. N.Z. and Melb., B.Sc. N.Z., F.R.S., F.R.A.S. (App. M.) (on leave) Prof.

Barnes, E. S., B.A., Ph.D. Camb., B.A. (Pure M.) Reader.

Senior Lecturers

Smith-White, W. B., M.A. Camb., B.Sc. (Pure M.).

Chong, F., M.A. Camb., Ph.D. Iowa State, M.Sc. (Pure M.).

Westfold, K. C., D.Phil. Oxon., M.A., B.Sc. Melb. (Appl. M.).

Mulhall, H., B.Sc. (Math. Stats.).

Smith, R. A., B.A. Camb., B.Sc. (Pure M.) Lectr.

*Medicine*, v. *infra*

*Mining*, v. Engineering

*Music*

Peart, D. R., M.A., B.Mus. Oxon. (on leave) Prof.

Platt, P., B.A., B.Mus., B.Litt. Oxon. Lectr.

*Pharmacology*

Thorp, 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., Dip. Pharm. Lectr.

*Philosophy*

Anderson, J., M.A. Glas. Challis Prof.

Lecturers
Walker, Alice R., B.A.
Rose, T. A., B.A.
Baker, A. J., B.Phil. Oxon., B.A.

*Philosophy, Moral and Political*
Stout, A. K., M.A. Oxon. Prof.
Mackie, J. L., M.A. Oxon., B.A. Sr. Lectr.

*Physics*
Messel, H., Ph.D. N.U.I., B.A., B.Sc. Qu. Prof. and Hd. of Sch.
Bailey, V. A., M.A., D.Phil. Oxon., F.I.P. Res. Prof.
Love, W. H., Ph.D. Camb., B.Sc. Dir. First and Second Yr. Courses.

Readers
Makinson, R. E. B., Ph.D. Camb., B.Sc.
George, E. P., B.Sc., Ph.D. Lond., F.I.P.
Blatt, J. N., Ph.D. Corn. and Prin., B.A. Cincinatti, F.A.P.S.

Senior Lecturers
Fraser, M., M.A., D.Phil. Oxon.
Builder, G., Ph.D. Lond., B.Sc. W.Aust.

Lecturers
Guest, P. G., M.Sc., Ph.D.
Bannon, J. D., B.Sc. N.U.I., D.Sc., F.I.P.
Herz, A. J., B.Sc., Ph.D. Lond.
Ma, S. T., Ph.D. Camb., B.Sc. Peking.

*Physiology*
Cotton, F. S., D.Sc. Prof.
Lawrence, W. J., M.Sc. Sr. Lectr.
Bishop, P. O., M.B., B.S. Sr. Lectr.
Carlile, F., B.Sc. Lectr.

*Psychology*
O'Neil, W. M., M.A., Dip.Ed. McCaughey Prof.
Hammer, A. G., M.A. Sr. Lectr.

Lecturers
Champion, R. A., B.A. (on leave).
Radcliffe, J. A., B.A.
McElroy, W. A., 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., Sr. Lectr. (Soc. Case Work).

Lecturers
Battle, Betty, B.S. Col., Dip. Phys.Ed. Melb. (Soc. Group Work).
O'Neil, W. M., M.A., Dip.Ed. (Psychol.).
Radcliffe, J. A., B.A. (Psychol.).
Ford, E., O.B.E., M.D., B.S. Melb., D.P.H. Lond., D.T.M., F.R.San.I., F.R.A.C.P. (Biol. and Soc. Hyg.).
Forbes, B. R. V., M.B., Ch.M. (Biol. and Soc. Hyg.).
Murray, R. E., B.Sc., M.B., D.P.H., D.T.M. (Biol. and Soc. Hyg.).
Sebire, Irene B., M.B., B.S. Melb., D.P. (Mental Health).
Davies, Mrs. 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. (Stats.).
Hammer, A. G., M.A. (Mental Health).
Kewley, T. H., M.A. (Soc. Hist. and Pub. Admin.).
Jelbart, J. M., B.A. (Legal Aspects of Soc. Work).

*Veterinary Science*
Carne, H. R., D.V.Sc. (V. Pathol. and Bacteriol.) Dean, Fac. of Vet. Sci. and Hughes Prof. (on leave).

Gunn, R. M. C., B.Sc. Edin., D.V.Sc., B.Sc.Agr. Prof.
Emmens, C. W., D.Sc., Ph.D. Lond. (V. Physiol.) Prof.

Senior Lecturers

Webb, R. M., B.V.Sc. (V. Anat.).
Geddes, H. J., M.Sc.Agr. N.Z. (Animal Husbandry) Garland Sr. Lectr.
Bain, R. V. S., B.V.Sc. (V. Path. and Bact.).
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. (Poultry Diseases).
Belschner, H. G., D.V.Sc. (Sheep Diseases).
Golding, N. K., B.V.Sc. (V. Jurisprud.).
Biggers, J. D., Ph.D., B.Sc., B.Sc. (Vet. Sci.) Lond. (V. Physiol.).
Larsen, L. H., B.V.Sc. (V. Surg. and Obstet.) (on leave).
Osborne, Virginia E., B.V.Sc. (V. Anat.).
Whittem, J. H., B.V.Sc. (V. Pathol. and Bacteriol.).
Finlay, G. F., Ph.D. Camb., M.S. Wis., B.V.Sc. (Genetics) Actg. Lectr.
Sapsford, C. S., B.V.Sc. (V. Anat.).
White, I. G., B.Sc. (V. Physiol.).

*Zoology*

Murray, P. D. F., M.A. Camb., B.Sc. Oxon., D.Sc. Challis Prof.

Readers

Briggs, E. A., D.Sc.
Woodhill, A. R., D.Sc.Agr. (Entomol.) McCaughey Reader.

Senior Lecturers

Colefax, A. N., B.Sc.
Birch, L. C., D.Sc. Adel., B.Agr. Sc. Melb. (on leave).
Stephenson, N. G., Ph.D. Lond., M.Sc. N.Z.
Rendel, J. M., B.Sc., Ph.D. Lond. Hon. Sr. Lectr.
Salter, K. E. W., B.Sc. (Entomol.) Lectr.
Fraser, A., Ph.D. Edin., M.Sc. N.Z. Hon. 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., M.B., Ch.M. Camb., D.T.M. & H., D.P.H. Camb. Lectr.

*D. Jurisprudence*

Ash, W. P., B.A., LL.B. Lectr.

*D. Materia Medica and Therapeutics*

Crane, L. G., D.D.Sc. Lectr.

*D. Pathology*

Cameron, D. A., M.D.S. Sr. Lectr.

*D. Surgery*

Flynn, M. R., B.A., M.D., Ch.M., B.Sc., F.R.A.C.S. 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.

Lecturers

Jolly, M., B.D.S.
Mumford, G., B.D.S.

*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. Northwestern, M.D.S.
Mackinnon, K. P., M.D.S.
Martin, N. D., M.D.S.

Lecturers

Wilson, J. H., D.D.Sc. (also Partial Denture Construction).
Allcock, B. H., B.D.S.

## Divinity

*Ecclesiastical History*

Arnott, Rev. F. R., M.A. Oxon., Th.D. A.C.T. Hd. of Dept.

*New Testament Language and Literature*

Brown, Rev. J. H., M.A., B.D., Ph.D. Glas. Hd. of Dept.

*Old Testament Language and Literature*

MacLaurin, E. C. B., M.A. Camb., B.D. Hd. of Dept.

*Philosophical and Historical Theology*

Hayward, Rev. S. R. B., M.A. Camb. Hd. of Dept.

## Engineering

*Aeronautics*

Stephens, A. V., M.A. Camb., F.R.Ae.S.
Lawrence Hargrave Prof. and Dean.

Senior Lecturers

Wittrick, W. H., M.A. Camb., Ph.D.
Meyer, R. E., Dr.sc.techn. Swiss Federal Inst. of Technol.

*Chemical E.*

Hunter, T. G., D.Sc., Ph.D. Birm. Prof.

Lecturers

Parker, H. H. S., B.Sc.
Ellis, J. N., B.E.
Fowler, R. T., Ph.D. Lond., B.Sc. Wales.

*Civil E.*

Roderick, J. W., M.A. Camb., M.Sc., Ph.D. Brist. Challis Prof.
Vogan, H. J., B.E. Reader.

Senior Lecturers

Aston, R. L., M.Sc., Ph.D. Camb., B.Sc., B.E. (Surveying, etc.).
Gray, C. A. M., B.Sc., M.E.
Potter, O. S., B.Sc., B.E.
Davis, E. H., B.Sc.Eng. Lond.

Lecturers

..... (Practice of Irrigation).
Rossback, F. B., B.E. (Water Supply and Sewerage).
Hawkins, C. A., B.E. (Road E.).
Diskin, M. H., B.E.

*Electrical E.*

Myers, D. M., B.Sc., D.Sc. Eng., F.I.P. Russell Prof.

Senior Lecturers

Doe, A. G., B.Sc., B.E.
Aitchison, R. E., M.Sc. (Communication E.).
Robinson, R. B., B.Sc., B.E. (on leave).
Tasny, L., Ing.Dr.Tech. Brünn.

Lecturers

Murray, C. T., B.Sc. (Electron.).
Messerle, H. K., M.Eng.Sc. Melb.

Honorary Lecturer

Munro, G. H., D.Sc. N.Z., F.I.P.

*Mechanical E.*

McDonald, G. G., B.Sc., Ph.D. Glas. Russell Prof.

Gibson, W. H. H., B.Sc., M.E. Reader.

Senior Lecturers

Hart, K. R. M., B.Sc., M.E.

Vonwiller, G. B., B.Sc., B.E. (E. Des. and Draw.).

Lecturers

Peterson, V. R., B.A., B.Sc., B.E., B.Ec.

Boomsma, M., Ing. Amst. (Mech. E. Des.).

Bayley, H. G., B.E.

Sherwood, A. A., B.Sc. (Eng.) Lond.

*Mining E.*

..... (Coal M.) Sr. Lectr.

..... Russell Lectr.

**Law**

Shatwell, K. O., B.A., B.C.L. Oxon. Challis Prof. and Dean.

*Bankruptcy*

Manning, J. K., Q.C. Challis Lectr.

*Company Law*

Cross, R. F., LL.B. Actg. Lectr.

*Constitutional Law*

Lecturers

Currey, C. H., M.A., LL.D. (Const. Law I).

Mitchell, R. E., LL.B. (Const. Law II) Actg. Lectr.

*Contracts*

Evans, J. D., B.A., LL.B. Challis Lectr.

*Conveyancing*

Watts, P. R., B.A., LL.B. Challis Reader.

*Criminal Law*

Treatt, V. H., M.M., Q.C., M.A., B.C.L. Oxon., B.A. Challis Lectr.

*Equity Law*

Jacobs, K. S., B.A., LL.B. Actg. 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.

*Introductory Jurisprudence*

Thomson, D. C., B.A., LL.B. W.Aust. Sr. Lectr.

*Law*

Benjafield, D. G., D.Phil. Oxon., LL.B. Sr. Lectr.

*Legal Ethics*

Teece, R. C., Q.C., M.A., LL.B. Perry Lectr.

*Legal Interpretation*

Monahan, C. D., LL.B. Actg. Challis Lectr.

*Lunacy Law*

Barraclough, F. E., M.A., LL.B. Lectr.

*Mercantile Law*

Donovan, G. P., B.A., LL.B. Challis Lectr.

*Pleading*

Rath, A. F., B.A., LL.B. Lectr.

*Procedure*

Bridge, A. B. K. I., LL.B. Lectr.

*Property and 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. Actg. Lectr.

*Torts, Private International Law and Evidence*
Morison, W. L., D.Phil. Oxon., B.A., LL.B. Reader.

**Medicine**

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

*Anæsthetics*
Hotten, W. I. T., M.B., Ch.M., D.A., F.R.A.C.P. Lectr. and Tutor.

Tutors
Marshall, S. V., M.B., Ch.M.
Daly, H. J., M.B., Ch.M.
Jobson, P. L., M.B., B.S., D.A.
McCulloch, J. F., M.B., Ch.M., D.A.
Paton, C. N., M.B., Ch.M., D.A.
Radcliff, J. R., M.B., B.S.

*Bacteriology*
de Burgh, P. M., M.B., B.S. Bosch Prof.
Moss, F. J., M.B., B.S. Melb. Sr. Lectr.

*Child Health*
Dods, L. F., M.V.O., M.D., Ch.M., D.C.H. Lond., F.R.A.C.P. Prof.
Clements, F. W. A., M.D., B.S., D.T.M., D.P.H. Lectr.

*Diseases of Ear, Nose, Throat*
Halliday, G. C., M.B., Ch.M., F.R.C.S. Lectr.

*Diseases of the Skin*
Belisario, J. C., C.B.E., M.D., Ch.M., D.D.M. Lectr.

*Gynæcology*
Stening, G. G. L., M.B., B.S., F.R.C.S., F.R.C.O.G., F.R.A.C.S. Lectr.

*Gynæcology, Clinical*

Lecturers
Chenhall, F. N., M.B., B.S., F.R.C.S., F.R.A.C.S.
Stening, M. J. L., M.D., B.S., F.R.C.S., F.R.A.C.S.
Porter, H. K., M.B., Ch.M.

Tutors
Fraser, M. B., M.B., M.S.
McIlrath, Muriel B., M.B., B.S., F.R.C.S.
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., L.M. Dub., F.R.C.S.
Loxton, J. C., M.B., B.S., F.R.C.S.
Moon, A. A., M.B.E., M.B., Ch.M., F.R.C.S.
Kennedy, M. M., M.B., B.S., F.R.C.S., F.A.C.S.
Duggan, A. R. H., M.B., Ch.M., F.R.A.C.S.

*Infectious Diseases*
Symington, N. J., M.B., Ch.M. Lectr.

*Medical Jurispr. and Ethics*

Lecturers
Percy, C. E., M.B., Ch.M.
Hunter, J. G., M.B., Ch.M., B.Sc. (Med. Eth.).

*Medicine*
Lambie, C. G., M.C., M.D., Ch.B. Edin., F.R.C.P. Bosch Prof.

Lecturers
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
Susman, E. L., M.B., Ch.M., F.R.A.C.P.

Maddox, J. K., M.D., Ch.M., F.R.A.C.P.
Stobo, A. J. H., M.B., Ch.M., F.R.A.C.P.
Stokes, E. H., M.D., Ch.M., F.R.A.C.P.
Dods, L. F., M.V.O., M.D., Ch.M., D.C.H. Lond., F.R.A.C.P.
Jeremy, R., M.B., Ch.M., F.R.A.C.P.
Brodziak, I. A., M.B., B.S.
Greenaway, T. M., M.B., Ch.M., F.R.C.P., F.R.A.C.P.

Medical Tutors

Harris, R. L., M.B., B.S.
Harrison, K. S., M.B., B.S., D.T.M.
Calov, W. L., M.B., Ch.M., D.T.M., F.R.A.C.P.
McGuinness, A. E., M.C., M.B., B.S.
Bateman, T. P. G., M.B., B.S.
Corlette, E. L., M.B.E., M.B., B.S.
Hughes, K. T., M.B., B.S.
Sevier, J. N., M.B., B.S.
Spark, T. E. H., M.B., B.S.
Hudson, C. B., M.B., B.S.
Haynes, B. G., M.B., B.S.
Anderson, D. J., M.D., B.S., F.R.A.C.P.
Wilson, F. H. H., M.B.
Isbister, J., M.B., B.S.
Puflett, R. D., M.B., B.S.
Ritchie, F. L., M.B., B.S.
Latham, J. V., M.B., B.S.
Halliday, E. J., M.B., B.S.
McDonald, G. L., B.A., M.B., B.S.
Reader, S. R., M.B., B.S.
Deakin, J. H., M.B., B.S.
Deck, M. F., M.B., B.S.
Read, F. H., M.B., B.S.
Eakin, R. I., M.B., B.S.
Hamilton, D. G., M.B., B.S.
Joseph, M. R., M.B., B.S., B.Sc.
Curtin, B. A. D., M.B., B.S.
Sherwood, J. E., M.B., Ch.M.
Collins, I. S., M.B., B.S.
Radford, J. G., M.B., B.S.
Robertson, T. I., M.B., B.S.
Hall, G. V., M.B., B.S.
Epps, R. G., M.B., B.S., B.Sc.

*Newborn, Care of*

Lecturers

Winning, Kathleen M., M.B., Ch.M.
Stening, S. E. L., D.S.C., M.B., B.S.
Isbister, Jean S., M.B., B.S.

*Obstetrics*

Mayes, B. T., M.V.O., M.B., B.S., F.R.C.S., F.R.A.C.S., F.R.C.O.G. (on leave) Prof.

Lecturers

Maitland, D. G., D.R. Edin., M.B., B.S., B.Sc. (Radiol. in Obstet.).
Heseltine, Mary J., M.B., B.S. Melb. (Bact. & Path. in Obstet.).
Gill, R. C., M.B., B.S.

Tutors

Richardson, K. S., M.B., B.S.
McCredie, H. A., M.B., Ch.M.
Howell, K. J., M.B., Ch.M.
Stevenson, R. B. C., M.B., Ch.M.
Hobson, A. F., O.B.E., M.B., B.S., F.R.C.S.
White, M. M., M.B., B.S., B.Ec.
Benson, Lois E., M.B., B.S., D.G.O.
Grant, A. M. B., M.B., B.S., F.R.C.S.
Moon, A. A., M.B.E., M.B., Ch.M., F.R.C.S.

*Obstetrics, Clinical*

Lecturers

Hughes, T. D., M.B., Ch.M., F.R.C.O.G.
Williams, H. B., M.B., Ch.M., F.R.C.O.G., F.R.A.C.S.
Murray, A. J., O.B.E., M.B., Ch.M., F.R.C.S., F.R.C.O.G.
Saunders, Ida B., M.B., Ch.M., F.R.C.O.G.

*Ophthalmology*

Blakemore, C. G. H., M.B., Ch.M., D.O.M.S. Lond., F.R.C.S., F.R.A.C.S.

*Pathology*

Magarey, F. R., M.D., B.S. Adel. Prof.

ten Seldam, R. E. J., arts Leyden Sr. Lectr.

Cameron, D. A., M.D.S. (Dental Pathol.) 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., F.R.A.C.P. Hon. Lectr.

*Preventive Medicine*

Ford, E., O.B.E., M.D., B.S. Melb., D.P.H. Lond., D.T.M., F.R.A.C.P., F.R.San.I. Dean and Prof.

Honorary Lecturers

Cole, G. E., D.S.O., M.B., B.S., D.P.H. Melb.

Park, C. L., M.D., B.Ch., D.P.H. Melb.

Southwood, A. R., C.M.G., M.D., M.S. Adel., F.R.San.I., F.R.A.C.P.

Fryberg, A., M.B.E., M.B., B.S. Melb., D.P.H., D.T.M.

Henzell, L., M.D., B.S., D.P.H. Lond.

George, W. E., M.B., Ch.M., F.R.A.C.P.

Heydon, G. A. M., M.C., B.A., M.B., Ch.M. Syd., D.P.H., D.T.M. & H. Camb., F.R.A.C.P.

Sawers, W. C., D.S.O., M.B., B.S. Melb., D.P.H. Oxon., D.T.M. & H. Liv., F.R.A.C.P.

Fairley, Sir Neil Hamilton, K.B.E., M.D., D.Sc. Melb., F.R.C.P. Lond. and Ed., F.R.S., F.R.A.C.P.

Archdall, M., M.D., Ch.M., F.R.A.C.P., F.R.A.C.S.

*Psychiatry*

Marsden, E. A., M.B., B.S. Lectr.

*Surgery*

Dew, H. R., Sc.D. Camb., M.B., B.S. Melb., F.R.C.S., F.A.C.S. F.R.A.C.S. 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.

Nelson, T. Y., M.B., Ch.M., F.R.A.C.S.

Maxwell, W. T. D., M.B., Ch.M., F.R.A.C.S.

Tutors

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.

Loewenthal, J. I., M.S. Melb., M.B., B.S., F.R.C.S.

Rawle, R. M., M.B., B.S., F.R.C.S.

Yeates, J. M., M.B., F.R.C.S., F.R.A.C.S.

Langley, E. F., M.B., B.S. Melb., F.R.C.S.

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.
Wilson, T. E., M.D., M.S., M.Sc. Melb., F.A.C.S., F.R.C.S., F.R.A.C.S.
Flynn, M. R., B.A., M.D., Ch.M., B.Sc., F.R.A.C.S.
Melville, R. P., M.B., B.S., F.R.C.S.
Alexander, M.S., O.B.E., M.B., M.S., F.R.A.C.S.
Reddel, A. E. M., M.B., M.S.
Pullen, W. J., M.B., M.S., F.R.C.S., F.R.A.C.S.
Spence, J. W., M.B., B.S., F.R.C.S.
Fleming, J. P., M.B., M.S., F.R.C.S., F.A.C.S., F.R.A.C.S.
Newton, N. C., M.B., M.S., F.R.C.S., F.R.A.C.S.
Fowler, N. A., M.B., B.S., F.R.C.S., F.R.A.C.S.
Schreiber, M. Sofer, M.B., B.S., F.R.C.S.
Goldie, J. E. D., M.B., B.S., F.R.C.S.
Opie, R. C., M.B., B.S.
Cohen, K., M.B., B.S., F.R.C.S.
Cumberland, V. H., M.B., B.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**

Oliver, H. J., M.A. (Aust. Literature).

**Tutorial Classes**

Wilson, J. L. J., B.A. N.Z. Dir.
Higgins, E. M., B.A. Melb. Asst. Dir.
9 Full-time Tutors and 46 Tutorial Class Lectrs.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: J. C. Bongers. Dep. Registrar: Margaret A. Telfer, B.A., Dip.Ed. Information Officer: A. A. Gamble. Asst. Registrars: J. D. Butchart, B.A. Melb., B.Ec.; H. G. McCredie, LL.B.; S. Weir-Wilson, B.Ec. (Asst. Registrar in charge of Examns.); D. R. V. Wood, B.Ec. Asst. Accountant: C. A. McClenehan, B.Ec. Asst. Librarian: K. W. Burrow. Adviser to Men Students: S. B. Bateman, B.Ec. Adviser to Women Students: Agnes M. A. Scobie, B.A. Sec. to Appts. Bd.: Isabel D. McKinney, B.A. Publications Officer: G. Preston, B.A. Warden, St. Paul's Coll.: Rev. F. R. Arnott, M.A. Oxon., Th.D. A.C.T. Rector, St. John's Coll.: Rev. J. C. Thompson, M.A., Dip.Ed. Oxon. Principal, St. Andrew's Coll.: Rev. J. McIntyre, M.A., B.D. Edin. Master, Wesley Coll.: Rev. B. R. Wyllie, M.A., B.D. Melb. Principal, The Women's Coll.: Helen E. Archdale, LL.M. Lond., B.A. McG. Principal, Sancta Sophia Coll.: Rev. Mother Nita Macrae, B.A. Sec. to the Extension Bd.: H. J. Oliver, M.A. Housing Officer: Mrs. Doris Whalan.

## COLLEGES WITHIN THE UNIVERSITY

ST. PAUL'S COLLEGE (Anglican), Newtown, Sydney. (*Telephone*: LA1447.) For men. Warden—Rev. F. R. Arnott, M.A. Oxon., Th.D. A.C.T. Sub-Warden—J. W. Lance, M.B., B.S. 18 other Lectrs.

ST. JOHN'S COLLEGE (R.C.), Camperdown, Sydney. (*Telephone*: LA1240.) For men. Rector—Rev. J. C. Thompson, M.A., Dip.Ed. Oxon. Vice-Rector—Rev. W. J. Cantwell. 5 other Lectrs.

ST. ANDREW'S COLLEGE (Presb.), Newtown, Sydney. (*Telephone*: LA1087.) For men. Principal—Rev. J. McIntyre, M.A., B.D. Edin. Vice-Principal—..... . 2 Fellows and 14 Lectrs.

WESLEY COLLEGE (Methodist), Newtown, Sydney. (*Telephone*: LA2024.) For men. Master—Rev. B. R. Wyllie, M.A., B.D. Melb. Vice-Master—L. C. Birch, D.Sc. Adel., B.Agr.Sc. Melb. 15 Lectrs.

THE WOMEN'S COLLEGE (undenominational), Newtown, Sydney. (*Telephone*: LA1195.) Principal—Helen E. Archdale, LL.M. Lond., B.A. McG. 9 Lectrs.

SANCTA SOPHIA COLLEGE (R.C. Women), Camperdown, Sydney. (*Telephone*: LA2467.) Principal—Rev. Mother Nita Macrae, B.A. Vice-Principal —Mother Eileen Leyne. 8 Lectrs.

## COLLEGE OUTSIDE THE METROPOLITAN AREA

NEW ENGLAND UNIVERSITY COLLEGE, ARMIDALE, N.S.W. Established by the University of Sydney, 1938. *See* p. 1012.

## GENERAL INFORMATION

Founded in 1850, the University of Sydney is the oldest Univ. in Australasia. Its development has been largely due to private benefactions. The Act of Incorporation provided for the appt. of a Senate of 16 Fellows (later increased to 26) and a statutory grant of £A5000. The first Provost and Vice-Provost (later entitled Chancellor and Vice-Chancellor) were elected the following yr., and the first 3 Profs. arrived in Sydney from the U.K. in 1852, the yr. of the Univ.'s inauguration in the Sydney Coll. bldgs. (now occupied by Sydney Grammar Sch.) in College Street. The first matriculation examn. was held in Oct. The Sydney Coll. bldgs. proved to be inadequate, and the State Govt. made a grant of 128 acres of land (later increased to 141½ acres) at Grose Farm on the w. boundaries of the city, with provision for sub-grants by the Senate for 4 Colls. and for subsidies towards the Coll. bldgs. and the salaries of their hds. The Univ. was transferred to this, its present site, in 1857. St. Paul's College (C. of E.) was estd. in 1854, St. John's (R.C.) in 1857, St. Andrew's (Presb.) in 1867, The Women's College (undenominational) in 1889, Wesley College (Methodist) in 1910 and Sancta Sophia College (R.C. Women) in 1929. All were built on Univ. land and subsidized on equal terms.

Most of the Univ. buildings have been provided from public funds. The Great Hall, a replica of Westminster Hall, London, was opened in 1859 and the main bldg. completed the following yr.

The Univ. was granted a Royal Charter in 1858. Women were not admitted to membership of the Univ. until 1881; they were given the same rights as men 3 yrs. later. Up to 1890 all students except graduates in Arts were required to attend one year in Arts before entering upon special studies.

CONSTITUTION. The body politic and corporate of the Univ. of Sydney consists of a Senate constituted of 4 fellows apptd. by the Governor, 1 elected by the Leg. Council, 1 by the Leg. Assembly, 10 by the grads., 3 by the fellows, 1 the Vice-Chancellor of the time, 5 rep. of the teaching staff, 1 (a grad.) rep. of the undergrads. The Chancellor and Deputy-Chancellor are elected by the Senate from its own members. The Chancellor or, in his absence, the Deputy-Chancellor, presides at all meetings of the Senate; if both are absent, a chairman is elected by the fellows. The entire management of the affairs, concerns and property of the Univ. is controlled by the Senate, which makes the by-laws and regulns. subject to approval of the Governor, who is the Visitor to the Univ. No religious test is administered to any person.

INCOME (1952), £A1,364,212 : State Govt. grants, 32 per cent. ; Commonwealth Govt. grants, 23 per cent. ; fees, 39 per cent. ; endowments, 2 per cent. ; other, 4 per cent.

FACULTIES AND DEANS. *Agriculture*, Prof. J. R. A. McMillan ; *Architecture*, Prof. H. I. Ashworth ; *Arts*, Prof. R. B. Farrell (German) ; *Dentistry*, Prof. A. J. Arnott ; *Economics*, Prof. S. J. Butlin ; *Engineering*, Prof. A. V. Stephens (Aeronautical Engin.) ; *Law*, Prof. K. O. Shatwell ; *Medicine*, Prof. E. Ford (Preventive Med.) ; *Science*, Prof. T. G. Room (Maths.) ; *Vet. Science*, Prof. H. R. Carne (Vet. Pathol.).

THE FISHER LIBRARY. Expenditure £A16,014 ; 343,351 vols. including a collection of early Hebrew and Latin MSS., some of them beautifully illuminated, a number of incunabula, and a collection of Elizabethan translations of Greek and Latin classics, some of them the first in English. MUSEUMS : Nicholson collection of Prehistoric, Egyptian, Nr. Eastern, Cypriot, Greek and Roman Antiq. ; Macleay Nat. Hist. ; Wilson Anat. and Anthrop. ; Pathol., Obstetric Mat. Med. LABORATORIES : Schools of Med., Engin. and Archit. (atelier), Bot., Chem., Geol., Phys., Zool., Vet. Sci., Agric. FIELD STATIONS : Crommelin Biological Stn., Pearl Beach, via Woy Woy (biological res. on central coast of N.S.W.). Castle Hill Res. Stn. (metropolitan area), Waterhouse Plant Breeding Stn., Curlewis (nr. Gunnedah, N.E., N.S.W.) and Tichborne Plant Breeding Stn. (nr. Parkes, Central W., N.S.W.) for cereal, flax and linseed investigations designed to produce improved varieties. McGarvie Smith Animal Husbandry Farm, nr. St. Mary's, N.S.W. (400 acres). HOSPITALS—recognized clin. schools ; Royal Prince Alfred, Sydney, St. Vincent's and The Royal North Shore ; Royal Hospital for Women and Women's Hospl., Crown St., King George V. Memorial Hospl. for Mothers and Babies (Obstet. and Gynæcol.) ; Royal Alexandra Hospl. for Children (Pædiatrics); a number of others are recognized for special postgrad. trng.

The grounds, which include the sites of the Colleges grouped round an oval, cover about 140 acres.

The LAW SCHOOL (Univ. dept.) is located at 167 Phillip St., Sydney (*Telephone*: BW8907, BW6059), and the DENTAL HOSPITAL OF SYDNEY (Univ. dept. of Dent.) at 2 Chalmers St., Sydney (*Telephone* : MA6964).

In the Univ. grounds is the TEACHERS' COLLEGE, a branch of the State Dept. of Educn. The courses leading to the Univ. postgrad. Dipl. in Educn. (Dip.Ed.) are arranged through co-operation between the staffs of the Univ. and the Coll. THE COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION : The National Standards Lab., situated in the Univ. grounds, was completed in 1940. Close collaboration in res. activities exists between many Univ. depts. and relevant divisions of the C.S.I.R.O. This applies particularly in Agric., Biochem., Bot., Geol., Zool., Vet. Physiol., Electr. Engin. and Chem. Engin. The McMaster Animal Health Lab., Div. of Animal Health and Production, C.S.I.R.O., which adjoins the Vet. Sch., was opened in 1931. Facilities are available for res. in Parasitol., Bacteriol. and Biochem. The McMaster Field Station attached to the same div. was opened in 1938. The station (800 acres) adjoins the Univ. McGarvie Smith Animal Husbandry Farm (v. *supra*). It is equipped primarily for investigations in Genetics and reproductive Physiol. in sheep and cattle under field conditions.

PUBLIC EXAMINATIONS. *See* Appendix I.

ADMISSION. *See* Appendix I. 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.

NON-MEMBERS OF THE UNIVERSITY. Any person may attend lectures without matricn. upon payment of such fees as the Senate may from time to time direct, provided that he has the approval of the Fac. concerned before commencing attendance at lectures.

SCHOOL OF PUBLIC HEALTH AND TROPICAL MEDICINE. The School acts as the teaching and examn. centre for the Univ.'s Dipls. of Public Health and of Trop. Med. and Hyg. In addition, a course in Preventive and Social Med. is given for undergrad. students. Courses are also given in Architectural Hyg., Soc. Hyg., Trop. Hyg. and Industrial Nursing. The School is financed by the Commonwealth Health Dept., but all teaching is directly controlled by the Univ. and the Fac. of Med., together with all matters concerning diplomas, syllabuses, fees, examns., etc. An Advisory Council, of representatives of the Univ. of Sydney and the Commonwealth Dept. of Health, deals with all matters of policy. The staff consists of a Director (also Prof. of Preventive Med.), a Professor of Tropical Medicine, 11 Med. Officers, and a number of visiting Lectrs.; 4 Entomologists, 4 Parasitologists and 11 technical officers. The D.P.H. entry requirements are those of the General Medical Council of Gt. Britain, the D.T.M. & H. courses correspond to similar courses at the London School of Hygiene and the Liverpool School of Trop. Medicine. The main divisions of the School are those of Pub. Health and Preventive Med., Tropical Med. and Hygiene, Indust. Hygiene, Bacteriol. and Pathol., Parasitol. and Protozool., Med. Entomol., Vital Statistics and Child Welfare. Library of about 15,000 vols., dealing espec. in Trop. Med. and Hyg., is available. Facilities are provided for research students.

DEGREE COURSES. 1 yr. (after completing 3 yrs. in Med.)—B.Sc. (Med.) Pass, Hons.; 3 yrs.—B.A. Pass (4th yr. for Hons.), B.Sc. Pass (4th yr. for Hons.); 4 yrs.—B.Sc.For. Pass (no Hons.), B.Sc.Agr. (5th yr. for Hons.), B.Ec. Pass, Hons.; LL.B. Pass, Hons., B.D.S. Pass, Hons., B.E. Pass, Hons. (Civil Engin., Mining Engin., Electr. Engin., Chem. Engin. or Aeronaut. Engin.), B.E. Pass (5th yr. for Hons.) (Mech. Engin.); 5 yrs.—B.V.Sc. Pass, Hons., B.Arch. Pass, Hons.; 6 yrs.—M.B., B.S. Pass, Hons.; 2 yrs.' advanced study or research (for persons aged 21 yrs. or upwards whose general educn. and sp. qualifn. for advanced study and res. have been approved by Fac. concerned)—B.A. or B.Sc. The LL.B. qualifies conditionally for admission to the Bar. Law students may take the B.A. first, selecting Law subjects in 3rd yr., and complete combined course in 6 yrs., thereby gaining concessions in regard to periods of studentship and service as articled clerk. B.D. Pass, Hons. degree is obtainable in 2 yrs. after graduation in another Fac.

HIGHER DEGREES. Master's degree: Arts (M.A.), Educn. (M.Ed.), Law (LL.M.), Econ. (M.Ec.), Surg. (M.S.), Sci. (M.Sc.), Dental Surg. (M.D.S.), Engin. (M.E.), Agric. (M.Sc.Agr.). Doctorates: Letters (D.Litt.), Divinity (D.D.), Law (LL.D.), Med. (M.D.), Sci. (D.Sc.), Engin. (D.Sc.Eng.), Dent. Sci. (D.D.Sc.), Vet. Sci. (D.V.Sc.), Agric. (D.Sc.Agr.), Ph.D. (v. "Postgrad. Study," *infra*).

DIPLOMAS. *Postgraduate*: Educn. (Dip.Ed.), by examn., open to grads. in Arts, Sci., Engin., Econ. or Agric., 1 yr.; medical, by examn. after completing prescribed course, open to qualified med. practitioners registrable by General Med. Council of Gt. Britain—Anæsthesia (D.A.), 6 mos.; C. Pathol. (D.C.P.), 8 mos.; Dermatological Med. (D.D.M.), 9 mos.; Gynæcol. and Obstets. (D.G.O.), 6 mos.; Laryngol. and Otorhinol. (D.L.O.), 6 mos.; Ophthalmol. (D.O.), 6 mos.; Psychol. Med. (D.P.M.), 1 yr.; Pub. Health (D.P.H.), 10 mos.; Diagnostic Radiol. (D.D.R.), 1 yr.; Therapeutic Radiol. (D.T.R.), 1 yr.; Trop. Med. and Hyg. (D.T.M. & H.), 6 mos. *Not restricted to graduates*:

Anthropol. (Dip.Anth.), grads., by thesis within 3 yrs., non-grads., by examn. and thesis within 5 yrs.; Pharmaceutical Sci. (Dip.Pharm.), by examn., open to Pharm. students who are registered pharmacists, 3 yrs.; Soc. Studies (Dip.Soc.Stud.), by examn., 2 yrs. (grads. or undergrads. in Arts or Econ. or holders of any Syd. Univ. dipl. may be granted status within course); Town and Country Planning (Dip.T.C.P.), 3 yrs. Where applicable all dipls. are open to grads. of any approved Univ.

POSTGRADUATE STUDY AND RESEARCH FACILITIES. The Univ. offers postgrad. courses for the Dipl. in Educn. and, through the Postgrad Cttee. in Med., courses in those med. fields specified above under the heading "Diplomas—Postgraduate." The usual facilities for postgrad. res. are provided in the various depts., and candidates may proceed to the Master's degree in most facs. and to the Ph.D. in the Facs. of Sci., Engin., Dent., Vet. Sci., Agric. and Archit. after completing at least 2 yrs.' supervised res. The Univ. publishes annually a statement entitled *Research and Scholarship* which sets out particulars of the res. completed and in progress in the different depts.

RECOGNITION OF STUDIES ELSEWHERE. The Professorial Bd. grants proper status to persons who have completed part or all of a degree course in other Univs.

FEES. *Matricn.*: £3; *Degree*: B.A., B.Sc., B.Sc. (Med.), B.Sc. (For.), B.Sc. (Agr.) and B.Ec., £3; B.D., B.V.Sc., M.A., M.Sc., M.Sc. (Agr.) and M.Ec., £5; M.Ed., LL.B., LL.M., M.B., B.S., B.E., B.D.S., M.D.S., M.E. and B.Arch., £10; Doctor in any Fac., £20. *Degree courses*: in Arts (Pass 3 yrs.), £259; (Hons. in one Sch., 4 yrs.), £274; (Hons. in two Schools, 4 yrs.), £325; in Divinity, 3 yrs., £181; in Law, 4 yrs., £375 (Arts subjects additional); in Law, 5 yrs., £388 (Arts subjects additional); in Med., 6 yrs., £698 (excluding hospital attendance, £20, and Practical Midwifery, £23); in Science (Pass, 3 yrs.), £331; (Hons. 4 yrs.), £391; in Engin., 4 yrs. (Civil, Mech. & Elec. and Aeronautical), £521; (Chem. and Mining), £566; in Dent., 4 yrs., £506 (excluding Dental Hospl., £15 p.a.); in Vet. Science, 5 yrs., £454 (excluding residence at Univ. Farm, £12); in Agric. (Pass, 4 yrs.), £405; (Hons., 5 yrs.), £466; in Econ., 4 yrs. (Day students), £343, and 6 yrs. (Evening students), £366; in Archit., 5 yrs., £618.

ACADEMIC YEAR. March to Nov.; 3 terms of 9 weeks each.

PRINCIPAL OPEN AWARDS. (*For Candidates at N.S.W. Leaving Certificate Examn.*) *Scholarships*—Commonwealth Govt. awards scholps. tenable for normal period for first degree to all Australian Univs. (761 awarded to Sydney Univ. for 1953); James Aitken (2), £50 for 1 yr. in any fac.; Bowman-Cameron, £50 p.a. for 3 yrs. in Arts; Martin McIlrath (2 Vet. Sci., 2 Agric., preference to ex-Servicemen or their sons), £75 each for 1 yr.; Queen Victoria (for female needing financial assistance), £20 p.a. for 3 yrs. in any fac.; Robert Campbell (preference to necessitous child of member of A.I.F., 1914–18), £50 p.a. for 2 yrs. in any fac.; Barker No. III, £50, and Horner Exhibition, £10, for 1st yr. course in Maths. in Arts, Sci. or Engin.; Liversidge (2), £37 : 10s. each for 1st-yr. course in Chem.; (L.C. and special paper)—Cooper No. II, £50 for 1st-yr. courses in Latin and Greek; Garton No. III, £42 : 10s. for 1st-yr. course in French; Lithgow No. I, £35 for 1st-yr. course in German. Gowrie Scholps. (4 for members of Forces on active service, 1939–45 war, their children or grandchildren), £75 p.a. for normal period of course. Bursaries (40) awarded under Bursary Endowment Act, 1912, to Commonwealth Scholars (for students living at home), £35 p.a. (for students living away from home), £75 p.a., with allowance for text-books not exceeding £7 : 10s. p.a. in

each case, tenable for normal period of course, subject to financial circumstances; a limited number of privately endowed bursaries for promising but necessitous students, £25-£50 p.a., with remission of lecture fees awarded annually and tenable for 4 yrs. Univ. grants remission of half lecture fees for students sponsored by Soldiers' Children Educn. Bd. (N.S.W. Repatriation Dept.) and Bd. pays all other fees. Sydney Legacy War Orphans' Fund covers all fees for students sponsored by Legacy Club of Sydney.

SCHOLARSHIPS, ETC., FOR GRADUATES. 8 travelling scholps. of £500 p.a. are awarded by Univ. from time to time for postgrad. study and res. abroad in various subjects; 1 travelling scholp. in Engin. of £600 p.a. and 2 travelling scholps. in Agric. of £700 p.a. awarded from time to time; 6 travelling scholps. awarded from time to time in certain facs. in conjunction with Walter and Eliza Hall Trust; also a limited number of postgrad. scholps. which may be held locally; 4 Macleay Fellowships of £400 p.a. awarded by Linnean Society to grads. in Sci. Demrs. apptd. annually in scientific depts. with obligation to carry out res. under direction of the Prof.

A PUBLIC RELATIONS AND INFORMATION OFFICE was set up in 1952.

APPOINTMENTS BOARD. (*Telephone*: MW1720.) Assists undergrads. and grads. to secure appts. and helps Engin. students to get places in approved works for the prescribed practical experience. The Bd. also collaborates with the Extension Bd. in arranging 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 Kabejroi of the Univ. (dining club for male graduates and undergraduates), Soc. for Exper. Biol.

RESIDENCE. The six Colls. within the Univ. (v. *supra*) provide accomm. for the number of students specified: St. Paul's Coll., 120, fees £A165 p.a.; St. John's Coll., 81, fees £A176 p.a.; St. Andrew's Coll., 135, fees £A189 p.a.; Wesley Coll., 124, fees £A192 p.a.; The Women's Coll., 93, fees £A170 p.a.; Sancta Sophia Coll., 54, fees £A168. 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' Educnl. Assocn. of N.S.W.

VACATION COURSES. (*a*) Dept. of Tutorial Classes: In conjunction with the W.E.A., residential week-end courses are arranged throughout the yr. and ten days' courses are held in Dec./Jan. for class students and the general public at the W.E.A. School at Newport (nr. Sydney). Short residential courses are occasionally conducted for sp. groups at the Women's Coll. (*b*) Sch. of Pub. Health and Trop. Med.: Vacation courses vary according to demand, *e.g.* in 1953, a course in Indust. Hyg. for med. practitioners was provided and one for sch. med. officers. Another course of 27 lectures in Trop. Med. and Hyg. for missionaries, planters, nurses, etc., is held annually during term.

UNIVERSITY MILITARY AND AIR FORMATIONS. The Sydney University Regiment is organized as an infantry battalion of the Citizen Military Forces and regarded as an officer-training unit. Training is carried out at a three wks.' camp during Long Vacation and at home trng. parades at Regimental H.Q. during the yr. C.O.: Lt.-Col. F. A. Mackell, M.C., B.Ec. H.Q.: S.U.R. Training Depot, Univ. (*Telephone*: MW3034.) The Sydney University Squadron, estabId. 1950, is made up of 6 specialist flights: Flying, Medical, Technical,

Works, Radio and Equipment/Accounting. The aim of the Squadron is to create a reserve of specialists who can apply their particular professional knowledge to the R.A.A.F. C.O.: S/Ldr. C. W. Brackenridge. H.Q.: Dymock's Bldg., 424 George St., Sydney. (*Telephone*: MA6041.)

STUDENT ATHLETIC FACILITIES. For men there are 3 ovals and 10 tennis courts and facilities for basket-ball, rowing, squash racquets and rifle shooting. There are 21 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., Stella E. Swinney, B.A.

PUBLICATIONS. *Calendar*, with annual report, 7s. 6d.; *Handbooks* of the Facs. of Arts (annually), 3s. 6d., Dent. (biennially), 2s. 6d., and to the Nicholson Museum of Antiquities, 18s.; *Prospectuses* of the Dept. of Soc. Studies and Sch. of Divinity (annually); Annual Examn. Papers in sets, 6d.; *The Gazette* (quarterly); reprints of papers contributed to periodicals by staff members; *Current Affairs Bulletin* (ed. by Dept. of Tutorial Classes), 6d. a copy or annual sub. 12s. 6d. for 26 copies; *The University of Sydney, A Description*, 5s.; *The Union Recorder* (weekly during term); *The Union Book of 1952* (commemorating the Centenary of the Univ.), £1 : 1s.; *The University of Sydney Centenary Celebrations 1952*, 15s.; H. E. Barff, *A Short Historical Account of The University of Sydney* (o.p. but some copies available at Univ.).

## THE YEAR 1952

SUBSTANTIAL BENEFACTIONS. Charles G. Heydon Fund, £16,000, for purchase of books on Hist. and Philos. of Science; estate of late F. A. Q. and A. E. Stephens, £17,345, for res. scholps. in any fac.; estate of late H. Johnson, £5460, for travelling scholps. for necessitous but distinguished students; estate of late Rev. H. Plume, £1560, for scholp. in Natural Sci.; Dr. G. Allen, £500, for Memorial Prize or Bursary for Therapeutics in Med. VI; Timbrol, Ltd., £1212, for res. in Bot.; Dunlop Rubber (Aust.), Ltd., £500, for res. scholp. in Chem.; I.C.I.A.N.Z. Ltd., £1200, for res. fellowships in Chem. and other depts.; Monsanto Chemicals (Aust.), Ltd., £600, for res. scholp. in Org. Chem.; Australian Gas Light Co., £1250, for senior res. fellowship in Geol.; for res. fellowships in Pharmacol.: Australian Jockey Club, £1054, Burroughs Wellcome & Co. (Aust.), Ltd., £863, Drug Houses of Aust., £804, Nicholas Pty., Ltd., £1000; George Aitken Pastoral Research Trust, £500, for postgrad. scholp. in Vet. Pathol. and £560, grant towards salaries in Dept. of Vet. Physiol.; Vacuum Oil Co. Pty., Ltd., £1100, for res. scholp. in sundry depts.; Acton Labs. (Aust.) Pty., Ltd., £500, for res. in Vet. Physiol.; Mrs. E. M. Terry, £500, for Dept. of Bot.; Norco Co-op. Ltd., £500, for res. in Agric.; Mrs. M. Reid, £2000, for Dept. of Vet. Sci. Univ. Centenary Appeal (1950–52), £239,844.

NEW DEPARTMENTS AND POSTS. Chair of Phys. Chem.; Readerships in Agric. Chem. and Maths. (Pure M.); Sr. Lectureships in Ancient World Hist. and Archit.

PRINCIPAL CHANGES IN REGULATIONS. Public exhibitions no longer awarded; Hons. courses in Classics, Italian and Archæol. for B.A. introduced;

grads. of other Univs. admitted as candidates for LL.D., D.D.Sc.; regns. for B.E., M.Sc., D.Sc. and D.Sc.Eng. revised; Fac. of Agric. reconstituted; Facs. of Econ. and Archit. By-laws—verbal amendments.

ADULT EDUCATION. *Univ. Extension.* Courses: Scientific German, Russian, Business Management, Valuation of Real Estate, Music, Lectures (special), Accountancy Res. and John Irvine Hunter Memorial; series of lectures, 4 in city, 5 free public, 6 at city and suburban schools, 72 in 26 country towns. Lectrs. (Extension Bd. panel), 60; (for courses), 19. *Tutorial Classes* (in metropolitan area and country districts), 129 (enrolment 3586); discussion groups, 120 (enrolment, 1950); kit groups, 57 (enrolment, 759). No. of centres, 306. Expenditure, £A34,942, for tutorial classes only.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. C. H. Best, Dir. of Best and Banting Inst. of Med. Res., Tor.; Prof. P. M. S. Blackett, Pro-Vice-Chancellor, Manc., on Nuclear Phys.; Dr. D. H. Brinton, Lond., on Neurol.; Prof. C. Davis, Mich., on Geog.; Prof. J. N. Hough, Colorado, on Classics; Dr. J. A. Moore, Col., on Zool.; Dr. N. L. Munn, Hd. of Psychol. Dept., Bowdoin Coll., Brunswick, U.S.A.; Prof. P. F. Sharp, Iowa State Coll., on Hist.; Dr. J. Stallworthy, Prof. of Obstet. and Gynæcol., Oxon.; Prof. M. L. Williams, Illinois Inst. of Technol., on Engl.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Prof. H. R. Dew invited by the Univ. of Chile and the Govt. of Chile to be guest at Fourth International Congress on Hydatid Diseases, at Santiago, Chile.

RETIREMENTS. W. L. Waterhouse (Agric.); H. K. Ward (Bacteriol.); N. M. Gregg (Ophthalmol.).

RESIGNATIONS. N. A. Burges (Bot.), apptd. Prof. of Bot., U. of Liv.; S. J. Angyal (Chem.), apptd. Assoc. Prof. Org. Chem., N.S.W.U.T.; E. A. Russell (Econ.), apptd. Lectr. in Econ., U. of Adel.; P. H. Partridge (Govt. and Public Admin.), apptd. Prof. of Soc. Philos., A.N.U.; J. F. S. Frith (Chem. Engin.); S. M. Munday (Civil Engin.); C. McClelland (Law), apptd. Judge of Supreme Court; B. P. Macfarlan (Law); F. C. Stephen (Law), apptd. Judge of District Court; W. K. Inglis (Pathol.); C. L. Chapman (Clin. Gynæcol.); W. A. Bye (Clin. Med.).

DEATHS. J. W. Salter (Mining Engin.); W. McMinn (Law).

HONORARY DEGREES. *D.Litt.*—R. J. Heffron, Deputy Premier of N.S.W. and Minister for Educn.; Emer. Prof. E. R. Holme, formerly McCaughey Prof. of Engl. Lang.; H.E. Lt.-Gen. Sir J. Northcott, Governor of N.S.W. and official Visitor to the Univ. of Syd. *LL.D.*—J. J. Cahill, Premier of N.S.W. and Minister for Public Works and Local Govt.; Sir R. R. Garran, formerly Solicitor-Gen. of the Commonwealth of Aust., Chairman of the Council of Canberra Univ. Coll.; The Rt. Hon. W. M. Hughes, M.P., formerly Prime Minister of Aust.; M. McIlrath, benefactor of the Univ.; Lt.-Gen. Sir I. G. Mackay, formerly High Commissioner for Aust. in India; H.E. the Rt. Hon. Sir W. J. McKell, Governor-General of Aust.; Rt. Hon. R. G. Menzies, Prime Minister of Aust.; Rt. Hon. Sir G. E. Rich, formerly a Justice and Actg. Chief Justice of High Court of Aust. and member of Judicial Cttee. of the Privy Council; K. W. Street, Lt.-Governor and Chief Justice of N.S.W. *D.Sc.*—Dr. R. S. Aitken, Vice-Chancellor of Univ. of Otago; Sir E. V. Appleton, Principal and Vice-Chancellor of Univ. of Edin., Sir J. D. Cockcroft, Dir. of Atomic Energy Res. Establishment, Harwell; Rt. Hon. Dr. H. V. Evatt Leader of Federal Opposition and Fellow of Univ. Senate; N. M. Gregg Charles Mickle Fellow for 1951 in Univ. of Tor., Physician; E. Lewis, Deput

Chairman of Bd. of Directors of Broken Hill Pty. Co. Ltd.; Sir D. Mawson, Prof. of Geol. and Mineral. in Univ. of Adel.; Rt. Hon. Sir E. C. G. Page, formerly Prime Minister of Aust., Commonwealth Minister for Health and Chairman of Advisory Council of New England Univ. Coll.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1344 | 4255 |
| Women | 392 | 1369 |
| Total | 1736 | 5624 |

Postgraduate students, 217.

New admissions, 1750.

Students from other countries, 275. (Countries from which largest numbers came: Federation of Malaya, 158; New Zealand, 36; Fiji, 16; China, 12; Indonesia, 10; Thailand, 8; Hong Kong, 6; Philippines, 6; India, 5; Ceylon, 5; U.S.A., 5.)

DEGREES. *Agric.*: M.Sc.Agr., 1; B.Sc.Agr., 31. *Archit.*: B.Arch., 65. *Arts*: M.A., 13; B.A., 350. *Dent.*: D.D.Sc., 1; M.D.S., 3; B.D.S., 138. *Econ.*: M.Ec., 2; B.Ec., 77. *Engin.*: B.E., 177; Ph.D., 3. *Law*: LL.B., 145. *Med.*: M.S., 4; M.B., 310; B.S., 311; Ch.M., 1; B.Sc. (Med.), 11. *Sci.*: D.Sc., 1; M.Sc., 24; B.Sc., 169; Ph.D., 4; B.Sc.For., 12. *Vet. Sci.*: B.V.Sc., 72. *Divinity*: B.D., 1. *Educn.*: M.Ed., 5. *Total number of first degrees awarded*, 1869.

DIPLOMAS. Dip.T.C.P., 14; Dip.Ed., 152; D.C.P., 1; D.D.M., 6; D.D.R., 2; D.G.O., 2; D.O., 2; D.P.M., 3; D.P.H., 3; Dip.Soc.Stud., 29.

[*Information compiled as at* 1/5/53.]

# THE NEW ENGLAND UNIVERSITY COLLEGE*†
## (UNIVERSITY OF SYDNEY)

Founded 1938

*Postal Address*: Armidale, New South Wales, Australia.
*Telegrams*: University, Armidale.
*Telephone*: Armidale 432.

CHAIRMAN OF THE ADVISORY COUNCIL—The Rt. Hon. Sir EARLE PAGE, G.C.M.G., C.H., M.B., Ch.M., D.Sc. Syd., F.R.A.C.S.

WARDEN—R. B. MADGWICK, D.Phil. Oxon., M.Ec. Syd.

REGISTRAR—W. M. ROBB, M.A. Syd.

ACCOUNTANT—J. S. STIMSON.

LIBRARIAN—EDITH M. TATTERSALL, B.A. W.Aust.

## TEACHING STAFF

*Botany*

Davis, Mrs. Gwenda L., B.Sc., Ph.D. Syd. Sr. Lectr.
Baddams, Greta, B.A., B.Sc. Adel. Lectr.
..... Lectr.

*Chemistry*

Senior Lecturers

Dudley, F. B., B.Sc. Melb.
Riggs, N. V., B.Sc. Adel., Ph.D. Camb.

Lecturers

Lewis, K. G., B.Sc. Adel.
Stimson, V. R., B.Sc. Syd.
2 Demrs.

*Classics*

Letters, F. J. H., M.A., LL.B. Syd. Sr. Lectr.
Duhigg, J., M.A. Camb., B.A. Syd. Lectr.

*Economics*

Belshaw, J. P., M.A. N.Z., Ph.D. Manc. Sr. Lectr.
Duncan, R., M.A. Adel. (on leave) Lectr.
Boehm, E. A., B.Ec. Adel. Lectr.
Lamberton, D. M., B.Ec. Syd. Lectr.

*Education*

Part-time Lecturers

Bassett, G. W., Ph.D. Lond., M.A. Syd., Dip.Ed. Syd.
Crane, A. R., M.Ed. Melb., M.A. Syd., Dip.Ed. Syd.
Mackie, Margaret, M.A. Oxon., B.A. Syd.

*English*

McKenzie, K. A., M.A., Dip.Ed. Melb., D. de l'U. Paris Sr. Lectr.
O'Brien, C. J. H., M.A. Syd. Lectr.
Liggins, Elizabeth M., M.A. Syd. Lectr.

*French*

Blanche, Isabel M., Dip. d'Ét. Paris, B.A. Syd. Sr. Lectr.

* Now (1954) The "University of New England."
† Additional Member of the Association of Universities of the British Commonwealth.

*Geography*

Thorpe, E. W. R., B.Sc. Syd. Sr. Lectr.
Rose, A. J., M.A. N.Z. Lectr.
1 Res. Asst.

*Geology*

Voisey, A. H., D.Sc. Syd. Sr. Lectr.
Wilkinson, J., M.Sc. Q'ld. Lectr.
Campbell, K. S. W., M.Sc. Q'ld. Lectr.
Mathews, R. T., M.Sc. Q'ld. Temp. Lectr.

*German*

Holloway, F., B.A., Dip.Ed. Wales, M.A. Oxon. Lectr.
Spindler, O., Ph.D. Vienna Lectr.

*History*

Tapp, E. J., M.A. N.Z. Sr. Lectr.
Dalton, B. J., M.A. N.Z. (on leave) Lectr.
Walker, R. B., B.A. Liv. Lectr.

*Mathematics*

Smith, R. C. T., M.A., B.Sc. Melb., D.Phil. Oxon. Sr. Lectr.

Lecturers

Taylor, N. W., M.Sc. Syd.
Horadam, A. F., B.Ed. Melb., M.A. Syd., Dip.Ed. Syd.
Horadam, Mrs. Eleanor M., M.A. Camb., B.Sc. (Eng.) Lond.
Majstrenko, P., M.A. Copenhagen.

*Philosophy*

McIntosh, G. F., B.A. Syd. Sr. Lectr.
Bussell, A. C., B.A. Syd. Lectr.

*Physics*

Somerville, J. M., M.A. Camb., B.Sc. Syd., F.I.P. Sr. Lectr.
Smith, R. A., B.Sc. Syd. Sr. Lectr.
Hibberd, F. H., B.Sc. W.Aust., M.Sc. Syd. Lectr.
2 Res. Assts.

*Psychology*

Howie, D., M.A. W.Aust., Ph.D. Lond. Sr. Lectr.
Barratt, P. E. H., M.A. Syd. (on leave) Lectr.
Cox, F. M., M.A. Melb. Lectr.
Feather, N. T., B.A. Syd. Temp. Lectr.
1 Res. Asst.

*Zoology*

O'Farrell, A. F., B.Sc. Lond. Sr. Lectr.
Stock, A., Ph.D. Edin., Ph.D. Vienna Sr. Lectr.
..... Sr. Lectr.

**Tutorial Classes**

Eberle, A. W., B.A., B.Com., B.Ed. Melb. Sr. Tutor.

Technicians—Depts. of Bot.-Zool., Chem., Geog.-Geol. and Phys.

## ADMINISTRATIVE OFFICERS

UNIVERSITY OFFICE. Asst. Registrar: T. C. Lamble, B.A. Syd.; Clerk of Examns.: Evangeline Harris; Asst. Accountant: W. Dodds.

LIBRARY. Asst. Librarians, Patricia Fordyce, Thelma Ashton, Muriel Fairhall.

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 (Amend-

ment) 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 78 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.

INCOME (1952). £A163,197 (grants from Commonwealth and N.S.W. Govts., 82 per cent.; residential fees and sale of produce from Univ. farm, 12 per cent.; lecture fees, 5 per cent.).

FACULTIES AND CHAIRMEN OF FACULTY CTTEES. *Arts*, Dr. K. A. McKenzie; *Science*, Dr. A. Stock.

LIBRARY. Dixson Library, approx. 25,000 vols., together with a large number of periodicals.

LABORATORIES, ETC. A FIELD STATION for research into properties of the ionosphere has been established. 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. *See* Appendix I.

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. (Org. and Inorg.), Bot., Zool., 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 course 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. Accomm. at the Univ. Coll. itself for 78 students; 8 hostels in Armidale can accommodate a further 120 students. The weekly charge to students for full board and lodging is £A3 : 10s. Except for those whose homes are in Armidale or who are married, all students are required to come into residence.

UNIVERSITY MILITARY FORMATION. " D " Co. of the Sydney Univ. Regiment is recruited at the Coll.

STUDENT HEALTH SERVICE. Each student is required to contribute £A1 : 10s. yearly to a medical fund which entitles him, under certain conditions, to free medical treatment while in residence.

SPORT. An active Sports Union provides for all major sporting activities. The 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 " Booloominbah " itself. Plans and specifications of " Forster House," the proposed Students' Union, have been completed.

PUBLICATIONS. *New England University College 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 1952

ADULT EDUCATION WORK. 19 classes on widely varied subjects (enrolment of 305 in 8 centres up to 80 miles distant from Armidale).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. H. R. Carne, Syd., Vet. Sci.; H. J. Geddes, Syd., Agric.; Prof. P. D. F. Murray, Syd., Zool.; C. S. Daley, Canberra U.C., Univ. Admin.; Prof. F. F. McKenzie, Oregon State Coll., Animal Husbandry; Dr. R. T. Hutcheson, Glas., Admin.; Prof. A. Kluckhohn, U.S.A., Anthropol.

RESIGNATIONS. Ruth E. Bulman (Bot.); W. R. Blevin (Phys.), apptd. to C.S.I.R.O.; G. L. Champenois (French); J. M. Monro (Zool.), apptd. Lectr. in Zool., Univ. of Adel.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 16 | 112 |
| Women | 6 | 77 |
| Total | 22 | 189 |

New admissions, 86.
Students from other countries, 2 (from Thailand and Sarawak).

DEGREES. *Arts*: M.A., 1; B.A., 37. *Science*: B.Sc., 14.

[*Information compiled as at* 5/5/53.]

# UNIVERSITY OF TASMANIA*

Founded 1890

*Postal Address*: Box 647c G.P.O., Hobart, Tasmania, Australia.
*Telegraphic Address*: University, Hobart.
*Telephone*: Hobart 7266.

VISITOR — H.E. The Rt. Hon. Sir RONALD HIBBERT CROSS, Governor of Tasmania.

CHANCELLOR—The Hon. Sir JOHN DEMETRIUS MORRIS, K.C.M.G., M.A., LL.B. Melb.

VICE-CHANCELLOR—Professor T. HYTTEN, C.M.G., M.A.

REGISTRAR—A. S. PRESHAW, B.A. W.Aust., F.C.I.S.

LIBRARIAN—D. H. BORCHARDT, M.A. N.Z.

## TEACHING STAFF

*Accountancy*, v. Comm.

*Botany*

Barber, H. N., M.A. Camb., Ph.D. Lond.(on leave) 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.

Senior Lecturers

Polya, J. B., Dipl. Ing. Chem., D.Sc. Tech. Zür., D.Sc., F.R.I.C.
Kelly, F. H. C., M.Sc. Melb.
Allen, J. A., M.Sc. Q'ld., Ph.D. Brist.
Smythe, L. E., M.Sc. Syd., Ph.D.
Bick, I. R. C., M.Sc. Q'ld., Ph.D. Camb.
4 Demrs., 1 Lab. Offr.

*Classics*

Elliott, J. R., B.A. Syd., M.A., Dip.Class.Arch. Camb. Prof.
Waters, K. H., M.A. Camb. Sr. Lectr.

*Commerce*

Firth, G. G., B.Sc. (Econ.) Lond. Prof.
Dallas, K. M., B.Com. Sr. Lectr.

Lecturers

Lithgow, G., M.A. Glas., B.A. Oxon.
Hagger, A. J., B.Com. Melb., Ph.D. Lond.

Part-time Lecturers

Hewer, A. R., F.I.C.A. (Accy.).
Nettlefold, R. R., LL.B.
Bingham, M. E., LL.B.
Cox, L. N. P., B.Com.
Nichols, W. E., B.Com.

*Education*

Hardie, C. D., M.A. Camb. (on leave) Prof.
Doe, T. E., B.Sc. Sr. Lectr.
Collins, T. G., B.Sc., Dip. Ed. Sr. Lectr.

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

Lecturers
Hills, W., B.A.
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., Dip.Ed. W.Aust., F.R.S.A.

*Engineering*
Burn, A., B.E. Syd., LL.D. Lond., M.Sc. Prof.
Tuck, H. P., M.E., B.Sc. Adel. Assoc. Prof.

Senior Lecturers
Burrell, G. J., B.E. (Mech.) N.Z.
Newstead, G. H., M.E.E. Melb.
Oliver, A. R., M.E. Adel.
Szomanski, E., M.Sc. Warsaw.

Lecturers
Griffits, A. E. H., B.Sc. Lond.
Brownell, C. D., B.E.
Kerrison, G. N., B.E.E. Melb.
Lilley, E. M., B.A. Oxon., B.Sc. (Pt.-time).
1 Demr., 4 Mechanics.

*English 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*
Scott, P., M.Sc. (Econ.) Lond. Sr. Lectr.

*Geology*
Carey, S. W., D.Sc. Syd. Prof.
Banks, M. R., B.Sc. Syd. Sr. Lectr.
Spry, A. H., M.Sc. Adel. Lectr.
Hale, G. E. A., B.Sc. Pt.-time Lectr.
1 Demr.

*History*
King, C. S., M.C., M.A. Oxon., B.A. Prof.
Wilson, G. T. J., M.A. Camb. and N.Z. Sr. Lectr.
Townsley, W. A., B.A. Birm., M.A., Dip.Ed. Lond. Sr. Lectr.
McRae, M. D., B.A. Lectr.

*Law*
Baker, R. W., B.C.L., B.Litt. Oxon., LL.B. Prof.
Roulston, R. P., LL.B. Syd. Sr. Lectr.

Lecturers
Iliffe, J. A., B.C.L. Oxon.
Gow, J. J., B.L., Ph.D. Aberd.
Solomon, H. J., B.A., LL.B. (Pt.-time).

*Mathematics*
Pitman, E. J. G., M.A., B.Sc. Melb. Prof.
Löwig, H. F. J., D.Nat.Sc. Prague, D.Sc. Sr. Lectr.
Urquhart, M. L., B.Sc. Sr. Lectr.
Sprent, P., B.Sc. Lectr.

*Modern Languages*
Triebel, L. A., M.A. Lond., D.Litt. Prof.
Batt, Jean C., B.A. Sr. Lectr.
Wolff, Erica, M.A., Ph.D. Melb. Lectr.

*Philosophy*
Orr, S. S., M.A. Belf. Prof.

*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. Asst. Registrar: D. A. Kearney. Asst. Accountant: W. E. Nicholls, B.Com. Sr. Clerk: Linda E. Weidenhofer.

LIBRARY. Asst. Librarian: .....

PHOTOGRAPHIC DEPT. TECHN.: T. S. McMahon.

## AFFILIATED RESIDENTIAL COLLEGES

CHRIST COLLEGE, Park St., Hobart. (*Telephone*: Hobart 4580.) Warden—Rev. A. A. W. Gray, M.A. For University and Theological students only, fees £A140 p.a. Accommodation, 36.

JANE FRANKLIN HALL, 308 Davey St., Hobart. (*Telephone*: Hobart 5728.) Principal—Margaret L. O. Horsfall, B.A., Dip.Ed., F.R.S.A. For women, fees £A111 p.a. Accommodation, 21.

## AFFILIATED SCHOOLS

MT. LYELL SCHOOL OF MINES AND INDUSTRIES, Sticht St., Queenstown. (*Telephone*: Queenstown 36.) Registrar—E. 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*: Launceston 887.) Principal—W. G. Speers, B.Sc.

## GENERAL INFORMATION

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was granted a Royal Charter in 1915. To the original Facs.—Arts, Science and Law—Commerce was added in 1919, Engineering in 1922 and Education in 1951. Music (included under the Faculty of Arts) was taught from 1935 to 1938 but the Lectureship has lapsed. The State Govt. Grant for 1952–53 was £A100,284 and the Commonwealth Grant £A38,412. Chem. and some Engineering subjects are taught under a joint agreement between the Univ. and the Hobart Technical Coll.; the Jt. Bd. of Management received a separate grant of £A32,650 from the State Govt. and £A7086 from the Commonwealth Grant for those depts. in 1952–53.

LIBRARY. 79,709 vols.

LABORATORIES. Chem., Phys., Zool., Bot. and Geol., and Civ., Elect. and Mech. Engin. Testing plant in Engin. Dept.

FACULTIES AND DEANS. *Arts*, Assoc. Prof. J. A. Cardno; *Commerce*, Prof. G. G. Firth; *Educn.*, Prof. C. D. Hardie; *Engin.*, Prof. A. Burn; *Law*, Prof. R. W. Baker; *Science*, Prof. H. N. Barber.

ADMISSION. *See* Appendix I. *Admission of non-members.* Any person whether matriculated or not may enrol for Univ. classes provided he can satisfy prerequisites (if any).

PUBLIC EXAMINATIONS. Matricn.; Music (held in conjunction with other Australian Univs.). *See also* Appendix I.

DEGREES, DEGREE COURSES. 3 yrs., B.A., B.A. (Hons.), B.Sc. (4th yr. for Hons.), B.Ec. (4th yr. for Hons.), B.Com.; 4 yrs., B.Sc. (Applied), B.Sc. (Applied) (Hons.), B.E., B.E. (Hons.), B.For.; 5 yrs., LL.B., LL.B. (Hons.). DEGREES COMPLETED ELSEWHERE: First yr. of courses leading to degrees in Med., Dent. and Agric. Sci. (Melbourne or Adelaide), Vet. 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. Public Admin., 2 yrs.' course; Educn. (Postgraduate), 1 yr.'s course. CERTIFICATES. Educn., 2 yrs.' 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., £2 : 2s., *ad eundem statum*, £2; Admission to Degrees, Bachelors, £5 : 5s. Including examn.: Masters, £15 : 15s.; Doctors, £26 : 5s.; Degree Courses (full-time) in Arts (3 yrs.), £130; Sci. (3 yrs.), £200; Sci. (Hons.) (4 yrs.), £266; Sci. (Appl.) (4 yrs.), £280; Engin. (4 yrs.), £354; Law (5 yrs.), £248; Comm. (3 yrs.), £143; Econ. (3 yrs.), £143; Econ. (Hons.) (4 yrs.), £188. Courses spread over longer periods than the minima would cost more.

POSTGRADUATE SCHOLARSHIPS AND GRANTS. 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. *See also* Appendix III.

APPOINTMENTS BOARD. Establishment of Appts. Bd. is provided for by statute, but operations suspended as little call on its services in present period of full employment.

ACADEMIC YEAR. March to Dec., with 3 teaching terms of 10 weeks each, and 1 examn. term of 4 weeks.

GRADUATES' ASSOCIATION. Tasmanian Women Graduates' Assoc. Pres., Mrs. J. P. Radford, Box 485A, G.P.O., Hobart.

STUDENTS' UNION. Tasmania Univ. Union; Sec., G. Jacques.

STUDENTS' RESIDENCES. *See* Affiliated Residential Colleges, *above*.

PUBLICATIONS. *Univ. Calendar* (May, 3s. 6d.); *Matriculation Manual* (March, 5s.); *Details Degree Examns.* (June, 6d.); Students' paper, *Togatus* (monthly).

## THE YEAR 1952

BENEFACTIONS. Mt. Lyell Mining Co., £300; Repco Ltd., £250, for students' Hall of Residence; Lady Nicholls, £300, to endow Sir Herbert Nicholls Common Law Prize; late W. Wright, £500, to be used for benefit of Educn. Dept. students; E. S. & A. Bank, £200, for general purposes; late Mrs. E. W. Turner, £2000 to endow Lectureship or Scholarship in Law; trustees of Ralston Estate, £100, for Infantile Eczema res.; Commonwealth Bank, £2000, for res. in Bot. and Econ.; £500, from an anonymous source for general purposes.

BUILDINGS. Four houses purchased for use as staff residences.

NEW COURSES. Courses in Philos. revised: Philos. I, Ethics, History of Philos. and Metaphysics now available. Additional course in Psychol. (Psychol. IIIA) instituted.

CHANGES IN REGULATIONS. University Act amended (*a*) to authorize Univ. to borrow on overdraft or from Treasury up to £A10,000; (*b*) to give power to borrow on security of real property—for purpose of staff housing. Statutes of Degree Examns. and of Assoc. Members of Senate repealed. B.A. Rules amended to allow 3 Law subjects to count as a 3-yr. course, thus allowing Law grads. to complete B.A. with 1 yr.'s further study.

FEES. Rising costs made necessary 70 per cent. increase in lecture and other fees.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. L. A. Triebel, Camb. (Mod. Langs.).

STUDENT NUMBERS.

| | *Part Course** | *Full Course* | *External* |
|---|---|---|---|
| Men | 136 | 247 | 51 |
| Women | 38 | 83 | 9 |
| Total | 174 | 330 | 60 |

Postgraduate students, 45.

New admissions, 161.

Students from other countries, 36. (Countries from which largest numbers came: Federation of Malaya, 25; Fiji, 4; India, 4.)

DEGREES AWARDED. *Arts*: B.A., 30; B.A. (Hons.), 9; M.A. (*ad eundem gradum*), 1; *Comm.*: B.Com., 9; B.Ec., 1; B.Ec. (Hons.), 1; *Engin.*: B.E., 3; B.E. (Hons.), 4; *Law*: LL.B., 4; *Sci.*: B.Sc., 14; B.For., 3; B.Sc. (Hons.), 16; B.Sc. (App.) (Hons.), 1; M.Sc., 1; Ph.D., 1; D.Sc., 1. *Total number of first degrees awarded*, 78.

DIPLOMAS AND CERTIFICATES AWARDED. Dip.Ed., 13; Dip.Pub.Ad., 1; Cert.Ed., 7.

* Part-course students are those who are enrolled for less than what is considered a full year's work. In the majority of cases, but not in all, such students are part-time. On the other hand, some full-course students, being engaged in regular employment, are enrolled on a part-time basis.

[*Information compiled as at* 15/5/53].

# THE UNIVERSITY OF WESTERN AUSTRALIA*

Founded 1911

*Postal Address*: Nedlands, Western Australia.
*Telephone*: Perth WM2481 (13 lines).

VISITOR—H.E. THE GOVERNOR, Lt.-Gen. Sir CHARLES H. GAIRDNER, K.C.M.G., C.B., C.B.E.

CHANCELLOR—E. W. GILLETT, B.A., LL.B.

PRO-CHANCELLOR—A. J. REID, C.M.G., I.S.O., B.A.

VICE-CHANCELLOR—S. L. PRESCOTT, M.Sc. Manc.

WARDEN OF CONVOCATION—P. J. BARBLETT, B.A., LL.B.

REGISTRAR—C. SANDERS, Ph.D. Lond., M.A., Dip.Ed., F.B.Ps.S.

ACCOUNTANT—R. M. FLETCHER.

LIBRARIAN—M. EVALYN WOOD, M.A.

## TEACHING STAFF

*Agriculture*

Underwood, E. J., Ph.D. Camb., B.Sc. (Agric.)
Dean, Fac. of Agric., Chairman, Professorial Board, and Prof.

Readers

Stewart, A. M., B.Sc. (Agric.).
Millington, A. J., M.Sc. (Agric.).
Moir, R. J., B.Sc. (Agric.) Sr. Lectr.

Lecturers

Drover, D. P., B.Sc. Syd.
Scutt, P. B., M.Sc. Melb. (Biochem.) (on leave).
Jitts, Audrey, B.Sc. Syd. (Biochem.).

Research Officers

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.
Schapper, H. P., M.Comm. N.Z.
Ozanne, P. G., B.Sc. (Agric.).
Poutsma, T. J., B.Sc. (Agric.).
Pym, L. M., B.Sc. (Agric.).
Stenhouse, N. S., B.Sc.
3 Pt.-time Lectrs., 2 Tech. Assts.

*Anatomy*

Cato, R. J., M.B., B.S. Melb., F.R.C.S. Ed. Lectr.
Pearson, A. T., M.B., B.S. Melb. Lectr.

*Biochemistry*, v. Agric.

*Botany*

Grieve, B. J., M.Sc. Melb., Ph.D. Lond., F.L.S. Reader, Hd. of Dept.
Brittan, N. H., B.Sc., Ph.D. Durh. Sr. Lectr.
Baird, Alison M., M.Sc. Lectr.
Smith, G. G., M.Sc. Lectr.
Speck, N. H., B.A. Res. Officer.
2 Pt.-time Lectrs., 1 Tech. Asst.

*Chemistry*

Bayliss, N. S., B.A. Oxon., B.Sc. Melb., Ph.D. Calif. Prof.

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

*Chemistry, Organic*

White, D. E., M.Sc. Syd., D.Phil. Oxon.
Reader and Hd. of Dept.

Miller, J., B.Sc., Ph.D. Lond.
Sr. Lectr.

Research Officers

Cole, A. R., B.Sc., D.Phil. Oxon.
Bradbury, R. B., M.Sc.
Koch, D. F., B.Sc.
Sullivan, C. J., M.Sc.
2 Grad. Assts., 2 Tech. Assts.

*Chemistry, Physical and Inorganic*

Elliott, G. A., M.Sc., Ph.D. Lond.
Sr. Lectr.

Stokes, R. H., D.Sc. N.Z., Ph.D. Camb. Sr. Lectr.

Levien, Barbara J., M.Sc. N.Z.
Lectr.

*Classics and Ancient Hist.*

Austin, M. N., M.A. Oxon. Prof.

Kelly, Islay, M.A. Oxon., B.A.
Lectr.

*Dental Science*

Sutherland, K. J. G., M.B., B.S., B.D.Sc. Melb. Prof.

Reader

Taylor, R. L., M.D.Sc. Syd. (Prosth.).

Senior Lecturers

Brinsden, G. I., B.D.Sc. Melb. (Operative Dent.).
Jitts, J., B.D.Sc. Syd. (Prosth.).
Richardson, B., B.D.Sc. Melb. (Operative Dent.).

Lecturers

Campbell, R., B.D.Sc. Melb. (Orthodontia).
Cohen, M. B., B.S. Melb. (Pathol.).
Cumpston, L. G. B., M.B., B.S. Melb. (Anæsthesia).
Fergusson-Stewart, V. A., M.B., B.S. Adel. (Bacteriol. and Pathol.).
Henderson, G. D. (Oral. Surg.).
McGibbon, J. F. S. (Dent. Surg.).
Robinson, A. R., B.Sc., M.D. Syd., M.S. Melb., F.R.A.C.S. (Surg.).
Thorburn, I. O., M.D. Melb. (Physiol. & Med.).
Watson, E. M., Ph.D. Lond. (Dent. Mat. Med.).
1 Tech. Asst., 1 Photographer.

*Economics*

Mauldon, F. R. E., B.A., M.Ec. Syd., Litt.D. Melb. Prof.

Senior Lecturers

Dowsett, W. T., M.Ec. Syd.
Harris, Merab, M.A., Ph.D. Lond.

Lecturers

Cook, A., B.A.
Gentilli, J., D.Sc. Venice.
Kerr, A. McB., M.A., B.Sc. (Econ.), Lond.
Oxnam, D. W., M.A. N.Z. (on leave).
9 Pt.-time Tutors.

*Education*

Cameron, R. G., M.A. Syd.
Dean, Fac. of Educn., Prof.

Wheeler, D. K., Ph.D. Lond., Dip. Ed. Sr. Lectr.

Priest, T. A., B.A. N.Z., Ed.B. Glas. Lectr.

Gray, R. K., B.Sc. (P.E.) McG., M.A. N.Y. (Phys. Educn.)
Sr. Lectr.

Howe, Evelyn, B.A. Tas., Dip.Phys.Ed. Melb. (Phys. Educn.) Lectr.

Merrilees, D., B.Sc. Syd. (Gen. Sci.) Sr. Lectr.

Callaway, F., Mus.Bac. Otago, F.T.C.L. (Music) Reader.

18 Pt.-time Lectrs., 2 Pt.-time Tutors.

*Engineering*

Civil Engineering

Cooper, K. L., B.Sc. W.Aust., M.A., B.Sc. Oxon. Prof.

Espie, J. R., B.E.
Dean, Fac. of Engin. (Hydraulics), Sr. Lectr.

Townsend, W. G., B.E.
Sr. Lectr. and Testing Officer.
Hill, G. B., D.Phil. Oxon., B.E.
Sr. Lectr.
Hondros, G., B.E. Lectr.
Silvester, R., B.E. (Hydraulics)
Lectr.
Spigl, H. S., B.A., B.Surv., F.R.A.S. (Surveying) Lectr.

Electrical Engineering

Taplin, K. W., B.E.
Reader, Hd. of Dept.
Bundell, J. H., B.E. Lectr.
Fall, J. V., B.E. Lectr.

Mechanical Engineering

Downs, B., M.Eng. Liv.
Reader, Hd. of Dept.
Lutz, G. G., B.E. Sr. Lectr.
Minchin, R. S., B.E. Lectr.
2 Tech. Assts.

*English*

Edwards, W. A., M.A. Camb.
Prof.
King, A., M.A. Oxon. Reader.
Burrows, L. R., M.A. Sheff.
Sr. Lectr.

Lecturers

Bradley, D., B.A. Melb. (on leave).
Tweedie, Jean, M.A. Melb.
Watson-Williams, Helen B., B.A. Oxon.
2 Pt.-time Lectrs., 2 Grad. Assts., 2 Pt.-time Tutors.

*French*

Tauman, L., L. ès L., D. de l'U. Aix, D. ès L. Paris
Sr. Lectr., Hd. of Dept.

Lecturers

Morrow, Christine, B.A., D.U.T.
Randall, Jean, M.A., Dip.Ed. Melb.

*Geology*

Prider, R. T., B.Sc., Ph.D. Camb., F.G.S. Prof.
Wilson, A. F., M.Sc. Adel., F.G.S. Sr. Lectr.
Fairbridge, R. W., B.A. Qu., B.Sc. Oxon., D.Sc., F.G.S. Lectr.
Singleton, O. P., M.Sc. Melb.
Lectr.
1 Tech. Asst., 1 Grad. Asst.

*German*

Benn, M. B., M.A. Lond.
Sr. Lectr.
Pollak, H., Ph.D. Vienna Lectr.

*History*

Alexander, F., M.A. Melb. and Oxon.
Dean, Fac. of Arts, and Prof.
Crowley, F. K., M.A., Ph.D. Melb., D.Phil. Oxon., F.S.S.
Lectr.
Legge, J. D., M.A. Melb. Lectr.
Reynolds, J. H., B.A. Adel., M.A. Oxon. Lectr.
1 Pt.-time Tutor.

*Italian*

Vanzetti, F. 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.

Lecturers

Burt, F. T. P., LL.M. (Law of Contract).
Jones, R. E., LL.B. (Equity).
Medcalf, I. G., LL.B. (Real Property).
Reilly, H. V., B.A., LL.B. (Pract. & Proced.).
Toohey, J. L., LL.B. (Real Property).
Wilson, R. D., LL.B. (Mercantile Law).
Wright, G. D., LL.B. (Company Law).

*Mathematics*

Blakers, A. L., M.A., Ph.D. Prin., B.Sc. Prof.
Gamblen, F., M.A. Camb., M.Sc., Dip.Ed. Sr. Lectr.
Storer, R., B.A., B.Sc., Dip.Ed. Sr. Lectr.
Gani, J., B.Sc., D.I.C. Lectr.
1 Grad. Asst., 1 Pt.-time Tutor.

*Philosophy*

Fox, A. C., M.A. Syd. (on leave) Prof.
Grave, S. A., M.A. N.Z. Sr. Lectr.
McCloskey, H. J., M.A., Ph.D. Melb. Lectr.
1 Pt.-time Tutor.

*Physics*

Birkett Clews, C. J., B.Sc., Ph.D. Lond. Prof.
Shearer, J., B.A., M.Sc. Melb., F.I.P. (Exper. Phys.) Reader.
Williams, S. E., M.Sc. Syd., Ph.D. Brist., F.R.A.S. Sr. Lectr.
Jeffery, P. M., B.Sc. Lectr.
Swan, J. B., M.Sc. Melb. Lectr.
Lucas, L. N. D., M.Sc., Ph.D. Lond. Lectr.
1 Tech. Asst., 1 Grad. Asst.

*Physiology*

Crosby, N. D., M.D. Adel. Reader and Hd. of Dept.
1 Grad. Asst.

*Psychology*

Walker, K. F., M.A. Syd. and Harv., Dip.Anthropol. Syd. Prof.
Marshall, A. J., B.A., Ph.D. Lond., F.B.Ps.S. Reader.
Morey, Elwyn A., Ph.D. Calif., M.A., B.Ed. Melb. Sr. Lectr.
Taft, R., B.A. Melb., M.A. Col., Ph.D. Calif. Sr. Lectr.
2 Grad. Assts., 1 Tech. Asst.

*Zoology*

Waring, H., M.Sc. Liv., D.Sc. Aberd. Dean, Fac. of Sci., and Prof.
Hodgkin, E. P., B.Sc. Manc., D.Sc., F.R.E.S. Reader.
Kirk, R. L., M.Sc. Birm. Sr. Lectr.

Lecturers

Main, A. R., B.Sc.
Finch, Mary E., B.Sc.

Research Officers

Chittleborough, G., B.Sc.
George, R. W., B.Sc.
Ketterer, B., B.Sc.
Malcolm, B., B.Sc.
Sharman, G., B.Sc. Tas.
Sheard, K., M.Sc. (also Lectr. in Oceanog.).
3 Grad. Assts., 2 Tech. Assts.

## ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar: A. J. Williams, B.A., Dip.Ed.; Guidance and Appts. Officer: G. Y. D. Scarlett, B.A. Syd.; Sub-Accountant: W. Meiklejohn; Sr. Admin. Assts.: L. A. W. Richards, also Clerk of Convocation; F. J. Malone; Enid M. Keen; Admin. Assts.: K. V. Benwell, W. A. Haywood, R. M. McLeish, J. G. Bailey.

LIBRARY. Asst. Librarian: Edith M. Child, B.A. Assts.: H. Kathleen Edmiston, B.A.; Natalie E. Pianta, B.A.; Natalie Sugden, B.A.; Anthea Williamson, B.A.

ADULT EDUCATION. Dir.: Prof. F. Alexander. Asst. Dir.: J. Birman. Tutor-Organizer (country): F. Ponton, M.A. N.Z. Sec.: B. Newton.

UNIVERSITY BOOK SHOP. Manager and Sec. of Text-Books Board: F. H. Beaumont.

## RESIDENTIAL COLLEGES

ST. GEORGE'S COLLEGE. (*Telephone*: WM2481.) Affiliated to the University, admits men students. Warden—J. H. Reynolds, M.A. Adel. and Oxon.

WOMEN'S COLLEGE (at present in temporary quarters). (*Telephone*: WM2877.) Honorary Warden—M. Evalyn Wood, M.A.

UNIVERSITY HOSTEL (men). (*Telephone*: WM2876.) Manager—A. Haye.

## AFFILIATED SCHOOLS

PERTH TECHNICAL COLLEGE, St. George's Tce., Perth. (*Telephone*: B7158.) SCHOOL OF MINES, Kalgoorlie, W.A. (*Telephone*: Kalgoorlie 80.) AGRICULTURAL COLLEGE, Muresk, W.A. (*Telephone*: Northam 341.) WESTERN AUSTRALIAN COLLEGE OF DENTAL SCIENCE, Wellington St., Perth. (*Telephone*: B9631.) STATE TEACHERS' COLLEGE, Claremont, W.A. (*Telephone*: F2154.)

## GENERAL INFORMATION

Established by Act of the State Legislature in 1911, the University opened its first session in 1913. Its present site of 165 acres is at Crawley-Nedlands on a bay of the Swan estuary about 4 miles from Perth. On the site are extensive playing fields and two open-air theatres. The main University buildings, including Winthrop Hall, the student block, the Arts lecture-rooms and the Library, were made possible by a bequest of £A425,000 of Sir J. Winthrop Hackett, the first Chancellor of the Univ., and to-day are known as the Hackett Memorial Buildings. A further amount of £A140,000 bequeathed for the purpose to the Church of England, led to the establishment of St. George's Coll.

A building and re-equipment programme of £A350,000 has been carried out since the war, and large-scale bldg. developments, including the establishment of a Medical School, are contemplated in the near future.

The University at present receives a statutory annual grant from the State Government and additional annual appropriations for current revenue from the same source. The total State grant in 1952 was approx. £A260,000 and a grant of approx. £A86,000 was received from the Commonwealth Govt. Total expenditure on all activities, including Public Examns. and Adult Educn., was £A420,000. An amount of £A60,000 from various sources was devoted to research.

The administration is vested in a Senate of 21 members, of whom six are nominated by the Government and seven are *ex-officio* or co-opted members. A second body with mainly elective and revisionary functions is known as Convocation. Convocation elects 6 members of the Senate. The teaching staff elects 2 members.

LABORATORIES. Agric., Anat., Bot., Chem., Dent., Geol., Engin., Phys., Physiol., Psych., Zool. MUSEUMS. Agric., Bot., Geol., Zool.

LIBRARY. Total volumes, 102,000. Accessions during 1951, 7354.

FACULTIES AND DEANS. *Agriculture*, Prof. E. J. Underwood; *Arts*, Prof. F. Alexander; *Dent. Sci.*, G. I. Brinsden (actg.); *Educn.*, Prof. R. G. Cameron; *Engin.*, J. R. Espie; *Law*, Prof. F. R. Beasley; *Science*, Prof. H. Waring.

DEGREE COURSES. 3 yrs.—B.A., B.Sc.; 4 yrs.—B.A. (Hons.), LL.B., B.Ed., B.Sc. (Hons.), B.Sc. (Agric.); 5 yrs.—B.D.Sc., B.Sc. (Agric.) (Hons.) and B.E. First-year Medicine is given as a course of Fac. of Sci. The years of study mentioned are the minimum for full-time students. In Arts and Educn. there are pt.-time students who take at least two yrs. longer.

HIGHER DEGREES. M.A., M.Ed., D.Litt., M.Sc., D.Sc., D.D.Sc., M.E., D.Eng., LL.M., LL.D. and Ph.D. In Arts and Sci. a Master's degree cannot be obtained in less than 5 yrs. from matricn. All higher degrees involve research. To proceed to a Master's degree a student must graduate with Hons. or pass an Hons. examn. Doctorates usually require not less than 7 yrs. from matricn. and are awarded only when the work represents a definite contribution to knowledge. In general, the work should have been published.

EVENING OR LATE AFTERNOON CLASSES are held in the Facs. of Arts and of Educn. only, but certain Science and Engin. classes may be taken in the evenings at affiliated Colls.

FEES. Matricn., no fee. *Ad eundem statum*, £1 : 1s. Admission to Degrees : Bachelors, £3 ; Masters, £5 ; Doctors, £10. No lecture fees are charged, but there is a fac. service charge varying in amount up to £27 p.a. approx., covering examn. fees, use of lab. equipment, hire of microscopes, loan of books from library, etc. Library deposit of £2 also charged.

Students coming from overseas and neither normally nor likely to become permanently resident in Australia are charged an annual inclusive fee of £A50. 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., £A38 ; 2nd, 3rd and 4th yrs., £A75 p.a. ; 5th yr., £A50.

RESIDENCE. University Hostel (accomm. for 120 men). A separate portion of the Hostel has been set aside for women and is now temporarily conducted as a Women's Coll. Accomm. for 60 women. (*See under* "Residential Colleges," *above*.) Fee : about £A4 : 4s. per week. Enquiries regarding the Men's Hostel should be addressed to the Manager. St. George's Coll. (*see above*) provides accomm. for 90 men students at a cost of approx. £A150 p.a.

EXTERNAL TUITION. Exemption from attendance at classes is allowed to students who are resident in Western Australia but live outside the metropolitan area of Perth. Correspondence tuition is provided for such students and there is a circulating library of essential text and reference books. In a few special cases, students who have been enrolled in the Univ. and have transferred to other States, are permitted to remain enrolled under the external tuition scheme. External enrolment is not permitted outside Australia and is allowed only in non-laboratory subjects. 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. *See* Appendix I.

PUBLIC EXAMINATIONS. School Certifs. (Jr. and Leaving), Music and Art of Speech. School Certif. Examns. held annually in Nov. ; practical examns. in Music and Art of Speech in May and between Aug. and Dec. *See also* Appendix I.

ADULT EDUCATION. Adult Educn. work is controlled by the Univ. Adult Educn. Bd., which has its headquarters and library in Chancery 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. Annual expenditure £A30,000 approx.

STUDENT ORGANIZATION. The student organization is known as the Guild of Undergraduates and the student bldg. which forms part of the Hackett Memorial bldgs. is known as Hackett Hall. Annual subscription to the Guild

is £A4 : 18s., but in first yr. students pay an extra £A1 : 1ş. registration fee. Pt.-time students pay a proportionate fee.

ATHLETIC ACTIVITIES, ETC. The Univ. grounds contain 3 main sporting ovals as well as grass tennis courts, hockey and basket-ball grounds. There are 2 open-air theatres—the Somerville Auditorium seating 2000 and the Sunken Garden seating 400—for concerts and drama. The lawns are also used, during the annual Summer School, for folk-dancing. The Univ. is situated beside the Swan river and aquatic sports, including rowing, are popular.

ARMY AND AIR FORCE UNITS. There is a Univ. regiment and an Air Force unit.

PUBLICATIONS. *Calendar*, published for local and exchange purposes and not for sale ; a shortened edition called the *Handbook* is sold for 5s. ; *Orientation Handbook*, free to new students ; *University Gazette*, limited distribution free ; *Public Examn. Manual*, 5s. 6d. ; the *Pelican* (student newspaper). The Science Union is responsible for an annual magazine, *Scope*. Individual publicns. are undertaken by Univ. Text-Books Bd., which controls the Univ. Bookshop and acts as a publishing organization. The Univ. has a Publications Cttee. which also sponsors publicns. The *Annual Law Review* and the *Educand* are published under the auspices of the Cttee. Recently the Cttee. has been responsible for the publication of the *Inaugural Addresses* of newly appointed profs.

## THE YEAR 1952

BENEFACTIONS. Donors during the year included the Commonwealth Bank of Australia (£A3000), the Carnegie Institution, Washington (£A3000), the Medical Research Council (£A1500), and various donors to the projected Medical School (£A5500). A considerable number of donations of equipment and books were also made.

NEW BUILDINGS. Alterations and extensions to Law Sch. and to Depts. of Geol., Bot. and Zool. ; the Univ. continued bldg. houses for its staff.

NEW POSTS, ETC. Positions filled included Vice-Chancellorship ; Chair of Civil Engin. ; Chair of Dent. Sci. ; 5 Readerships : Agric., Agron., Engl., Music, Physiol. ; Sr. Lectureship in Agric. ; 4 Lectureships : Philos., Maths., Phys. Educn., Engl.

ADULT EDUCATION. The Adult Educn. Bd. conducted many activities in 1952 in country centres and the metropolitan area. Its expenditure was over £A30,000 during the year. In addition to classes, public lectures, Box Discussion Group Schemes and Library activities, the Bd. conducted a country festival of music, music recitals in the metropolitan area of Perth, ballet performances and a large no. of dance recitals, presentations of drama and film screenings. The Bd.'s Annual Summer Sch. at the Univ. took place in Jan., attended by 267 people.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. T. Gislen, Lund ; Prof. E. Percival of Canterbury U.C. ; Sir W. Slater ; H. Chauncey, Educational Testing Service, Prin. ; E. T. Williams, Warden of Rhodes House ; Miss Fanny Cohen, Syd. Univ. ; Prof. J. M. Holmes, Syd. ; Prof. H. Behymer, W. Virginia ; Prof. E. A. Guggenheim, R'dg. ; Prof. T. O. H. Jones, Q'ld. ; Dr. R. T. Hutcheson, Glas. ; Sir Edward V. Appleton, Edin. ; Prof. C. K. M. Kluckhohn, Harv. ; Prof. D. McLean, C.U.A. ; Dr. T. S. Stevens, Sheff. ; Sir John Medley, late Vice-Chancellor, Melb. ; Dr. G. Bourne, Lond. ; Prof. W. E. Le G. Clark, Oxon. ; Prof. C. H. Best, Tor. ; Viscount Bruce,

Chancellor of A.N.U.; W. G. Emmett, Edin.; Assoc. Prof. P. Sharp, Iowa; Prof. J. A .Moore, Col.; Prof. G. W. Paton, Vice-Chancellor, Melb.; Sir John Behan, late Warden of Trinity Coll., Melb.; Prof. F. F. McKenzie, Oregon State Coll., U.S.A.; Prof. G. A. Bartholomew, Calif.

RESIGNATIONS. Dr. G. A. Currie, Vice-Chancellor, apptd. Vice-Chanc. of Univ. of N.Z.; Prof. H. G. Radden, apptd. Hd. of Turner Dental Sch., Manc.

RETIREMENT. Prof. A. D. Ross, last of the original professors of the Univ.

DEATH. Prof. O. F. Blakey, Prof. of Civil Engin., after 25 yrs.' service.

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* |
|---|---|---|
| Men | 498 | 792 |
| Women | 150 | 244 |
| Total | 648 | 1036 |

Postgraduate students, 107.
New admissions, 420.
External students, 200, classified as pt.-time.

DEGREES AWARDED. B.Sc. (Agric.), 23; D.Sc. (Agric.), 2; B.A., 85; M.A., 2; B.D.Sc., 12; B.Ed., 8; B.E., 49; B.Sc. (Eng.), 5; LL.B., 12; D.Litt., 1; B.Sc. (For.), 2; B.Sc., 56; M.Sc., 8; M.E., 1.

DIPLOMAS AWARDED. Dip.Ed., 4.

* Almost all pt.-time students are in the Facs. of Arts and Educn. Some pt.-time students in Sci. study at affiliated institutions such as the Perth Tech. Coll.

# CANBERRA UNIVERSITY COLLEGE*

Founded 1930

*Postal Address*: P.O. Box 197, Canberra City, A.C.T., Australia.
*Telegrams*: Unicol, Canberra.
*Telephone*: Canberra—J1811 (5 lines).

CHAIRMAN OF THE COUNCIL—Sir ROBERT RANDOLPH GARRAN, G.C.M.G., Q.C., M.A., LL.D. Melb. and A.N.U.

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.
4 Pt.-time Lectrs.

*Economics and Commerce*

Arndt, H. W., M.A., B.Litt. Oxon. Prof.
Cameron, B. D., Ph.D. Camb., M.Ec. Syd. Sr. Lectr.
Barback, R. H., B.Sc. (Econ.) Lond. Lectr.
Davidson, F. G., M.A. Camb. Lectr.
Long, Frances, B.A. Tas. Res. Asst.
6 Pt.-time Lectrs.

*English*

Hope, A. D., B.A. Syd. and Oxon. Prof.
Todd, F. M., M.A. N.Z., Ph.D. Lond. Lectr.
Brissenden, R. F., B.A. Syd. Lectr.

*History*

Clark, C. M. H., M.A. Melb. Prof.
Baker, D. W. A., B.A. Melb. Lectr.
Gardiner, L. R., B.A. Brist. Lectr.
Thomson, Ailsa G., M.A. Melb. Res. Asst.

*Law*

Fleming, J. G., M.A., D.Phil. Oxon. Sr. Lectr.
Goldie, L. F. E., LL.B. W.Aust. and Syd. Lectr.
4 Pt.-time Lectrs.

*Mathematics*

Greenhalgh, H., M.A. Q'ld. Pt.-time Lectr.

*Modern Languages*

Scales, D. P., B.A. Syd., D. de l'U. Paris (French) Prof.
Koch-Emmery, E. K. T., M.A. Adel., Ph.D. Vienna (German) Sr. Lectr.
1 Pt.-time Lectr., 2 Pt.-time Tutors.

*Oriental Languages* [Prof.
Bielenstein, H., fil. lic. Stockholm
3 Pt.-time Lectrs., 2 Pt.-time Tutors.

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

*Pacific Studies*

Moore, T. I., B.A. Syd., M.A. Oxon. Sr. Lectr.

*Philosophy*

Gibson, Q. B., B.A. Melb., M.A. Oxon. Sr. Lectr.
Donagan, A. H., M.A. Melb., B.Phil. Oxon. (on leave) Lectr.
Benjamin, B. S., B.A. Melb., B.Phil. Oxon. Temp. Lectr.

*Political Science*

Crisp, L. F., M.A. Oxon. and Adel. Prof.
Beddie, B. D., B.A. Syd. Lectr.
Thompson, K. W., M.A. Melb. Temp. Lectr.
1 Pt.-time Lectr.

*Psychology*

Pentony, P., M.A. W.Aust. [Sr. Lectr.
Seagrim, G. N., B.A. Lond. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Registrar's Asst.: T. J. Keith. Admin. Asst. to Registrar: D. W. K. Webster, B.A. Syd. Clerical Officer (Accounts): P. W. Brett. Sec. to Registrar: Helen Y. Sewell.

LIBRARY. Asst. Librarian: Dorothy M. Leaper, B.A. Melb.

## 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 1951 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) Subject to the provisions of Regulation LVI, and to such standing resolutions of the Professorial Board as may apply in the case of persons holding full-time University appointments the Canberra University College shall be recognized as a part of the University of Melbourne for the purpose of accepting any full-time member of the teaching staff of the College as a candidate for the Ph.D. degree. (3) 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. (4) 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. (5) This Temporary Regulation shall remain in force until the 31st December 1953."

The University College is financed by an annual grant from the Commonwealth Government, and fees received from students. The grant for 1952–53 was £73,620.

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. A new Ordinance is being made which will provide for an enlarged Council including representation of academic staff and grads.

LIBRARY. 12,000 vols.

ADMISSION. *See* Appendix I.

FIRST DEGREES AND DEGREE COURSES (of Univ. of Melbourne). 3 yrs., B.A. Pass (4th yr. for Hons.), LL.B. (Pass or Hons.), B.Com. Pass (4th yr. for Hons.).

HIGHER DEGREES (of Univ. of Melb.). M.A., LL.M., M.Com.

DIPLOMA COURSE (of Univ. of Melbourne). Pub. Admin.

OTHER COURSES. Diplomatic Studies, principally for External Affairs Cadets who must be Univ. graduates; other graduates may be admitted. Oriental Languages.

FEES (other than those charged by the University for matriculation, examinations, etc.). Degree and Diploma Courses, £13 : 10s. for each subject.

ADULT EDUCATION. Persons, whether matriculated or not, may, at the discretion of the hd. of the dept. concerned, be admitted to ordinary lectures at a fee of £3 : 3s. p.a. which does not admit to examn.

ACADEMIC YEAR. March to Dec. 3 teaching terms of 10, 9 and 6 weeks and examn. term.

STUDENT RESIDENCE. Accomm. is available for students in lodgings, admission to which is controlled by the Coll. Fees £5 : 2s. p.w.

PUBLICATIONS. *Calendar* (Jan.), 2s.; *Gazette* (Quarterly); *Prometheus* (Students' Magazine) (annually), 3s.; *Woroni*, fortnightly each term; *Commonwealth Literary Fund Lectures*; *Annual Commencement Address*; *Annual Report*.

## THE YEAR 1952

NEW DEPARTMENTS AND POSTS. Chair of Mod. Langs., Chair of Oriental Langs. Additional lectureship in Psychol.

RETIREMENT. J. F. M. Haydon (Mod. Langs.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 239 | 9 |
| Women | 42 | 4 |
| Total | 281 | 13 |

Postgraduate students, 13.
New admissions, 108.
Students from other countries, 5 (from Pakistan, Ceylon, U.S.A.).

DEGREES AWARDED. B.A., 9; M.A., 1; B.Com., 19.

DIPLOMAS AWARDED. Dip.Com., 3.

# NEW ZEALAND

UNIVERSITY OF NEW ZEALAND (p. 1035)
UNIVERSITY OF OTAGO (p. 1039)
CANTERBURY UNIVERSITY COLLEGE (p. 1050)
AUCKLAND UNIVERSITY COLLEGE (p. 1056)
VICTORIA UNIVERSITY COLLEGE (p. 1061)
CANTERBURY AGRICULTURAL COLLEGE (p. 1065)
MASSEY AGRICULTURAL COLLEGE (p. 1069)

[*Information compiled as at* 18/6/53.]

# UNIVERSITY OF NEW ZEALAND*

Founded 1870

Corner Bowen and Mowbray Streets, Wellington.

*Postal Address*: P.O. Box 8035, Govt. Buildings, Wellington, C.1, New Zealand.
*Telegrams*: Aude, Wellington, New Zealand.
*Telephone*: Wellington 43415.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—The Hon. Sir DAVID STANLEY SMITH, Hon. D.C.L. Oxon., LL.M.

PRO-CHANCELLOR—LEONARD JOHN WILD, C.B.E., M.A., B.Sc.

VICE-CHANCELLOR—GEORGE ALEXANDER CURRIE, B.Sc. (Agric.), D.Sc., Hon. LL.D. Aberd., Hon. Litt.D. W.Aust.

REGISTRAR—IAN FRASER MCKENZIE, M.A., B.Com.

AGENT IN ENGLAND (FINANCIAL)—THE HIGH COMMISSIONER FOR NEW ZEALAND, 415 The Strand, London, W.C.2. (ACADEMIC)—Prof. R. O. BUCHANAN, B.Sc. (Econ.), Ph.D. Lond., M.A., London School of Economics.

ASSISTANT REGISTRAR—E. G. KEDGLEY, B.A., B.Com.

## CONSTITUENT COLLEGES

UNIVERSITY OF OTAGO, DUNEDIN (v. p. 1039); CANTERBURY UNIVERSITY COLLEGE, CHRISTCHURCH (v. p. 1050); AUCKLAND UNIVERSITY COLLEGE (v. p. 1056); VICTORIA UNIVERSITY COLLEGE, WELLINGTON (v. p. 1061).

## ASSOCIATED COLLEGES

CANTERBURY AGRICULTURAL COLLEGE, LINCOLN (v. p. 1065); MASSEY AGRICULTURAL COLLEGE, PALMERSTON NORTH (v. p. 1069).

## 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.

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

The government of the Univ. is vested in the Senate, advised on academic matters by the Academic Board, which represents the Professorial Boards of the six Colleges, and on entrance matters and legal education by the Entrance Board and the Council of Legal Education. The Senate consists of a Chancellor, Pro-Chancellor and Vice-Chancellor, 4 members nominated by the Governor-General, 8 appointed by the governing bodies of the University Colleges, 1 by the School of Agriculture, 1 by the Senate, 5 by Convocation, 3 by the Academic Board, the Academic Heads of the constituent Colleges and the Director of Education.

In the early days, when only undergraduate work was attempted, the function of the Univ. was 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. The principal examn. qualifying for matricn. is the Entrance Examn. held in Dec., when the candidate is required to pass in English and in 3 other subjects selected from appropriate groups of subjects. For certain of the professional courses, candidates are recommended to include certain suitable subjects in their Entrance qualificn. The Entrance qualificn. may be granted alternatively on the basis of the Univ. Entrance Scholps. Examn., for which 5 subjects are required at a standard from 1 to 2 yrs. in advance of the Entrance Examn.

Thirdly, special provision is made for the admission to certain courses of students who have reached the age of 21 yrs. and who give evidence of some reasonable educational background though they have not passed the Entrance Examn. This admission is later confirmed on results gained.

Students from overseas are admitted at the discretion of a Cttee. of the Senate if they have passed an approved Entrance Examn. in a Univ. overseas, or if they have passed such an examn. at a standard which appears to the Cttee. to be the standard of Univ. Entrance in New Zealand.

Under present regulns. the Entrance Examn. is no longer in any way related to the School Certif. Examn. in New Zealand, that examn. normally being taken at least a yr. before the candidate takes the Entrance Examn.

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.Mus. (Hons.), 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.E. (Hons.), B.D.S.; 6 yrs.—M.B., Ch.B., B.Med.Sc.

HIGHER DEGREES. For Masters' degrees, *i.e.* M.A., M.Sc., M.Com., LL.M., M.H.Sc., M.Agr.Sc., M.Med.Sc., 1 or 2 yrs. of study beyond the Bachelor's degree is required, with examns. and thesis; for Doctors' degrees (except M.D., Ch.M.), *i.e.* Litt.D., LL.D., D.Sc., Mus.D., D.D.S., 5 yrs.' standing as Master, and an approved thesis; for M.D., Ch.M., 3 yrs.' standing, with approved thesis and examns.; for Ph.D., 2 yrs.' standing, with approved thesis and examn.

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; Postgrad. Med. at Auckland.

"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 various subjects of the B.A., B.Sc., LL.B., Mus.B. or B.Com. syllabus and in Med., Dent., Engin., Agric., Archit. and Home. Sci.—£90; Travelling Scholps. in Arts, Sci., Law, Comm.—£400 (2 yrs.); in Engin., Dent., Archit. and Med.—£300-£400 (2 yrs.); Macmillan Brown Res. Scholp. in Agric. (biennial)—£300 (2 yrs. possible). National Res. Scholps., £500 (2 yrs.), are offered annually by D.S.I.R. to Sci. grads. of N.Z. Univ. or other approved persons; Shell Scholps., £750 (2 yrs.); I.C.I. Scholps., £500 (2 yrs.); also Shirtcliffe Fellowship for Res., £300 p.a. for 2 yrs.; Shirtcliffe Res. Scholp., £100 (1 yr.); Shirtcliffe Grad. Bursary, £75 (1 yr.). 2 Fellowships in Educn. Michael Hiatt Baker Scholp. (Univ. of Bristol). About 6 Res. fellowships (£340 p.a.) are awarded annually from the Research Fund, which, from time to time, may make awards of a higher value to sr. workers.

PUBLICATIONS. *Calendar* (Oct.), 3s. (incl. postage); *Minutes of Proceedings of Senate*, free; *Examn. Papers*, 1s. 6d. or 1s. a set; *Research in the Univ.*, 1946–49.

UNIVERSITY PRESS. Established 1947, by a grant from the Senate. Publishes text-books and works of scholarship.

## THE YEAR 1952

The Univ. Grants Cttee. lately established has continued to function with benefit to the Univ. and the Colls., though some alterations in constitution have been discussed and effected.

CHANGES IN REGULATIONS. Minor changes only made in a no. of statutes. Problems of devolution of certain duties from the Senate of the Univ. to the Academic Bd. and the Colls. continued to be discussed.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. C. K. Ingold of Univ. Coll., Lond.

DEATHS. Prof. Sir Thomas Hunter, member of Senate 1912–47 and 1949–50; Vice-Chancellor 1929–47; S. Eichelbaum, member of Senate and Treasurer, 1945–52.

HONORARY DEGREES. *D.Sc.*—E. B. Levy. *LL.D.*—Lord Freyberg.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* | *External* |
|---|---|---|---|
| Men | 3697 | 3576 | 823 |
| Women | 1248 | 1230 | 107 |
| Total | 4945 | 4806 | 930 |

Postgraduate students, 1073.
New admissions, 2410.

DEGREES. B.Agr.Sc., 25; M.Agr.Sc., 14; B.Arch., 3; B.A., 356; M.A., 134; B.Com., 69; M.Com., 3; B.D.S., 43; D.D.S., 2; B.D., 6; B.E., 74; B.H.Sc., 5; M.H.Sc., 2; LL.B., 65; LL.M., 7; M.B., Ch.B., 79; B.Med.Sc., 4; M.D., 2; B.Sc., 168; M.Sc., 75; D.Sc., 2; Mus.B., 14; Ph.D., 4.

# UNIVERSITY OF OTAGO*

Founded 1869

*Postal Address*: P.O. Box 56, Dunedin, New Zealand.
*Telephone*: Dunedin 13-909.

VISITOR—H.E. THE GOVERNOR-GENERAL.

CHANCELLOR—Very Rev. D. C. HERRON, M.C., Hon. D.D. St. And., M.A.

VICE-CHANCELLOR—F. G. SOPER, C.B.E., Ph.D., D.Sc. Wales, F.R.I.C., F.R.S.N.Z., F.N.Z.I.C.

HON. TREASURER—C. V. SMITH, C.B.E.

REGISTRAR—J. W. HAYWARD, B.Com.

LIBRARIAN—F. H. ROGERS, M.A. Brist., F.L.A.

## TEACHING STAFF

*Anthropology*

.....

*Bacteriology*

Hercus, Sir Charles E., D.S.O., O.B.E., M.D., B.D.S., D.P.H., F.R.A.C.P., F.R.A.C.S. Prof.
Watt, M. N., M.B., Ch.B. Sr. Lectr.
Marples, Mrs. Mary J., M.A. Oxon., M.D. Sr. Lectr.
Markham, N. P., D.Phil. Oxon., B.Sc., M.B., Ch.B. Sr. Lectr.
Faine, S., B.Med.Sc., M.B., Ch.B. (on leave) Lectr.
Bacon, D. F., B.Sc. Asst. Lectr.

*Biochemistry*

Edson, N. L., Ph.D. Camb., B.Med.Sc., M.B., Ch.B., F.R.S.N.Z., F.N.Z.I.C. Prof.
Batt, R. D., B.A., D.Phil. Oxon., M.Sc., Ph.D. Lectr.
Crowley, G. M., M.Sc. Asst. Lectr.
Martin, J. K., M.Sc. Asst. Lectr.

*Botany*

Baylis, G. T. S., Ph.D. Lond., M.Sc., D.I.C. Prof.
Harris, G. P., Ph.D. Manc., B.Sc. Lond. Lectr.
Slade, Brenda F., M.Sc. (on leave) Asst. Lectr.
1 Temp. Asst. Lectr.

*Chemistry*

..... 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.
Fyfe, W. S., M.Sc. (on leave).
Campbell, A. D., M.Sc. (on leave).

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

Murray, J., M.Sc.
3 Asst. Lectrs.

*Classics*

Manton, G. R., M.A. Camb. Prof.
Anderson, J K., M.A. Oxon. Lectr.
Hamilton, J. R., M.A. Edin., B.A. Camb. Lectr.
Thornton, Mrs. Agathe H. F., B.A. Camb. and Lond., Ph.D. Edin. Lectr.

*Commerce*

Part-time Lecturers

McIver, L. D., B.Com.
Cowan, T. K., M.Com.
Valentine, J. A., B.Com.
Cowan, F. W., LL.B., B.Com.
Cook, J. P., LL.B.
Sinclair, R. S. M., B.A., M.Com., Dip.Soc.Sc.
Griffiths, W. M., B.Com.
Tilly, H. S. J., B.Com.

*Dentistry*, v. *infra*

*Economics*

Billing, G. C., B.A. Adel., Ph.D. Lond. Dean, Fac. of Commerce, Prof.
Bernardelli, H., D.Ph. Frankfurt Reader.
Blakey, K. A., B.A., M.Sc. Lond. (on leave) Lectr.
1 Asst. Lectr.

*Education*

Mitchell, F. W., M.A., B.Sc. Adel., Ph.D. Lond. Prof.
Seddon, R., Ph.D. Lond., M.A., B.Com. Sr. Lectr.
Campbell, W. J., Ph.D. Lond., M.A., Dip.Ed. Asst. Lectr.
Hill, C. G. N., M.A. Asst. Lectr.
Taylor, Joyce H., M.A. Asst. Lectr.

*English Lang. and Lit.*

Greig, J. Y. T., M.A., D.Litt. Glas. Prof.
Cameron, G. M., M.A. Lond. and N.Z. Sr. Lectr.
Whitaker, M. P., B.A. Oxon. Lectr.
Dalziel, Margaret, M.A. Oxon. and N.Z., D.Phil. Oxon. Lectr.
Trevor, J. Sp. Lectr.
Robertson, R. T., M.A. Asst. Lectr.

*Geography*

Lister, R. G., B.A. Lond. Lectr.-in-charge.
Elliott, Eileen L., B.A. Camb. Lectr.
Dick, R. S., M.Sc. Asst. Lectr.

*Geology*

Odell, N. E., Ph.D. Camb., F.G.S. Prof.
Brown, D. A., Ph.D. Lond., M.Sc., D.I.C., F.G.S. Sr. Lectr.
Coombs, D. S., Ph.D. Camb., M.Sc. Lectr.
Hamilton, D., M.Sc., B.A. Asst. Lectr.

*Hebrew*

Knight, Rev. G. A. F., M.A., B.D. Glas. Lectr.

*History*

Morrell, W. P., D.Phil. Oxon., M.A. Dean, Fac. of Arts and Music, Prof.
Ross, A., M.C. and Bar, Ph.D. Camb., M.A. Sr. Lectr.
Olssen, E. A., M.A. Adel. (Pol. Sci.) Sr. Lectr.
Huehns, Gertrude, B.A., Ph.D. Lond. (on leave) Lectr.
Pocock, J. G. A., Ph.D. Camb., M.A. Lectr.
Parsonson, G. S., M.A. Asst. Lectr.
Penfold, W. J., B.A. Melb. Asst. Lectr.

*Home Science*

Gregory, Elizabeth, Ph.D. Lond., M.H.Sc., F.N.Z.I.C. Dean, Fac. of Home Sci. and Prof.

Senior Lecturers

Bowbyes, Avice M., B.S., A.M. Col., Dip.H.Sc. (Clothing).
Thomson, Helen M. S., Ph.D. Leeds, M.H.Sc. (Chem.).
Jackson, Phyllis R., M.H.Sc., Dip.Ed. (Methods of Teaching).
Gray, Eleanor M., M.S. Iowa, B.H.Sc., Dip.Ed. (Foods).
Murphy, J. E. P., Slade Dip. (Design and Craft) (on leave).

Lecturers

Macfarlane, Catherine E., B.H.Sc. (Institutional Management).
..... (Nutrition).

Assistant Lecturers

Batham, Esperance I., M.H.Sc. (Chem.).
Swindells, Yola E., M.H.Sc. (Chem.).
Domigan, Ngaire, B.H.Sc. (Clothing) (on leave).
Griffith, Valmai M., M.H.Sc. (Foods).
Robertshawe, Virginia M., B.H.Sc. (Foods).

*Law*

Part-time Lecturers

Stephens, A. C., LL.M. (Jurisprud.) Dean, Fac. of Law.
Allan, N. W., LL.B. (Company L. and Bankruptcy).
Caudwell, M. M. (Conveyancing).
Haggitt, A. N., LL.B.( Roman L.).
Barrowclough, C. B., B.A., LL.B. (Conflict of Laws).
Curzon-Siggers, Canon W. A., LL.M. Camb., M.A. (Publ. Internat. L.).
More, J. S. D., LL.B. (Contracts).
Ward, J. P. (Practice and Procedure).
Nevill, P. H. W., LL.B. (Trusts etc.).
Joel, M., LL.B. (Constitutional L.).
Reid, W. H., LL.B. (Property).
Ross, H. S., LL.B. (Criminal L.).
Guest, F. W., M.A., LL.M. (Evidence, Torts).

*Marine Biology*

Batham, Elizabeth J., Ph.D. Camb., M.Sc. Lectr.

*Mathematics, Pure and Applied*

Gabriel, R. M., M.A. Camb. Prof.
Orton, A. A., M.A., M.Sc. W. Aust. (Appl.M.) Sr. Lectr.
Silverstone, H., Ph.D. Edin., M.A. Sr. Lectr.
O'Meara, O. T. Lectr.
..... 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., D.Sc. M.I.T., B.Met.E. Melb. (Metall.).
Buchanan, D. E., B.E. (Engin.).
Rogers, J., M.Sc. (Mineral Dressing).
Mackie, J. B., M.Sc., B.E., F.G.S. (Surveying).
Watson, W. B., B.Sc. (Coal Mining).
Shackleton, A. J., B.E. Hon. Lectr.

2 Asst. Lectrs.

*Modern Languages*

Silver, R. C., M.A. Glas., L. ès L. Paris Prof.
Barrell, R., M.A., B.Sc., D.U.P. Lectr.
Herd, E. W., M.A. Camb. Lectr.

*Music*

Galway, V. E., Mus.D. Melb., Hon. F.T.C.L. Prof.
Martin, Mary A., Mus.B. Lectr.

Gordon, A. E., B.A., Mus.B. Pt.-time 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.
1 Temp. Asst. Lectr.

*Physical Education*

Smithells, P. A., M.A. Camb. Dir.
Wallace, J., D.P.E. Glas. Lectr.
Cameron, P. E., B.A. Lectr.
Golding, Annette, Dip.Phys.Ed. Lectr.
Gourley, Noeline, Dip.Phys.Ed. Asst. Lectr.

*Physics*

Nimmo, R. R., Ph.D. Camb., M.Sc., F.I.P. Dean, Fac. of Sci., Prof.
Blackie, Agnes R., M.Sc. Sr. Lectr.
McLellan, A. G., Ph.D. Edin., M.Sc. Sr. Lectr.

Lecturers

Symmons, H. F., B.Sc. Brist.
Dodd, J. N., M.Sc.
Bogle, G. S., M.Sc., D.Phil. Oxon.
Hodgson, E. R., M.Sc.

Assistant Lecturers

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.
..... Lectr.
Bradley, K., M.Sc. Manc. Lectr.
Batt, Mrs. Olga D., M.B., Ch.B. Asst. Lectr.
Harwood, R. V., B.Sc. Asst. Lectr.

*Theology*

Part-time Lecturers

Henderson, Rev. J., M.A., Ph.D. Edin. (Theol.) Dean of Fac.
Allan, Rev. J. A., D.D. Edin., M.A. (New T.).
Haddon, Principal A. L., M.A. Melb., D.D. Butler (Church Hist.).
Knight, Rev. G. A. F., M.A., B.D. Glas. (Old T.).
Perkins, Rev. Father F. W. B., B.A. Leeds (Philos. of Religion).

*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 (on leave) Lectr.
Rind, Mrs. Shirley R., M.Sc. Asst. Lectr.
Richdale, L. E., M.A. Hon. Lectr.

## Dentistry

*Basic Dental Sciences*

Shroff, F. R., D.D.S. Sr. Lectr.
Nevin, R. B., B.Sc., B.D.S. Lectr.

*Conservative Dentistry*

Warren, J. Le B., M.D.Sc. Melb., B.D.S. Prof.
Chirnside, I. M., B.D.S. Sr. Lectr.
Barr, A. M., B.D.S. Lectr.
2 Asst. Lectrs.

*Medicine*

Chapman, O. W., M.B., Ch.B. Lectr.

*Oral Surgery*

Walsh, J. P., M.B., B.S., D.D.Sc. Melb., F.D.S.R.C.S. Dean of Fac., Prof.
Macalister, A. D., B.D.S. Lectr.

*Orthodontics*

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. Northwestern, B.D.S. Sr. Lectr.
1 Asst. Lectr.

*Prosthetic Dentistry*

Craddock, F. W., M.S.D. Northwestern, D.D.S., B.A., Dip. Ed. Assoc. Prof.
..... Lectr.
McLean, F. G., M.Sc. 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. (on leave) Sr. Lectr.
Assistant Lecturers
Morris, W. R., B.A., M.B., Ch.B.,
Robinson, L. R., M.B., Ch.B.
6 Demrs.

*Bacteriology*, v. *supra*; v. also Hyg. and Prev. Med.

*Biochemistry*, v. *supra*

*Ear, Nose and Throat*

Wardale, A., M.D., M.S. Lond., F.R.C.S., F.R.A.C.S. Lectr.
1 Asst.

*Gynæcology and Obstetrics*

Wright, J. L., M.B., Ch.B., F.R.C.S.Ed. Prof.
Cox, L. W., M.B., Ch.B., F.R.C.S. 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.
Parker, G. S. Lectr.
Dempster, G. O. L., M.D., D.P.H. Asst. Lectr.
Bell, A., M.B., B.S. Durh. Asst. Lectr.
Gardiner, C. E. (Vital Stats.) Hon. Lectr.

*Medical Jurisprudence*

D'Ath, E. F., M.B., Ch.B., F.R.A.C.P. Prof.

*Medicine*

Smirk, F. H., M.D. Manc., F.R.C.P., F.R.A.C.P. Prof.
Iverach, J. A. D., M.C., B.A., M.B., Ch.B., F.R.C.P.Ed., F.R.A.C.P. Assoc. Prof.
Caughey, J. E., M.D., F.R.C.P., F.R.A.C.P. (Neurol.) Assoc. Prof.
McGeorge, M., M.D., F.R.A.C.P. (Pædiat.) Sr. Lectr.
Wilson, R. F., M.B., Ch.B. (Tuberculosis) Sr. Lectr.
Fastier, F. W., M.Sc., D.Phil. Oxon. (Pharmacol.) Sr. Lectr.

Ironside, W., M.B., Ch.B., D.Psy. (Psychiatry) Sr. Lectr.

Lecturers

Palmer, G. B., M.B., B.S. Lond., D.P.M. (Mental Dis.).
Kirk, G. R., O.B.E., M.B., Ch.B.
Kilpatrick, J. A., M.D.
Chapman, O. W., M.B., Ch.B.
MacLeod, E. K., M.B., Ch.B.
Lewis, L., B.Med.Sc., M.D.
Medlicott, R. W., M.B., Ch.B.

Assistant Lecturers

Deem, Muriel H., M.D.
Begg, N. C., M.B., Ch.B.
Stringer, H. C. W., Ph.D. Edin., M.B., Ch.B., D.T.M. & H. Edin.
4 Assts.

*Ophthalmology*

Wilson, R. P., M.B.E., B.Sc., M.B., Ch.B. Edin., F.R.C.S.Ed. Sr. Lectr.
Macdonald, R. G., M.B., Ch.B., D.O.M.S., F.R.C.S.Ed., F.R.A.C.S. Lectr.
Parr, J. C., M.B., Ch.B. Asst. Lectr.
1 Asst.

*Pathology*

D'Ath, E. F., M.B., Ch.B., F.R.A.C.P. Prof.
Rodda, R. A., M.D. Sr. Lectr.
Brückner, J. B., M.D. Budapest Lectr.
4 Asst. Lectrs.

*Physiology*, v. *supra*

*Radiology*

Sowerby, W., M.D., D.M.R.E. Camb., F.R.C.S.Ed., F.F.R. Sr. Lectr.
Begg, A. C., M.D., D.D.R. Lectr.
Jerram, C. W. S., M.B., Ch.B. Lectr.

*Stomatology*

Walsh, J. P., M.B., B.S., D.D.Sc. Melb., F.D.S.R.C.S. Prof.

*Surgery*

Woodruff, M. F. A., B.E.E., M.D., M.S. Melb., F.R.C.S. Prof.
Nisbet, N. W., L.D.S., F.R.C.S. Ed. (Orthop. S.) Assoc. Prof.
James, J. A., M.B., B.S. Melb., F.R.A.C.S. (Neurosurg.) Sr. Lectr.
Greenslade, C. M., M.B., Ch.B., F.R.C.S., F.R.A.C.S. (Venereal Dis.) Sr. Lectr.
Pearse, V. T., M.B., Ch.B., F.R.C.S. Sr. Lectr.

*Surgery, Clinical*

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., D.S.O., 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.
Borrie, J. H., M.B.E., M.B., Ch.B., F.R.C.S.
Karn, H., F.R.C.S.Ed.
Dawson, E. O., M.B., Ch.B., F.R.C.S.Ed.

Assistant Lecturers

Alldred, A. J., M.B., Ch.B., F.R.C.S.
McLeod, Pearl A. A., B.Sc., M.B., Ch.B., F.R.F.P.S. Glas.
Robinson, R. G., M.B., B.S. Lond., F.R.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 Public Hospital. *Auckland*: Sayers, E. G., M.B., Ch.B. (Sub-Dean), with sr. staff members of Auckland Public Hospital.

**Adult Education**

Hall, D. O. W., M.A. Camb., Dir.; Home Science Extension, 4 Tutors; General Adult Education, 6 Tutors.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: G. M. Broad, B.Com. Asst. to the Registrar, Jean M. Riley, M.B.E., M.A. Sec., Med. Fac.: J. A. Crawley. Sec., Dent. Fac.: R. W. Foster, B.Com. Dep. Librarian: E. Joy Robinson, M.A. Med. Sch. Librarian: 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., F.N.Z.I.C.; 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, Rev. J. M. Bates, M.A.; 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.

The govt. of the Univ. is vested in the Council, on which are represented the Professorial Bd., teaching staff, Students' Assoc., graduates (Convocation) and a number of educational and other bodies; the Governor-General-in-Council nominates two members. The Council is advised on academic matters by the Professorial Bd.

INCOME. 1952: Gen. Univ. Funds, £418,394 (govt. grants, 75 per cent., student fees, 12 per cent., endowment lands, gifts, bequests, 3 per cent., other sources, 10 per cent.); Res., Scholps. and sp. funds, £62,833; allied instns. (Museum, Adult Educn.), £25,229; Total, £506,456.

FACULTIES AND DEANS. *Arts and Music*, Prof. W. P. Morrell; *Commerce*, Prof. G. C. Billing; *Dentistry*, Prof. J. P. Walsh; *Home Science*, Prof. Elizabeth Gregory; *Law*, A. C. Stephens; *Medicine*, Prof. Sir Charles E. Hercus; *Mining and Metallurgy*, Prof. G. J. Williams; *Science*, Prof. R. R. Nimmo; *Theology*, Rev. Dr. J. Henderson. *School of Physical Education*, Dir.: P. A. Smithells.

LIBRARIES. Main Library, including Departmental libraries, 104,000 vols. Medical Library, 20,000 vols.; also the Hocken collection of 11,500 books, pamphlets and MSS. relating to hist. of N.Z. and the Pacific.

LABORATORIES, MUSEUMS, FIELD STATIONS. Labs. in all Sci., Med., Dental, Mining and Home Sci. depts. (*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).

ENTRANCE REQUIREMENTS (*see* Univ. of New Zealand—Matric., p. 1036). 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.

SPECIAL RESEARCH FACILITIES. Labs. of the Med. Research Council of N.Z., the British Empire Cancer Campaign (N.Z. Branch) and Travis Trust (tuberculosis res.) are housed in Med. and Dent. Sch. Bldgs., and administered through the Univ.

FEES. (Approx.) Arts (3 yrs.), £55 (4th yr. for M.A. extra, £9 : 9s.); Sci. (3 yrs.), £70 (4th yr. for M.Sc. extra, £12 : 12s.); Law (5 yrs.), £85; Commerce (4 yrs.), £50; Mining and Metall. (B.E. and A.O.S.M.) (4 yrs.), £175; Home Sci., Dipl. (3 yrs.), £110, B.H.Sc. (4 yrs.), £145 (4th yr. for M.H.Sc. extra, £12 : 12s.); Med. (6 yrs.), £235; Dent. (5 yrs.), £230; Physical Educn. (3 yrs.), £100.

Examn. fees (not included above) up to £12 per yr.

ADULT EDUCATION. This dept., financed through National Council of Education, undertakes general tutorial classes in Dunedin and Invercargill, and in country districts throughout the provinces of Otago and Southland. Through these, and specialized work carried out by Drama, Music and Home Science Extension tutors, community activities and appreciation of the arts are developed. Special short "Summer Schools" in poetry, drama and flower arrangement have been held, but no regular vacation courses are offered.

POSTGRADUATE AWARDS. No "open" awards.

GRADUATES' ASSOCIATIONS. All grads. become members of the Univ. of Otago District Court of Convocation, which elects 4 of the 21 members of the Univ. of Otago Council and, in conjunction with Courts of the other Univ. districts, 5 of the 30 members of the Senate of the Univ. of N.Z. There is also a Univ. of Otago Graduates' Assocn. which publishes annually a *Vice-Chancellor's Newsletter to graduates*.

STUDENT RESIDENCES (for Wardens *see* "Admin. and other Staff", *supra*). (Fees: from £3 to £4 : 10s. per week.) Selwyn Coll., Castle St., Dunedin, N.1 (*Telephone*: 11-973) (Anglican), 72 men; Knox College, Opoho, Dunedin, N.E.1 (*Telephone*: 13-621) (Presbyterian), 107 men; St. Margaret's College, Leith St., Dunedin, N.1 (*Telephone*: 13-070) (Presbyterian), 124 women; Arana Hall, 110 Clyde Street, Dunedin, N.1 (*Telephone*: 12-975) (Inter-

denominational), 70 men; Carrington Hall, 57 Heriot Row, Dunedin, N.1 (*Telephone*: 12-598) (Interdenominational), 48 men and 52 women; Dominican Hall, 44 Park Street, Dunedin, N.1 (*Telephone*: 10-722) (Catholic), 34 women; Studholme House (*Telephone*: 18-219), 56 Home Science students.

STAFF RESIDENCES. Temp. housing for new members of staff arranged by a sp. cttee. of Univ. Council.

O.U. MEDICAL COMPANY. Two weeks' annual camp, and day parades each term.

STUDENT HEALTH SERVICE. Administered by Preventive Med. Dept. of Medical Sch.; voluntary enrolment by students allows for periodical health assessments and discussions as well as sickness care.

STUDENTS' UNION. The Otago Univ. Students' Assoc. has offices in a Union Bldg. which contains common rooms for men and women, locker rooms, a cafeteria and a miniature theatre.

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).

## THE YEAR 1952

BENEFACTIONS. Estate of C. M. McGillivray, £2000, for Medical Research; Mrs. E. C. Mellor, further gifts for J. W. Mellor Fund for Research in Chemistry, £1021, and further donations of library books and museum pieces; Staff and sundry donors, £1553, for University Union Building Fund; Dunedin Savings Bank, £400, further donation Commerce Scholp.; International Union of Biological Sciences, £126; Nuffield Foundation, £7912, for special res. projects; Sundry donors, £287, for Home Science Hostel; Sundry donors, £126, for Museum; Sundry donors, £1153, for Lord Rutherford Memorial Fund; Women's Association, £100, for F. M. Allan Prize.

NEW POSTS. Establishment of Chairs of Botany and of Conservative Dentistry.

VICE-REGAL VISIT. Farewell visit of H.E. the Governor-General of N.Z., Lord Freyberg, Visitor to the Univ., who delivered the address at the Graduation Ceremony.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir John Cockcroft, Rutherford Memorial Lecturer, from the Atomic Energy Research Establishment, Harwell; Dr. E. T. Williams, Oxford Secretary-designate of the Rhodes Trust; Sir John Sheppard, Provost of King's Coll., Camb.; Prof. C. K. Ingold, Univ. Coll., Lond.; Dr. F. J. M. Farley, Auckland U.C.; Prof. H. A. Murray, Victoria U.C.; Dr. R. T. Hutcheson, Registrar, Glas.; Prof. J. S. Turner, Melb.; Prof. C. Kluckhohn, Harvard; Prof. Lucile Rust, Fulbright visiting Prof. in Home Sci. Sch., from Kansas State Coll.; Dr. and Mrs. K. Anderson, Kansas State Coll.; Dr. Louise Overacker, Wellesley Coll., Boston, U.S.A.; Dr. W. C. Reeves, Assoc. Prof. of Epidemiol., Calif.; Prof. G. H. Ettinger, Queen's; Prof. A. S. Choudhri, Dacca; Prof. B. T. Mayes, Syd.; G. F. Gibberd, Sims Prof. for 1951 in Obstet. and Gynæcol., Guy's Hosp. Med. Sch.; Prof. W. E. Le Gros Clark, Oxon.; Prof. C. D. Rob, St. Mary's Hosp. Med. Sch.; Prof. E. C. Dodds, Sims Commonwealth Prof. for

1952, Courtauld Inst. of Biochem. at Middlesex Hosp.; Dr. Jean M. Mackintosh, Birm.; Dr. G. C. Macdonald, external examiner in Med.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. R. S. Aitken, Vice-Chancellor, Syd. Centennial Celebrations; Sir Charles Hercus, Gt. Britain and U.S.A., Rockefeller grant; Prof. J. P. Walsh, Gt. Britain and U.S.A.; K. A. Blakey, Gt. Britain, Rockefeller Fellow; Dr. J. A. Allan, Gt. Britain; Dr. H. Bernardelli, Gt. Britain, Rockefeller Fellow; Dr. W. D. Trotter, Gt. Britain; Dr. L. Brock, Gt. Britain, Nuffield Fellow; Dr. H. Muir, M.I.T.; J. Murray, Gt. Britain; E. R. Hodgson, Gt. Britain; Dr. W. Sowerby, Gt. Britain; Prof. F. H. Smirk, Melb.; Dr. M. Marples, Syd.

RETIREMENTS. Prof. Sir Gordon Bell (Surg.); Dr. H. D. Skinner (Anthropol. and Dir. of Museum).

RESIGNATIONS. Dr. M. Holdsworth (Bot.), apptd. Lectr., Univ. Coll. of Gold Coast; D. B. Sawyer (Maths.), apptd. to Univ. Coll. of Gold Coast; J. Richardson (Educn.), apptd. Lectr., Univ. of Q'ld.; Dr. A. H. McLintock (Engl.), apptd. N.Z. Govt. Archivist; A. C. MacRae (Engl.), apptd. to teaching position in school; A. D. Tweedie (Geog.), apptd. to Univ. of Q'ld.; B. C. Dowling (Dep. Librarian), apptd. to position in Gt. Britain; Mrs. M. L. Cameron (Phys.Ed.); Miss W. Bach (Phys.Ed.); Dr. F. Grayeff (German), apptd. to position in Gt. Britain; W. A. Watters (Geol.); F. A. Johnson (Chem.); Dr. M. Brown (Ment. Dis.); Dr. A. W. Sutherland (Surg.); Dr. H. A. Fleming (Med.); Dr. R. E. Tingey (Med.); Mrs. M. Edwards (H.Sci. Econ.); Dr. I. M. Rutherford (Ear, Nose and Throat), to private practice; Dr. G. C. Schofield (Anat.), apptd. to a hospital post.

STUDENT RECREATION. Completion during the year of a recreation hut, for the use of staff and students, at Trotter's Gorge (45 miles north of Dunedin). The scheme was initiated by Dr. A. M. Douglas (Student Health Service) and Director, staff and students of the Sch. of Phys. Educn. Erected and equipped by voluntary student labour, cost of materials largely met by donations.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 451 | 1136 |
| Women | 152 | 445 |
| Total | 603 | 1581 |

Postgraduate students: 55 taking Masters' Degrees, 21 Ph.D. candidates, 19 grads. studying for the B.D.

New admissions, 328.

Students from other countries, 23. (Countries from which largest numbers came: Fiji, 8; U.S.A., 4; Samoa, 3; Federation of Malaya, 3.)

DEGREES AWARDED (Univ. of N.Z.). *Arts*: M.A., 24; B.A., 64; *Comm.*: M.Com., 2; B.Com., 13; *Dent.*: D.D.S., 2; M.D.S., 1; B.D.S., 41; *Divinity*: B.D., 3; *Engin.*: B.E., 5; *Home Sci.*: M.H.Sc., 1; B.H.Sc., 14; *Law*: LL.B., 7; *Med.*: M.D., 3; M.B., Ch.B., 99; B. Med.Sc., 2; *Music*: Mus.B., 1; *Sci.*: Ph.D., 2; M.Sc., 6; B.Sc., 40. *Total number of first degrees awarded*, 286.

DIPLOMAS (Univ. of N.Z.). *Educn.*: Dip.Ed., 4; *Med.*: D.P.H., 3; *Music*: Dip.Mus., 1.

DIPLOMAS (Univ. of Otago). *Home Sci.*: Dip.H.Sc., 17; *Mining Engin.*: A.O.S.M., 5; Dip. Land & Mine Surveying, 1; *Phys. Educn.*: Dip.Phys. Ed., 23.

[*Information compiled as at June* 1953.]

# CANTERBURY UNIVERSITY COLLEGE*

Founded 1873

*Postal Address*: P.O. Box 1471, Christchurch, C.1, New Zealand.
*Telephone*: Christchurch 88-821.

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF COUNCIL—W. J. CARTWRIGHT, B.A.
RECTOR—H. R. HULME, M.A., Ph.D., Sc.D.
REGISTRAR—JAMES LOGIE.
LIBRARIAN—C. W. COLLINS, M.A., F.L.A.

## TEACHING STAFF

*Accountancy*

Battersby, G. B., Ph.D. Lond., M.Com. Hd. of Dept.

Part-time Assistants

Burtt, J. K., B.Com., F.P.A.N.Z.
Hindin, J. B., B.Com.
Jensen, K. J., B.Com.

Pt.-time Asst. Lectrs. in Commercial Law

Drake, B. J., B.A., LL.M.
Wicks, J. A., LL.M.
Mahon, P. T., LL.B.

*Biology*

Percival, E., B.Sc. Leeds, F.R.S.N.Z. Prof.
Philipson, W. R., B.A. Camb., Ph.D. Lond. (Bot.) Sr. Lectr.

Lecturers

Allison, Mrs. Frances R., M.Sc. (Zool.).
Pilgrim, R. L. C., Ph.D. Lond., M.Sc. (Zool.).

Lecturers

Arnold, B. C., M.Sc. (Bot.).
Mayer, Margaret, D.Sc. (Bot.).
Godley, E. J., Ph.D. Camb. (Genetics) Hon. Lectr.
Knox, G. A., B.A., M.Sc.

Assistant Lecturers

Brownlie, G., M.Sc.
Wiseley, H. B., 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.
Wilkins, C. J., Ph.D. Lond., M.Sc. Sr. Lectr.
Vaughan, J., M.Sc. Wales Sr. Lectr.
McGlashan, M. L., Ph.D. R'dg., M.Sc. Sr. Lectr.

Assistant Lecturers

Penfold, B. R., Ph.D. Camb., 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.

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

Broadhead, H. D., M.A. Camb., Litt.D. Assoc. Prof.
Steven, Marion K., M.A., M.B., Ch.B. Sr. Lectr.

*Commercial Law*

Part-time Assistants
McMenamin, K. J., LL.B.
Drake, B. J., B.A., LL.M.
Wicks, J. A., LL.M.

*Economics*

Weststrate, C., LL.D. Leyden Prof., Dean, Fac. of Commerce.
Danks, A. J., M.A. Sr. Lectr.
Rosenberg, W., M.Com. Sr. Lectr.
Miller, G. M., B.A., B.Com. Sr. Lectr.

*Education*

Field, H. E., Ph.D. Lond., M.A. Prof., Dean, Fac. of Soc. Sciences.
..... Sr. Lectr.
Ford, C. T., M.A. Sr. Lectr.
Lawrence, P. J., M.A. Jr. Lectr.
Havighurst, R. J. Visiting Fulbright Prof.

*Engineering*, v. *infra*

*English Language and Literature*

Garrett, J. C., M.A. Alta. and Oxon. Prof., Dean, Fac. of Arts.
Rhodes, H. W., M.A. Melb. Assoc. Prof.
Stockwell, A. W., B.Litt. Oxon., M.A., B.Sc. Sr. Lectr.
Baigent, L. A., M.A. Sr. Lectr.
Spear, C. E., M.A., L.Th. Lectr.
Copland, R. A., M.A. Lectr.

*Geography*

Jobberns, G., M.A., D.Sc. Prof.
Pownall, L. L., M.A. Sr. Lectr.
McCaskill, M., M.A. Lectr.
Chapman, June, M.A. Asst. 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. Asst. Lectr.

*History and Political Science*

Phillips, N. C., M.A. Prof.
Saunders, J. J., M.A. Lond. Sr. Lectr.
Fieldhouse, D. K., M.A. Oxon. Lectr.
Owen, J. B., D.Phil. Oxon., M.A., B.Sc. Lectr.
Gardner, W. J., M.A. Lectr.

*Journalism*

Burns, G. Lectr.

*Law*

Wills, E. P., B.A., LL.M., M.Com. (Property and Contracts) Dean, Fac. of Law.

Assistants

Bowie, E. S., LL.B. (Torts).
Bowron, R. H., LL.B. (Internat. L.).
Champion, E. C., M.A., LL.M. (Trusts).
Cuningham, W. G. P., LL.B. (Procedure).
Drake, B. J., B.A., LL.M. (Criminal L. and Jurisprud.).
Edgley, R. W., LL.B. (Evidence).
Gough, K. A., LL.B. (Conflict of Laws).
Hensley, L. J., LL.B. (Comp. L. and L. of Bankruptcy).
Hewitt, D. J., LL.M. (Constitutional L.).
Lockwood, G. G., LL.B. (Legal Ethics).
Taylor, I. W., LL.B. (Conveyancing).
Brown, W. F. (Roman Law).

*Mathematics*

Saddler, W., M.A., D.Sc. St. And., B.A. Camb. Prof.

Andress, W. R., B.A. Camb., B.Sc. Manc. Sr. Lectr.
Drummond, J. E., B.A. Camb., M.Sc. Lectr.
Harding, F. Mary, Ph.D. Edin., M.A. Lectr.
Long, R. S., M.Sc. Lectr.
Sawyer, W. W., 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. Leeds Lectr.
..... Asst. Lectr.

*Music*

Griffiths, V., M.A., Mus.B. Camb., Mus.D., F.T.C.L. Prof., Dean, Fac. of Music and Fine Arts.
Ritchie, J., Mus.B. Sr. Lectr.
Neale, Clare I., B.A., Mus.B., F.T.C.L. Lectr.

*Philosophy*

Prior, A. N., M.A. Prof.
..... Sr. Lectr.
..... Lectr.

*Physics*

Chalklin, F. C., D.Sc., Ph.D. Lond. Prof., Dean, Fac. of Sci.
Tarrant, G. T. P., M.A., Ph.D. Camb. Sr. Lectr.
Elyett, C. D., Ph.D. Manc., M.Sc. Sr. Lectr.
Roth, K. W., B.A. Lectr.
Gregory, J. B., M.Sc. Lectr.
Pope, N. K., Ph.D. Edin., M.Sc. Lectr.
Anderson, R. A., B.Sc. Glas. Asst. Lectr.
Schroeder, P. A., M.Sc. Asst. Lectr.

*Psychology*

Crowther, A., Ph.D. Camb., M.A. Sr. Lectr. and Hd. of Dept.
Thompson, R. H. T., M.A. Lectr.
Scott, T. H., M.A. Lectr.
Reid, R. L., M.A. Edin. Lectr.

**School of Art**

Lovell-Smith, C. S., Dip.F.A. Dir., Sch. of Art.

Senior Lecturers

Johnstone, J. A., D.A. Edin.
Doudney, E. J., F.R.B.S., F.R.S.A.
Clark, R. S.

Lecturers

Oakley, W. J., Dip.F.A.
Knight, J. N., Dip.F.A.
Sutton, W. A., Dip.F.A.
Fife, Ivy G., Dip.F.A.
Akins, Florence E., Dip.F.A.

**Engineering**

*Chemical*

Siemon, S. R., B.Sc., M.App.Sc. Q'ld. Sr. Lectr. and Hd. of Dept.
Hagyard, T., B.Sc., Ph.D. Lond. Sr. Lectr.
Burns, G. C. J., M.B., Ch.B. Pt.-time Lectr.

*Civil*

Hopkins, H. J., D.F.C., M.A. Oxon., B.Sc., B.E. W.Aust. Prof.

Senior Lecturers

Alley, P. J., B.E.
Henderson, F. M., B.E., M.Sc.
Holmes, I. L., B.E.
Massey, P. C., B.E.
Simpson, A. H., B.E.
Williman, A., B.Sc. (Eng.) Lond., Dip.C.Eng.

Lecturers

Belshaw, T., B.Sc. Belf.
Giddens, E. P., B.E.
Owen, B. T. W.
2 Lab. Assts.

*Electrical*

MacElwee, N. M., B.Sc. Glas. Prof., Dean of Fac.
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.
Woodward, J. L., M.A.Sc. Tor., B.E. Lectr.
1 Lab. Instr.

*Mechanical*

Rastrick, R. J., B.E. (Mech.) Prof.

Senior Lecturers

Hewitt, N. E., B.E. (Mech.).
Adams, H. F. T., M.A. Camb.
Burton, A., B.Sc. Eng.
Rodger, M., B.E.

Lecturers

Newstead, W. F.
Rainbird, W. J., B.E.
Whittle, G., B.Sc. (Eng.).
1 Lab. Instr.

## ADMINISTRATIVE AND OTHER STAFF

LIAISON OFFICER. G. S. Troup, M.A.

PHYSICAL EDUCATION OFFICERS. A. S. Lewis, B.A., Betty I. Sparrow, B.A.

ADULT EDUCATION. *Dir.*: G. W. Southgate, B.A. *Tutors*: North Canterbury, B. W. Smythe, B.Com.; West Coast, .....; South Canterbury, W. Hart-Smith; Buller Mining Area, T. Muir; Metropolitan Area, G. Manning, M.A.; Drama, G. A. Worthington, B.A.; Home Science, R. T. Robins, B.H.Sc., Margaret Cushen, M.H.Sc.; Music, L. G. Peach, Mus.B.

STUDENT RESIDENCES. Warden, Helen Connon Hall, Dr. F. M. Harding; Matron, Helen Connon Hall, Mrs. M. F. Bain; Matron, Rolleston House, Miss D. Salter; Principal, College House, Very Rev. M. G. Sullivan, M.A.; Vice-Principal, College House, Rev. D. M. Taylor, M.A., B.D.; Master, College House, Rev. M. Peaston, M.A. Oxon., Ph.D. Lond.; Matron, College House, Miss Y. Riddlesdell; Warden, Bishop Julius Hostel, .....

## GENERAL INFORMATION

Created by Provincial Ordinance, 1873, and affiliated to the Univ. of N.Z., 1874. The first Prof. was apptd. in 1873 to fill the Chair of Chem. Value of lands, bldgs., equipment, etc., £687,500; annual Govt. subsidies and grants for 1952, £173,000.

Originally vested in a *Bd. of Governors* consisting of 23 members who were named and apptd. for life, the govt. of the Coll. is now in the control of the *College Council*, which consists of the Rector (*ex officio*), 18 members apptd. or elected, by the Governor-General (3), by Canterbury members of the 2 Houses of Parlt. (3), by Graduates of the Coll. (6), by Canterbury Sch. Teachers (3) and by members of the Canterbury Sch. Cttees. (3). In addition, there are two Council members apptd. by the Professorial Board, a member representing Lectrs. and a member representing the Students' Assocn. The term of each member is 3 yrs., with one-third of each group retiring in rotation each yr. A *Professorial Council*, set up in 1877 and reconstituted as the Professorial Bd. in 1896, originally included all full Lectrs. In 1925 membership was limited to Profs. and such Lectrs. as were apptd. by the Council. In 1948 the 1st appt. was made of a full-time Rector, who is the academic head of the Coll. and the permanent Chairman of the Professorial Bd.

There have been several special schools connected with the Coll. The Sch. of Art, opened in 1882, in 1950 became a Fac. of Coll. The chief special sch.,

that of Engin., has developed greatly since its establishment in 1890. A Sch. of Agric. was opened at Lincoln in 1880, administered by the Coll. until 1897 when it became sep. instn. as Canterbury Agric. Coll. Until 1948, 4 important secondary schools were also administered by the College.

First permanent bldg. opened in June 1877, and erection of bldgs. continued till 1923. In 1949 the Council decided to proceed with the transfer of the Coll. to a larger site, and plans have been approved for the use of an area of about 130 acres for this purpose.

INCOME. Total income for yr. ended Dec. 31, 1952, £245,000: Govt. grants, 76 per cent., Fees, 14 per cent., Endowments, 3 per cent., Miscellaneous, 7 per cent.

FACULTIES AND DEANS. *Arts*, Prof. J. C. Garrett; *Comm.*, Prof. C. Weststrate; *Engin.*, Prof. N. M. MacElwee; *Law*, E. P. Wills; *Music and Fine Arts*, Prof. V. Griffiths; *Science*, Prof. F. C. Chalklin; *Soc. Scis.*, Prof. H. E. Field.

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.

FACILITIES OF SPECIAL INSTITUTIONS. Canterbury Univ. Coll. Industrial Development Dept.—to handle industrial research.

ENTRANCE REQUIREMENTS. As required by the Univ. of New Zealand, v. p. 1036.

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. 1036). Evening courses in Comm. and Law.

HIGHER DEGREE. Ph.D.

INCLUSIVE ANNUAL CLASS FEES. Arts, about £22; Science, about £30; Law and Commerce, about £15; Laboratory Research, £8: 8s.

NON-MEMBERS OF THE UNIVERSITY may attend classes if over 16 yrs. of age.

ACADEMIC YEAR. March to November: 3 terms of 9, 11 and 6 weeks respectively.

ADULT EDUCATION. Town and country groups in North, Mid and South Canterbury, Buller, and Westland in Social and International Studies, Fine and Practical Arts, etc.

SCHOLARSHIPS include one of £50 for one yr., open to students in their 3rd yr.; one of £50 annually, tenable for 3 yrs., to entrants; two of £25 for 2 yrs., for students not yet eligible for final section of B.A.; one of £50 for research in Science, open to graduates, renewable up to 3 yrs.; two of £150 in Engineering, open to B.E. (Elect.); one (Hartley) for women graduates, offered every third year, £200 p.a. for 3 yrs., tenable ordinarily at Oxford, Cambridge or London;

Lord Rutherford Memorial Research Fellowship, offered every second yr., £400 p.a.; Sims Empire Scholp., offered every second yr., £345 p.a. There is a Students' Loan Fund of £1000 and Dr. A. F. J. Mickle Students' Loan Fund of £1700.

STUDENT RESIDENCES. Rolleston House, Worcester St., Christchurch, C.1 (*Telephone*: 31-419) (90 men); College House, Rolleston Ave., Christchurch, C.1 (*Telephone*: 31-704) (74 men); Helen Connon Hall, 1 Chester St., Christchurch, C.1 (*Telephone*: 31-459) (70 women); Bishop Julius Hostel, 10 Cranmer Sq., Christchurch, C.1 (*Telephone*: 31-086) (50 women). Fees from approx. £3 per wk. (women) to £3 : 10s. (men).

STUDENTS' UNION. Students' Union Bldg., H.Q. of student activities and a "club-house" available to all students.

PUBLICATIONS. *Syllabus of Courses and Timetable* (Jan.), free. *Calendar* (Feb.), 2s. 6d. *School of Engineering Prospectus* (Feb.), free. *Canta*, 26 issues a yr., subscription 2s. 6d. *Review*, annual (Oct.). *Annual Report*; *Trans. of Coll. Engineering Soc.*, 2s. 6d.

## THE YEAR 1952

ADULT EDUCATION WORK. Total enrolments, 1327.

RETIREMENTS. D. B. Macleod, Assoc. Prof. of Physics; L. J. Darwin, Sr. Lectr. in Maths.; W. S. Wright, Lectr. in Civil Eng.

DEATH. I. L. G. Sutherland, Prof. of Philos.

STUDENT NUMBERS.

| | *Part-Time* * | *Full-Time* |
|---|---|---|
| Men | 959 | 751 |
| Women | 343 | 278 |
| Total | 1302 | 1029 |

Postgraduate students, 128.

New admissions, 485.

Students from other countries: † India, 6; China, 10; Holland, 8; Ceylon, 4; Rumania, 2; Poland, 2; Fiji, 8; 1 each from Sweden, Austria, U.S.A., France.

DEGREES AWARDED. B.A., 92; M.A., 24; B.Com., 13; B.E., 66; LL.B., 13; Mus.B., 2; B.Sc., 44; M.Sc., 15; D.Sc., 1; Ph.D., 1.

DIPLOMAS AWARDED. Dip. Fine Arts, 16; Dip. Hons., 2; Dip. Mus., 2; Dip. Banking, 1; Dip. Journ., 1.

* Includes 117 exempted students.

† Approximate numbers only.

# AUCKLAND UNIVERSITY COLLEGE *

Founded 1882

*Postal Address*: Box No. 2553 C.P.O., Auckland, New Zealand.
*Telephone*: 30-350.

VISITOR—THE MINISTER OF EDUCATION.

PRESIDENT OF COUNCIL—W. H. COCKER, C.M.G., M.A., LL.B. Camb., B.A., LL.B.

VICE-PRESIDENT OF COUNCIL—G. D. ROBB, B.Sc., M.D., Ch.M., F.R.C.S., F.R.A.C.S.

PRINCIPAL—K. J. MAIDMENT, M.A. Oxon.

REGISTRAR—J. A. KIRKNESS, M.Com.

LIBRARIAN—F. A. SANDALL, B.A., F.L.A.

LIAISON OFFICER—K. J. SHEEN, Ph.D. Lond., M.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.M. (Comml. Law) Dean, Fac. of Commerce, Sr. Lectr.
Johnston, T. R., LL.M., B.Com. Lectr.

Part-time Lecturers

Kay, R. M., B.Com., F.R.A.N.Z.
Horrocks, J., B.A., B.Com.
Mackie, W. N., M.Com.
Kennedy, B. A., LL.B.
Twomey, M. K., B.Com.
Strickland, G., B.Com.
Crosby, H., B.Com.
Lewis, A. J., B.Com.
Rose, J. D., B. Com.

*Anthropology*

Piddington, R. O., Ph.D. Lond., M.A. Syd. Prof.
Geddes, W. R., Ph.D. Lond., M.A. Lectr.
Biggs, B. G., B.A. Jr. Lectr.
Scobie, R. A., M.A. Lond. Pt.-time Lectr.
Taylor, R. S. T., D.D.S. Pt.-time Lectr.

*Architecture*

Knight, C. R., B.Arch., M.A. Liv., F.R.I.B.A., F.N.Z.I.A. Dean, Fac. of Arch., Prof.
Light, A. C., B.A. Lond., F.R.I.B.A. (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.
Middleton, P., Dip.Arch. Nott.
Neal, A. W., B.Arch.
Porsolt, I. V., Dip.Arch.Eng. Prague.

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

Lawry, E. A., B.Arch.

*Botany*

Chapman, V. J., Ph.D. Camb. Prof.
Millener, L. H., Ph.D., 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., D.Sc., Ph.D. Birm., F.R.I.C., F.N.Z.I.C., F.R.S.A. Dean, Fac. of Sci., Prof.
Briggs, L. H., D.Phil. Oxon., D.Sc., F.N.Z.I.C., F.R.S.N.Z. Assoc. Prof.
Bloom, H., Ph.D. Lond., M.Sc. Melb., D.I.C. Sr. Lectr.
Odell, A. L., M.Sc. Lectr.
Seelye, R. N., M.Sc. Lectr.
Maslen, H., M.Sc. Lectr.
Hall, D., M.Sc. Lectr.

*Classics*

Blaiklock, E. M., M.A., Litt.D. Prof.
Crawley, L. W. A., B.A. Camb., M.A. Sr. Lectr.
Harris, B. F., B.A. Oxon. Lectr.
Dellow, K. J., M.A. Pt.-time Lectr.

*Economics*

Simkin, C. G. F., D.Phil. Oxon., M.A., Dip.Soc.Sc. Prof.
Rodwell, H. R., M.A., Dip.Soc.Sc. Assoc. Prof.
Bieda, K., M.A. Aberd. Lectr.
Bergstrom, A. R., M.Com. Jr. Lectr.

*Education*

Winterbourn, R., Ph.D. Lond., M.A. Dean, Fac. of Educn., Prof.
Cumming, I., Ph.D. Lond., B.A., M.Ed. Melb. Sr. Lectr.
Hare, W. B., M.A., Dip.Ed. Lectr.
Rogers, C. A., Ph.D. Lond., B.Ed. Melb., M.A., Dip.Ed. Lectr.
Minogue, W. J. D., Ph.D. Ohio State, M.A. Lectr.

*Engineering*

Dalton, G. C. J., Ph.D. Oxon., B.E. (Civil), B.Sc. Dean, Fac. of Engin., Prof., Mech. Engin.
Mowbray, N. A., B.E. (Civil) Prof., Civil Engin.
Bogle, A. G., B.E. (Elect. Mech.), D.Phil. Oxon. Prof., Elect. Engin.

Senior Lecturers

Dawson, C. (Elect. E.).
De Bray, B. P. G., M.Sc. Lond. (Aeronaut. E.).
Thomass, L. H., B.Sc. Lond., B.E. (Civ.) (Civ. E.).
Glover, J. H., B.Sc. Lond. (Mech. E.).
McMullen, J. J., B.Sc. Lond. (Elect. E.).

Lecturers

McLaren, E. J. R. (Civ. E.).
Wallace, H. E., B.E., M.Sc. (Civil Eng.).
Taylor, P. W., B.Sc., B.E. (Civil Eng.).
Jebson, W. N. (Mech. E.).
Titchener, A. L., B.E. (Mining), B.Sc., B.E. (Mech.) (Mech. E.).
Burton, C. M. (Mech. E.) Jr. Lectr.

*English Language and Lit.*

Musgrove, S., M.A., D.Phil. Oxon. Prof.
Sheppard, Elizabeth A., M.A., Ph.D. Lond. Sr. Lectr.
Joseph, M. K., B.A., B.Litt. Oxon. (on leave) Sr. Lectr.
Reid, J. C., M.A. Lectr.
Curnow, T. A. M., B.A. Lectr.
Walton, J. K., M.A., B.Litt. Dub. Lectr.
Crawford, T., M.A. Edin., M.A. Temp. Jr. Lectr.

*Fine Arts*

Fisher, A. J. C. Dir.
..... Sr. Lectr.
Kavanagh, J. F., F.R.B.S. (Sculpture) Sr. Lectr.

Lecturers

Turkington, J. (Design).
Eise, Ida G. (Painting).
McLaren, A. W. S. (Painting and Figure Drawing).
White, Anna L. (Painting and Figure Composition).
Fairburn, A. R. D. (Hist. of Art.).

*Geography*

Cumberland, K. B., M.A. Lond., D.Sc. Prof.
Fox, J. W., B.A. Lond. Lectr.
Wallace, W. H., M.Sc. Wis. Lectr.
Curry, L., M.A. Johns H., B.A. Durh. Lectr.
Farrell, B. H., M.A. Wash., B.A. Jr. Lectr.
Brockie, W. J., M.A. Edin. Jr. Lectr.

*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., Ph.D. Lond., M.Sc. Lectr.
Searle, E. J., M.Sc. Demr.

*Hebrew*

Hames, E. W., M.A. Lectr.

*History*

Rutherford, J., M.A. Durh., Ph.D. Mich. Prof.
Airey, W. T. G., B.A. Oxon., M.A. Assoc. Prof.
Sinclair, K., M.A. Sr. Lectr.
Chapman, R. M., M.A. Lectr.
Fraser, E. M., B.A. Camb., M.A. Lectr.
Herron, D. G., M.A. Temp. Lectr.
Parnaby, O. W., D.Phil. Oxon., B.A. Melb. Lectr.
Wilson, T. G., M.A. Temp. Jr. Lectr.

*Journalism*

Burton, E. A., Dip.Journ. Lectr.

*Law*

Davis, A. G., LL.D. Lond., LL.B. Dean, Fac. of Law, Prof.
Northey, J. F., D.Jur. Tor., B.A., LL.M. 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.), B.A., B.A.O., M.D. Dub., F.R.C.P.I., F.R.C.O.G. 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.

*Music*

Hollinrake, H., M.A., Mus.Bac. Camb. Dean, Fac. of Music, Prof.
Nalden, C., Mus.B. Durh., Mus.D. Lond. Sr. Lectr.
Rive, T. N., Mus.Bac. Lectr.

*Philosophy*

Anderson, W., M.A. Glas. Prof.

Anschutz, R. P., Ph.D. Edin., M.A. Assoc. Prof.
Pflaum, K. B., M.A. St. And., B.Litt. Oxon. Sr. Lectr.
Walters, R. H., B.Phil. Oxon., M.A., Dip.Ed. Brist. Lectr.
Nixon, A. J., M.A. Lectr.

*Physics*

Burbidge, P. W., B.A. Camb., M.Sc. Prof.
Brown, D., Ph.D. Brist. Assoc. Prof.
Kreielsheimer, K. S., D.Ing. Darmstadt, F.I.P. Assoc. Prof.
Sagar, F. H., M.Sc. Sr. Lectr.
Farley, F. J., Ph.D., M.A. Camb. Sr. Lectr.
Mawson, D. G., M.Sc. Lectr.
Earnshaw, J. B., B.Sc. Manc. Temp. Jr. Lectr.
Wright, D. J., B.Sc., Ph.D. Lond. Jr. Lectr.
Dudding, E. L., B.Sc. Jr. Lectr.
Whale, A. H., M.Sc., Ph.D. Camb. Res. Fellow.

*Zoology*

McGregor, W. R., B.Sc. Hd. of Dept., Assoc. Prof.
Laidlaw, W. B. R., D.Sc. Aberd., B.Sc.For. Edin. Lectr.

**Adult Education**

Morrison, S. R., M.A. Dir.

Tutor Organizers

McMillan, Sheila G., B.H.Sc., Dip.Ed.
Rutherford, D. W., M.A.
Ring, G. L., B.A.
Bell, C. A., M.A.
Baigent, H. V., B.A. (on leave).
Johnstone, G. C., M.A., Dip.Ed.
Winiata, M., M.A., Dip.Ed. (on leave).
Inman, Margaret M.
Dellow, R. G., Mus.Bac.
Fausett, Vera M.
Bedggood, L. R., M.A., B.Sc., Dip.Ed.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: G. G. Turbott, B.A., B.Com. Accountant: Kathleen Alison, B.Com. Physical Education Officer: S. R. Brown, Dip.Phys.Ed.

## GENERAL INFORMATION

Established by Act of the N.Z. Legislature in 1882, the College was affiliated to the Univ. of N.Z. in 1883. It received in 1885 an endowment of 30,000 acres of land, of which one-third was sold in 1915 for £10,246. During 1938 it received grants from the Govt. totalling £25,200.

Of the 17 members of the College Council 3 are appointed by the Governor, 2 by the Prof. Board, 1 by local bodies, 4 are elected by the graduates, 3 by the Auckland members of the General Assembly, 1 by the Education Bd., 1 by Lecturers of the Coll. and 1 by Students. The Principal is also a member of Council.

Three of the special schools are at a distance from the main bldgs.—Sch. of Engin. at Ardmore, 20 miles south of Auckland (*Telephone*: 340 Papakura), Sch. of Archit. in Symonds St., Auckland (*Telephone*: 42-746), and Sch. of Fine Arts also in Symonds St. (*Telephone*: 41-271).

The College Hostel, "O'Rorke Hall," at 43 Symonds Street, Auckland, can accommodate approx. 120 students (46 women and 75 men in 1953). Resident Warden: L. W. A. Crawley (*Telephone*: 45-562).

ADMISSION. V. p. 1036.

COURSES are provided for the degrees of the Univ. in Arts, Science, Archit., Law, Music, Commerce and Engin., and for the Diplomas of Journalism, Fine Arts, Educn., Music, Archit. and Urban Valuation.

FEES. The approx. inclusive fees are as follows : Arts, £50 ; Science, £68 ; Law, £80 ; Commerce, £50 ; Architecture, £112 ; Music, £32 ; Engineering, £123 ; Fine Arts, £80.

FACULTIES AND DEANS. *Archit.*, Prof. C. R. Knight ; *Arts*, Prof. A. C. Keys ; *Commerce*, W. C. S. Leys ; *Educn.*, Prof. R. Winterbourn ; *Engin.*, Prof. G. C. J. Dalton ; *Law*, Prof. A. G. Davis ; *Music*, Prof. H. Hollinrake ; *Sci.*, Prof. A. R. Lillie.

PUBLICATION. *Calendar* (Feb.), 1s. ; (full *Calendar*, including hist. of Coll., every 5 yrs. ; last published 1951).

## THE YEAR 1952

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1573 | 838 |
| Women | 486 | 320 |
| Total | 2059 | 1158 |

Extra-Mural students, 374.

Postgraduate students, 322.

New admissions : 526 men, 277 women.

Students from other countries : 7 men students under the Colombo Plan from Malaya.

DEGREES, ETC. Ph.D., 1 ; M.A., 39 ; B.A., 109 ; LL.M., 3 ; LL.B., 19 ; M.Sc., 21 ; B.Sc., 47 ; B.Com., 20 ; Mus.B., 3 ; B.Arch., 11 ; B.E., 17. *Total number of first degrees awarded*, 198.

Dip. Hons., 1 ; Dip.Arch., 6 ; Dip.Ed., 10 ; Dip.Mus., 1 ; Dip.Journ., 2 ; Dip.Bank., 3 ; Dip.Urb.Val., 7 ; Dip. Fine Arts, 9.

[*Information compiled as at* 18/6/53.]

# VICTORIA UNIVERSITY COLLEGE *

Founded 1897

*Postal Address*: P.O. Box 196, Wellington, C.1, New Zealand.
*Telephone*: 46-046.

VISITOR—THE MINISTER OF EDUCATION.
CHAIRMAN OF COUNCIL—T. D. M. STOUT, C.B.E., D.S.O., Ch.M., F.R.C.S.
PRINCIPAL—J. WILLIAMS, LL.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. (Accounting III and Auditing) Hd. of Dept.
Part-time Lecturers
Tayler, D. de P., B.Com. (Accounting I and II).
Burton, R. C. C., LL.M. (Commercial Law I and II).
Edgar, R., F.C.I.S. (Secretarial Law and Practice).
O'Flynn, F. D., B.A., LL.M. (Trustee Law).

*Botany*
Gordon, H. D., B.Sc., Ph.D. Edin. Prof.
Gibbs, J. G., Ph.D. Minn., M.Agr. Sr. Lectr.
Robbins, R. G., M.Sc. Jr. Lectr.
..... Jr. Lectr.

*Chemistry*
Slater, S. N., D.Phil. Oxon., M.Sc., F.R.I.C. Prof.
Monro, A. D., M.Sc. Assoc. Prof.
Metcalf, W. S., D.Phil. Oxon., M.Sc., Mus.B. Sr. Lectr.
Harvey, W. E., Ph.D. Camb., M.Sc.
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.
Kalfas, Denise D. H., M.A. Syd. and Oxon., Dip.Class.Arch. Sr. Lectr.
Quinn, K. F., B.A. Camb. and N.Z. Lectr.
Carney, T. F., B.A. Lond. Lectr.

*Economics*
Belshaw, H., Ph.D. Camb., M.A. Dean, Fac. of Comm., Prof.
Heine, Hilda G., Ph.D. Berl., M.A. Sr. Lectr.
Shearer, J. O., M.A. Sr. Lectr.
Holmes, F. W., M.A. Lectr.

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

*Education*

Bailey, C. L., M.A., Dip.Ed. Prof.
Fieldhouse, A. E., Ph.D. Lond., M.A., Dip.Ed. Sr. Lectr.
Somerset, H. C. D., M.A. Sr. Lectr.
Odell, Betty F., M.A., Dip.Ed. (on leave) Jr. Lectr.

*English Language and Literature*

Gordon, I. A., M.A., Ph.D. Edin., LL.D. Brist.
Dean, Fac. of Arts, 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*

Buchanan, K. M., B.A. Birm. Prof.
McKenzie, D. W., M.Sc. Sr. Lectr.
Franklin, S. H., B.Com. Birm. Jr. Lectr.

*Geology*

Clark, R. H., Ph.D. Edin., M.Sc., F.G.S. Prof.
Bradley, J., M.Sc., Dip.Ed. Durh. Sr. Lectr.
Te Punga, M. T., M.Sc. Lectr.
McLean, D. B. G., 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, Mrs. Mary B., M.A. Jr. Lectr.
Turnbull, M. R. M., M.A. Jr. Lectr.

*Law, English and N.Z.*

Campbell, I. D., LL.M. Prof.
Barton, G. P., Ph.D. Camb., LL.M., B.A. Sr. Lectr.

Part-time Lecturers

Smith, W. S., LL.B. (Company Law & Bankruptcy).
Morrison, N. A., LL.B. (Procedure).
Pappo, L. M., LL.M. (Evidence).

*Law, Roman, etc.*

McGechan, R. O., B.A., LL.B. Syd. Dean, Fac. of Law, Prof.
Braybrooke, E. K., LL.M. Col. and N.Z. Sr. Lectr.

*Mathematics*

Campbell, J. T., Ph.D. Edin., M.A. Prof.
Seelye, C. J., Ph.D. Edin., M.Sc. Sr. Lectr.
Burns, J. C., B.A. Camb., Ph.D. Manc., M.Sc. Sr. Lectr.
Patterson, D., M.A., M.Sc. Lectr.
Harvie, D. C., M.Sc. Jr. Lectr.

*Modern Languages*

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.
Farquhar, D., B.A. Camb., B.A., Mus.B. Jr. Lectr.

*Philosophy*

Hughes, Rev. G. E., M.A. Glas. Prof.
Hudson, H., M.A. Sr. Lectr.
..... 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.
Rogers, G. L., M.A., Ph.D. Camb. Sr. 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. Sr. Lectr.
Angus, N. C, M.Com., Dip.Pub. Admin. Sr. Lectr.
Kahn, J. F., Dr. iur. utr. Munich Sr. Lectr.
Brookes, R. H., B.Sc. (Econ.) Lond. Lectr.

*Psychology*

Beaglehole, E., Ph.D., Lit.D. Lond., M.A., F.R.S.N.Z. (on leave) Prof.
Adcock, C. J., Ph.D. Lond., M.A. Sr. Lectr.
Congalton, A. A., M.A., Dip.Ed. Lectr.
Jenkin, N. S., M.A. Jr. Lectr.
Donald, Mrs. Marjorie N., M.A. Jr. Lectr.

*Social Science, School of*

Marsh, D. C., M.Com. Birm. Prof.-in-charge.
..... Sr. Lectr.
..... Lectr.

*Zoology and Biology*

Richardson, L. R., Ph.D., M.Sc. McG. Dean of Fac. of Sci., Prof.
Fell, H. B., Ph.D. Edin., M.Sc. Sr. Lectr.
Salmon, J. T., D.Sc., F.R.E.S. (Biol.) Sr. Lectr.
Ralph, Patricia M., M.Sc. Lectr.
Laird, M., Ph.D., M.Sc. Hon. Lectr.
Dawbin, W. H. I., M.Sc. Lectr.
Garrick, J. A. F., M.Sc. Jr. Lectr.

**Adult Education**

Hely, A. S., M.A., B.Com. Dir.
Tutor Organizers
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.
Martin, Nancy (Music).
King, Nancy E. M., Dip.H.Sc. (Home Sci.).
Wilson, B. A., Dip.H.Sc. (Home Sci).

## ADMINISTRATIVE AND OTHER STAFF

Liaison Officer: R. Hogg, M.A. Phys. Educn. Instr.: W. H. Landreth. Warden, Weir House: G. S. Orr, I.L.M., B.A.

## GENERAL INFORMATION

Established by Act of the N.Z. Legislature, 1897, and affiliated to the Univ. of N.Z., 1899. Endowed by Government with 4000 acres. College buildings, towards which Govt. gave £31,000, were opened in 1906; additional

wings for Library, etc., and for Physics erected 1921–22 at a cost of £50,000; Administrative Block opened in 1939. Annual grant, 1952, £133,000.

ADMISSION. V. p. 1036.

FULL DEGREE COURSES are provided in Arts, Science, Law and Commerce (v. pp. 1036-1037), and the earlier stages in other Faculties.

FEES. Arts (3 yrs.) about £55 (M.A., £9 : 9s. additional); Science (3-4 yrs.) about £70 (M.Sc., £12 : 12s. additional); Law (4-5 yrs.) about £85; Commerce (4 yrs.) about £60. The exact fees for the courses vary in accordance with the choice of subjects.

FACULTIES AND DEANS. *Arts*, Prof. I. A. Gordon; *Commerce*, Prof. H. Belshaw; *Law*, Prof. R. O. McGechan; *Science*, L. R. Richardson.

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; J. Joseph: postgrad. £200 for 2 yrs.

RESIDENCE. Weir House, Salamanca Rd., Kilburn, provides accommodation for about 95 men students. Fees, £3 : 10s. per wk. (*Telephone* (students): 45-012.)

PUBLICATIONS. *Calendar*, 3s. (Dec.); Students' *Magazine* published towards end of each session.

## THE YEAR 1952

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir John Sheppard, Camb.; Prof. C. K. Ingold, Lond.

RESIGNATIONS. E. A. Judge (Classics; Warden of Weir House), apptd. to Orford Studentship, Camb.; Jean M. Robertson (Soc. Sci.), apptd. Lectr. Univ. of Malaya.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1137 | 456 |
| Women | 313 | 166 |
| Total | 1450 | 622 |

Postgraduate students: 233 men, 71 women.

New admissions, 528.

Students from other countries: America, 7; India, 3; Fiji, 12; Federation of Malaya, 2; Samoa, 5.

DEGREES, ETC. (May 1952). B.A., 93; M.A., 33; LL.B., 23; LL.M., 2; B.Sc., 43; M.Sc., 22; B.Com., 23; M.Com., 1; Mus.B., 1; Dip.Ed., 4; Dip.Pub.Admin., 9; Dip.Soc.Sci., 8.

[*Information compiled as at 27/7/53.*]

# CANTERBURY AGRICULTURAL COLLEGE*
## LINCOLN

Founded 1873

*Postal Address*: Lincoln College, New Zealand.
*Telephone*: Christchurch 398 Ext. 7573.

VISITOR—THE MINISTER OF EDUCATION
DIRECTOR—M. M. BURNS, M.Sc., Ph.D. Aberd., F.N.Z.I.C.
ASST. DIRECTOR—J. W. CALDER, B.Agr., M.Sc., Dip.C.A.C.
REGISTRAR AND TREASURER—H. G. HUNT, B.Com.
LIBRARIAN—D. R. MUFF.

## TEACHING AND RESEARCH STAFF

*Agricultural Economics*
Weston, I. W., M.Sc., Ph.D. Lectr.

*Agricultural Law*
Wills, E. P., B.A., LL.M., M.Com. Pt.-time Lectr.

*Animal Husbandry*
Coop, I. E., D.Phil. Oxon., M.Sc. (on leave) (Animal H.) Prof.
Stevens, P. G., Dip.C.A.C. Sr. Lectr.
Hart, D. S., M.A. (Agric.) Camb. Lectr.
Hollard, M. G., M.Agr.Sc. Lectr.
Anderson, C. M., B.Sc. Chemist.
Clark, V. R. Res. Officer.

*Engineering*
Riddolls, A. W., B.E., B.Sc. Hd. of Dept., Sr. Lectr.
Lindsay, G. G., B.Sc.(Agr.) R'dg. Lectr.
Baird, W. C. Instr.
Frazer, R. Instr.
King, D. L. Res. Officer.

*Entomology*
Morrison, L., B.Sc. (Agr.) Aberd. Hd. of Dept., Sr. Lectr.
Doull, K. M., M.Agr.Sc. Lectr.

*Farm Management*
Flay, A. H., B.Sc., M.Agr.Sc., Dip.C.A.C. Assoc. Prof.
Garrett, H. E., B.Litt. Oxon., B.A., M.Agr.Sc. Sr. Lectr.
Cooke, M. B., Cert.Agr., Dip. C.A.C. Sr. Lectr.
Stewart, J. D., Dip.V.F.M. Asst. Lectr.
McGloin, P. H., Dip.V.F.M. Asst. Lectr.

Field Officers
Eva, I. McM., Dip.V.F.M., Dip. M.A.C.
Cosgriff, P. W., B.Agr.Sc.

*Field Husbandry*
Calder, J. W., B.Agr., M.Sc., Dip.C.A.C. Assoc. Prof.
Iversen, C. E., M.Agr.Sc., Dip. C.A.C. Sr. Lectr.

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

Veale, J. A., M.Sc. (on leave) Lectr.
Copp, L. G. L. Pt.-time Lectr.
Esler, A. E., B.Agr.Sc. Pt.-time Lectr.

*Horticulture*

McElroy, L. F. Sr. Lectr.
Glazebrook, J. H., B.Sc. (Hort.) R'dg. Lectr.
Bulman, R. S. Instr. and Hd. Gardener.

*Microbiology*

Blair, I. D., Ph.D. Lond., M.Agr.Sc. Hd. of Dept., Sr. Lectr.
Mulcock, A. P., M.Sc. Asst. Lectr.

*Rural Education*

McCaskill, L. W., M.Agr.Sc., Dip. C.A.C. Assoc. Prof.
Broadhead, B. G., B.Agr.Sc. Asst. Lectr.
Blackmore, R. C. Visual Aids Officer.

*Soils Science*

Walker, T. W., B.Sc., Ph.D. Lond., D.I.C. Prof.
Orchiston, H. D., M.Sc. Lectr.
Elphick, B. L., B.Sc. Lond. Res. Officer.
Adams, A. F. R., M.Sc. Res. Officer.

*Veterinary Science*

McLean, J. W., M.Agr.Sc., B.V.Sc. Syd., Ph.D. Calif. Assoc. Prof.
Thomson, G. G., B.Sc. (Vet. Sc.) Edin. Sr. Lectr.
Kyle, Miss A. S., B.V.Sc. Syd (on leave) Lectr.

*Wool*

Henderson, A. E., B.Agr.Sc., Ph.D. Lond. Sr. Lectr.
Simpson, J. C. Instr.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: G. H. McEwen, B.Com. Farm Manager, Coll.: C. P. Tebb, Dip.C.A.C., Dip.V.F.M. Farm Manager, Ashley Dene Farm: C. H. Haywood. Poultry Unit Manager: J. L. Stark. Visual Aids Officer: R. C. Blackmore. Matron: Miss E. A. Lilburne. Housemasters: J. D. Stewart, Dip.V.F.M.; D. Muff. Warden: J. D. Mackay, M.B.E., B.A., B.Sc.

## GENERAL INFORMATION

In 1872 the Provincial Council of Canterbury set aside certain lands for the endowment of higher education, including provision for a school of agriculture. Land suitable for the activities of such a school was bought at Lincoln in 1877 by the Canterbury College Board, which was administering the endowments, and Lincoln Agricultural College was opened in 1880. By the Canterbury Agricultural College Act, 1896, control of Lincoln Agricultural College was removed from the Canterbury College Board and vested in a separate Board of Governors, the College thenceforth being known as Canterbury Agricultural College. In 1913 a University Degree in Agriculture was instituted and the College was recognized as a School of Agriculture by the University of New Zealand. A series of amending Acts were passed between 1922 and 1927, and by legislation passed in the latter year the College became a College of the University.

CONSTITUTION. The Canterbury Agricultural College Act, 1930, with subsequent amendments, constitutes the present authority of the College. It is governed by a Board of Governors, whose members are elected as follows: 1 by Governor-General of N.Z., 3 by Canterbury Members of the House of

Representatives, 2 by Council of Canterbury University College, 1 by Council of University of Otago, 1 by South Island Agricultural and Pastoral Assns., 3 by South Island Federated Farmers of N.Z., 3 by grads., 1 by staff, and the Principal.

INCOME. 1952—total £140,450 : grant, 49 per cent.; fees and donations, 5 per cent.; endowments, 1·5 per cent.; trading, 44·5 per cent.

GEOGRAPHICAL LOCATION. The College is situated near township of Lincoln and about 13 miles south-west of Christchurch, South Island.

FARMS. College Farm of 1260 acres, Ashley Dene Farm of 880 acres, situated approx. 8 miles away from Coll. farm.

LIBRARY. 4000 volumes.

LABORATORIES. Biology, Chemistry, Engineering, Soils, etc.

CROP RESEARCH DIVISION of Department of Scientific and Industrial Research is located on the College farm. Also Ionosphere Station of D.S.I.R.

RESEARCH. Investigations are proceeding on wheat and other cereal crops, grasses and pasture plants, soils and manures, animal nutrition and disease, farm economics, wool production, agricultural engineering and plant diseases.

ADMISSION. V. p. 1036. Non-members of the University may be admitted to the Diploma Courses.

COURSES AND FEES. Degree Course (B.Agr.Sc.), 4 yrs.—lectures £22 : 10s. p.a. Board, £3 : 12 : 6 per week for academic year of approx. 30 weeks. Diploma of Agriculture Course (Dip.C.A.C.), 2 yrs., £131 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., £131 p.a. including board and tuition. Woolclassing Course, 12 weeks, £12 tuition. Special Courses for Third-year Training College Students in Agriculture, and for Soil Conservators. Various Short Courses in agricultural and horticultural subjects ; tuition, £1 per week.

PUBLICATIONS. Monthly Rural Education *Bulletin* ; *Annual Review* ; Chamber of Commerce *Bulletin*.

## THE YEAR 1952

NEW BUILDINGS. Short course bldg. to be erected as National Memorial to members of N.Z. Young Farmers' Clubs who died in second World War ; Dormitory block, Implement Instruction room and Engin Lab. ; Implement Shed, Maintenance Workshops, Refectory, Boiler House and Laundry under construction.

EXTRA-MURAL WORK. 100 lectures given by staff members at other Colls. and to outside organizations ; Farm Schools conducted by Dept. of Agric. and Farmers' Field Days. General Field Days attended by over 950. In addition, special Field Days carried out for 49 organized groups totalling 2466 persons. Conferences held at Coll. : Lincoln Coll. Farmers' Conference 1952 ; Conference of South Island Wool Brokers ; N.Z. Weeds Conference.

RESIGNATION. C. P. Tebb, Farm Manager, to Field Officer, Economic Section Meat and Wool Bd.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 378 | 157 |
| Women | 28 | 2 |
| Total | 406 | 159 |

Postgraduate students, 16.
New admissions, 80.
Students from other countries : 19. (Countries from which largest numbers came : India, 5 ; U.K., 4 ; U.S.A., 3 ; Australia, 2 ; Pakistan, 2.)

DEGREES, ETC., AWARDED. M.Agr.Sc., 8 ; B.Agr.Sc., 13 ; Dip.V.F.M., 16 ; Dip.Agr., 33 ; Dip.Hort., 3.

# MASSEY AGRICULTURAL COLLEGE

Founded 1926

*Postal Address*: Palmerston North, New Zealand.
*Telephone*: Palmerston North 7940.

CHAIRMAN OF COUNCIL—W. V. DYER, O.B.E.
PRINCIPAL—G. S. PEREN, C.B.E., C.G., B.S.A. Tor.
VICE-PRINCIPAL—W. RIDDET, B.Sc. (Agric.) Glas.
REGISTRAR—C. C. YATES, F.R.A.N.Z.
LIBRARIAN—MARY G. CAMPBELL, M.A. Edin.

## TEACHING AND RESEARCH STAFF

*Agr. Biochemistry*

Barnicoat, C. R., M.Sc., Ph.D. Minn., F.R.I.C. Hd. of Dept., Assoc. Prof.
McGillivray, W. A., M.Sc., Ph.D. Lectr.
Miller, T. B., Ph.D., B.Sc. Aberd. 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., Ph.D. Lond. Hd. of Dept.
Braae, G. P., M.Com. Jr. Lectr.

*Agr. Engineering*

McGregor, A. A. D., B.E., M.Sc. Hd. of Dept.
Dickson, A. J. Instr.
McKay, I. R. Instr.

*Agr. Zoology*

Tetley, J. H., D.Sc., M.Agr.Sc. Hd. of Dept., Assoc. Prof.

*Animal Genetics*

Dry, F. W., D.Sc. Leeds Hd. of Dept., Assoc. Prof.

*Dairy Husbandry*

Campbell, I. L., Ph.D. Missouri, B.Agr.Sc. Prof.
Hodgson, J. N., B.Agr.Sc. Sr. Lectr.
Green, S. L., M.Agr.Sc. Sr. Lectr.
Stewart, A., D.Phil. Oxon., M.Agr.Sc. Sr. Lectr.
Nalson, J. S., B.Sc. (Agric.) Leeds 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.

* Joint member of the staffs of the College and Dairy Research Institute.

*Dairy Technology*
Ward, J. W. Sr. Lectr.

*Horticulture*
Hockey, K. C. Hd. of Dept.
Richards, M., B.Sc. (Hort.) Nott. Lectr.
O'Brien, Margaret Instr.

*Microbiology*
Sargent, J. D., M.Sc. Hd. of Dept.
Wenham, H. T., M.Sc. Lectr.
Cox, G. A., M.Sc.* Lectr.

*Poultry Husbandry*
Kissling, J. H. Lectr. and Mgr.

*Sheep Husbandry and Wool Classing*
Rae, A. L., M.Agr.Sc., Ph.D. Iowa Prof.
Gibson, A. J., B.Agr.Sc. Sr. Lectr.
Watt, K. D. Sr. Lectr.
Barton, R. A. Lectr.
Small, E. Lectr.
Watson, N. Lectr.
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. (Field Husb.) Lectr.
Cross, M. W. (Farm Machinery) Lectr.
Fife, C. V., M.Sc. (Soils and Manures) Sr. Lectr.
Hopewell, H. G., M.Agr.Sc. (Soils and Manures) Lectr.
Hogg, J. B., B.Sc., B.Agric. (Soils and Manures) Lectr.
..... (Inorg. Chem.) Jr. Lectr.
Bowler, D. G. Drainage Advisory Officer.

*Veterinary Pathology and Animal Physiology*
Webster, W. M., B.Sc. Edin. Hd. of Dept.
Newhook, J. C. Sr. Lectr.
Reynolds, B. A. 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: .....

## GENERAL INFORMATION

The College was estabId. under the New Zealand Agricultural College Act in Sept. 1926 as the result of an agreement between Victoria Univ. Coll., Wellington, and Auckland Univ. Coll. to amalgamate their respective Schools of Agric. and to establish the new Coll. in the Palmerston North-Marton area. On July 29, 1927, an amending statute, the Massey Agricultural College Act, was passed, and the Coll. estabId. under its present title. A further amending and consolidating Act, the Massey Agricultural College Act, 1952, was subsequently passed.

The College is financed mainly by Govt. grant. It is governed by a Council of 13, whose members are elected as follows: 4 by Governor-General, 2 by Council of Auckland Univ. Coll., 2 by Council of Victoria Univ. Coll., 1 by Palmerston North City Council, 1 by grads., 1 by holders of dipls., 1 by profs. and lectrs., and the Principal.

* Joint member of the staffs of the College and Dairy Research Institute.

LIBRARY. 14,000 vols.

LABORATORIES, FIELD STATIONS, ETC. Main sci. bldg. contains lecture rooms, teaching and res. labs., library, assembly hall, studies, common rooms, etc. Large homestead of some 10,000 sq. ft. adjacent to main bldg., known as "Wharerata," recently purchased and fitted up as lecture rooms and studies for Econ., Hortic. and Sheep Husb. Depts. Other bldgs. for wool teaching, engin. and carpentry instruction, stock demonstration, machinery demonstration.

The COLLEGE FARMS comprise some 4100 acres, 1250 acres being situated at the Coll., 1050 acres 8 miles distant and 1800 acres 60 miles distant. Full facilities are available for teaching hortic., including 22 acres of representative collections of herbaceous plants, trees and shrubs, a range of glasshouses, a nursery and propagating house, orchard and small fruits, vegetable and cut flower areas.

ADMISSION. For degree courses, any person who has passed the Matricn. Examn., or has completed part of an undergraduate course, or been admitted to a degree at any Univ. other than the Univ. of N.Z. may be admitted *ad eundem statum* in the Univ. of N.Z., but the course taken and standard attained at such other Univ. must be substantially equivalent to the course and standard required from an undergraduate or graduate of the Univ. of N.Z. of the status to which such person applies to be admitted. Overseas students desiring to enter any of the degree courses at Massey Agric. Coll. should supply with their applicn. full details of the undergraduate course or graduate course already taken, in order that their probable position as regards admission *ad eundem statum* might be made known to them. Subsequently, formal applicn. must be made to the Registrar of the Univ. of N.Z., and for this purpose students should bring with them evidence of their academic standing and of any degree obtained at their former Univ., including the syllabus of the course taken. The first yr. (Interm.) of degree courses cannot be taken at Massey but may be taken either at one of the four main Univ. Colls. in the Dominion or at an overseas Univ. For other than degree courses, no examn. qualification is required, but certain pre-course practical experience is called for. The minimum age of entry is 18 yrs. *See also* p. 1036.

DEGREES AND DEGREE COURSES. B.Agr.Sc. and B.Agr.Sc. (Hort.)—1 yr. (Interm.) taken elsewhere, plus a 3-yr. Professional course here. B.Agr.Sc. (Dairy Tech.)—1 yr. (Interm.) taken elsewhere, plus a 4-yr. Professional course taken here. M.Agr.Sc., M.Agr.Sc. (Hort.), and M.Agr.Sc. (D.Tech.)—Normally, 1 yr. following the Bachelor course but in some cases, especially overseas students, 2 yrs. are required. Ph.D.—A 2-yr. full-time course open to candidates who have been admitted to a Master's degree of Univ. of N.Z. (either by examn. or by admission *ad eundem statum*) at the standard of 1st or 2nd Class Hons. CERTIF. OF PROFICIENCY—Any matriculated person may undergo a course in any one or more subjects of the degree courses for Univ. of N.Z. Certif. of Proficiency in that subject or subjects.

DIPLOMAS, CERTIFICATES. Dipl. in Agric. (Dairy Farming and Sheep Farming options), Dairying (Buttermaking, Cheesemaking or Market Milk options), Hortic., Wool and Wool Classing. Dipl. courses, except Dairying, cover 2 yrs. Dairying—3 winter terms. Certif. in Poultry farming—1 yr. Various short courses also available.

Facilities available for postgrad. study or res. in most branches of agric.

FEES. Ph.D., £21; Master's Degrees, £12 : 10s.; Professional course for B.Agr.Sc., B.Agr.Sc. (Hort.), B.Agr.Sc. (D.Tech.), £67 : 10s., spread over

period of course ; Dipl. in Agric. (Sheep Farming), £40 ; Dipl. in Hortic., £45 ; Dipl. in Agric. (Dairy Farming), £35 ; Dipl. in Wool Classing, £25 ; Dipl. in Dairying, £30.

ACADEMIC YEAR. February to October.

The DAIRY RESEARCH INSTITUTE AND THE GRASSLANDS DIVISION (D.S.I.R.), which are the centres for N.Z. for dairy and grasslands res. respectively, are located at the Coll. Both institutions co-operate with the Coll. in the provision of material for teaching and for postgraduate res.

STUDENT RESIDENCES. 2 men's hostels accommodating 270. One women's hostel accommodating 25. Fees, per week, Men—£3 : 10s. ; Women—£3 : 7 : 6. Postal address : Massey Agric. Coll., Palmerston North.

STUDENTS' ASSOCIATION. The Assocn. caters for the athletic and social side of the student's life. Excellent facilities available for cricket, tennis, swimming, athletics, hockey, shooting, football, etc.

PUBLICATIONS. *Calendar* (Feb.), free. *Sheep Farming Annual* (10s.) and *Dairy Farming Annual* (10s.) (proceedings of annual meetings of sheep farmers and dairy farmers held at the Coll.), (Oct.-Dec.). *Wool* (Oct.) (4s.). Students' Assocn. : *Bleat* (students' mag., annual, 2s. 6d.), *Chaff* (monthly during session, 4s. p.a.). Also a series of technical publications.

## THE YEAR 1952

RESIGNATION. C. P. W. Vautier (Ag.Econ.), to private employment.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 168 | 264 |
| Women | 66 | 17 |
| Total | 234 | 281 |

Postgraduate students, 27.

New admissions, 357.

Students attending for farmers' weeks, etc., 847.

Students from other countries, 31. (Countries from which largest numbers came : Aust., 9 ; U.K., 5 ; America, 4 ; Persia, 3 ; India, 3 ; Kenya, 3.)

DEGREES. M.Agr.Sc., 12 ; B.Agr.Sc., 9 ; B.Agr.Sc. (Dairy Tech.), 1.

COLLEGE DIPLOMAS. Dipl. in Agric., 35 ; Dipl. in Hortic., 9 ; Dipl. in Dairying, 15 ; Dipl. in Wool and Wool Classing, 13.

# SOUTH AFRICA

UNIVERSITY OF CAPE TOWN (p. 1080)
UNIVERSITY OF NATAL (p. 1091)
UNIVERSITY OF THE ORANGE FREE STATE (p. 1100)
POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION (p. 1104)
UNIVERSITY OF PRETORIA (p. 1109)
RHODES UNIVERSITY (p. 1124)
UNIVERSITY OF SOUTH AFRICA (p. 1130)
UNIVERSITY OF STELLENBOSCH (p. 1133)
UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG (p. 1141)

[*Revised June* 1953.]

# UNIVERSITIES OF THE UNION OF SOUTH AFRICA

HISTORICAL SUMMARY (originally contributed by Professor Ritchie of Cape Town, revised by Sir Carruthers Beattie, formerly Vice-Chancellor of the University of Cape Town, and subsequently revised annually by the Vice-Chancellors' Committee). The history of higher education in S. Africa covers but a comparatively short period of time. It may be said to have had its beginnings when, in 1829, the S. African College (now incorporated in the Univ. of Cape Town) was founded, as a proprietary institution, by a number of progressive citizens of Cape Town, assisted by subscribers from various parts of the country. This institution was, at its inception and for a long time afterwards, not much more than a higher-class school, but it had within it the possibilities of growth and started with very high aims. It had a very chequered history for some time, and was on more than one occasion in danger of extinction, but it gradually acquired a stronger position on ceasing to be a proprietary institution and receiving support from the public funds. For 20 years it remained the only educational establishment in S. Africa which aspired to anything beyond the range of elementary education, but in 1849 a rival College (the Diocesan) was started under the ægis of the Episcopalian Church at Rondebosch, a suburb of Cape Town. A few years later, in 1855, a somewhat similar College, St. Andrew's, was founded in Grahamstown, in the eastern part of the Cape Colony. Under the Governorship of Sir George Grey there was founded, in 1855, the Grey College at Bloemfontein in the Orange Free State, the first attempt at higher education beyond the borders of the then Cape Colony. None of these Colleges was well equipped, and most of the work done by them was school work rather than Univ. work, but they gradually acquired a growing influence and formed centres at which development was only a question of time. A very strong impetus in the direction of higher education was given in 1858 by the establishment of a Board of Examiners in Literature and Science. This Board had in view in the first instance the testing by means of examination of the competency of candidates for the Civil Service and public offices, but it soon extended its scope and started examinations on more distinctively Univ. lines, corresponding roughly to Matricn., B.A. and M.A. The competition between the existing Colleges caused by these examns. had undoubtedly a strong influence on the growth of these Colleges and the greater attention paid to subjects beyond the mere school range. This Board continued to exist until 1873, when a successful attempt was made to institute a Univ. for S. Africa. The Univ. of the Cape of Good Hope, which was then founded, continued to exist until the beginning of 1918, when it was transformed into the Univ. of S. Africa, with its administrative seat at Pretoria. This Univ. was modelled

on the lines of London Univ., as then existing, as a purely examining body. It was governed by a Council, half of whose members were nominated by the Government, half elected by the members of Convocation. It had no constitutional connexion with the Colleges which prepared students for its examns., but the members of the Council who were elected by Convocation tended gradually to be almost entirely members of the teaching staffs of the various Colleges. In this indirect fashion the Colleges had a considerable influence on the development of the Univ. and the extension of the range and scope of its examns. Almost at the same time as the founding of the Univ. of the Cape of Good Hope there was passed by the Cape Parliament a Higher Education Act, which gave definite salary grants to the professors at recognized Colleges. This Act, together with the new impulse given to higher education by the new Univ., had a very marked influence on the development of the Colleges, which now began to increase in staff and numbers of students. The new College of Stellenbosch (afterwards the Victoria College and now the Univ. of Stellenbosch) was founded in 1874, and grew very rapidly, until it was a formidable rival of the older College at Cape Town. Other Colleges were founded also at Somerset East (Gill College) and Port Elizabeth (Grey Institute), but these had only a very short term of life. At a considerably later period, as S. Africa grew in population and wealth, other Colleges sprang into existence. A College for women (the Huguenot College) was founded at Wellington in 1898 and continued until the end of 1950, when it ceased to exist. In 1904 St. Andrew's College at Grahamstown separated its College department from its school, and the former became incorporated as the Rhodes College. In the same year a School of Mines which had been founded in 1896 at Kimberley was transferred to Johannesburg, and afterwards developed into a College for higher education generally, which is now the University of the Witwatersrand. In 1908 a Univ. College was founded at Pretoria,* 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.

These Acts also made provision for the establishment of a Joint Matriculation Board (*see* Appendix I) and a Joint Committee for Professional Examinations (*see* p. 1079).

The three new Universities of Cape Town, South Africa and Stellenbosch came into being in 1918. The University of South Africa began with six constituent colleges, viz. : Huguenot (Wellington) ; Johannesburg ; Natal (Pietermaritzburg) ; Orange Free State (Bloemfontein) ; Rhodes (Grahamstown) ; and Transvaal (Pretoria).

In 1921 the teaching institution at Potchefstroom was admitted as a constituent college. It was not long, however, before a movement began for the incorporation of the constituent colleges as independent teaching Universities, except Huguenot which ended its career in 1950. The first constituent college to come into being as a University was that of Johannesburg (University of the Witwatersrand, Johannesburg, 1922) ; followed by Pretoria (University of Pretoria, 1930), Natal (University of Natal, 1949), Orange Free State (University of the Orange Free State, 1950), Rhodes (Rhodes University, 1951) and Potchefstroom (Potchefstroom University for Christian Higher Education, 1951).

With the disappearance of all its constituent colleges the University of South Africa was re-incorporated under the same name in 1951 as an examining body for external students. It has a Division of External Studies.

In 1923 the South African Native College at Fort Hare,* established primarily for the benefit of the native races in South Africa, was incorporated under the Higher Education Act of that year and prepared students as external candidates for examinations conducted by the University of South Africa until its affiliation with Rhodes University 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

* Now University College of Fort Hare.

consists of two members appointed by the Council, Director and Professor of the Division of External Studies and lectrs. of the Division who are heads of depts. recognized by the Council for representation on the Senate, two representatives of the Senate of each of the other Univs. in South Africa, and not fewer than eight other persons who are Professors or lectrs. at the other Univs. in South Africa. The Senates of the other Univs. consist in each case of the Principal or Rector, the Vice-Chancellor, two additional members of the Council appointed for a prescribed period, and the Professors and, in addition, at Pretoria and the Orange Free State, Heads of Depts., and at Natal, Directors or Heads of such research institutes as fall under the control of the Council, and the Librarian of the University. At the Univs. of Cape Town and the Witwatersrand two Assessor members are elected annually by the Lecturers.

All the Universities offer degrees in the ordinary Arts and Sciences and one or more of them provide training for the following professions, *e.g. Agriculture*: Natal, Pretoria, Stellenbosch; *Architecture*: Cape Town, Natal, Pretoria, Witwatersrand; *Dentistry*: Pretoria, Witwatersrand; *Engineering*: Cape Town, Natal, Stellenbosch, Witwatersrand; *Fine Art*: Cape Town, Natal, Witwatersrand; *Forestry*: Stellenbosch; *Medicine*: Cape Town, Natal, Pretoria, Witwatersrand; *Music*: Cape Town, Orange Free State, Rhodes, Stellenbosch, Witwatersrand; *Theology*: Potchefstroom, Pretoria, Rhodes, Stellenbosch; *Veterinary Science*: Pretoria; *Commercial and Legal Training*: all the teaching Universities. Schools of African Life and Languages have been established at four of the Universities.

The training of secondary teachers has been left to the Universities, and all the institutions endeavour to carry out this training. The training of primary teachers is, to a much smaller extent, provided for in the Universities, the main work in this instance being carried on in training colleges under the provincial Departments of Education.

SCHOLARSHIPS. Open to graduates of all South African Universities: 1851 Exhibition Scholarships, £450 p.a. for 2 yrs. (in exceptional cases, 3 yrs.), tenable at any institution approved by the Commissioners; Beit Fellowships, £240 p.a. for 2 yrs., tenable at Imperial College, London; H. B. Webb, maximum £300 p.a. for 2 yrs.; Union, £300 for 2 yrs. Open to graduates of the Universities of Cape Town and Stellenbosch: Croll Memorial, Porter, George Grey, Queen Victoria, Donald Currie, Ebden, all £300 for 2 yrs.; W. Hiddingh, £266 p.a. for 3 yrs.; Maynard, £90 p.a. for 2 yrs. The Ebden scholarship is tenable only at Cambridge.

Elsie Ballot Scholarships, £400 p.a. for 2-3 yrs., tenable at Cambridge; basis of selection as for Rhodes Scholarships. Further information from the Joint Trustees (The Secretary, Ballot Scholarships, University Registry, Cambridge, and Barclay's Bank, D.C.O. (Trustee Department), Box 434, Pretoria).

For Rhodes Scholarships, *see* p. 460.

*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 and the Director of External Studies of the University of South Africa. The Committee was established for the purpose of considering matters of common interest and acting on behalf of the institutions on matters not specifically assigned to the Vice-Chancellors' Committee.

S.A. UNIVERSITIES' BUREAU. A central bureau, called the South African Universities' Bureau, was established in 1950. The primary functions of the Bureau are to undertake the secretarial duties of the Committee of Principals and to act as liaison office of the Committee of Principals with the Association of Universities of the British Commonwealth. The address of the Secretary of the Bureau (who is also Registrar of the University of Cape Town) is P.O. Box 594, Cape Town.

ADMISSION. *See* Appendix I.

The JOINT COMMITTEE FOR PROFESSIONAL EXAMNS. (address—P.O. Box 392, Pretoria), consisting of 2 representatives of each of the Univs. (one for Law and one for Survey) and 5 persons appointed by the Govr.-General (of whom at least 2 must be for Law and 2 for Survey), controls and conducts: (1) Attorneys' Admission Examn., (2) Civil Service (Lower and Higher) Law Examns., (3) Examns. in Theory of Land Surveying and (4) Examn. for Patent Agents. It also conducts, in certain cases, on behalf of the Supreme Court, the Advocates' Admission Examn. in Roman-Dutch Law and the Statute Law of the Union, and the Supplementary Attorneys' Admission Examination.

[*Information compiled as at June* 1953.]

# UNIVERSITY OF CAPE TOWN*

Founded 1918

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CHANCELLOR—Hon. Mr. Justice A. VAN DE SANDT CENTLIVRES, Q.C., B.A. Cape, LL.D.

PRINCIPAL AND VICE-CHANCELLOR—T. B. DAVIE, LL.D. Camb., B.A. Cape, M.D. Liv., F.R.C.P.

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CHAIRMAN OF COUNCIL—W. DUNCAN BAXTER, LL.D.

REGISTRAR—A. V. H. CARTER.

LIBRARIAN—R. F. M. IMMELMAN, B.L.S. Col., M.A., F.L.A.

## TEACHING STAFF

*Accounting and Business Method*

Greenwood, H. Prof.
30 Pt.-time Lectrs.

*African Studies*

Wilson, Mrs. Monica M., M.A., Ph.D. Camb. (Soc. Anthropol.) Prof.
Lestrade, G. P., A.M. Harv., M.A., F.R.S.S.Af. (Bantu Langs.) Prof.
Goodwin, A. J. H., M.A. Camb., F.R.S.S.Af. (Ethnol. and Archæol.) Sr. Lectr.

Lecturers

Simons, H. J., M.A. S.A., Ph.D. Lond. (Native Admin.).
Jordan, A. C., M.A. S.A. (Bantu Langs.).
Fortune, Rev. G., M.A., Ph.D.
1 Jr. Lectr., 2 Demrs., 1 Clerical Asst.

*Anatomy*

Drennan, M. R., M.A., M.B., Ch.B. Edin., F.R.C.S.Ed., F.R.S.S.Af. Prof.
Singer, R., M.B., Ch.B. Sr. Asst.
Keen, E. N., M.B., Ch.B. Lectr.
Marr, J. A. S., M.B., Ch.B., F.R.C.S. (Surg. Anat.) Lectr.
5 Pt.-time Assts., 2 Tech. Assts.

*Architecture*

White, L. W. T., F.R.I.B.A. (Archit.) Prof. and Dir., Sch. of Arch.
Pryce-Lewis, O., A.A. Dip. Asst. Dir., Sch. of Arch.

Senior Studio Masters

Butt, J. E., F.R.I.C.S.
Sturrock, F. L.

Studio Masters/Lecturers

Pett, D. W., B.A. Camb.

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

Klop, U. H.
Anderson, W. G. D., B.A.
Floyd, H. C., B.A.Arch.
Downie, N. C.
Emary, J. E., B.A.Arch.
Taute, M. P.
Downie, Mrs. Margaret N.
Field, G. D.
Morris, A. S.
Salmon, I. A. D.
Soltynski, R. M.
5 Assts., 2 Clerical Assts.

*Bacteriology*, v. Pathology

*Botany and Bolus Herbarium*

Isaac, W. E., B.Sc., Ph.D. Wales Harry Bolus Prof.
..... Harold Pearson Prof., Dir. of National Bot. Gdns.
Bolus, Mrs. Harriet, B.A. Cape, D.Sc. Stell., F.R.S.S.Af. Curator, Bolus Herbarium.

Lecturers

Schelpe, E. A., M.Sc. S.A., D.Phil. Oxon.
Olivier, Dorothea L., B.Sc. Rand., M.Sc.
Schütte, K. H., Ph.D. Dub.
Gray, Anna, B.Sc. Jr. Lectr.
..... Jr. Lectr.
8 Demrs., 3 Assts.; Bolus Herbarium, 1 Clerical Asst.

*Chemistry*

Pugh, W., D.Sc. Lond., Ph.D., F.R.I.C., F.R.S.S.Af. Prof. and Hd. of Dept.
Holliman, F. G., M.A., Ph.D. Camb. Mally Prof.

Senior Lecturers

Sebba, F., M.Sc. Pret., Ph.D., F.R.I.C.
Spong, A. H., M.Sc. Lond., Ph.D. Camb.
.....

Lecturers

Stephen, A. M., D.Phil. Oxon., M.Sc., Ph.D.
Arnold, R., M.Sc. Rand.
Lamchen, M., M.Sc. Pret., Ph.D. Lond.
Prout, E. G., M.Sc., Ph.D. S.A.
4 Jr. Lectrs., 5 Tech. Assts., 2 Demrs., 1 Clerical Asst.

*Classics*

Baldry, H. C., M.A. Camb. (Gk.) Prof. and Hd. of Dept.
Rollo, W., M.A., D.Litt. Glas., Litt.D. Leyden Prof.

Lecturers

Burrows, L., B.A. Liv.
Hewitt, W. H., B.A. Oxon., M.A.
Pope, M. W. M., B.A. Camb.
1 Demr.

*Commerce*

Hutt, W. H., B.Com. Lond. Prof.
Horwood, O. P. F., B.Com. Sr. Lectr.

Lecturers

Gurzynski, Z. S. A., B.Com. Lond.
Hansman, G. H., M.Sc., Ph.D., F.I.A. (Actuarial Service).
2 Clerical Assts., 3 Pt.-time Assts.

*Economics*

Robertson, H. M., M.A. Leeds, Ph.D. Camb. Jagger Prof.
Garmany, J. W., B.A., B.Litt. Oxon. Sr. Lectr.
van der Horst, Sheila T., Ph.D. Lond., M.A. Lectr.
Dagge, A. J. C., B.A. Jr. Lectr.
Arkin, M., B.Com. Jr. Lectr.
2 Demrs.

*Education*

Pells, E. G., B.Sc., B.Litt. Oxon., M.A., B.Ed. (in English) Prof.
Burger, J. F., M.A., Ph.D. (in Afrikaans) Prof.
..... 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. (Elocution).
Hart, Ida E. J., M.A., B.Ed., Ph.D.
Groves, Mary E., M.A. Asst.
Hoffa, Sylvia C. Drill Instr.
9 Assts.

*Engineering*, v. *infra*

*English*

Doughty, O., M.A. Durh., B.Litt. Oxon. (E. Lit.)
Arderne Prof. and Hd. of Dept.
Casson, L. F, M A., B.Litt., Ph.D. (E. Lang.)
De Beers Prof.
Cavers, Dorothy L., B.Litt. Oxon., M.A., B.Ed. Sr. Lectr.
Segal, P., M.A. Lond., B.Ed. Lectr.
Whittock, T. G., B.A. Oxon. Jr. Lectr.
Gibbs, J. M , B.A. Oxon. Jr. Lectr.
3 Demrs

*Fine Art School*

Shephard, R. N., Slade Dip. of Fine Art, Lond. Prof.
Mitford-Barberton, I. G. Lectr.
Twine, S. W. Lectr.
Esmonde-White, Eleanor F. Lectr.
van Essche, M. Lectr.
Simmers, M. (Drawing) Asst.
7 Pt -time Assts.

*French*

Inskip, D. P., M.A. Glas., L. ès L. Nancy Prof.
Greshoff, C. J., M.A. Lectr.
Einhorn, Mrs. Elsabe C., M.A. Jr. Lectr.

*Geography*

Talbot, W. J., B.Sc. Lond. Prof
Hobson, Peggie M., B.Sc. Lond., Ph.D. St And , Dip.Ed. Oxon. Lectr.
Mabbutt, J. A., B.A. Camb. Lectr.
1 Demr.

*Geology*, v. Mineralogy

*German*

Rosteutscher, J. H W., D.Phil. Breslau, Ph.D. Camb. Prof.
Hinderks, H. E , M.A., Ph.D. Basle Lectr
Eggstein, P., Ph.D. 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. and S.A. Sr. Lectr.
Van der Poel, Jean, Ph.D. Lond., M.A., B.Ed. Lectr
Clark, J. B., M.A. Oxon., M.A. Lectr.
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.
. . . . . .
18 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.

Lecturers

Langerman, S. M., M.Sc., M.A. Camb.
. . . . . .
Whiteman, J. H. M., M.A. Camb., Ph.D.
Rutovitz, D., B.Sc. Jr. Lectr.

*Mathematics, Pure*

Sears, D. B., D.Sc. Rand. Prof.
Skewes, S., Ph.D Camb., M.A., B.Sc. Sr. Lectr.

Lecturers

.....
Household, K. O., B.Sc. Rand., M.A. Prin., M.Sc.
.....
1 Jr Lectr , 5 Demrs

*Mineralogy and Geology*

Walker, F., M.A Camb., Ph.D., D Sc. Edin. Philipson-Stow Prof.
Vincent, H. C. G., M A. Camb. Sr. Lectr.
Mathias, Mrs. Frances C. M. Lectr.
Simpson, E. S. W. Lectr.
..... Jr. Lectr.
1 Res. and Museum Asst., 1 Demr.

*Music*

Chisholm, E., D Mus. Edin., F.R.C.O Prof and Dir. of Coll.
..... Asst. to Dir.

Senior Lecturers

van Wyk, A.
Neuss, Maria.
Armhold, Adelheid.
Rubens, H , Mus.Bac.

Lecturers

Pulvermacher, G.
Dennis, E. J.
van de Vliet, Elizabeth, Dip. Royal Conservatorium, The Hague.
Taylor, J. C.
Hall, L., B.A., B.Mus.
.....
Stevenson, Primrose Asst.
2 Clerical Assts., 36 other staff.

*Nederlands Cultural History*

Bax, D., Litt.D. Nijmegen Prof.

*Nederlands and Afrikaans*

Scholtz, J. du P., M.A. Stell., Litt.D. Amst. Hofmeyer Prof.
van der Merwe, I. W., M.A Sr. Lectr

Lecturers

Bax-Botha, Mrs. Marie A., M.A. S.A.
Verhage, J. A., M.A., Ph.D.
Opperman, D. J., M.A.
1 Jr. Lectr.

*Philosophy*

Murray, A. H., M.A. Stell., B.Litt., D.Phil. Oxon. Prof.
Versfeld, M., Ph D Edin , M.A. Sr. Lectr.
du Plessis, S. I M , D Phil. Lectr.
2 Jr. Lectrs

*Physics*

James, R. W., M.A. Camb., B Sc. Lond., F.I.P. Prof.
..... Prof.
Grindley, E. N., M.Sc. Brist., Ph D. Sr. Lectr.
Schaffer, W., M.Sc , Ph D. S.A. Sr. Lectr.

Lecturers

Cormack, A. M.
Juritz, J. W. F., M.Sc.
van Schalkwyk, T. G. D., M.Sc.
Buchowiccki, J.
2 Jr. Lectrs., 4 Demrs., 4 Tech. Assts.

*Physiology and Pharmacology*

Irving, J. T., M.A., Ph.D., M.D. Camb. Prof.

Senior Lecturers

Budtz-Olsen, O. E., M.B., Ch.B.
Zwarenstein, H. J., D.Sc. Manc., M.A., M.Sc.
Sapeika, N., M.B., Ch.B.

Lecturers

.....
.....
1 Jr. Lectr., 6 Pt.-time Lectrs., 4 Demrs., 5 Tech. Assts., 1 Clerical Asst.

*Psychology*

..... Prof.

Taylor, J. G., M.A. Aberd. (Psychol.) Sr. Lectr.
Grover, Vera M., M.A. Lectr.
Heyns, I. de V., M.Sc., M.Ed. Lectr.
Raath, Magdalena J. Res. Asst.
1 Tech. Asst., 1 Asst., 1 Clerical Asst. (Sci. Fac.).

*Social Science*

Batson, E., B.Sc. (Econ.) Lond. Prof.
Flegg, Mrs. Hilary, B.Soc.Sc. Supervisor, Field Work.
Helm, Mrs. Brunhilde, B.A.Soc.Sc. Lectr.
Batson, Mrs. Helen M., B.Sc. (Econ.) Lond. Res. Asst.
1 Clerical Asst., 1 Asst.

*Speech Training*

van der Gucht, Rosalie E., Dip. Dramatic Art Lond. Lectr.
Taylor, Mavis L. Asst.
Mills, Alice G. Asst.
5 Pt.-time Assts.

*Zoology*

Day, J. H. O., D.F.C., Ph.D. Lond., B.Sc. S.A. Prof.
Krijgsman, B. J., D.Sc. Utrecht Sr. Lectr.
Patterson, Nellie, D.Sc. Rand., Ph.D. Camb. Lectr.
Broekhuysen, G. J., Ph.D. Leyden Lectr.
Millard, Mrs. Naomi A. H., M.Sc. Lectr.
2 Jr. Lectrs., 1 Clerical Asst., 1 Tech. Asst., 3 Demrs.

## Engineering

v. also Maths., *supra*

*Civil Engineering*

Robertson, R. G., B.A. Oxon. Corporation Prof.
King, W. H., B.A., B.Sc., C.Eng. Durh. Sr. Lectr.
Robertson, D. C., B.Sc. (Eng.) Sr. Lectr.
..... Lectr.
Betts, N. O., B.Sc. Lectr.
Kilner, F. A., M.A., D.I.C. Lectr.
2 Assts., 2 Tech. Assts., 1 Clerical Asst. (also Elect. and Mech. E.).

*Electrical Engineering*

Guelke, R. W., Ph.D. Gött. Corporation Prof.

Senior Lecturers

Besseling, J. L. N., B.Sc., Ph.D.
Webster, G. H., M.Eng. Sheff.

Lecturers

Einhorn, H., Dr.Ing. Berl.
Enslin, C. N., B.Sc. El. Eng.
.....
2 Tech. Assts., 1 Demr.

*Land Surveying*

Menzies, G. H., B.Sc. Prof.
West, I. D. (Theory of Land S.) Sr. Lectr.

Lecturers

Chiat, B., B.Sc.
Cassidy, T. J., B.Sc.
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.
Guthrie, A. M., B.Sc. Asst.
2 Assts., 3 Tech. Assts.

## Medicine

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

..... Prof. of Med. Educn.

Administrative Staff

de Wet, J. M. B., B.A., M.D., D.P.H. Med. Supt.
Cloete, N. H. G., M.B., Ch.B. Edin. Asst. Med. Supt.
Steyn, J. G., M.B., Ch.B. Asst. Med. Supt.

*Anæsthetics*

Jones, C. S., M.B., Ch.B., M.S. Minn., D.Anæs. Lectr.

Medical Practitioners

Cluver, J. A., M.B., Ch.B.
Herries, J. W., M.B., Ch.B. Edin.
Atkins, L.
Whitaker, A. M.
Henderson, G. G., M.B., Ch.B.
Carstens, J. J., M.B., Ch.B.
Bull, A. B., M.B., Ch.B.
Ozinsky, J., M.B., Ch.B.
Knipe, S. F.
Harrison, G. G., M.B., Ch.B.
Blankenberg, B., M.B., Ch.B.
7 Pt.-time Med. Practrs.

*Dental Service*

Wolff, H., L.D.S. (Dental) Pt.-time Dental Surgeon.
1 Pt.-time Med. Practr.

*Dermatology*

Lang, R., M.B., B.Ch. Dub. Lectr.
Walker, J., M.B., Ch.B. Med. Practr.
8 Pt.-time Med. Practrs.

*Diseases of Children*

Ford, F. J. Prof. of Child Health.

Medical Practitioners

Smythe, P. M., M.B., B.Ch.
Rabkin, J. W., M.B., Ch.B. Edin.
McDonald, R., M.A., D.M., D.C.H.
10 Pt.-time Staff.

*Ear, Nose and Throat*

Maytham, D. V., M.B., Ch.B., D.L.O. Med. Practr.
de Villiers, J., M.B., Ch.B., M.S.R. (Elect.) N.T.C. Med. Practr.
4 Pt.-time Staff.

*Forensic Medicine*

Turner, R., M.B., Ch.B., D.P.H. Prof.
..... Pt.-time Sr. Lectr.
..... Pt.-time Lectr.
..... Pathologist.

*Gynæcology*, v. Obstetrics and Gyn.

*Infectious Diseases*

Ackerman, H. R. Lectr.
2 Clin. Tutors.

*Leprosy*

1 Pt.-time Lectr.

*Medical Ethics*

Impey, R. L., M.C., M.D., F.R.C.S. Ed. Lectr.

*Medicine, General*

Forman, F., B.A. Cape, M.B., Ch.B. Aberd. Prof.
Brock, J. F., M.A., B.Ch., D.M. Oxon. Prof.

Medical Practitioners

Moll, A. M., M.D. Edin., B.A.
Mirvish, L.
le Roux, D. G.
Bronte-Stewart, B., M.D., Ch.B.
Bailey, M. J., M.B., Ch.B.
Slome, R., M.B., Ch.B.
Oosthnizen, L., M.B., Ch.B.
Landsman, G. B., M.B., Ch.B.
Merskey, C., M.B., Ch.B.
Jackson, W. P. U., M.A., M.D., B.Chir. Camb., D.Ch.
Eales, L., M.B., Ch.B.
Myers, H. S., M.B., Ch.B.
26 Pt.-time Med. Practrs.

*Medicine, Psychological*

Key, G. J., M.B., Ch.B. Aberd. Lectr. and Hd. of Dept.
4 Assts.

*Neuro-Psychiatry*

Berman, S. Med. Practr.
Clarke, M. R., D.P.M. Lond. Med. Practr.
Walton, H. J., M.B., Ch.B. Med. Practr.
3 Pt.-time Med. Practrs.

*Obstetrics and Gynæcology*

Louw, J. T., M.B., Ch.M. Prof.

Medical Practitioners

Sacks, S., M.B., Ch.B.
Agnew, H., M.B., Ch.B.
de Villiers, J. N., M.B., Ch.B.

Joubert, P. J.
Nel, J. B.
Moore, D.
13 Pt.-time Med. Practrs.

*Ophthalmology*

Townsend, R. L. H., B.A., B.M., B.Ch. Oxon., D.O.M.S., B.A. Lectr.
O'Riordan, Eithne J., B.A., M.B., Ch.B., B.A.O. Dub., D.O.M.S. Med. Practr.
du Toit, P. B., M.B., Ch.B. Med. Practr.
8 Pt.-time Med. Practrs.

*Orthopædics*

..... (Ortho-Surg.) Prof.
Bell, H., M.B., B.Ch. Belf., M.Ch. (Orth.) Liv., F.R.C.S.Ed. Pt.-time Med. Practr.
Keen, A. D., M.B., Ch.B. Med. Practr.
Biggs, D. H., M.B., Ch.B., F.R.C.S. Ed. Med. Practr.
Marais, P. F., M.B., Ch.B. Med. Practr.
3 Pt.-time Med. Practrs.

*Pathology and Bacteriology*

van den Ende, M., Ph.D. Camb., M.B., Ch.B. Prof. and Admin. Hd. of Dept.
Thompson, J. G., M.D., Ch.B. Aberd. (P.) Prof.
Linder, G. C., M.D. (Chem. P.) Prof.

Medical Practitioners

Beck, W., M.Sc., M.B., Ch.B.
Selkon, J. B., M.B., Ch.B.
Retief, L. P.
Sacks, T. G., M.B., Ch.B.
Mulligan, T. P. S., M.B., Ch.B.
Vos, B.
Krikler, M.
Kipps, A., M.B., Ch.B.
Selzer, Golda, M.B., Ch.B.
Don, P. A., B.A., M.B., Ch.B.
MacPherson, C. R., M.B., Ch.B.
Campbell, J. A. H., M.B., Ch.B.
Nande, W. du T., M.Sc., M.B., Ch.B.
40 Tech. Assts., 8 Clerical Staff.

*Plastic Surgery*

Petersen, N. A. M., M.B., B.S. Lond., F.R.C.S., F.R.C.S.Ed. Med. Practr.
3 Pt.-time Med. Practrs.

*Public Health*

Cooper, E. D. Prof.
4 Assts.

*Radiology*

Medical Practitioners

Werbeloff, L., D.M.R.E. Camb., M.B., Ch.B.
Foley-Taylor, Elizabeth, M.B., Ch.B. Dub., D.M.R.E. Camb., Cert. Radiologie, Paris.
Keet, A. D.
McDonnell, A. L.
Faiman, I. O., M.B., Ch.B., D.M.R.D., D.P.H.
Berrett, A.
Grieve, J. M., M.B., Ch.B. Glas., D.M.R.E. Liv.
Tucker, R. D., D.M.R.
5 Pt.-time Med. Practrs.

*Surgery*

Erasmus, Major J. F. P., M.Ch., M.D. Rand. Prof.
Louw, J. H. Med. Practr.
8 Med. Practrs., 7 Jr. Med. Practrs., 15 Pt.-time Med. Practrs.

*Urology*

Joubert, J. D. Med. Practr.
6 Pt.-time Med. Practrs.

*Vaccination*

Smit, G. J., M.B., Ch.B. Edin., D.P.H. Lectr.

*Vascular Investigation Service*

Goetz, R. H., M.D. Frankfort and Berne, M.B., Ch.B. Res. Assoc. Prof.

2 Pt.-time Staff.

*Venereal Diseases*
Medical Practitioners
Purcell, F. W. F.
O'Malley, C. K., M.C., M.B., Ch.B., B.A.O., M.S. N.U.I., D.M.R.E. Camb.
Osler, R. D., M.B., Ch.B. Edin.
Cohen, L. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Public Relations Officer: A. G. Bagnall, B.A. Oxon. Dir. of Extra-Mural Studies: G. M. Sargeant, M.A. Camb., B.A. Accountant: A. D. Knott-Craig, B.Com., F.C.I.S. Hon. Sec. of Appts. Cttee.: Prof. E. G. Pells. Asst. Registrar: J. G. Benfield, B.Com. S.A. 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. Book-keeper: P. W. Lee.

## GENERAL INFORMATION

The University of Cape Town, with which is incorporated the South African College, created by Act 14 of 1916, came into legal existence on April 2, 1918, when the Council took over a bequest by Sir Julius Wernher of £250,000 and a donation of equal amount from Sir Otto Beit, who added £50,000 to a lapsed bequest by Mr. Alfred Beit. For early history, *see Yearbook* for 1930 and Introductory Chapter, above.

A site for the Univ. was provided by Govt. at Groote Schuur, Rondebosch. An appeal for funds in commemoration of the centenary of the S.A. College in 1929 realized over £70,000.

The usual language of instruction is English but certain first-yr. courses in Sci. subjects are duplicated in Afrikaans.

LIBRARY. 240,000 vols., 30,000 pamphlets. Includes, *inter alia*, Medical Library—30,000 vols.; Music Library—books (3000), scores (10,000) and records (3500); Van Zyl Law Library (early Roman-Dutch Law) and Bolus Botanical Library. The Bolus Herbarium includes the Guthrie Collection of Cape flora.

FACULTIES. Arts, Commerce, Education, Engineering, Fine Art, Law, Medicine, Music, Science and Social Science.

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.; B.Sc. (Hons.), 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 Engin. of the Univ. (2 yrs.' standing).

DIPLOMA COURSES. 1 yr.—Analytical Chemistry, Librarianship, Native Administration (lower diploma), Native Education, Nursing, Public Health (postgraduate); 2 yrs.—Native Administration (higher diploma), Social

Sciences ; 3 yrs.—Commerce, Fine Art, Music, Speech Training and Elocution ; 5 yrs.—Architecture.

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 and Pretoria is accepted, under certain conditions, as part of the attendance qualifying for degrees. Attendance on classes in Physics, Chem., Bot. and Zool. is accepted by Aberd., Brist., Durh., Edin., Glas., Liv., Manc., Dub., R.C.P. Lond., R.C.S. Eng. ; so also are examns. in the Fac. of Arts on the sp. courses in these subjects (except by Dub.). Attendance on courses in Anat. and Physiol. is accepted by Aberd., Durh., Edin. and Glas., R.C.P. Lond. and R.C.S. Eng. ; examns. in the Fac. of Arts in these subjects are accepted by Aberd. The Dent. course is recognized by the R.C.S. Eng., R.C.P.S.Ed. and Edin. Dental School ; the Hyg. course by the Conjoint Boards of Eng., Eire, Edin. and Glas.

FEES. The annual academic fee is fixed so as to cover all charges for a student's registration, classes and laboratories, ordinary Univ. examns., graduation, library, athletics, Students' Socs. and, in the case of medical students, hospital fees for clin. instrucn. The annual fee varies according to the course which is being taken, but is uniform throughout the normal duration of the course. B.A. and B.Soc.Sc., £53 p.a. ; B.A. Fine Art, £56 p.a. ; B.Sc., £64 p.a. ; B.Arch., £73 for 4 yrs. and £33 for 1 yr. ; B.Ed., £53 p.a. ; LL.B., £55 p.a. ; M.B., Ch.B., £80 p.a. ; B.Mus., £66-£80 p.a. ; Master's degree—Arts, £44 p.a. ; Sci., £53 p.a. ; Educn., £44 p.a. ; Fine Art and Archit., £33 p.a. ; Engin. and Law, £22 p.a. ; Med., £28 p.a. ; Doctor's degree, £20 p.a.

SCHOLARSHIPS FOR GRADUATES. Jamison, £225 p.a. for 2 yrs. ; S.A.C. Croll, £300 p.a. for 2 yrs. ; Smartt Memorial (in Agric.), £200 p.a. for 2 or 3 yrs. ; 2 in Engin., £150 p.a. for 2 yrs. ; 1 in Med., £150 p.a., tenable for 1 yr. overseas. V. also Introductory Chapter.

A Jagger Scholarship of the annual value of £200, tenable for 3 (or possibly 4) years subject to satisfactory conduct and progress, offered to a student from Gt. Britain proposing to take his degree at the Univ. of Cape Town.

Open postgraduate scholarships in Agriculture (£200 p.a. for 2-3 yrs.).

TRAVELLING CONCESSIONS. On production of a certificate signed by the Registrar, all full-time students may travel by rail, under certain conditions, at *reduced fares*—viz. the concession is only allowed on return tickets via the most convenient direct all-rail route from home to the Univ. and back ; it does not apply to married persons, or to students attending classes for the law certif. and civil service law examns. Students who have obtained a degree are not eligible for season tickets at concession rates for daily travel.

The Union-Castle Steamship Co. gives concessions to students travelling coastwise between ports from Cape Town to Mombasa, inclusive (applicable only to whole-time scholars and students who have not graduated and who are not married) : (*a*) Students travelling from home to school or Univ. or *vice versa* : *Single tickets* at single fare, according to age, less 10 per cent. *Return tickets* at the single adult fare, plus 10 per cent. The period of availability may be extended to 12 months on application. (*b*) All other students : *Return tickets* will be granted at excursion rates, available for period of vacation.

Certificates must include age, home address and, when on vacation, the period of such vacation.

The Union-Castle Co. and other Steamship Cos. grant a 10 per cent. reduction on the ordinary fare to students proceeding overseas on vacation or for further study.

RESIDENCE. Bd., residence and laundry, £120 p.a. Fuller Hall (200 women), Warden—Mrs. D. S. Emmett, B.A. Liv.; Smuts Hall (200 men), Warden—J. B. Clark, M.A. Oxon.; College House (90 men), Warden—Prof. T. W. Price, M.A., LL.B., Ph.D. Camb.; Medical Residence (90 men), Warden—P. M. Smythe, M.B., B.Chir. Camb.; Driekoppen (260 men), Warden—Prof. G. H. Menzies, B.Sc., F.R.I.C.S.; Hibernia (110 women), Warden—Mrs. E. G. Pells; Protem (45 men), Warden—.....

ADMISSION. *See* Appendix I. Prospective students are advised to take for the matricn. certif. at least 2 of the subjects, French, German, Greek, Latin, Maths. A pass in Latin is essential for LL.B. and in maths. for degrees in appl. and indust. chem., archit., engin., land surveying, med., sci. and quantity surveying.

EXTRA-MURAL STUDIES. In 1949 a Bd. of Extra-Mural Studies took over the functions of the former Extension Lectures Cttee. The Bd. assumes responsibility for the organizn. of vacation courses, week-end conferences, courses corresponding to those given for the W.E.A., extension lectures in town and country, and courses in citizenship and other current topics.

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 1952

NEW DEVELOPMENT. Acquisition of about 15 acres of land formerly the property of the W.P. Agric. Society. This site, by reason of its frontage on the main thoroughfare between Cape Town and the suburbs and its contiguity to land already owned by the University, is to be developed as a residential and students' amenities centre.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. At invitation of the South African Assocn. for the Advancement of Science to its jubilee congress held at the Univ.: Sir Lawrence Bragg, Camb.; Sir Edward Salisbury, Dir. of Kew Gardens; Sir Kerr Grant, Australia; Canon G. le Maître, Louvain; Prof. L. E. J. Brouwer, Amsterdam; Prof. J. H. Oordt, Leyden; Prof. H. Vallois, Toulouse; Prof. A. da Silva Rego, Portugal. Under auspices of the Students Lecturers Trust Fund: Sir Arnold Plant, Lond., G. W. Knight, Leeds. Sir Harold Graham-Hodgson, Middlesex Hospital Med. School, under auspices of S.A. Council for Scientific and Industrial Res.; G. F. Gibberd, Guy's Hospital Med. Sch., as Sims-Black travelling prof.; Dr. C. D. Read, British Postgrad. Med. Fed.; Prof. N. Capon, Liv.; E. T. Williams, Warden of Rhodes House, Oxon.; and L. Farrer-Brown, Sec., Nuffield Foundation. The Univ. Bd. of Extra-Mural Studies arranged public lectures by most of these visitors and also supervised the Peter Ainslie Memorial Lecture by Rev. Dr. Sir George McLeod.

RETIREMENTS. Prof. W. F. Grant (Educn.); Prof. F. O. Fehrsen (Pub. Health); Dr. Elsie M. Thompson (Psychol.).

DEATH. Sir Fraser Russell, member of Univ. Council and former President, Appeal Court, Southern Rhodesia.

HONORARY DEGREES. *LL.D.*—R. Kilpin, former Clerk of the House of Assembly for Parliament; *D.Sc.*—G. W. Reynolds, author.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 129 | 2643 |
| Women | 523 | 773 |
| Total | 652 | 3416 |

New admissions, 1143.
Students from other countries, 372.

DEGREES. *Postgraduate*: D.Litt., 1; M.D., 1; Ph.D. (all Facs.), 11; M.A., 14; M.Sc., 9; M.Sc. App. and Ind. Chem., 1; M.Com., 1; M.Soc.Sc., 1. *First Degrees*: B.A., 98; B.Com., 32; B.Ed., 6; B.Sc.Eng., 62; B.Sc. App. and Ind. Chem., 14; B.Sc. Land Surveying, 8; B.A. Fine Art, 4; B.Arch., 21; LL.B., 18; M.B., Ch.B., 126; B.Mus., 2; B.Sc., 50; B.Soc.Sc., 14; B.Sc. in Quantity Surveying, 1.

[*Information compiled as at* 26/5/53.]

# UNIVERSITY OF NATAL*

(*Formerly* NATAL UNIVERSITY COLLEGE: founded 1909)
Incorporated 1949

*Postal Address*: King George V Avenue, Durban, South Africa.
*Telegrams*: University Durban.

CHANCELLOR—Hon. D. G. SHEPSTONE, Administrator of Natal.

PRINCIPAL AND VICE-CHANCELLOR—E. G. MALHERBE, B.A. Cape, M.A. Stell., Ph.D. Col., LL.D. Camb.

CHAIRMAN OF COUNCIL—G. G. CAMPBELL, M.B., F.R.C.S.Ed.

PRESIDENT OF CONVOCATION—ALAN PATON, B.Sc.

REGISTRAR—P. G. LEEB-DU-TOIT, B.Com. S.A.

ASSISTANT REGISTRAR—V. V. AUSTIN.

ACCOUNTANT—A. J. LYLE, B.Com. S.A.

DEPUTY LIBRARIANS—H. L. MAPLE, B.A. Lond., M.A. Cape, F.L.A.; A. THOMPSON, B.A. Camb., F.L.A.

## TEACHING STAFF

(Allocated between Durban = D. and Pietermaritzburg = P.)

*Accounting and Auditing* (D.)

Fairbairn, W. J. G., F.S.A.A. Prof.
Waldeck, T. J. H., M.Com. S.A. Sr. Lectr.
..... Lectr.
15 Pt.-time Lectrs. for Professional Accountancy classes.

*Agriculture*, v. *infra*

*Architecture and Quantity Surveying* (D. and P.)

Connell, P. H., B.Arch. Rand. Prof.
Croft, L. T., B.Arch. Liv., Dipl. T.P. Rand. Lectr.

Temporary Lecturers

Levick, C. A. L., B.Arch. Syd.
Adkin, A. B.
Brandt, Helen, B.A. (Fine Arts) S.A.
13 Pt.-time Lectrs. for professional classes.

*Anatomy* (D.)

Keen, J. A., M.B., B.S. Lond., F.R.C.S. Prof.
..... Sr. Lectr.

*Botany* (P.)

Bayer, A. W., D.Sc. S.A. Prof.
..... Sr. Lectr.

Lecturers

Heard, C. R. C., M.Sc. S.A., D.Phil. Oxon.
Gordon-Gray, Kathleen, M.Sc. S.A.
Meidner, H., M.Sc.
2 Demrs., 2 Lab. Assts.

*Chemistry and Chemistry Technology* (P. and D.)

Warren, F. L., Ph.D., D.Sc. Lond., D.I.C., F.R.I.C. Prof. (P.)

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

MacKenzie, H. A. E., M.Sc. S.A., D.I.C., Ph.D. Lond. Sr. Lectr. (P.)
Candy, H. A., M.Sc. S.A. Lectr. (D.)
..... Lectr. (P.)
Leisegang, E. C., M Sc., Ph.D. Lectr. (P.)
..... Lectr. (D.)
Merchant, Gwendoline Y., 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.)
Davis, S., M.A., D.Litt. Rand., M.A. Camb. Prof.
Farrer, B. H. P., M.A. Oxon. Lectr.
2 Pt.-time Lectrs.

*Commerce and Administration* (D.)
Kelly, T. H., M.Com., Ph.D. Birm. Prof.
Allan, I. K., B. Com. S.A. Sr. Lectr.

Lecturers
Woods, I. R., B.Com. Rand.
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. N.Y. Sr. Lectr.

*Dutch (Afrikaans and Nederlands)* (P. and D.)
Nienaber, G. S., M.A., M.Ed. S.A., Litt.D. Ghent Prof. (P.)
Terblanche, H. J., M.A., D.Litt. Pret. Sr. Lectr. (D.)
..... Lectr. (P.)
Grobler, P. du P., M.A. S.A. Lectr. (D.)
Grové, A. P., M.A., D.Litt. S.A. Sr. Lectr. (P.)
Nienaber, C. J., M.A. S.A., Docts. Litt. Amst. Lectr. (P.)

*Economics* (P. and D.)
Burrows, H. R., M.C., M.Com. Leeds Prof. (D.)
Randall, R. J., B.Com. Rand. Sr. Lectr. (D.)
Hurwitz, N., M.Com. Lectr. (P.)
Sloan, D., B.Com.Sc. Belf., M.A. Edin., Ph.D. Lectr.
Fourie, L., M.A. Stell. Lectr. (D.)
Bruce, C. M. F., M.A. Oxon. Lectr. (D.)
..... Res. Fellow.
..... African Res. Fellow.
4 Research Assts., 1 Fellow.

*Education* (P.)
Lloyd, A., M.A. Birm., Ph.D. Camb. Prof.
Nuttall, N., M.A. 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. Sr. Lectr. (D.)
McDonald, Florence M., M.A. Glas. Lectr. (D.)
King, Sarah K., M.A. S.A. Lectr. (D.)
Branford, W. R. G., M.A. Camb., B.Ed. Cape T. Lectr.

*Experimental Physics* (D.)

Hodges, D. B., O.B.E., B.A., M.Sc., Ph.D. Cape, F.I.P. Prof.
Scott, H. W., M.Sc. S.A. Lectr.
Clarence, N. D., M.Sc. S.A., B.A. Camb. Lectr.
7 Demrs.

*Fine Arts* (P.)

Heath, J. C. W. Prof.
Hope, Rosa S. Sr. Lectr.
Long, G. Lectr.
Rose, Hilda L., B.A. S.A. Lectr.

*French* (P. and D.)

Tricaud, Mlle M. L., L. ès L., D.Ét.Sup., Cert. Sec. d'Ang., Paris Sr. Lectr. (P.)
1 Temp. Lectr. (P.), 1 Pt.-time Lectr. (D.), 1 Fellow.

*Geography* (P. and D.)

Jehu, R. M., M.Sc. Wales, F.G.S. Prof. (P.)
Williams, O., M.A. Wales Lectr. (P.)
Brookfield, H. C., B.Sc., Ph.D. Lond. Lectr. (D.)
2 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. Leipzig Sr. Lectr. (P.)
1 Pt.-time Lectr.

*History and Political Science* (P. and D.)

Hattersley, A. F., M.A. Camb., F.R.Hist.S. Prof. (P.)
..... Sr. Lectr. (P.)
Rees, A. W., M.A. Wales Sr. Lectr. (D.)
Young, L. M., M.A. S.A., Ph.D. Camb. Lectr. (P.)
Heard, K. A., M.A. S.A. Lectr. (D.)
McIntyre, K. H. C., B.A. Camb. and S.A. Lectr.
..... Lectr.
Park, Margaret, M.A. Temp. Lectr. (D.)

*Law* (P. and D.)

Burchell, F. B., M.A., LL.B. Camb. Prof. Emer.
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. Leyden, 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., M.A. Camb. Lectr. (D.)
Hill, C. K., M.Sc. S.A., B.A. Camb. Lectr. (D.)
Parkyn, D. G., M.A. Oxon. Lectr.
Bullen, P. S., M.Sc. Lectr.
Livingstone, D., M.Sc. S.A., Ph.D. Edin. Sr. Lectr. (P.)

*Philosophy* (D. and P.)

Jensen, O., M.A. Edin., D.Phil. Rand. Prof. (P.)
Jackson, C. S., M.A. Oxon. Sr. Lectr. (D.)

*Physics* (P.)

Fairbrother, J. A. V., B.Sc. Lond., Ph.D. R'dg., F.I.P. Prof.
..... Sr. Lectr.
Cato, G. C., M.A., B.D. Aberd. Lectr. (D.)
Mouton, W. L., M.Sc. O.F.S. Lectr. (P.)
1 Demr.

*Physiology* (D.)

Gillman, T., M.Sc., M.B., Ch.B. Rand. Prof.
..... Sr. Lectr.
Canham, P. S. A., M.Sc. Sr. Lectr.
Rosenberg, E., M.B., Ch.B. Sr. Lectr.

*Psychology* (P. and D.)

..... Prof. (D.)
Pratt-Yule, Ella T., M.A., Ph.D. St. And. Hd. of Dept. (P.)
Albino, R. C., M.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.)

Kuper, L., B.A., LL.B. Rand., M.A. (Soc.) N. Carolina 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.
Njisane, E. G. M., B.A. (S.S.) S.A., B.A. Lectr.
2 Temp. Lectrs.

*Speech and Drama*

Sneddon, Elizabeth, M.A. Glas. Sr. Lectr. (D.)
..... Sr. Lectr. (D.)
Little, Joan Lectr. (D.)
2 Temp. Lectrs.

*Surveying* (D.)

Biesheuvel, H., B.Sc. (Survey.) Cape T. Sr. Lectr.
Scogings, D. A., B.Sc.Sur. Lectr.
Wade, F. B., B.Sc. (Eng.) 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.
Burton, A. J., B.Sc. St. And. Lectr.
Pople, W., M.Sc. Lectr.
1 Temp. Lectr., 5 Demrs., 2 Lab. Assts.

**Agriculture (P.)—**

*Agricultural Chemistry*

Orchard, E. R., O.B.E., B.Sc. Agric. Stell., Ph.D. Lond. Prof.
Folscher, W. J., M.Sc.Agric. Pret. Lectr.
Quicke, G. V., M.Sc.Agric. Pret., Ph.D. Wis. Lectr.

*Agricultural Economics*

de Waal, P. E., M.Sc.Agric. Stell., M.S. Corn. Prof.
Behrmann, H. I., M.Sc.Agric. Pret. Lectr.

*Agricultural Engineering*

Vorster, P. J. C., B.Sc.Agric. Eng. Pret. Lectr.

*Agronomy*

Smuts, I. J., B.Sc.Agric. S.A. Prof.

*Animal Husbandry*

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.
Eloff, H. P., B.Sc.Agric. Pret. Lectr.

*Biometry*

Rayner, A. A., Ph.D. Edin. Prof.

*Dairying*

Abbott, C. W., B.Sc.Agric. Pret., M.Sc., Ph.D. Iowa Prof.
Claassens, J. W., M.Sc.Agric. Pret. Lectr.

*Entomology*

Oosthuizen, M. J., B.Sc.Agric. Pret., Ph.D. Minn. Prof.
Bosman, T., B.Sc.Agric. Pret. Temp. Lectr.

*Genetics*

Saunders, A. R., B.Sc.Agric. Kansas, M.Sc. Wis., D.Sc. Agric. Pret. Prof. (Actg.).
Weyers, W. H., M.Sc.Agric. Stell. Sr. Lectr.
Rausch, J. D. H., B.Sc.Agric. Lectr.

*Horticulture*

le Roux, J. C., B.Sc.Agric. Stell., M.Sc. Calif., M.Sc. Hawaii Prof.
Allen, P., B.Sc.Agric. Lectr.

*Plant Pathology and Microbiology*

Truter, Susarah, J., B.Sc. S.A., M.Sc. Stell., D.Sc. Utrecht Sr. Lectr.
Knox-Davis, P. S., B.Sc.Agric. Lectr.

*Soil Conservation and Pasture Management*

Scott, J. D., M.Sc. S.A., D.Sc. Rand. Prof.
Pienaar, A. J., B.Sc. S.A. Lectr.

**Engineering (D.)—**

*Civil Engineering*

Daymond, J. R., M.Sc.Eng. Wales Prof.
..... Sr. Lectr.
Norman, D. G., B.Sc.Eng. S.A., Dipl.S. Lectr.
Fleming, C. J., B.Sc.Eng. Lectr.
Hobbs, N. B., M.A. Lectr.
..... Lectr.
..... 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.
Hellawell, R. A., M.Sc.Eng. Lectr.
Wilman, C. W., M.Sc. Lond. 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.
Kritzinger, H. M., B.Sc.Eng.
2 Workshop Assts., 1 Demr.

**Paint Research Institute (D.)**

Hamilton, G. M., M.Sc. Lond. Dir.
Milner, A. M., M.Sc., Ph.D. (Phys. Chem. & An. Sect.).
Brink, A., M.Sc., O.F.S. (Org. Chem. Sect.).
Moreton, T. G. Paint Tech.
Fairburn, Florence K. Sec.

**Sugar Milling 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.
Parrish, Dr. J. R. Hd., An. Lab. and Res. Chem.
..... Chemist.
Alexander, J. B., B.Sc. S.A. Bacteriologist.
Viljoen, C. J. Instrument Maker.
Owen, Mrs. M. H. Sec.

**Wattle Research Institute (P.)**

Shaw, H., M.Sc.Tech., Ph.D. Manc., F.R.I.C. Dir.
Martin, W. S., D.Sc., Ph.D. Lond., D.I.C. Soil Chemist.
Moffett, A. A., B.Sc. Birm., Ph.D. Lond. Geneticist.
Nixon, Kathleen, B.Sc. Asst. Geneticist.
Sherry, S. P., B.Sc. S.A., M.A. Oxon. Silviculturist.
Ossowski, L. L. J., M.F., For. Ing., D.Sc. Poznan Entomologist.
Gordon-Gray, C. G., B.Sc. Chemist.
Smith, Miss E. K. Sec.
5 Jr. Tech. Assts.

## ADMINISTRATIVE AND OTHER STAFF

STUDENT ADVISER AND EMPLOYMENT OFFICER: O. F. Black, B.Sc. Stell., M.A., Ph.D. Col.

NON-EUROPEAN SECTION. Organizer: Dr. M. Palmer.

WARDENS OF RESIDENCES. Pietermaritzburg: Men's Residence, O. F. Black, B.Sc. Stell., M.A., Ph.D. Col.; University Hall (Women), Mrs. M. E. Kirkwood. Durban: Men's Residence, N. H. MacKenzie, M.A., Ph.D.; Charles James Hall (Women), Elizabeth Sneddon, M.A. Glas.; Wentworth College Non-European Residence, G. C. Cato, M.A., B.D. Aberd.

SUPTS. OF GROUNDS AND BUILDINGS: W. G. Vorster (Durban), G. Smith (Pietermaritzburg).

## GENERAL INFORMATION

Established by an Act of 1909, Natal University College was opened in 1910 in the Town Hall and moved in 1912 to its own buildings (which, with equipment, cost £60,000) in the suburb of Scottsville, Pietermaritzburg. A new Science block and a women's hall of residence were added in 1921 and a residence for men in 1928. A new wing was added in 1934 and a Library and Fine Arts School in 1936. In 1926, a site of 50 acres at Stellawood, Durban, was presented by the Corporation of the City of Durban, for the erection of an Engineering College. An amount of £50,000 was donated by Mr. T. B. Davis in 1924 for this purpose. Howard College, as it is called to-day, was opened in Durban in 1931. A new Commerce Building, situated on a central site in the city of Durban, was added in 1936. By virtue of Act No. 4 of 1948, the Natal University College was incorporated as the University of Natal. It came into legal existence as an independent University on March 15, 1949, and, in addition to fulfilling its previous functions, is now entitled to examine its own students and grant degrees and diplomas.

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.

FACULTIES AND DEANS. *Agriculture*, Prof. E. R. Orchard; *Arts*, Prof. G. H. Durrant; *Commerce and Public Admin.*, Prof. T. H. Kelly; *Education*, Prof. A. Lloyd; *Engineering*, Prof. J. R. Daymond; *Law*, Prof. G. M. J. Sweeney; *Medicine*, Dr. G. W. Gale; *Science*, Prof. S. F. Bush; *Social Science*, Prof. L. Kuper.

The Facs. of Arts (and Dept. of Fine Arts), Sci., Law, Educn. and Agric. function in Pietermaritzburg. In Durban, the Facs. of Arts, Med., and Sci. (with limited choice of subjects), Law, Engin., Commerce and Public Admin., Social Sci. and Dept. of Archit. function.

LOCATION. The Univ. is the only Univ. inst. in S. Africa which functions in two large cities, viz. Pietermaritzburg and Durban. These cities are 56 miles apart. One Council and one Senate control the Univ. as a whole, and meetings are held in alternate centres. A certain amount of duplication of work in both centres is inevitable.

LIBRARIES, ETC. Pietermaritzburg: approx. 25,000 vols. Durban, at Howard College and at City Bldg.: approx. 14,000 vols.; Non-European section (Sastri College grounds): approx. 3000 vols. TEACHING HOSPITAL (non-European medical students): King Edward VIII Hosp. BENNETT CHILDREN'S CENTRE. NATAL AGRICULTURAL RESEARCH INSTITUTE (of which the Fac. of Agric. is a part).

DEGREES. B.A., B.Sc., B.Com., B.Econ., B.Soc.Sc.—3 yrs. B.A. Fine Arts, B.Sc.Eng., B.Sc.Sur., B.Sc.Agric., B.Soc.Sc. (S.W.)—4 yrs. B.Arch., B.Sc. Q.S.—5 yrs. M.B., Ch.B.—7 yrs.

HIGHER DEGREES. B.Ed.—at least 2 yrs. after first degree. LL.B.—not less than 3 yrs. after first degree. B.A. Hons., B.A. Fine Arts (Hons.), B.Sc. Hons., B.Sc. Chem.Tech., B.Com. (Hons.), B.Econ. (Hons.), B.Soc.Sc. (Hons.), M.Sc.Agric., M.Sc.Eng., M.Sc.Sur., M.Ed.—not less than 1 yr. after corresponding Bachelor's degree. M.A., M.A. Fine Arts, M.Sc., M.Sc. Chem.Tech., LL.M., M.Com., M.Econ., M.Soc.Sc., M.Soc.Sc. (S.W.), M.Arch.—not less than 2 yrs. from corresponding Bachelor's degree. Ph.D.—not less than 3 or 4 yrs. (according to Fac.) after Bachelor's degree. D.Sc.Agric.—not less than 5 yrs. after B.Sc.Agric. D.Litt. (D.Litt. in Fac. of Ed.—5 yrs. from B.Ed.), LL.D., D.Sc., D.Econ., D.Soc.Sc., D.Sc.Eng.—not less than 6 yrs. after corresponding Bachelor's degree. D.Arch.—not less than 7 yrs. after B.Arch. M.D., Ch.M.—not less than 7 yrs.

DIPLOMAS. Univ. Education Dipl. (General, Special or Technical)—1 yr. postgraduate. Univ. Education Dipl. (non-graduate)—1 yr. Dipl. in Archit.—5 yrs.

TERMS. The academic yr. is divided into 2 terms, the first of which begins towards the end of Feb.

ADMISSION. *See* Appendix I. Students who are not qualified, or who do not desire, to take a regular course may be admitted to individual classes, provided the prof. or lectr. concerned is satisfied that they are competent to profit by the instruction given. Students who have S.A. Jt. Matricn. Bd. School Leaving Certifs. may, in certain cases, obtain conditional exemption from the Matricn. Examn. which would entitle them to enrol for degree courses.

LANGUAGE OF INSTRUCTION. English.

NON-EUROPEAN SECTION. This is a separate section (temporarily housed in Sastri College belonging to the Natal Provincial Admin.) of the Univ. which has been established in Durban. The students, who are drawn mostly from the teaching profession, are pt.-time and take degrees in Arts, Commerce and Admin., and Social Science. Most of the classes are held at week-ends. The full-time staff of the Univ. organize and conduct the work. For some subjects pt.-time staff are engaged annually. The newly established Fac. of Medicine for Non-European students has commenced its activities at Wentworth College, where medical students will receive their period of pre-medical training extending over 2 yrs.

GRADUATES' ASSOCIATION. Prior to 1949 the chief assocn. of graduates was known as the Natal University College Union, founded in 1922. With the attainment by the College of Univ. status, 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, £58 p.a. Agric. Science, £68 p.a. Law, Engin., Surveying, Quantity Surveying and Archit., £78 p.a. Med., £60 for each of the two pre-medical yrs., £75 p.a. for subsequent yrs. of study. In subsequent yrs. of study other than the first yr. for all facs. except med., a reduction of from £2 : 10s. to £10 p.a. is granted. *Residence Fees*, £100 p.a.

STUDENT ORGANIZATIONS. The Athletic Union, which functions in both seats of the Univ., is the chief student organization, whose function it is to exercise control over the activities and finances of the various sporting clubs in each centre. There is also a Jt. Athletic Union organization which concerns itself mainly with sporting tours undertaken by Univ. clubs. Information concerning the various Student Socs., Clubs and Cttees. is issued by the Students' Representative Council in each centre. The S.R.C. is the body elected to deal with all student affairs and is the students' official avenue of approach to the authorities of the Univ.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," *above*.) 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. Ansell May Hall (men), Princess Alice Ave., Durban (*Telephone* : 5-7992), 180. 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.

PUBLICATIONS. *Calendar* (Dec.), 10s. ; Staff publication, *Theoria*, 2s. 6d. ; students' newspaper, *NUX*, 3d.

## THE YEAR 1952

NEW BUILDINGS. Med. Sch., Durban ; Administration Offices, Durban ; Extension to Science and Technology Bldg., Durban.

RETIREMENT. Prof. O. J. P. Oxley.

HONORARY DEGREE CONFERRED. *D.Sc.*—S. H. Skaife.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 113 | 1269 |
| Women | 16 | 332 |
| Total | 129 | 1601 |

Postgraduate students, 196.
New admissions, 810.
Students from other countries: 95 (66 from Rhodesia).

DEGREES AWARDED. M.A., 2; M.Sc., 14; M.Sc.Eng., 2; B.A. (Hons.), 9; B.Sc. (Hons.), 13; B.Com. (Hons.), 1; LL.B., 6; B.Ed., 1; B.A., 68; B.A. (Fine Arts), 7; B.Sc., 31; B.Sc.Eng., 44; B.Sc.Sur., 6; B.Sc.Chem.Tech., 1; B.Arch., 3; B.Sc.Ag., 19; B.Com., 10; B.Soc.Sc., 1; B.Soc.Sc. (S.W.), 5; Ph.D., 7.

DIPLOMAS AND CERTIFICATES AWARDED. U.E.D. (Special), 3; U.E.D. (General), 16; U.E.D. (non-grad.), 3.

[*Information compiled as at* 13/6/53;
*Staff revised on* 23/9/53.]

# THE UNIVERSITY OF THE ORANGE FREE STATE *

Founded 1855

*Postal Address*: Bloemfontein, Orange Free State, South Africa.
*Telephone*: 5184.

CHANCELLOR—THE HON. ADV. C. R. SWART, B.A., LL.B.

CHAIRMAN OF COUNCIL—J. F. ENSLIN, B.A., M.Educ., LL.B.

RECTOR AND VICE-CHANCELLOR—Professor H. v. d. MERWE SCHOLTZ, M.A., D.Litt.

REGISTRAR—GEO. P. J. DU TOIT, B.Econ., B.A., LL.B.

LIBRARIAN—S. I. MALAN, M.A., F.S.A.L.A.

## TEACHING STAFF

*Accounting and Auditing*

Samuels, H. J., M.Com. Prof.
Van Niekerk, A. F., B.Com. Lectr.

*Afrikaans and Dutch*

Badenhorst, W. J., D.Litt. Pret., M.A. Prof.
Kok, B., Litt.Docts. Utrecht, M.A., D.Litt. Prof.
Lategan, F. V., M.A. Sr. Lectr.
Beukes, G. J., D.Litt. Pret., M.A. Sr. Lectr.

*Astronomy*

.....

*Bantu Languages, Ethnology and Native Administration*

Van Schalkwyk, A., M.A., D.Phil. Stell. Prof.
Van der Westhuizen, S. B., M.A. Lectr.

*Botany*

Lütjeharms, W. J., Phil.Nat.D. Leyden Prof.
Bakker, E. M. von Z., Ph.D. Sr. 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*

Bok, L. D. C., M.Sc., Phil.Nat.D. Prof.
De Wit, J. H., M.Sc. Lectr.

*Classics and Classical Culture*

Steven, S. J. H., B.A. Oxon., M.A. Cape Prof.
Van Rooy, C. A., M.A. S.A., B.A. Oxon., D.Phil. Lectr.
Paap, A. H. R. E., D.Litt. et Phil. Utrecht Lectr.

*Commerce*

Fourie, F. C. v. N., B.A., B.Com. Cape Prof.
Stockenström, F. F. de W., B.Com. Lectr.

*Economics and Economic History*

Du Plessis, C. v. H., M.A. Stell., M.Sc. Minn., D.Phil. Pret. Prof.
Van Rensburg, W. J., M.A. Lectr.

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

*English*

Hopwood, D., M.A. Oxon., D.Litt. Stell. Prof.
Loubser, J. W., M.A. Oxon. Prof.
Mackenzie, Barbara A., M.A., D.Litt. Cape, B.Litt. Oxon. Prof.
Mostert, C. W., B.A. Sr. Lectr.

*Geology and Geography*

De Villiers, J. E., Ph.D. S.A., D.Sc. Stell. Prof.
Schmidt, A. A., M.A. Stell. Sr. Lectr.
Louw, J. H. F., M.Sc. Lectr.

*German and French*

Dekker, J. J., Dr.Phil. Vienna, M.A. Prof.
Lichtenberg, K. F. W., M.A., D.Phil. Berl. Lectr.

*Hebrew*

Block, M., Dr.phil. Zürich Lectr.

*History*

Uys, C. J., D.Litt. Pret., M.A. Prof.
Oberholster, J. J., M.A., D.Phil. Stell. Sr. Lectr.

*Hygiene*

van der Merwe, I. R., B.A., M.Ed., D.Phil. S.A. Sr. Lectr.

*Law*

Joubert, W. A., B.A., LL.D. Prof.
Van Themaat, V., J.P., B.A., LL.B. Stell., Docts. Jr. Leyden, LL.D. Pret. Prof.
Rupert, J. A., B.A., LL.B. Sr. Lectr.

Lecturers

Gray, F. W.
Harris, S. N.
Jacobs, H. R.
Potgieter, H.
Pretorius, J. S.
van der Walt, B. G.

*Mathematics, Pure and Applied*

Malan, A. P., M.Sc. S.A. Prof.
Van Wyk, C. B., M.Sc. Stell., Ph.D. Camb. Prof.
Reitsma, A., M.Sc. S.A. Sr. Lectr.

*Music*

Roode, D. J., B.Mus. S.A. Prof.
van der Merwe, F., B.Mus. Rand. (Singing) Sr. Lectr.
Koole, A. J. C., Dipl.Kons. Amst., D.Litt. et Phil. Lectr.
Kautzky, Mrs. G. Lectr.

*Philosophy*

Venter, E. A , M.A., M.Th. Stell., M.Div. S.A., Ph.D. Cape, D.D.S.A. Prof.

*Physical Education*

Van der Merwe, I. R., B.A., M.Ed., D.Phil. S.A. Sr. Lectr.

*Physics*

Loubser, J. H. N., B.Sc. Cape, M.Sc. Stell., D.Phil. Oxon. Prof.
van der Byl, J., M.Sc. Stell., A.M. Harv. Sr. Lectr.
Alberts, L., D.Sc. Lectr.

*Political Science*

Strauss, H. J., Docts. Jur. Amst., B.A. Prof.

*Psychology*

Schmidt, A. H., M.A. Stell., B.Litt. Oxon. Prof.
Eloff, G., M.A., D.Sc. Gron. Sr. Lectr.

*Sociology and Social Work*

Keyter, J. de W., M.A., B.Ed. Stell., Dr.Phil. Mün. Prof.
Vorster, H. R., M.A., D.Phil. S.A. Sr. Lectr.
Prinsloo, Miss M. J. M., M.Comm. S.A., B.A. (S.S.). Sr. Lectr.
Van Schouwenburg, Mrs. L. J., B.A. (S.S.) Stell., B.A.S.A. Sr. Lectr.
Retief, F. P. le R., B.A. Lectr.

*Statistics and Finance*

Reitsma, A., M.Sc. Sr. Lectr.

*Zoology*

De Wit, J. J. D., Phil.Nat.D. Utrecht Prof.
van Pletzen, R., D.Sc. Stell. Lectr.
Dreyer, Miss M. V., B.Sc. S.A. Asst.

**Teachers' College of the University of the O.F.S.**

Loubser, Prof. J. W., M.A. Oxon., B.Ed. Principal.
Blignault, Prof. H., B.A., D.Ed. Stell. Dean of Fac.

*Education*

Blignault, H., B.A., D.Ed. Stell. (Educ. Psychol.) Prof.
Loubser, J. W., M.A. Oxon. Prof.
Green, J. T.
Erasmus, O. C., B.A., M.Ed. (Pedagogy) Sr. Lectr.
Lategan, F. V., M.A. (Afrikaans) Sr. Lectr.
Smit, A., M.A., M.Ed. (Hist. and Geog.) Sr. Lectr.
van Rooyen, G. H., B.Sc. (Agric.) (Hyg. and Nature Study) Sr. Lectr.
Britton, A. H., B.A., B.Ed. (Phys. Educn.) Sr. Lectr.
Venter, E. H., B.Ed., B.A., B.Com. (Woodwork) Sr. Lectr.
Botha, G., B.A., B.Sc., B.Educ. (Arith.) Sr. Lectr.
Botma, J. P., M.A., D.Ed. Stell. Sr. Lectr.
Loubser, Miss A. S., B.A.
Willmot, Miss A. Sr. Lectr.
Hopewell, Miss D., B.A. (Fine Arts) (Drawing and Hist. of Art) Sr. Lectr.
van Loggerenberg, Rev. J. H., B.A. (Bible Hist.).
Nienaber, Miss H. Instr.
Karstel, O. A. (Singing) Instr.
Welman, H. G., B.Com. (Shorthand and Typewriting) Asst.

Domestic Science—Members of Staff of Dom. Sci. Dept. of the Meisieskool, Oranje.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: A. S. Theron, B.Com. Book-keeper M. C. Schwella.
Registration Officer: H. W. D. Coetzee.

## GENERAL INFORMATION

Founded in 1855 by Sir George Grey, by Act No. 21 of 1949 the College was granted independent status, and on March 18, 1950, became the University of the Orange Free State. It provides courses for degrees in Arts, Science, Law, Education, Commerce, Music, Physical Education and professional qualification for Social Workers, also preliminary training for Med. and Chem., Engineering, Agricultural and Veterinary Science. Facilities are also provided for students preparing for the "Admissie-eksamen" of the Theological Seminary at Stellenbosch. Students have access to the Fichardt Library, Railway Library, Union Govt. Archives, War Museum, National Museum, Lamont Observatory and Boyden Observatory.

FACULTIES AND DEANS. *Arts*, Prof. B. Kok; *Sci.*, Prof. W. J. Lütjeharms; *Soc. Sci.*, Prof. J. de W. Keyter; *Comm. and Pub. Admin.*, Prof. H. J. Samuels; *Educ.*, Prof. H. Blignault; *Law*, Prof. W. A. Joubert.

The USUAL LANGUAGE OF INSTRUCTION is Afrikaans.

TERMS. Feb. to June, July to Nov.

DEGREE COURSES. B.A.—3 yrs.; M.A.—2 yrs. after corresponding bachelor course; D.Litt.; D.Sc.—3 yrs.; M.Sc.—2 yrs. after corresponding

bachelor course; D.Sc.; B.A. (S.S.)—3 yrs.; M.A. (S.S.)—2 yrs. after corresponding bachelor course; D.Phil.; B.Com.—3 yrs.; M.Com.—2 yrs. after corresponding bachelor course; LL.B.—3 yrs. after corresponding bachelor course; LL.D.; B.Mus.—3 yrs.; M.Mus.—2 yrs. after corresponding bachelor course.

DIPLOMA COURSES. Univ. dipl. in Educn. (1 yr.'s postgraduate study); Dipl. in Soc.Sci. (3 yrs.); Dipl. in Music—3 yrs.; Dipl. in Law—3 yrs.; Attorney's Admission Examn.—3 yrs.; Accountants' Examn.

ADMISSION. *See* Appendix I.

HOSTELS for students within the Univ. grounds to accommodate 210 women and 260 men. Board and residence, £96 p.a. Tuition fees, £17 : 10s. per semester.

EXTRA-MURAL WORK in the Facs. of Law, Arts and Comm.

PUBLICATIONS. *Calendar* and two students' magazines—*Shimla*, published annually, and *Irawa*, published monthly.

## THE YEAR 1952

DEATHS. G. Smit; L. J. van Zyl.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 254 | 424 |
| Women | 23 | 423 |
| Total | 277 | 847 |

Postgraduate students, 183.
New admissions, 382.

DEGREES AWARDED. B.A., 62; B.Mus., 1; B.A. (S.S.), 4; B.P.Ed., 1; B.Sc., 23; B.Com., 15; LL.B., 8; B.Ed., 7; M.A., 3; M.Sc., 3; M.A. (S.S.), 1; D.Litt., 1; D.Phil., 2; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Music, 4; U.E.D., 43; Dipl. in Soc. Work, 5.

[*Information compiled as at 22/5/53.*]

# THE POTCHEFSTROOM UNIVERSITY
## FOR CHRISTIAN HIGHER EDUCATION *

Founded 1869; incorporated as an Independent University, 1951

*Postal Address*: Potchefstroom, Transvaal, South Africa.
*Telephone*: Potchefstroom 148 and 758.

CHANCELLOR—Professor J. C. VAN ROOY, M.A. S.A., D.Phil., V.U. Amst.

CHAIRMAN OF COUNCIL—Rev. H. J. R DU PLESSIS.

RECTOR AND CHAIRMAN OF THE SENATE—Professor J. C. COETZEE, M.A., M.Ed., D.Phil., F.B.Ps.S.

VICE-CHAIRMAN OF SENATE—.....

PRESIDENT OF CONVOCATION—Adv. L. J. DU PLESSIS, M.A., M.Econ., LL.B. S.A.

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.

Stoker, H., B.Com. Pret. 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. and Dean.

Botha, P. J., M.Sc., Ph.D. S.A. Sr. Lectr.

Papendorf, 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., Ph.D. Leeds Sr. Lectr.

van den Berg, J. A., M.Sc. Lectr.

*Commerce*

Viljoen, D. J., M.Com. S.A. Prof.

Erasmus, D. P., B.Com. S.A. Lectr.

*Domestic Science*

Joubert, Elsie S., B.Sc. Dom.Sci. Lectr.

du Plessis, Gwendolyn, B.Sc. Dom.Sci. Asst.

Theron, Charlotte P., B.Sc. Dom. Sci. Pret. Asst.

*Dutch and Afrikaans*

Dekker, G., M.A. S.A., D.Litt. Amst. Prof.

Labuschagne, F. J., M.A. S.A. Prof.

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

Venter, H., M.A., D.Litt. S.A. Sr. Lectr.
Cloete, T. T., M.A. S.A., D.Litt. et Phil. Amst. Lectr.

*Economics and Economic Hist.*

van Deventer, B., B.Comm., M.Econ. S.A., Dr.Econ. Amst. Prof. and Dean.

*Education*

Coetzee, J. C., M.A., M.Ed., D.Phil. S.A., F.B.Ps.S. Prof.

Professors

Bingle, H. J. J., M.Ed., D.Phil. S.A. Dean.
Snyman, J. J., M.A., M.Ed. S.A., D.Ed.
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., M.A. Lectr.

*French*

..... 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. Lectr.

*German*

Schulze, H. G., M.A. S.A., D.Phil. Bonn Prof.
Brandt, P. A., M.A. S.A., D.Phil. Leipzig Lectr.

*Greek*

Postma, A., B.A. S.A. Sr. Lectr.
Grobler, J. H., B.A. S.A. 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. Prof.
Coetzee, J. J., M.A. S.A. Lectr.

*Law*

Swanepoel, H. L., B.A., LL.D. Stell. Prof.
Du Plessis, L. J., M.A., M.Econ., LL.B. S.A. Sr. Lectr.
Wimmers, C. M., Drs. Legum Amst.

*Mathematics and Applied Maths.*

van Rooy, D. J., M.A. S.A. Prof.
Robbertse, W. P., M.Sc. S.A., Dr.Sc.T. Delft Prof.
De Wet, J. M., M.Sc. S.A., B.Sc. 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.Mus., B.Sc. S.A., U.O.L.M. S.A. Lectr.

*Pharmacy*

..... Lectr.

*Philosophy*

Stoker, H. G., M.A. S.A., D.Phil. Keulen. Prof. and Dean.
Taljaard, J. A. L., M.A. S.A., Phil.Dr. Amst. 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.
Kriel, Arina, 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., M.Sc. 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.

*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. Lehramtes, Dr. phil. et phil. habil. Leipzig Temp. Prof.

*Social Work*

Coetzee, J. H., M.A. S.A., D.Phil. Sr. Lectr.

Viljoen, Charlotte, B.A. (S.S.) S.A., M.Soc.Sc. Lectr.

*Sociology*

du Preez, D. C. S., M.A. Rand., D.Phil. Amst. Prof. and Dean.

Coetzee, J. H., M.A. S.A., D.Phil. Sr. Lectr.

*Theology*

du Toit, J. D., D.Theol. Amst., D.D., D.Litt. S.A., Pret., Stell. and Cape T. and Rand., D.Theol. 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., D.Sc. Stell. Lectr.

van Eeden, D., B.Sc. S.A. Lectr.

De Kock, J. M., B.Sc. Stell. Temp. Asst.

**Conservatoire of Music**

Roode, Prof. M. C., B.Mus., U.O.L.M., U.V.L.M. Principal.

Müller, D.

Wegelin, A. W.

Smuts, S.

Pretorius, Mrs. Thelma.

De Wet, Mrs. Heine G.

Scheepers, Anna M.

Papé, Mme Naomi.

Coetzee, Mrs. Miemie R.

Paulsen, Elsie M.

Van Kooten, C. H.

## ADMINISTRATIVE AND OTHER STAFF

Organizer: C. J. H. Schutte, B.Com. S.A. Accountant: P. J. De Wet. Cttee. Clerk: Johanna F. Coetzee, B.A. Pret. Examn. Clerk: Susara J. Le Roux. Housemaster (Student Residences): D. J. van Rooy, M.A. S.A. Supt. (Grounds): G. Bosman.

LIBRARY. Temp. Chief Asst.: Mrs. Johanna van Rooy, B.A. S.A., B.Sc. Col. Bookbinder: S. Buys.

## 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. H. G. Stoker; *Economic Scis.*, Prof. B. van Deventer; *Educn.*, Prof. H. J. J. Bingle; *Sci.*, Prof. A. P. Goossens; *Social Scis.*, Prof. D. C. S. du Preez; *Theol.*, Prof. S. Du Toit.

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. *See also* Appendix I.

DEGREES. *Bachelors' 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. *Masters' Degrees*: M.A., M.Mus., M.Sc., Th.M., M.Ed., M.Comm., M.Soc.Sc. *Doctors' Degrees*: D.Litt., D.Phil., D.Mus., D.Sc., Th.D., D.Ed., D.Comm., D.Soc.Sc., LL.D.

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. Dipl. in Phys. Educn. Univ. Teacher's Dipl. (non-graduate).

LANGUAGE OF INSTRUCTION: Afrikaans.

LIBRARY. The Ferdinand Postma Library was erected at approx. cost of £65,000. 65,246 vols.; 849 magazines and periodicals.

A MUSEUM is accommodated in " De Oude Molen " estate owned by the Univ.

STUDENT RESIDENCES. Fees, £80 p.a. Women: De Klerkhuis, 81 students; Piet Groblerhuis, 52. Men: Postmahuis, 20; Uitspan, 36; Heimat, 38; Ons Huis, 49; Dawie du Plessis-Huis, 75.

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.); *Die Besembos* (students); *Prospectus* (June, free).

## THE YEAR 1952

BENEFACTIONS. £15,465 towards extension fund from public donations.

NEW DEPARTMENTS AND POSTS. Professorships in Theology and Law.

DEATH. Prof. J. P. van der Merwe.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 19 | 701 |
| Women | 1 | 200 |
| Total | 20 | 901 |

Postgraduate students, 227.
New admissions, 276.

DEGREES. B.A., 71; LL.B., 2; B.Sc., 16; B.Sc. (Dom.), 4; B.Sc. (Hygiene), 2; B.P.Ed., 4; B.D.Ed., 3; B.Comm., 27; B.Soc.Sc., 7; Hons. B.A., 9; Hons. B.Sc., 10; B.Ed., 19; Hons. B.Comm., 1; Hons. B.Soc.Sc., 2; M.A., 4; M.Sc., 3; Th.M., 2; M.Ed., 4; D.Litt., 1; D.Phil., 1; D.Ed., 8.

# UNIVERSITY OF PRETORIA *

Founded in 1910 as Transvaal University College after having been established as branch of the Transvaal University College, Johannesburg, in 1908. Incorporated in 1930 as University of Pretoria.

*Postal Address* : Brooklyn, Pretoria, Transvaal, South Africa.
*Telegrams and Cables* : Puniv, Pretoria (Bentley Code).
*Telephone* : Pretoria 4-3111.

CHAIRMAN OF COUNCIL—H. O. MÖNNIG, B.A. Cape, Dr.Phil. Zür., B.V.Sc. S.A.

CHANCELLOR—C. TE WATER, B.A., LL.B. Camb.

VICE-CHANCELLOR AND RECTOR—C. H. RAUTENBACH, M.A., B.D. S.A., D.Phil.

REGISTRAR AND FINANCIAL ADVISER—MARTIN SMUTS, M.Com. (B. & A.).

LIBRARIAN—P. C. COETZEE, B.A. S.A., M.A.

## TEACHING STAFF

*Accountancy*, v. Commerce

*Afrikaans Lang. and Lit.*, v. Dutch, Afrikaans and Germanic, *infra*

*Agriculture*, v. *infra*

*Anthropology*, v. Soc. Anthropol.

*Architecture and Quantity Surveying*

Meiring, A. L., B.A. Cape, B.Arch. Liv., F.R.I.B.A. (Design, Bldg. Construction, Acoustics) Prof.

Louw, T. H., B.Sc. (Q.S.) (Quantities, Mensuration, Professional Practice, Analysis of Bldg. Costs, Valuations and Reports, Estimates and Bldg. Finance) Sr. Lectr.

Wepener, F. J., B.Arch. Rand. Lectr.

Brink, C. S., B.Arch. Cape, Dip. Town Planning Liv. Lectr.

17 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.

Sentker, H. F., B.A. Pret. Temp. Jr. Lectr.

2 Demrs.

*Biochemistry*

Grotepass, F. W. K., Dr.Phil. Gött. Sr. Lectr.

Mentz, H. E. A., M.Sc. Lectr.

*Botany and Biology*, v. also Vet. Science

Mes, Margaretha G., B.Sc., Ph.D. Utrecht (Plant Physiol. and Plant Biochem.) Bertha Stoneman Prof.

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

Schweickerdt, H. G. W. J., B.Sc. S.A., Ph.D. Bonn (General Bot.) Louis Botha Prof.
Theron, J. J., M.Sc. S.A., D.Ph. Berl. Lectr.
Cholnoky, B. J., D.Sc. Szeged, D.Phil. Berl. Lectr.
3 Tech. Assts., 10 Demrs.

*Chemistry, Inorganic and Analytical*

Schilz, W. E., M.Sc., LL.B. S.A., Ph.D. Munich, D.I.C. Prof.
Vogel, J. C., D.Sc. S.A., Dipl.Ing. Karlsruhe Sr. Lectr.
Liebenberg, C. J., M.Sc. Stell. Lectr.
3 Tech. Assts.

*Chemistry, Organic*

de Waal, H. L., M.Sc. Stell., Dr.phil. Bonn, D.Sc. Dean, Fac. of Sci., Prof.
Brink, C. v. d. M., M.Sc. Stell. Sr. Lectr.
2 Lab. Assts.

*Chemistry, Physical* [Sr. Lectr.

le Roux, L. J., M.Sc., B.Com. S.A.
Pretorius, V., M.Sc. 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. Leyden, LL.B. (Latin).
Pistorius, P. V., M.A., B.D. Stell., Litt.D. Leyden, D.Litt. (Hellenic and Patristic Greek).

Lecturers

de Kock, E. L., Litt.D. Leyden, M.A. (Greek).
la Grange, L. J. D., B.A. (Latin).
7 Pt.-time Lectrs.

*Commerce and Public Administration*, 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) Co-Prof.
Wiehahn, B. S., B.Com., M.B.A. Harv. (Acctg.) Co-Prof.
Gey van Pittius, E. F. W., M.A. S.A., Ph.D. Lond. (Public Admin. and Polit. Sc.) Prof.
Goudriaan, J., Dr.Ir. Tegnische Hogeschool, Delft (C. and Indust. Econ.) Prof.
Lustig, H., Cand.Amst., M.Com. Bus. Man. (C. and Industr. Econ.) Sr. Lectr.
Franzsen, 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., Ph.D. Chic. (Pol. Science and Public Admin ) Sr. Lectr.
Nieuwoudt, C. F., B.A. (Pol. Sci. and Pub. Admin.) Lectr.
12 Pt.-time Lectrs., 7 Assts.

*Domestic Science*

Ackerman, Esther M., M.A. Col., M.Sc. Corn., B.Sc. Dom.Sc. Sr. Lectr.
Vos, Aletta C., D.Sc. Stell. Sr. Lectr.
Potgieter, Mrs. Maria M., B.Sc. Dom.Sc. Lectr.
Combrink, Veronica, B.Sc. Dom. Sc. Lectr.
1 Jr. Lectr., 1 Temp. Lectr.

*Dutch, Afrikaans and Germanic Philology and Literature*

Professors

Louw, S. A., Litt.Docts. Utrecht, M.A., D.Litt. (Afr. and Dutch Lang.).
Kritzinger, M. S. B., M.A., D.Litt. S.A. (Afrikaans Lit.).
Buning, T., B.A., B.Sc. S.A., M.A., D.Litt., M.Ed. (Dutch Lit.).

Senior Lecturers

Bingle, J. P., M.A., H.E.D. (Afrikaans Lang.).

Scholtz, H. v. d. M., M.A. S.A., D.Litt. et Phil. Amst. (Afrikaans Lang.).

2 Temp. Lectrs.

*Economics*, v. Commerce

*Education*, v. *infra*

*English*

Titlestad, R. M., M.A., LL.B. S.A., M.A. Oxon. Prof.

Partridge, A. C., Ph.D. Cape T., M.A. Sr. Lectr.

Sabbagha, N. G., M.A. S.A. and Oxon. Sr. Lectr.

Knowles-Williams, Gweneth, M.A. Lectr.

van Huysteen, J. A., B.A. Rand. Lectr.

*Entomology*, v. Agriculture, *infra*

*French*

Oosterhof, F. M. P., D.Litt. Sorbonne, M.A., H.E.D. Sr. Lectr.

1 Jr. Lectr.

*Geography and Econ. Geog.*

Scheepers, G. H., B.A. S.A., D.Sc. Hamburg, M.Sc. Prof.

Hugo, C. F., B.A. S.A., M.A., D.Phil. Stell. Sr. Lectr.

Vorster, J. H., M.Sc. Lectr.

1 Tech. Asst., 2 Demrs.

*Geology*

Willemse, J., Ph.D. Zür., M.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 Lit.) Prof.

Trümpelmann, J., B.A. S.A., Dr.Phil. Leipzig, D.Phil. (German Lang.) Sr. Lectr.

1 Pt.-time Lectr.

*Hebrew*

van Selms, A., Th.D. Utrecht Prof.

van Zyl, A. H., B.D., M.A. Lectr.

1 Pt.-time Lectr.

*History*

Pelzer, A. N., M.A., D.Phil. Prof.

van Alphen, G., D.Litt. Leyden (Hist. of Neth. Culture) Prof.

van der Westhuysen, H. M., M.A., D.Litt. (Hist. of Afrikaans Culture) Prof.

Spies, F. J. du T., M.A. S.A., Litt.D. Leyden Sr. Lectr.

de Kock, W. J., M.A., B.Ed. Cape, D.Phil. Stell. (on leave to July 1954) Lectr.

1 Pt.-time Lectr.

*Land Surveying*

Maré, W., B.Sc.Eng. Rand., M.Sc., Dip. Land Surveying Sr. Lectr.

van der Walt, I. H., B.Sc. S.A., Dip. Land Surveying Lectr.

2 Pt.-time Lectrs.

*Law*, v. *infra*

*Library Science*

Coetzee, P. C., B.A. S.A., M.A. Sr. Lectr.

Lecturers (Pt.-time)

van den Bergh, A. J., B.A., Dip. Libr.

Aschenborn, H. J.

Rautenbach, Maria D., B.A. Stell.

2 Pt.-time Lectrs.

*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) Sr. Lectr.
Zietsman, P. J., M.Sc., B.Ed. Lectr.
Schutte, H. J., U.E.D., M.Sc. S.A., D.Phil. Leyden Lectr.
2 Pt.-time Lectrs., 1 Jr. Lectr.

*Mathematics, Applied*

Beezhold, W. F., D.Sc. Utrecht, M.Sc. Prof.

Lecturers
Geldenhuys, J. J., M.Sc., H.E.D.
Kruger, C. J. v. Z., M.Sc.
Wüd, D. H., M.Sc.
4 Demrs.

*Medicine*, v. *infra*

*Native Administration*, v. Social Anthropol. and Appl. Soc. Anthropol., *infra*

*Philosophy*

Oberholzer, C. K., B.A., D.Ed. S.A., M.A., D.Phil., D.Ed. Prof.
Meyer, A. M. T., M.A., D.Phil. Sr. Lectr.
Dreyer, P. S., M.A., B.D., D.Phil. Lectr.

*Physics*

Verleger, H., D.Phil. Giessen, Dr. rer. nat. habil. Tech. Univ. Darmstadt Prof.
Voss, V., B.A. Cape, M.A., Ph.D. Johns H. Sr. Lectr.
van der Merwe, J. H., M.Sc. Stell., Ph.D. Brist. Sr. Lectr.

Lecturers
Fourie, D. J., M.Sc.
Prinsloo, L. A., M.Sc.
Steyn, A. P., M.Sc. Stell.
2 Pt.-time Lectrs., 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.
1 Tech. Asst.

*Semitic Languages*, v. Hebrew, *supra*

*Social Anthropol., and Appl. Social Anthropol.* (*Native Admin.*)

Coertze, P. J., M.A., D.Phil. Stell. (Soc. A.) Prof.
Eloff, J. F., B.A. (Soc. A.) Sr. Lectr.
Bothma, C. V., M.A. (Soc. A.) Sr. Lectr.
Coertze, R. D., B.A. S.A. Lectr.

*Sociology and Social Work*

Cronjé, G., M.A. Stell., Litt. et Phil. Dr. Amst. Dean, Fac. of Arts, Prof.
Venter, H. J., D.Phil. Sr. Lectr.

Lecturers
van Zyl, G. J., B.A. (S. W.), M.A.
van der Walt, P. J., M.A., B.Ed., H.E.D.
4 Jr. Lectrs., 2 Pt.-time Lectrs.

*Theology*, v. *infra*

*Veterinary Science*, v. *infra*

*Zoology*

Malan, D. E., M.A. Cape, Ph.D. Zür. Prof.
Malan, D. J., M.Sc. S.A. Sr. Lectr.
Eloff, F. C., D.Sc. Lectr.
Lombard, G. L., M.Sc. Lectr.
1 Pt.-time Lectr., 1 Tech. Asst., 21 Demrs.

*Zootechnics*, v. Vet. Science, *infra*

## Agriculture

*Agric. Biochemistry*

Kellermann, J. H., Ph.D. Wis., D.Sc.Agric. Stell. Prof.
1 Pt.-time Asst.

*Agric. Chemistry and Soil Technology*

Theron, J. J., B.Sc.Agr. S.A., Ph.D. Calif. (Soil Tech.) Dean of Fac., Prof.
van Wyk, L. P., B.Sc.Agric. Lectr.

*Agric. Economics*

Tomlinson, F. R., M.Sc.Agric. Stell., Ph.D. Corn., D.Sc. Agric. Prof.
3 Temp. Asst. Lectrs.

*Agric. Engineering*

..... Prof.
Vorster, J. A., M.S.A.E. Iowa, B.Sc.Agric. Sr. Lectr.
van Heerden, J. S. P. K., Ph.D. (Ag. Eng.) Mich., M.Sc. Agric. Eng. Sr. Lectr.
Grobler, B. J., B.Sc.Ag.Eng. Lectr.
1 Temp. Lectr.

*Agric. Entomology (and Entomology in Fac. of Science)*

Geyer, J. W. C., D.Sc. Agric. Prof.
Janse, A. J. T., D.Sc. S.A. (Systematic E.) Hon. Prof.
Mathee, J. J., Ph.D. Camb., M.Sc. Sr. Lectr.
le Clus, Yvonne, B.Sc. Lectr.

*Agronomy*

Haylett, D. G., M.Sc. Ill., Ph.D. Corn. Prof.
du Preez, W. B., M.Sc.Agric. Sr. Lectr.
1 Pt.-time Lectr.

*Animal Husbandry, Sheep and Wool, Animal Breeding*

Bonsma, F. N., B.Sc.Agric. S.A., D.Sc.Agric. (Animal Breeding) Prof.
Starke, J. S., D.Sc.Agric. (An.H.) Sr. Lectr.

Lecturers

Bonsma, J. C., M.Sc.Agric. (An. H.).
Hirzel, R., B.Sc.Agric. Stell., M.Sc.Agric. (An.H.).

*Dairying* [Union-Castle Prof.
Davel, H. B., B.Sc. Iowa

Senior Lecturers

Neethling, H. L., M.Sc.Agr. Ames.
de Kock, A. A., B.Sc.Agr.
1 Tech. Asst.

*Forestry*

..... Lectr.

*Genetics*

Hofmeyr, J. D. J., M.Sc.Agric. Stell., Ph.D. Corn., Ph.D. S.A. Sr. Lectr.
1 Pt.-time Lectr.

*Horticulture*

Oberholzer, P. C. J., Ph.D. Arizona, M.Sc.Agric. Prof.
1 Tech. Asst.

*Plant Pathology*

Dippenaar, B. J., D.Sc.Agric. Stell. Prof.
Wijers, Everdina E., B.A. S.A., M.Sc. Sr. Lectr.

*Poultry*, v. also Vet. Sci.

Gericke, A. M. M., M.Sc. Rutgers, D.Sc.Agric. Union-Castle Prof.
1 Asst. Lectr.

*Veterinary Science*

Henning, M. W., D.Sc. S.A. Prof.

## Dentistry

*Conservation*

Joubert, P. M. B., Tandarts Utrecht Dean of Fac., Hd. of Dept., Prof.
Schoeman, P. J., B.D.S. Rand., B.Sc. Sr. Lectr.
8 Pt.-time Lectrs., 5 Clin. Assts.

*Dental and Oral Surgery*

Goldin, H., D.D.S Mich.
Hd. of Dept. (Pt.-time), Lectr.

5 Pt.-time Lectrs.

*Dental Pathology and Histo-Pathology*

de Jager, C. L., B.A. S.A., B.D.S. Rand. Hd. of Dept., Prof.

Snyman, P. C., B.D.S. Rand. Sr. Lectr.

3 Pt.-time Lectrs., 1 Pt.-time Clin. Asst.

*Orthodontics*

de Villiers, J. F. v. d. S., M.D.S., D.P.D. Rand., Cert.Orthod. Col.
Hd. of Dept., Pt.-time Lectr.

2 Pt.-time Clin. Assts.

*Prosthetics*

Louw, H. H., B.D.S. Rand.
Hd. of Dept. (Pt.-time), Prof.

1 Pt.-time Lectr., 3 Pt.-time Clin. Assts.

*Hospital Staff.* 2 Sr. and 2 Jr. Dent. Surgeons; 12 Hon. Visiting Dent. Surgeons.

## Education

*Educational Psychology*

Nel, B. F., B.A., D.Phil. S.A., Litt. et Phil.D. Amst., M.Ed. Dean of Fac., Prof.

Sonnekus, M. C. H., B.Com., M.Ed. Lectr.

1 Tech. Asst.

*Educational Sociology*

Nel, B. F., B.A., D.Phil. S.A., Litt. et Phil.D. Amst., M.Ed. Prof.

du Plessis, P. J. J., B.A., S.E.D. Stell., D.Ed. Lectr.

1 Tech. Asst., 4 Pt.-time Lectrs.

*General History and Theory of Education*

du Toit, J. J., D.Ed. Amst., D.Phil. Potchef. Prof.

3 Pt.-time Lectrs.

*History of Education in South Africa*

Pelzer, A. N., M.A., D.Phil. Prof.

*Nursery School Training*

Naude, Helena J., B.A. (S.W.) Lectr.

*Philosophy of Education*

Oberholzer, C. K., B.A. S.A., M.A., D.Phil., D.Ed. Prof.

*Physical Education*

Smit, C., B.A. Cape Prof.

Schrecker, K. A., Dip. in Phys. Educ. Berl. Sr. Lectr.

van der Merwe, G. W., B.Sc., B.Ed.Ph. Stell., M.Sc. Indiana Lectr.

Oertly, Gertrud, Phys.Ed.Dip. Basle Lectr.

Jooste, M., B.Ed.Phys. Stell. Lectr.

1 Pt.-time Lectr.

## Law

*Crim., Const. and Admin. L. and Public Internat. L.*

Coertze, L. I., M.A., LL.D. Stell. Prof.

Hamman, E. M., LL.D. Leyden, B.A., LL.B. (Merc. L.)
Dean, Fac. of Comm. & Pub. Admin., Prof.

3 Pt.-time Lectrs.

*Jurisprudence, Roman-Dutch L., Internat. Private L., Comparative L.*

Pont, D., Q.C., LL.D. Utrecht, LL.B. S.A.
Dean of Fac., Prof.

Trengove, J. J., B.A., LL.B. Sr. Lectr.

Botha, A. S., B.A., LL.B. Lectr.

Joubert, C. P., LL.D. Leyden, B.A., LL.B. Lectr.

2 Pt.-time Lectrs.

*Native Law*

Maré, J. A. G., B.A., S.E.D. Stell., LL.B. Sr. Lectr.

*Roman Law*

van Warmelo, P., LL.D. Leyden, B.A., LL.B. Prof.
2 Pt.-time Lectrs.

**Medicine**

*Anæsthetics*

Kok, O. V. S., M.B., Ch.B. Cape, D.I.M. Liv. Sr. Lectr.
Dippenaar, J. F., M.B., Ch.B. Sr. Anæsth.
Verster, O. J., M.B., Ch.B. Cape T., Dip.Anæsth. Lectr.
Wessels, P., M.B., Ch.B. Cape, D.A. Rand. Lectr.
Coetzee, C. H. H. Sr. Lectr.
2 Asst. Anæsth., 4 Clin. Assts.

*Anatomy*

de Haas, W. G., M.D. Utrecht, M.B., Ch.B. Cape T. Prof.
Muller, Mrs. Tobie, M.B., Ch.B. Cape Sr. Lectr.
Lups, Mrs. Jantina B., 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.Sc. S.A., M.A., B.M., B.Ch. Oxon., M.D. Rand. Prof.
Pannall, L., M.B., B.Ch. Rand., D.C.H. Sr. Lectr.
4 Clin. Assts.

*Diseases of the Ear, Nose and Throat*

Hofmeyr, J. H., B.Sc., M.B., Ch.B. Cape T., F.R.C.S.Ed. Sr. Lectr.
Swanepoel, K. J., M.B., Ch.B. Dub., D.L.O. Lectr.
1 Clin. Asst.

*Diseases of the Eye*

Kriek, J. C., M.A., M.B., B.Ch. Rand. Sr. Lectr.
Jacobs, D. J., M.B., Ch.B. Rand., D.O. Lectr.
2 Clin. Assts.

*Diseases of the Skin*

Marshall, J., M.B., B.S. Lond., M.D. (Skin Diseases) Lectr.

*Forensic Medicine*

Loubser, C. J. N., B.Sc. Stell., B.A., M.B., Ch.B. Dub., M.D. Rand., D.P.H. Prof.
1 Temp. Lectr.

*Gynæcology and Obstetrics*

te Groen, L. J., Arts Amst. Dean of Fac., Prof.
Oosterhagen, P. H., M.B., Ch.B. Cape T. Sr. Lectr.
Geldenhuys, F. G., M.B., Ch.B. Rand., M.D. Sr. Lectr.
4 Clin. Assts., 1 House Doctor.

*Hospital Admin. and Organ.*

Hugo, H. J., M.D. Dub. Lectr.

*Infectious Diseases*

Nelson, H. M. A., M.D., Ch.B., B.A.O. Dub., D.P.H., D.T.M. Sr. Lectr.
Dicks, R. E. W., M.B., Ch.B. Edin., D.P.H. Rand. Asst.
2 Additional Assts.

*Medical Ethics*

Oosthuizen, Prof. S. F., M.D., D.M.R. Lond. Lectr.

*Medicine*

Snyman, H. W., M.B., B.Ch. Rand., M.D. Gron. Prof.,
..... Sr. Lectr.
Kloppers, P. J., M.D. Rand. Sr. Lectr.

du Toit, J., M.B., Ch.B. Cape T. Sr. Lectr.
Marshall, J., M.D. Lond., M.D., B.S. Sr. Lectr.
Ziady, F., M.B., Ch.B. Cape T., M.D. Sr. Lectr.
2 Jr. Lectrs., 12 Clin. Assts.

*Orthopædics*, v. Surgery, *infra*

*Pathological Anatomy*

Barnetson, J., M.B., Ch.B. Edin., D.T.M. & H. Rand. Prof. and Dir. of Inst. of Pathol.
Barnard, P. J. J., M.B., Ch.B. Cape T. Sr. Lectr.
4 Tech. Assts., 1 Lay Asst.

*Pathology and Bacteriology*

Pijper, A., M.D., D.Sc., Dipl. Trop. Gen. Hamburg Emeritus Prof.
Kinnear, A. A., B.Sc., M.B., Ch.B. Cape T. Sr. Lectr.
..... (Clin. Path.) Sr. Lectr.
Kingsley, C. S., M.B., Ch.B. Rand. Lectr.
Crocker, Clarice G., M.Sc. Rand., Ph.D. S.A. Lectr.
2 Clin. Assts., 8 Tech. Assts, 3 Lay Assts.

*Pharmacology*

Steyn, D. G., B.Sc. Stell., Dr.Med.Vet. Vienna, D.V.Sc. Prof.
1 Temp. Demr., 1 Tech. Asst.

*Physiology*

Brink, C., B.Sc. Stell., M.B., B.Ch. Rand. Prof.
Meyer, B. J., M.Sc., M.Ed. Stell., D.Sc., M.B., Ch.B. Sr. Lectr.
Rabie, J., M.Sc. Stell. Lectr.
Mihàlik, P., M.D. Budapest Lectr.
3 Tech. Assts.

*Psychiatry*

Vermooten, I. R. (Pt.-time) Prof.
1 Pt.-time Lectr., 6 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. Sr. Lectr.
Fichardt, T., D.M.R.E. Camb. Sr. Lectr.
van Niekerk, J., B.Sc. Stell., M.B., Ch.B., Cape T., D.M.R. Sr. Lectr.
van der Walt, M. J., M.B., Ch.B. Rand., D.M.R Lectr.
7 Clin. Assts.

*Surgery*

Bremer, J. K., M.B., Ch.M. Cape T., F.R.C.S.Ed. (Orthopædics) Prof.
Schulenburg, C. A. R., M.B., Ch.M. Cape T., M.D., F.R.C.S. (Surg. and Anat.) Sr. Lectr.
Besselaar, H. J., M.D. Zür. Sr. Lectr.
du Toit, J. G., M.B., Ch.M. Cape T., F.R.C.S.Ed. (Orthopædics) Sr. Lectr.
Jordaan, J. C., M.B., Ch.M. Cape T. Sr. Lectr.
Marais, T. J., M.B., Ch.B. Cape T. Lectr.
de Wet, I. B., M.B., Ch.B Rand. (Orthop.) Lectr.
Eybers, von W., M.B., B.Ch. Rand Clin. Asst.
Laubscher, C. L., M.B., B.Ch. Rand., Ch.M. (Orthopædics) Lectr.
Maas, J. P., M.B., Ch.B. Lectr.
9 Clin. Assts.

*Venereal Diseases*

2 Pt.-time Lectrs.

### Theology

(a) *Dutch Reformed Church*

Geyser, A. S., M.A., D.D. (New Test. Exegesis and Theol.) Prof.
Gemser, B., D.Litt., D.Drs. Gron. (Old Test. Exegesis and Theol.) Prof.

Engelbrecht, S. P., D.D. Utrecht (Hist. of Christianity) Dean of Fac. (*a*), Prof.
Wolmarans, H. P., M.A., B.D. S.A., D.D. Gron. (Philos. of Religion and Missions) Prof.
Engelbrecht, B. J., D.D. Gron., B.D. (Christian Ethics and Dogma) Prof.

(b) *United Dutch Reformed Church of S.A.*

Groenewald, E. P., M.A. Stell., Th.Dr. Amst. (New Test. Exegesis and Theol.) Dean of Fac. (*b*), Prof.
Kritzinger, J. H., M.A. Stell., Th.Dr. Amst. (Old Test. Exegesis and Theol.) Prof.
Keet, D. J., B.A. Oxon., Th.D. Amst. (Church History, History of Dogma and Canon Law) Prof.
du Preez, A. B., M.A., Th.D. Amst. (Philos. of Religion, Dogma and Christian Ethics) Prof.
du Toit, H. D. A., B.A. Cape, Th.D. Amst., D.D. (Philos. of Religion and Missions) Prof.

### Veterinary Science

*Ambulatory Clinic and Materia Medica*

Belonje, C. W. A., B.V.Sc.

*Animal Nutrition*

Groenewald, J. W., M.Sc. Ames, D.Sc.Agric. Prof.

*Biochemistry*

Louw, J. G., D.Sc. Sr. Lectr.

*Poultry Diseases*

Coles, J. D. W., B.V.Sc. Prof.

*Vet. Anatomy*

Jackson, C., B.Sc. Rand., D.V.Sc. S.A. Prof.
de Boom, H. P. A., B.V.Sc. Lectr.

*Vet. Bacteriology and Infectious Diseases*

Robinson, E. M., D.M.V. Berne, D.V.Sc. S.A., F.R.C.V.S. Prof.
van Drimmelen, G. C., D.V.Sc. Lectr.

*Vet. Botany*, v. Vet. Tox. and Veld Management

*Vet. Hygiene, Municipal*

Fourie, P. J. J., Dr.Med.Vet. Utrecht Dean of Fac., Prof.
Sutton, G. D., B.V.Sc. (also An. Management) Lectr.

*Vet. Medicine*

Malherbe, W. D., B.V.Sc. Prof.
Kaschula, V. R., 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.) Sr. Lectr.
Ortlepp, R. J., M.A. Cape T., D.Sc., Ph.D. Lond. (Helmin.) Lectr.

*Vet. Pathology,*

Schulz, K. C. A., B.Sc., B.V.Sc. S.A., Dr.Med.Vet. Leipzig Prof.
Graf, H., B.Sc., D.V.Sc. S.A. (Chem. Path.) Sr. Lectr.
Smit, J. D., B.V.Sc. Lectr.

*Vet. Pharmacology and Vet. Physiology*

Clark, R., D.V.Sc. Prof.
Weiss, K. E., B.V.Sc. Lectr.

*Vet. Surgery and Obstetrics*

Starke, N. C., D.V.Sc. Prof.
de Lange, M., D.V.Sc. Lectr.

*Vet. Toxicol. and Veld Management*

Adelaar, T. F., B.V.Sc. Sr. Lectr.
Morris, J. J., B.Sc. S.A. (Veld Ecol. and Management) Lectr.

| | | | |
|---|---|---|---|
| *Vet. Tropical Diseases and Protozoology* | | *Zootechnics* | |
| Neitz, W. O., D.V.Sc. | Prof. | Bisschop, J. H. R., B.Sc.Agric., B.V.Sc. S.A. | Prof. |

## ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Liaison Officer: C. H. Cilliers, B.Sc., B.Com. Asst. Registrar: C. H. Stuart, B.Admin. Asst. Accountant: J. P. Nel, B.Com. Asst. to Registrar: Miss Laya Osrin, B.A. Rand. Book-keeper: H. J. van Heerden. Sr. Clerk: B. Q. Wessels, B.Com. Stell.

CHAPLAIN. Rev. B. F. Naude.

LIBRARY. Asst. Librarian: A. J. van den Bergh, B.A., Dip.Libr.

TECHNICAL SECTION. Technical Adviser: F. W. Meerkotter.

## GENERAL INFORMATION

Founded 1908, when Univ. classes in Arts, Sci. and Law were established at Pretoria by the Transvaal Govt. and placed under the control of the Council of the Transvaal Univ. Coll., Johannesburg, the constitution of that body being altered so as to give Pretoria equal representation. A separation took place in 1910, the Johannesburg section being re-incorporated as the S.A. Sch. of Mines and Technol., whilst the Pretoria section retained the name of the Transvaal Univ. Coll. By Act No. 13 of 1930 the Coll. was incorporated as the Univ. of Pretoria, the higher status being assumed on Oct. 10, 1930. In 1917 a Fac. of Agric. was instituted, financial provision for which (an endowment of £100,000) had been made by the last Parliament of the Transvaal in 1910. The following Facs. have since been established: 1918, Theol.; 1919, Comm. and Pub. Admin.; 1920, Vet. Sci.; 1923, Music; 1937, Educn.; 1943, Med.; 1950, Dent.

The Univ. consists of the Chancellor, the Vice-Chancellor, the Rector, the Council, the Senate and Convocation, together with the Profs., other teachers and students of the Univ. The Rector is *ex officio* Chairman of the Senate.

INCOME. Govt. Grants, £247,675 (54·69 per cent. of total); Annual Grants from Public Bodies, £8580 (1·89 per cent.); Interest on Investments, £3692 (0·83 per cent.); Students' Fees, £157,167 (34·71 per cent.); other income, £35,720 (7·88 per cent.).

FACULTIES AND DEANS (1953). *Agriculture*, Prof. J. J. Theron; *Arts*, Prof. G. Cronjé; *Commerce and Public Administration*, Prof. E. M. Hamman; *Dentistry*, Prof. P. B. M. Joubert; *Education*, Prof. B. F. Nel; *Law*, Prof. D. Pont; *Medicine*, Prof. L. J. te Groen; *Science*, Prof. H. L. de Waal; *Theology*, Prof. S. P. Engelbrecht and Prof. E. P. Groenewald; *Veterinary Science*, Prof. P. J. J. Fourie.

The Fac. of Agric. is one of 3 in S.A. It specializes along different lines from that at Stellenbosch, particular attention being paid to study of farming in summer rainfall area of S.A. There is an Experimental Farm (*Telephone*: 4-4517) one mile east of main Univ. site. The Fac. has two functions: (*a*) *Educational*: serving as teaching instn. for training of agriculturists and agric. engineers. Courses for Bachelors' degrees cover 4 yrs. and candidates may specialize in any branch of agric. Postgrad. work may be taken, and about 20 per cent. of students enrolled follow postgrad. courses. (*b*) *Research*: The Fac. is also a res. inst. whose work falls under direct control of Dept. of

Agric. of the Union Govt. In this respect it functions as a division of the Dept.

The Fac. of Vet. Sci. (*Telephone*: 5-2411) was grafted on to the Vet. Res. Lab. at Onderstepoort, one of the largest vet. res. insts. in the Commonwealth. The most important subjects of res. comprise protozool., virus and bacterial diseases, helminthol., entomol., poisonous plants, mineral metabolism and other nutritional problems, sterility in cattle and sheep and other obstet. and physiol. problems.

The Clin. Bldgs. of the Fac. of Med. are in the grounds of Pretoria General Hospl. (*Telephone*: 2-9741). The Inst. of Pathol. is in Beatrix St., Pretoria (*Telephone*: 3-0811). The Dental and Oral Hospital is in Beatrix Street. (*Telephone*: Pretoria 2-6404.)

LIBRARY. 156,000 vols. Special collections: Africana, Goethe, Roman and Dutch Law.

LABORATORIES, ETC. Applied Maths., Bot., Plant Physiol., Chem., Entom., Geog., Geol., Phys., Psychol., Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat., Sheep and Wool, Domestic Sci., Gen. and Clin. Anat., Histol., Physiol., Biochem., Bacteriol., Clin. Pathol., Pathological Anat., Pharmacol., Medicine, Agric. Engin., Surveying, D. Histol., D. Mech., Oper. Dent., D. Prosth., D. Surgery. BOTANICAL GARDENS in Univ. grounds. VETERINARY RESEARCH INST. CHILD GUIDANCE CLINIC. 3 TEACHING HOSPITALS.

ADMISSION. *See* Appendix I. Non-members of the Univ. are not admitted to classes.

FIRST DEGREES. (No Honours degrees are awarded.) B.A., B.A. (Social Work), B.Admin., B.Com., B.Sc., B.Mus. (in abeyance), B.A. Library Science, B.A. (Mil.), B.Sc. (Mil.), B.Sc. (Mil.) (Air Force Cadets)—3 yrs. Combined course B.A. (Soc. Work) and Dipl. for Nursery Sch. Teachers, and combined course B.A. and Lower Dipl. in Library Science, 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 Higher Dip. in Education or equiv. dip.; M.Med.—not less than 2 yrs. after M.B., Ch.B., and registration for 1 yr. with the S.A. Med. and Dent. Council (depts. of Radiol., Diagnostic Radiol., Therapeutic Radiol., Oto-Rhino-Laryngol., Ophthalmol., Anæsthetics—3 yrs.; Med., Surg., Dis. of Children, Obstet. and Gynæcol., Pathol., Dermatol.—4 yrs.). M.Ed.—1 yr. after B.Ed. 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.Com. Bus. Management and Admin., 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. (*a*) Postgrad.: Library Science (Higher), 2 yrs.; Soc. Work (Higher), 1 to 1½ yrs.; Theol., 3 yrs.; Higher Educn., 1 yr.; Anæsth., 2 yrs.;

Ophthalmol., 2 yrs.; Oto-Rhino-Laryngol., 3 yrs.; Med. Radiol., 3 yrs. (these postgrad. Med. Dipls. will be replaced in due course by the M.Med. degree); (*b*) Other: Library Science (Lower), 2 yrs.; Music (in abeyance), Soc. Work, 3 yrs.; Archit., 5 yrs.; Dom. Sci. Teaching, 3 yrs.; Quantity Surveying, 5 yrs.; Law (Civil Service), 3 yrs.; Law (Attorneys' Admission), 3 yrs.; Bus. Management and Admin., 2 yrs.; Comm., 3 yrs.; Pub. Admin., 3 yrs.; Primary Teaching (Higher), 3 yrs.; Special Educn., 1 yr. after recognized teaching certif. and experience; Nursery Sch. Teaching, 3 yrs.; Phys. Educn., 3 yrs.; Nursing for Sister Tutors, 1 yr.; Obstet. for Sister Tutors, 1 yr.; Radiog., 2 yrs.

CERTIFICATE. Quantity Surveying, 5 yrs.

FEES. The following are the composite fees. Except where payable per course, amounts indicated are annual fees.

*Bachelors' degrees*: B.A. (Intra-mural), B.A. (Teachers' Option), B.A. (Library Sci.), B.A. (Mil.) II and III, B.Sc. (Evening classes) for 4-yr. curric., B.D., £45; B.Ed. (Postgrad.), £45 per course (fees payable in 1st yr.); B.A. (Extra-Mural), £38; B.A. (Soc.Sci.) (Intra-Mural), £48; B.A. (Soc.Sci.) (Extra-Mural), £41; B.A. (Mil.) I, B.Sc. (Mil.) I, £18; B.Ed. (Phys.), B.Sc., B.Sc. (Evening classes) for the 3-yr. curric., B.Sc. (Q.S.), B.Arch., B.Sc. (Dietetics), B.Sc. (Dom.Sci.), B.Sc. (Pharmacy) (Provis.), B.Sc. (Mil.) II and III, LL.B., B.Sc. (Agric.), B.V.Sc., M.B., Ch.B. I, B.Ch.D. I, £50; B.Sc. (Geol.), £51; B.Sc. (Land Surveying), £55; B.Com. for 3-yr. curric., B.Admin., £39; B.Com., for 4-yr. curric., £36; B.D. (Postgrad. course, Section B), £14; M.B., Ch.B. II, £65 (plus £15 exemption fees); M.B., Ch.B. III, IV, V and VI, B.Ch.D. III, £70; B.Ch.D. II, £70 (plus £15 exemption fees); B.Ch.D. IV and V, £80.

*Masters' degrees*: M.A., M.Admin., M.Com., M.Ed.Phys., M.Sc. (Maths.) and M.Sc. (Agric.) when use is not made of the Lab., £70 per course; M.Sc., M.Sc. (Agric.), £90 per course; M.Sc. (Geol.), £98 per course; M.Com. (Bus. Management and Admin.), £100 per course, payable during first 2 yrs. (*i.e.* £50 p.a.); M.Ed. and M.A. Library Sci., £45 per course; M.Med., £80 per course. Candidates for degree of Master who have paid full fees for course need pay only the registration fee when renewing their registration.

*Doctors' degrees*: £60 per course, payable during first 2 yrs., £30 p.a. (plus £10 p.a. lab. fees if lab. is used); D.Sc. (Geol.), £68 per course (plus £10 p.a. lab. fees if lab. is used); M.D., £80 per course. Candidates for degree of Doctor who have paid full fees for course need pay only the registration fee of £3 when renewing their registration.

*Diplomas*: Nursery Sch. Teaching, Higher Educn. (Intra-Mural), Phys. Educn., Higher Primary Educn., Dip.Juris., Lib.Sci. (Intra-Mural), Higher and Lower Dipls. in Lib.Sci. (Intra-Mural), £45; Higher Educn., £45 (evening classes 1½-yr. curric.; £7 registration fee only in 2nd yr.); Soc.Sci., £48; Soc.Sci. (Extra-Mural), £41; Higher Dipl. in Soc.Sci. (postgrad.), £40 (£7 registration fee only in 2nd yr.); Archit., Dom.Sci., Quantity Surv., £50; Hosp. Dietetics, £25; Comm. (3-yr. curriculum), £39; Comm. (4-yr. curriculum), £36; Phys. Educn., £43 (evening classes); Nursing, £35; Business Management and Admin., £100; Lib.Sci. (Extra-Mural), Higher and Lower Dipls. in Lib.Sci. (Extra-Mural), £38; Radiol., Ophthalmics, Anæsthetics, Dis. of Ear, Nose and Throat, £80 per course; Radiog., £30.

*Professional courses*: Theory of Land Surv., £45; Attorneys' Admission Examn., £25; Civil Service Law Examn., £20.

*Special courses*: Prelim. German, Prelim. Latin, £5.

ACADEMIC YEAR. Feb. to Dec. 2 semesters—Feb. to end of June, beginning of Aug. to early in Dec.

LANGUAGE OF INSTRUCTION: Afrikaans.

VACATION COURSES. Short courses may be offered in Bus. Management and Admin. if there is sufficient demand. Occasional vacation courses for teachers.

FELLOWSHIPS, ETC., FOR GRADUATES 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. (Postal address: University of Pretoria, Brooklyn, Pretoria, for all University residences except Onderstepoort, which is P.O. Onderstepoort.) Women's Residence (175 students); Warden, Mrs. Ellen C. du Toit (*Telephone*: Pretoria 4-3111; after 4.30 P.M.: 4-3115). College Hostel for men (72); Warden, Prof. T. Buning (*Telephone*: Pretoria 4-3113). Sonop Hostel for men (104); Primarius elected annually from students (*Telephone*: Pretoria 78-3713). Voortrekker Hostel for men (140); Warden, Prof. B. de Loor (*Telephone*: Pretoria 4-3644). Onderstepoort Hostel (72); Warden, Prof. W. B. Malherbe (*Telephone*: Pretoria 5-2494). Boarding Fees: £90 p.a. except Sonop, which is £85 p.a.

UNIVERSITY MILITARY FORMATION. 1 Observation and Sound Ranging Battery (1 Observation Regiment, S.A. Artillery).

ATHLETIC FACILITIES. Gymnasiums, rugby and hockey fields, tennis courts, cinder track, jukskei and cricket pitches, netball and American basketball fields, tenniquoit courts and volley ball pitch.

EXTRA-MURAL STUDIES. A special feature of the Univ. is the work done in the Extra-Mural Faculties. At 239 Vermeulen St., Pretoria (*Telephone*: 2-2632), lectures are given, out of ordinary business hours, for the benefit of public servants, articled clerks, commercial men and teachers. Nearly 1000 students are enrolled, practically all for full degree courses: for B.A., Law B.A., LL.B., B.Com., B.Admin., Masters' degrees, Degree and Diploma in Business Management and Administration, Law Certificate, Banker's Certificate, or Diplomas in 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* (Nov.), free; *Bulletins* containing result of research by members of staff.

## THE YEAR 1952

SUBSTANTIAL BENEFACTIONS. South African Iron and Steel Corporation, £5000; United Tobacco Company, £750 for Inst. of Management and Admin.; contributions totalling £7653 towards establishment of Students' Hall Bldg. Fund; other contributions, £1062.

NEW BUILDINGS. Plans are nearing completion for following: Residence for med. students; New Sci. block; Inst. of Plant Pathol.; Students' Recreation and Assembly Hall and Theatre.

PRINCIPAL CHANGES IN REGULATIONS. New courses: (*a*) a specialized B.Com.-degree course in Accountancy; (*b*) a pt.-time course leading to Higher

Dipl. in Educn. for which academic requirements are the same as for full-time course, but for which period of attendance is 18 mos. instead of 1 yr.; (*c*) M.Med. degree instituted in Fac. of Med. to replace postgrad. dipl. courses.

Several minor changes in regulations for existing degrees and dipls.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. H. Hinselmann, formerly of Dept. of Obstet. and Gynæcol., Hamburg.

RETIREMENT. Prof. J. C. Bosman (Hist. of Educn.).

RESIGNATIONS. Prof. F. N. Bonsma (Animal Husbandry), re-apptd. Prof. in Animal Breeding; Prof. B. V. Lombaard (Geol.); Prof. H. B. Serfontein (Dent.); D. J. du Plessis (Inorg. and Analyt. Chem.); Dr. A. J. Groenewald (Educnl. Psychol.).

DEATHS. Prof. H. G. Viljoen, formerly Prof. and Hd. of Dept. of Classical Greek; B. H. South, formerly Lectr. in Dept. of Archit. and Quantity Surv.

HONORARY DEGREES. *D.Litt.*—Mrs. Mabel C. Malherbe, distinguished public servant, first S.A. woman member of S.A. House of Assembly, and first woman to become mayor of a South African city; J. van Bruggen, for contributions to Afrikaans literature. *D.Phil.*—Dr. H. D. van Broekhuizen, in recognition of services to the Univ., former Ambassador to the Netherlands.

STUDENT NUMBERS.

| | *Part-Time** | *Full-Time†* |
|---|---|---|
| Men | 66 | 3152 |
| Women | 19 | 659 |
| Total | 85 | 3811 |

Postgraduate students, 845 (743 men and 102 women).

New admissions, 888 (701 men and 187 women).

Students from other countries, 52. (Countries from which largest numbers came: S. Rhodesia, 16; Netherlands, 10; Germany, 6; East Africa, 6; N. Rhodesia, 5; Belgian Congo, 5.)

DEGREES AWARDED. *Agric.*: B.Sc. (Agric.), 27; B.Sc. (Agric. Eng.), 3; M.Sc. (Agric.), 2; D.Sc. (Agric.), 1. *Arts*: B.A., 167; B.A. (S.W.), 32; B.A. Libr.Sc. (4 yrs.), 1; M.A., 19; D.Litt., 1; D.Phil., 2. *Comm.*: B.Com., 46; B.Admin., 1; M.Com., 3; M.Com. (Bus. Manag.), 10; M.Admin., 1; D.Com., 1. *Educn.*: B.Ed., 20; B.Ed.Phys., 11; M.Ed., 8; D.Ed., 2. *Law*: LL.B., 9. *Med.*: M.B., Ch.B., 79; M.Ch., 1; M.D., 2; M.D. (Clin.), 1. *Sci.*: B.Sc., 41; B.Sc. (Q.S.), 7; B.Arch., 6; B.Sc. (Dom.Sc.), 10; B.Sc. (Dietetics), 5; M.Sc., 11; D.Sc., 2. *Theol.*: B.D. Division A, 8; B.D. Division B, 11. *Vet. Sci.*: B.V.Sc., 11.

DIPLOMAS AWARDED. *Agric.*: Dip. Soil Conserv., 1. *Arts*: Dip. S.W., 2; Higher Dip. Library Sci., 1; Lower Dip. Library Sci., 6. *Comm.*: Dip.Com.,

* Part-time students are those not following degree or diploma courses. Of the part-time students 70 (52 men and 18 women) are in regular employment.

† These figures include 1521 students (1369 men and 152 women) in regular employment who are following full degree or dipl. courses and are regarded as full-time.

1 ; Dip.Bus.Manag., 1. *Educn.* : H.E.D., 26 ; Dip. Nursery Sch.T., 9 ; Dip.Phys.Educn., 1. *Med.* : Dip.Ophthal., 1 ; Dip.Med.Rad., 2 ; Dip. Anæsth., 1 ; Dip.Radiog., 14 ; Dip. Nursing for Tutor Sisters, 3 ; Dip. Obstet. for Tutor Sisters, 2. *Sci.* : Dip.Dom.Sc., 2 ; Dip. Q.S., 7 ; Dip.Arch., 5 ; Dip.Hosp.Diet., 5. *Theol.* : Dip.Theol., 6.

# RHODES UNIVERSITY*

Founded 1904; incorporated 1951

*Postal Address*: P.O. Box 94, Grahamstown, Cape Province, South Africa.
*Telegrams*: Rhodescol.
*Telephone* (General): Grahamstown 589.

CHANCELLOR—B. F. J. SCHONLAND, C.B.E., M.A., Ph.D., Sc.D. Camb., D.Sc. Cape T., LL.D. Natal, LL.D., F.R.S.

VICE-CHANCELLOR AND PRINCIPAL—T. ALTY, Ph D. Camb., D.Sc. Liv., D.C.L. Durh., LL.D. Glas., F.I.P., F.R.S.C.

PRO-VICE-CHANCELLOR AND VICE-PRINCIPAL—J. V. L. RENNIE, M.A. Cape T., Ph.D. Camb.

CHAIRMAN OF COUNCIL—S. B. HOBSON, M.A. Cape.

VICE-CHAIRMAN OF COUNCIL—H. A. KENDALL.

PRESIDENT OF CONVOCATION—The Hon. Mr. Justice A. G. JENNETT, B.A., LL.B. S.A.

REGISTRAR—A. E. SHIELDS, M.B.E., M.A. Camb.

LIBRARIAN—F. G. VAN DER RIET, M.A. Stell., D. de l'U. Paris.

## TEACHING STAFF

*African Studies*

Mayer, P., B.Sc., D.Phil. Oxon., Dr.Jur. Heidel. Prof.
Kent, N. R., M.A. Cape T. Lectr.

*Botany*

Twyman, E. S., M.Sc., Ph.D. Birm. Prof.

Lecturers

Martin, A. R. H., B.A. Camb. (on leave).
Noel, A. R. A., B.Sc. Lond.
Seagrief, S. C., M.Sc. Temp. 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. Paris, 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.
..... Lectr.

*Classics*

White, K. D., B.A. Liv., M.A. Camb. Prof.
Whiteley, S., M.A. Oxon. Sr. Lectr.
..... Lectr.

*Commerce*

Liddell, D., M.A., B.Com. Edin. Prof.
Roberts, H. M., B.Com. Rand. Sr. Lectr.
Smith, H. H., M.Com. S.A. Sr. Lectr.

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

*Divinity*

Robinson, Rev. N. H. G., M.A., D.Litt. Glas., B.A. Oxon., B.D. Edin. Prof.

Cosser, Rev. W., M.A., B.D. Glas., D.D. S.A., B. en Théol. Stras. Sr. Lectr.

Hewson, Rev. L. A., B.A. Rand., M.A. Camb. Lectr.

3 Pt.-time Lectrs.

*Economics and Politics*

Houghton, D. H., M.A. Oxon., B.A. S.A. Prof.

Threlfell, R. L., B.A. Camb., M.Com. S.A. Sr. Lectr.

Slee, A. T. C., B.Sc. (Econ.) Lond., M.A. S.A. Lectr.

Rose, H., M.A. Oxon. 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.

Waters, Mary W., L.L.A. St. And. Temp. Lectr.

1 Sr. Demr., 2 Instrs., 4 Pt.-time Lectrs.

*English*

Butler, F. G., M.A. S.A., B.A. Oxon. Prof.

Wahl, J. R., M.A., Ph.D. Cape T. Sr. Lectr.

Hall, A. D., B.A. Oxon., B.A. S.A. Lectr.

Cross, K. W., B.A. Dub. Lectr.

Davison, D., M.A. Sheff. Lectr.

*Fine Arts*

Todd, C. Prof.

Guiton, Mrs. Natalie M., B.A. (F.A.) S.A. Sr. Lectr.

..... Lectr.

*French*

Hérisson, C. D., L. ès L., D. en Droit et en Sc. Écon. Toulouse, M.A. Lafayette Prof.

Cattanéo, J. L., M.A. S.A., Dip. de Litt. Française, Cert. in Fr. Phonetics Paris Lectr.

*Geography*

Rennie, J. V. L., M.A. Cape T., Ph.D. Camb., Geog. Dip. Lond., F.R.S.S.Af. Prof.

Forbes, V. S., M.A. Camb. Sr. Lectr.

*Geology*

Mountain, E. D., M.A. Camb., D.Sc. S.A. Prof.

Ruddock, A., M.Sc. Durh. Sr. Lectr.

*German*

Meyer, C. J., Cand.Lit.Germ. Amst., D.Litt. S.A. Sr. Lectr.

*History*

Roberts, M., M.A., D.Phil. Oxon., F.R.Hist.S. Prof.

Maxwell, Mrs. W. A., B.A., B.Litt. 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. (on leave) Sr. Lectr.

Cumings, Sir C., B.C.L. Oxon., M.A. Oxon. Lectr.

Berker, H. J., B.A. S.A., LL.B. Temp. Lectr.

5 Pt.-time Lectrs.

*Mathematics*

Burnett, D., M.A., B.Sc. Aberd., M.A., Ph.D. Camb., F.R.S. S.Af. Prof.

King, J. W., M.Sc. S.A. Sr. Lectr.

du Plessis, N., M.Sc. Rand., Ph.D. Camb. Sr. Lectr.

Fick, J. R. G., M.Sc. S.A. Lectr.

*Music*

Hartmann, F. H., Dr.Jur. Vienna, D.Mus. S.A. Prof.

Gruber, G., Dr.Phil. Vienna Lectr.

6 Practical Teachers.

*Nederlands and Afrikaans*

Louw, W. E. G., M.A., Litt.Drs. Amst., Ph.D. Cape T. Prof.
Hendrikz, Phœbe A., M.A. S.A. Sr. Lectr.
Antonissen, R. J. K. E., Dr.Phil. & Lit. Louvain Lectr.

*Philosophy*

Barratt, A. J., M.A. Oxon. Prof.

*Physical Education*

Locke, E. E., B.Sc. S.A. Sr. Lectr.
Powell, J. T. Lectr.
..... Temp. Lectr.

*Physics*

Birks, J. B., B.A. Oxon., Ph.D. Glas., F.I.P. Prof.
Watson, S. W., B.A. Cape, M.A., Ph.D. Camb. Sr. Lectr.
Szendrei, M. E., M.Sc., Ph.D. S.A. Lectr.
Wright, G. T., B.Sc. Birm. Lectr.

*Psychology*

Wild, E. H., Ph.D. Lond., M.Sc. S.A., F.B.Ps.S. Prof.
Williams, W. H., B.A., B.Ed. Melb., M.A., Ed.D. Stanford Sr. Lectr.
Marsh, M. C., B.A. S.A. Lectr.

*Social Science*

Irving, J., M.A. Camb. Prof.
Andrzejewski, S., M.Sc. (Econ.) Lond. Lectr.
..... Lectr.
White, Mrs. Isobel H. B., M.A. St. And. Pt.-time Lectr.

*Zoology and Entomology*

Omer-Cooper, J., M.A. Camb., M.Sc. Durh., F.L.S. Prof.
van Hille, J. C., M.Sc., Ph.D. Utrecht Sr. Lectr.
Callan, E. M., B.Sc. Manc., Ph.D. Lond., D.I.C. Sr. Lectr.
Macnae, W., B.Sc. Glas. Lectr.

**Leather Industries Research Institute**

Shuttleworth, S. G., M.Sc., Ph.D. S.A., F.R.I.C. Director and Prof.

## ADMINISTRATIVE AND OTHER STAFF

Accountant: D. F. Blain. Asst. Registrar: R. Martin, O.B.E., M.C. Asst. Librarian: R. A. Brown, M.A. Wardens of Women's Residences: Sheila Maritz, M.Sc. S.A.; Phyllis Marsden, B.A. Lond. Wardens of Men's Residences: J. T. Powell; J. W. King, M.Sc. S.A.; E. D. Mountain, M.A. Camb., D.Sc. S.A. Catering Manager: F. D. Sudano.

## AFFILIATED INSTITUTION

UNIVERSITY COLLEGE OF FORT HARE* (formerly the S.A. Native College), P.O. Fort Hare, C.P. (*Telephone*: Alice 20.) Founded 1916. Principal—C. P. Dent, M.Sc. S.A.

## 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

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

degrees of the Univ. of the Cape of Good Hope until 1916, when it became a Constituent Coll. of the Univ. of S. Africa. In 1949, Parliament passed an Act incorporating the Coll. as Rhodes University, which came into being on March 10, 1951. From the same date, the S. African Native Coll. (now the University College of Fort Hare) was affiliated to the new Univ.

The Univ. now owns an impressive array of buildings erected progressively since 1914 on an excellent site, the nucleus of which was donated to the Coll. by the Govt. All the bldgs., which comprise administrative, academic and residential blocks, are situated within easy reach of one another, and of the Univ. sports fields.

The Leather Industries Research Inst. originated as a Tanning Res. section of the Chem. Dept. and gradually developed, until in 1942 it was able to move into a separate bldg. and became an independent Dept. In 1946, it was formally constituted as a Research Inst. under the control of the C.S.I.R., but it still remained closely associated with the Coll.

CONSTITUTION. The Univ. consists of the Chancellor, the Principal, who is *ex officio* the Vice-Chancellor, the Vice-Principal, who is *ex officio* the Pro-Vice-Chancellor, the Council, the Senate and the Convocation, together with the profs., lectrs., other teachers and the students.

LANGUAGE OF INSTRUCTION—English.

INCOME (1952). £256,000 (Govt. grant, 50 per cent.; hostel fees, 27 per cent.; academic fees, 17 per cent.; other sources, 6 per cent.).

FACULTIES AND DEANS FOR 1951–53. *Arts*, Prof. E. H. Wild; *Commerce*, Prof. D. Liddell; *Divinity*, Rev. N. H. G. Robinson; *Educn.*, Prof. D. M. Morton; *Law*, Prof. H. F. Sampson; *Music*, Prof. F. H. Hartmann; *Sci.*, Prof. W. F. Barker; *Soc. Sci.*, Prof. J. Irving.

ADMISSION. *See* Appendix I. Non-matriculated candidates may be admitted to certain dipl. and certif. courses.

DEGREES. 3 yrs.—B.A., B.Sc., B.Sc. (Hyg.), B.Com., B.Econ., B.Soc.Sc.; 4 yrs.—B.A. (F.A.), B.Mus.; 5 yrs. (*i.e.* 2 yrs. after approved Bachelor's degree in another Fac.)—B.Ed., LL.B., B.D. Degree of Bachelor with Hons. 1 yr. after Bachelor's degree in Facs. of Arts, Sci., Commerce and Social Sci.; alternatively, 4 yrs. from commencement of course in Facs. of Arts and Social Sci. Degree of Master—1 yr. after Bachelor's degree with Hons., or 2 yrs. after Bachelor's degree in Facs. of Arts, Sci., Commerce and Social Sci.; 1 yr. after Bachelor's degree in Facs. of Educn. and Music. Ph.D.—in all Facs., 2 yrs. after degree of Master or 3 yrs. after degree of Bachelor with Hons. D.Litt. (Facs. of Arts and Educn.), D.Sc., D.Econ., LL.D., D.D., D.Soc.Sc., D.Mus.—4 yrs. after degree of Master or 5 yrs. after degrees of Bachelor with Hons., B.Ed., LL.B. or B.D.

DIPLOMAS. 1 yr.—Phys. Educn., Anal. Chem., Soil Sci., Leather Sci., Educn., Social Work, Personnel Welfare and Management (all postgraduate). 2 yrs.—Theol. (postgraduate), Social Studies (non-graduate), Production Management (postgraduate). 3 yrs.—Theol., Music (both non-graduate). 4 yrs.—Fine Art (non-graduate).

CERTIFICATE. 3 yrs.—Higher Primary Teacher's; Attorney's Admission Certificate (both non-grad.).

OTHER COURSES. First-yr. courses are given for students proceeding to other Univs. for degrees in Surveying, Engin., Med., Dent., Vet. Sci. and Agric.; and a special B.Sc. degree enables a student to obtain exemption from two yrs. of the course for a degree in Surveying at certain other Univs. The

full courses of training for professional Dipls. in Survey. and Music are also given.

FEES. The following cover all charges for registration, tuition, labs., ord. examns., graduation, library, Athletic Union and Students' Socs.: B.A., B.A. (F.A.), B.Com., B.Econ., B.Soc.Sc., £44 p.a.; B.Mus., £46 p.a.; B.Sc., £54 p.a.; LL.B., £56 p.a.; B.D., £41 p.a. Diploma courses, £46 p.a. Higher Primary Teachers' Certif., £40 p.a. Hons. and Master's Degrees—fees vary according to subject. Average fees: Hons., £43 p.a., Master's, £26 p.a.

ADULT EDUCATION. Extension lectures are given from time to time by members of the staff in the main towns of the Eastern Province.

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.

FELLOWSHIPS open to grads. of other Univs. The Hugh Le May Fellowship, value about £800 for 1 yr., awarded for advanced res. in Humanities and open to grads. of any Univ.

LIBRARY. Over 70,000 vols., excluding unbound periodicals, pamphlets, etc. The Cory Library contains a collection of material relating to the hist. of the Eastern Cape Province.

RESIDENCES (*Men*): Founders Hall (Botha House, College House, Cory House, Matthews House), accommodates 187 students; Drostdy Hall (Struban House, Graham House), 117; Jan Smuts Hall (Milner House, Jan Smuts House, Livingstone House), 226. (*Women*): Oriel Hall (Beit House, Jameson House, Oriel House), accommodates 180 students; St. Mary's Hall (John Kotze House, Olive Schreiner House, Phelps House), 170. Residence fees: £100 p.a.

STUDENTS' REPRESENTATIVE COUNCIL controls all student activities other than sport.

ATHLETIC UNION controls all the sporting activities, including all the sports clubs.

PUBLICATIONS. *Calendar*; *Prospectus*; *Report* (annual); *Rhodian* (annual students' publn.).

## THE YEAR 1952

BENEFACTIONS. Women's Christian Temperance Union, £100 for Scholp.; Mr. Justice F. G. Reynolds, £450 for bursaries.

NEW POSTS. Sr. Lectr. in Accounting; Lectr. in Engl.; Asst. Librarian.

NEW COURSES. Attorney's Admission Cert.; Dipl. in Production Management.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Sir Lawrence Bragg, Camb: "The Atomic Patterns of Matter" and "The Bubble Model of a Metal Structure."

RETIREMENTS. Nil.

RESIGNATIONS. S. C. Hoxey (Engin.); A. H. Graham (Music); G. T. B. Bertram (Law).

HONORARY DEGREE AWARDED. *M.A.*—Miss J. E. Wood, Secretary and founder of the S. African Library for the Blind.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 8 | 442 |
| Women | 17 | 291 |
| Total | 25 | 733 |

Postgraduate students, 137.

New admissions, 253.

Students from other countries, 177. (Countries from which largest numbers came: S. Rhodesia, 128; N. Rhodesia, 23; Kenya, 8; S.W. Africa, 8; Portuguese E. Africa, 5.)

DEGREES AWARDED. B.A., 72; Hons. B.A., 4; B.A. (F.A.), 8; B.Com., 14; Hons. B.Com., 1; B.Sc., 36; Hons. B.Sc., 10; M.Sc., 5; B.D., 1; B.Soc.Sci., 8; LL.B., 2; Ph.D., 1.

DIPLOMAS AWARDED. U.E.D., 31; Music, 2; Personnel Welfare and Management, 2; Soc. Studies, 1.

[*Information compiled as at* 8/6/53.]

# UNIVERSITY OF SOUTH AFRICA*

Founded 1873

*Postal Address*: P.O. Box 392, Pretoria, Transvaal, South Africa.
*Telegrams*: University, Pretoria.
*Telephone*: 2-3248, Pretoria.

CHANCELLOR—The Hon. the Judge President, Mr. Justice G. J. MARITZ, Q.C., B.A.

CHAIRMAN OF THE SENATE—Professor A J. H. VAN DER WALT, D.Phil. Berl., M.A.

CHAIRMAN OF THE SENATE—Prof. A. J. H. VAN DER WALT, D.Phil. Berl., M.A.

PRESIDENT OF CONVOCATION—.....

REGISTRAR—P. A. TALJAARD, B.A., LL.B.

ASSISTANT REGISTRAR—.....

DIRECTOR OF EXTERNAL STUDIES—Professor A. J. H. VAN DER WALT, D.Phil. Berl., M.A.

SECRETARY—B. F. J. VAN RENSBURG, M.Com., B.A.

## TEACHING STAFF, DIVISION OF EXTERNAL STUDIES

*Accounting*: Sr. Lectr., .....; Lectr., L. M. du Toit, B.Com.; *Bantu Langs.*: Sr. Lectrs., E. B. van Wyk, B.A. Pret., J. H. Louw, M.A. Stell.; *Classics*: Lectr., O. von Weber; *Commerce*: Sr. Lectr., F. E. Rädel, Dipl. rer. oec. Dresden, D.Comm. Stell.; *Economics*: Sr. Lectr., K. D. Venter, M.A.; *Education*: Sr. Lectr., D. H. Cilliers, M.A., M.Ed., D.Phil.; *English*: Sr. Lectrs., E. Davis, M.A. Rand., Miss E. H. Paterson, M.A.; Lectr., F. D. Sinclair, B.A.; *French*: Sr. Lectr., Mrs. E. van der Merwe, M.A. Pret. (actg.); *Geography*: Sr. Lectr., C. B. Smit, M.A. Pret.; Lectr., .....; *German*: .....; *History*: Sr. Lectr., T. van Wyk, M.A.; Lectr., A. E. du Toit, D.Phil. Pret.; *Law*: Sr. Lectr., D. de Villiers, B.A. Oxon.; *Mathematics*: Sr. Lectr., J. H. v. d. Merwe, M.Sc. Pret.; Lectr., B. J. v. d. Walt, M.Sc.; *Native Admin.*: B. S. van As, B.A. Stell.; *Nederlands-Afrikaans*: Sr. Lectrs., H. J. J. M. van der Merwe, M.A., D.Litt. Pret., J. L. Steyn, M.A., D.Litt. Potchef.; *Philos.*: Sr. Lectr., H. J. de Vleeschauwer, Phil.D., Cand. Hist., LL.D.; *Politics*: W. A. Kleynhans, M.A. Pret., B.Com.; *Psychol.*: Sr. Lectr., A. S. Roux, M.A. Pret.; Lectr., .....; *Public Admin.*: W. A. Kleynhans, M.A. Pret., B.Com.; *Social Anthropol.*: .....; *Sociol.*: Sr. Lectr., J. A. van der Walt, M.A.; Lectr., H. L. Crause, M.A., D.Phil. O.F.S.

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

## ADMINISTRATIVE AND OTHER STAFF

*Division of External Studies*—Organizer: A. J. Vorster, B.A. Pret. Librarian: H. Zastrau, B.Sc. Pret. Asst. Librarian: Miss H. W. R. Middelberg, B.A. O.F.S.

## 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 in both English and Afrikaans; 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. S. J. H. Steven; *Commerce and Admin.*, Prof. F. C. van N. Fourie; *Educn.*, Dr. D. H. Cilliers; *Law*, D. de Villiers; *Sci.*, Prof. D. J. du Plessis; *Social Sci.*, J. A. van der Walt.

ADMISSION. *See* Appendix I.

DEGREES. B.A., Hons. B.A.; M.A.; B.Ed., M.Ed., Ph.D. in Ed., D.Ed.; D. Litt., D.Phil.; B.A. in Soc.Sci., Hons. B.A.; M.A. in Soc.Sci., Ph.D. in Soc.Sci.; B.Mus., M.Mus., D.Mus.; B.Com., Hons. B.Com., M.Com.; B.Econ., Hons. B.Econ., M.Econ.; B.Sc., Hons. B.Sc., M.Sc., Ph.D. in Sci., D.Sc.; LL.B., LL.M., LL.D.

COURSES for B.A., B.A. (Soc.Sci.), B.Com., B.Econ., B.Sc.; Honours Degrees—1 yr. after Bachelor; B.Mus., B.A. (Fine Arts)—4 yrs.; LL.B.—3 yrs., after graduating in some faculty other than Law. Students must have their curricula approved by the Senate and must pass the examns. prescribed for them from year to year by the Senate in order to qualify for degrees. Students resident outside the continent of Africa are not normally admitted to examns.

The M.Mus. covers 2 yrs. after the Bachelor's degree, and the M.A., M.Sc., M.Com.; and M.Econ. courses 1 yr. after the Hons. Bachelor degree. A thesis is required for the LL.M. Doctorates (except Ph.D.) are granted for approved theses to Bachelors of at least 5 yrs.' or Masters of at least 4 yrs.' standing (reducible to 4 and 3 respectively in consideration of attendance for one year as a research student at an approved institution). For the Ph.D. degree the periods are 3 yrs. and 2 yrs. The Master's and Doctor's degrees may also be conferred as honorary degrees.

*Diplomas*: in Education—1-yr. course; in Bantu Studies (Lower, 2 yrs., Higher, 1 yr.); 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 1952

HONORARY DEGREE. *D.Litt.*—Rev. J. E. F. Baumbach, Missionary, for contributions in fields of African and Tswana language studies.

STUDENTS (External) : 4674, including 255 graduates.

DEGREES. B.A., 124 ; Hons. B.A., 19 ; M.A., 5 ; D.Litt., 1 ; B.A. (F.A.), 1 ; D.Phil., 2 ; B.Com., 46 ; B.Econ., 8 ; Hons. B.Com., 3 ; Hons. B.Econ., 1 ; M.Com., 1 ; M.Div., 1 ; B.Ed., 13 ; M.Ed., 1 ; LL.B., 9 ; B.Sc., 9 ; Hons. B.Sc., 1 ; Ph.D., 1 ; B.A. (S.S.), 8.

Number of first degrees awarded, 196.

DIPLOMAS. U.E.D., 11 ; L.D.B.S., 4.

# UNIVERSITY OF STELLENBOSCH *

Founded 1916

*Postal and Telegraphic Address*: University, Stellenbosch, Cape Province, South Africa.
*Telephone*: 1251 Stellenbosch.

CHANCELLOR—D. F. MALAN, Th.D. Utrecht, M.A., M.P.

VICE-CHANCELLOR—K. BREMER, B.A. Cape, M.B., B.S. Lond., M.D. Pret., M.P.

PRESIDENT OF CONVOCATION—G. G. CILLIÉ, M.A., Ph.D. Stras., LL.D. Cape T.

ACTING PRINCIPAL—Professor H. B. THOM, D.Phil.

REGISTRAR—D. J. KRIEL, B.A.

LIBRARIAN—G. V. MARAIS, B.Sc. Col., M.A., F.S.A.L.A.

## TEACHING STAFF

*Agriculture.* v. *infra*

*Bantu Studies*

van Eeden, B. I. C., D.Phil. Prof.
Olivier, N. J. J., M.A., LL.B. Prof.
Bruwer, J. P. v. S., M.A. Pret. Sr. Lectr.
Holleman, F. D., LL.D. Leyden Extraord. Lectr.
Schüler, G. M. K., M.A. Lectr.

*Botany*

Jordaan, P. G., D.Sc. Prof.
de Vos, Miriam P., D.Sc. Sr. Lectr.
Smith, J. G., M.Sc. Lectr.
..... Jr. Lectr.

*Chemistry*

Professors

Rohwer, E. F. C. H., M.Sc. S.A., Dr. rer. nat. Freiburg.
Joubert, J. M., Ph.D. M.I.T., M.Sc.
Krige, G. J. R., Ph.D. Gött., M.Sc.

Senior Lecturers

Kritzinger, J. H., Dr.Ing. Aachen, M.Sc.
van der Merwe, P. W., Ph.D. Gött., M.Sc.
Barnardt, J. H., D.Sc.
Malan, H. P., M.Sc., D.Ed.

Lecturer

Stegmann, G. F., B.Sc. S.A., M.Sc.

*Classics*

Professors

van Rensburg, J. P. J., M.A. Lond., D.Litt.
..... (Greek).
Smuts, F., Litt.D. Utrecht, M.A.

Temporary Junior Lectrs.

Baumbach, Lydia, M.A.
Conradie, P. J., M.A.

*Commerce*

Professors

Schumann, C. G. W., Comm.Dr. Rotterdam, B.Sc.
Pretorius, S. J., Ph.D. Lond., M.Sc.

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Senior Lecturers
Vosloo, G. J., B.Comm. Pret.
Dempsey, W. C., M.Comm.

Lecturers
Nolte, D. J., B.Comm., M.Ed.
Smith, C. A., B.Comm.
Schumann, D. E. W., M.Comm.
..... Chief Res. Officer.
van Dyk, Hilletje A. A.
Temp. Lectr.

*Dutch and Afrikaans*

Professors
Erlank, W. J. du P., B.A. Pret. and Rand., D.Litt. Pret.
Kempen, W., Litt.D. (Jan Marais Chair).
Malherbe, F. E. J., Litt.D. Amst., M.A.
de Villiers, M., M.A., Ph.D. Cape T.

*Economics*

Sadie, J. L., Ec.D. Rott., M.Comm. (Arthur van der Lingen de Villiers Chair) Prof.
..... Sr. Lectr.

*Education*

Professors
Gunter, C. F. G., M.A., M.Ed. S.A., D.Ed., D.Phil. (Philos. of E.).
Du Toit, P. S., M.Ed., D.Phil. (Hist. of E.).
.....
.....

Senior Lecturers
Beyers, Maria S. M., M.A., M.Ed.
Donald, M. M., M.A.
Heese, J. de V., B.A., D.Ed.
Uys, Anna M., M.A., B.Ed. Cape T.
Badenhorst, J. L., B.A.
Visser, P. G., B.A. S.A., M.Ed.

Lecturers
Van Heerden, E., D.Litt. Ghent, 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, Mrs. Deborah, B A. Cape T.

*Engineering*

Professors
Truter, R., B.A., B.Sc.Eng. Cape T.
Straszacker, R. L., M.Sc.Eng. Rand., Dr.Eng. Charlottenburg, Dipl.Eng. Charlottenburg.
Heydorn, A., Dipl.Eng. Stuttgart.

Senior Lecturers
Sippel, J. J., B.Sc.Eng. Rand.
Steenkamp, W., B.Sc.Eng. Rand., S.M. M.I.T.
Lutsch, W. J. F. S., B.Sc.Eng. Rand.
du Toit, C. A., B.Sc.Eng. Rand.
Loedolff, G. F., B.Sc., B.Sc.Eng.
Giljam, B., Dipl.Mech.Eng. Delft.
Olën, C. L., M.Sc.Eng. Rand.
Toerien, L. I., B.Sc., B.Sc.Eng.
Barnard, A. P., B.Sc.Eng. Cape T.
Coetsee, A., B.Sc.Eng. Cape T.
Sauermann, J. D., B.Sc.Eng. Cape T.

Lecturers
Uys, J. F., B.Sc.Eng. Rand.
.....

*English*

Professors
Hooper, A. G., M.A., Ph.D. Leeds.
.....

Senior Lecturers
Walpole, V., M.A. Sheff.
Johnman, C. K., M.A., B.Educ. Cape T.

Lecturers
Harvey, C. J. D., M.A. Rand.
Ravenscroft, A., M.A. Cape T.
Paterson, Mary W., M.A. S.A.
Marquard, Mrs. Nellie J., M.A. Oxon. Temp. Lectr.

De Wet, Mrs. Hilda, B.A. Temp. Lectr.

*French*

Franken, J. L. M., Litt.D. Ghent, M.A. Prof.

*Geography*

Serton, P., Litt.D. Utrecht Prof.
Conradie, D. J., D.Phil. Sr. Lectr.
Nel, A., D.Phil. Lectr.

*Geology*

Scholtz, D. L., D.Sc. Prof.
Taljaard, M. S., D.Sc Prof.
Brink, W. C., D.Sc. Lectr.

*German*

..... 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. Leyden, M.A. Sr. Lectr.
Kotze, D. J., M.A. Temp. Lectr.

*Law*

Professors

Malherbe, W. M. R., LL.D. Leyden.
de Wet, J. C., LL.D. Stell. and Leyden, B.A.
Yeats, J. P., LL.D.

Senior Lecturer

van der Westhuizen, W. M., B.A., LL.D.

Extraordinary Lecturers

van Themaat, H. V., Dr.Jur., Dr. Jur.Pol. Leyden.
Holleman, F. D., LL.D. Leyden.

*Mathematics and Applied Mathematics*

Professors

Cillié, G. G., Jr., D.Phil. Oxon., M.Sc.
Stegmann, E. T., B.A., D.Sc. S.A.
le Roux, J. M., Ph.D. Lond., M.Sc.
Göldner, S. R. F., Ph.D. N.Y., M.Sc. Sr. Lectr.
de Villiers, A. J., B.Sc.Eng. Lectr.

*Music*

van der Spuy, G. Z., M.Mus. Prof.
..... Sr. Lectr.

Lecturers

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.
de Villiers, Gertruida E.
Lubbe, Elizabeth M. B. Jr. Lectr.

*Philosophy, Moral and Metaphysical*

Kirsten, J. F., D.Phil. Prof.
Degenaar, J. J., D.Phil. Lectr.

*Physical Education*

Craven, D. H., D.Phil. Prof.

Senior Lecturers

Postma, J. W., D.Ed.Ph.
Wieffering, C. J.

Lecturers

Robra, Hilde, M.Ed.Ph.
Kelder, J. C.
van der Merwe, J. J. R., B.Sc.
Nel, Hester I., M.Sc. Wellesley Coll., B.Sc.
Ross, Anne K., B.A. Barnard Coll., Columb., M.Sc. Wellesley Coll.

*Physics*

de Vos, P. J. G., D.Sc. Prof.
Cilliers, A. C., Ph.D. Frankfort, M.Sc. Prof.
Scheffler, T. B., D.Sc. Sr. Lectr.
Zeeman, P. B., D.Sc. Sr. Lectr.
Harvey, S. C., B.A. Cape Lectr.

*Physiology*

Brink, H. E., D.Sc. Prof.
Engelbrecht, F. M., D.Sc. Sr. Lectr.
Esterhuizen, A. C., M.Sc. Lectr.
..... Lectr.

*Psychology*

Professors

Janse van Rensburg, J. A., D.Phil.
van der Merwe, A. B., M.B., Ch.B. Cape T., D.Phil.
Theron, P. A., D.Phil. Sr. Lectr.
van Biljon, I. J., M.A. Lectr.

*Semitic Languages*

Weiss, P. F. D., M.A. Pret., M.A., B.D. Prof.
Fensham, F. C., M.A., B.D. Pret. Lectr.

*Social Work and Sociology*

Pauw, S., M.A., D.Phil. Pret. Prof.
Theron, Erika, D.Phil. Sr. Lectr.
Cilliers, S. P., 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. Tübingen, M.A.
Verhoef, P. A., M.A., M.Th., Th.Dr. Amst.
Keet, B. B., Th.Dr. Amst., M.A.
Müller, J. J., Th.Dr. Amst., D.D. S.A., M.A.
Potgieter, F. J. M., Ph.D. Cape T., Th.Dr. Amst., M.A.

*Zoology*

Professors

de Villiers, C. G. S., Ph.D. Zür., M.A.
du Toit, C. A., Ph.D. Cape T., M.Sc.

Senior Lecturers

Grobbelaar, C. S., Ph.D. Berl., M.A.
Malan, Magdalena E., D.Sc.

## Agriculture

*Agric. Chemistry*

Malherbe, I. de V., Ph.D. Munich, B.A. Prof.
Steenkamp, J. L., D.Phil. Oxon., M.Sc. Prof.
Perold, I. S., D.Sc.Agric. Sr. Lectr.

*Agric. Economics*

De Waal, P. E., M.S. Corn. M.Sc. Agric. Prof.
van Wyk, S. P., D.Phil. Sr. Lectr.

*Agric. Engineering*

Perold, R. P., B.Sc.Eng. Cape T., B.Sc. Sr. Lectr.

*Animal Husbandry*

..... Prof.
Swart, J. C., D.Sc.Agric. Prof.

*Dairy Husbandry*

Dixon, A., M.Sc. Pret., M.Sc. Wis. Sr. Lectr.

*Entomology*

Potgieter, J. T., Ph.D. Ohio, M.Sc. Prof.
Joubert, C. J., M.Sc.Agric. Sr. Lectr.

*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.
Hofmeyr, J. H., D.Sc.Agric. Sr. Lectr.

*Forestry*

Wicht, C. L., B.A. Oxon., Dr.Eng. Dresden, B.Sc., F.R.S.S.Af. Merensky Prof.
Hartwig, G. L. F., Dr. Oec. Publ. Munich, B.Sc.For. Transvaal Chamber of Mines Prof.
De Villiers, P. C., M.Sc.For. Lectr.
..... Transvaal Chamber of Mines Lectr.
Williams, C. R. F., M.A., Dipl.For. Camb. Extraord. Temp. Lectr.

*Genetics*

Professors

Neethling, J. H., M.Sc.Agric. Corn., M.Sc. Cape T.

Laubscher, F. X., M.Sc.Agric.

*Home Economics*

Senior Lecturers

Louw, Gertruida J., B.Sc. (Home Ec.).

Jooste, Martha E., M.Sc. (Home Ec.), Ph.D.

.....

Lecturers

du Pisani, Esther P.

Groenewald, Isabella J., B.Sc. Home Ec.

Mynhardt, Anna M., B.Sc. Dom. Sc.

Baard, Janette J.

Beukes, Johanna C., B.Sc. Dom. Sc. Jr. Lectr.

*Plant Pathology*

du Plessis, S. J., D.Sc.Agric. Prof.

du Toit, J. J., M.Sc.Agric. Lectr.

Louw, H. A., B.Sc.Agric. Lectr.

Van der Watt, J. J., B.Sc.Agric. Lectr.

*Pomology*

Professors

Reinecke, O. S. H., D.Sc.Agric. S.A., B.S.A. Tor.

Nel, R. I., D.Sc.Agric.

Black, M. W., D.Sc.Agric.

*Poultry Husbandry*

Liebenberg, C. R., M.Sc.Agric. Sr. Lectr.

*Veterinary Science*

de Villiers, O. T., D.V.Sc. S.A. Lectr. and Hd. of Dept.

*Viticulture*

Theron, C. J., M.Sc.Agric. Prof.

de Waal, C. T., M.Sc.Agric. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: H. P. Dekker, M.A. Accountant: T. G. D. van Schalkwyk, B.Comm. Asst. Librarian: F. du Plessis, B.A. Purchaser of requisites for Univ. Hostels: J. W. L. Bonthuys, B.Comm. Supervisor of Univ. Bldgs.: H. S. van Eeden.

## GENERAL INFORMATION

The Victoria College developed from the Stellenbosch Gymnasium, founded in 1866, in connexion with which the Facs. of Lit. and Philos., Maths., and Phys.—the so-called "Arts Dept."—were established in 1874. In 1881 the Arts Dept. was granted a charter and accorded its status and constitution as the "Stellenbosch College" by private Act of Parlt. In 1887 (the year of the Golden Jubilee) Her Majesty consented to the College's being named "The Victoria College of Stellenbosch." By the Univ. of Stellenbosch Act, No. 13 of 1916, the Coll. on April 2, 1918, was incorporated as the University of Stellenbosch, and in addition to fulfilling its previous functions is entitled to examine its own students and grant degrees.

The Fac. of Agric. aims at the promotion of agric. sci. and development of agric. in the Union. Particular attention is given to the training of future farmers. By Act No. 45 of 1926, the Elsenburg Sch. of Agric. and the Fac. of Agric. of the Univ. were amalgamated to constitute "The Stellenbosch-Elsenburg College of Agriculture of the University of Stellenbosch." In accordance with this Act, the Fac. of Agric. and For. "shall be for all purposes the Fac. of Agric. of the Univ. and shall have all such rights and privileges and be subject to all such duties as are laid down by the Univ. of Stellenbosch Act, No. 13 of 1916." By this amalgamation the Fac. of Agric. and For. is brought into more intimate touch with practical farming and matters relating thereto, so that its activities are more extensive than those of the original Fac. In close

connexion with the Univ. is the Western Province Fruit Res. Stn. of the Union Dept. of Agric., where there are facilities for postgrad. res. in all branches of fruit production and fruit and vegetable processing. Several of staff members of the Res. Stn. are members of teaching staff of the Univ. The Dept. of For. is attached to the Fac. of Agric.

Res. work forms an important part of the activities of this Univ. In Depts. of Educational Psychol., Psychol., Sociol., Geog., Hist., Agric., Bantu Langs., Ethnog., Afrikaans-Nederlands, Geol., Biol., Law and Econ., special attention is devoted to South African problems. Since 1923, the results of res. work have been published regularly in the *Annals* of the Univ. The Univ. Council also awards a special grant for carrying on scientific investigational work.

LANGUAGE OF INSTRUCTION. Instruction is conducted mainly through the medium of Afrikaans.

FACULTIES AND DEANS. *Agric. and For.*, Prof. C. J. Theron; *Arts and Philos.* (including depts. of Bantu Studies, Ethnol. and Soc. Studies), Prof. W. Kempen; *Commerce*, Prof. C. G. W. Schumann; *Education*, Prof. J. G. Meiring; *Engin.*, Prof. R. Truter; *Law*, Prof. W. M. R. Malherbe; *Sci.* (including dept. of Dom. Sci.), H. E. Brink; *Theol.*, Prof. J. J. Müller.

LIBRARIES. Christian Marais and Carnegie. 124,515 vols. and 1396 periodicals. The Univ. receives each yr. nearly 950 different annual and other publications.

LABORATORIES. Chemical Inst. (De Beers Bldg.) for biochem. scis.; Merensky Bldg. (phys.); Dom. Sci. Bldg.; Educn. Bldg.; Phys. Educn. Bldg.; Agric. Bldg.; Lab. and Workshop of Fac. of Engin.; Natural Scis. Bldg.

SPECIAL EQUIPMENT, COLLECTIONS, ETC. Dept. of Botany possesses Botanic Garden and 3 hothouses containing large collection of the peculiar xerophytic flora of S.A. Herbarium. Dept. of Agricultural Chem. has bldg. and equipment for manurial pot-experiments. Dept. of Bantu Studies is building up collection of specimens of native art and industry. Zool. and Geol. Museums. Vivarium. Pomol. Dept. and Western Province Res. Stn. for study of deciduous and other fruit trees. Viticulture Dept. for studies in wine and spirit production.

ADMISSION. *See* Appendix I.

DEGREE COURSES, ETC. 3 yrs.—B.A., B.A. in Social Work, B.Sc., B.Comm.; 4 yrs.—B.Mus., B.Sc. in Home Economics, B.Sc. in Agric., B.Sc. in Forestry, LL.B. (5 yrs. combined with B.A.); 5 yrs.—B.Sc.Eng.; 1 yr. postgraduate—M.A., M.A. in Social Work, M.Sc., M.Sc. in Home Econ., M.Sc. in Agric., M.Sc. in Forestry, M.Comm., M.Sc.Eng.; 3 yrs. postgraduate—M.Ed., B.D.; 2 yrs. after Master's degree—D.Phil., D.Litt., D.Sc., D.Ed., D.Ed.Ph., D.Sc. in Agric., D.Sc. in Forestry, D.Comm., D.Sc.Eng.; 2 yrs. after B.D.—D.D.; 2 yrs. after LL.B.—LL.D. Courses are also provided for the following diplomas: the Secondary Teachers' and Higher Primary Certificates; also for Certificates in Comm., Home Econ., Social Work, Teaching of Special Classes, Teaching of Music, Teaching of Speech Training and Dramatic Art.

FEES. Registration, £3 : 17 : 6 p.a. (incl. sports fee and fees payable to Students' Representative Council). Composite (including tuition, examn., laboratory, library and, in final year, graduation fees) average per semester: for Master's degree, £20; for Bachelor's degree, £24; for Doctorate, £12.

PHYSICAL TRAINING. Although phys. trg. is not compulsory the majority of the students participate, *i.e.* in rugby, cricket, tennis, baseball, netball, boxing, swimming and athletics.

HEALTH OF STUDENTS. Assistance of fully trained nurse at disposal of all students who may require her services. Periodical inspections to ascertain general health of all students in Univ. hostels.

SCHOLARSHIPS FOR GRADUATES. Abe Bailey, £450 p.a. for 2 yrs. tenable at Oxford or any other British Univ.; Queen Victoria Memorial (women only), £200 p.a. for 3 yrs.; Hiddingh, £266 : 13 : 4 p.a. for 3 yrs.; Ebden, £300 p.a. for 2 yrs.; Conservatorium of Music, £100 for 1 yr.; Croll Memorial, Donald Currie Memorial, George Grey Memorial, Porter, Queen Victoria and Union, each £300 p.a. for 2 yrs.; Maynard, £90 p.a. for 2 yrs.; Austin, £1000 p.a. for 1 yr.; Sir Henry Strakosch Memorial, £600 p.a. for 1 yr.; J. M. Hansen, £100 p.a. for 1 yr.

RESIDENCE. *For men*: John Murray-Huis (*Telephone*: 0019), accommodates 350, £97 p.a.; Wilgenhof (*Telephone*: 0032), 104, £88 p.a.; Helderberg (*Telephone*: 0045), 82, £96 p.a.; Huis Visser and Huis Marais (*Telephones*: 0046 and 0053), accommodate 245, £96 : 10s. p.a. *For women*: Huis de Villiers (*Telephone*: 0047), accommodates 127, £91 p.a.; Huis ten Bosch (*Telephone*: 0015), 116, £90 : 10s. p.a.; Huis van Niekerk (*Telephone*: 0027), 100, £91 p.a.; Harmonie (*Telephone*: 0041), 67, £89 : 10s. p.a.; Monica (*Telephone*: 0028), 75, £89 : 10s. p.a.; Lydia (*Telephone*: 1223), 154, £91 p.a.

PUBLICATIONS. *Calendar* (Annual, Pt. I, Nov., Pt. II, May); *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate).

## THE YEAR 1952

NEW BUILDINGS. Hostel for women students; addl. bldg. for Fac. of Agric. Under construction: new bldg. for Civ. Engin.; new bldg. for Food Technology.

NEW DEPARTMENTS AND POSTS. Three Sr. Lectrs. (replacing Lectrs.) in dept. of Civil Engin.; Sr. Lectr. (replacing Lectr.) in dept. of Electr. Tech. Engin.; Sr. Lectr. (replacing Lectr.) in dept. of Physics.

RESIGNATIONS. Prof. E. A. G. T. Friedlaender (German); Dr. L. C. v. Oudenhove (Physiol.); P. v. d. Merwe (Chem.); Miss F. J. Northcroft (Educn.); Prof. W. H. v. d. Merwe (Agric. Econ.); Mrs. M. Coetzee (Typewriting and Shorthand).

HONORARY DEGREES. *D.Ed.*—Rev. G. de V. de la Bat; *D.Mus.*—Mrs. M. v. d. L. Fismer.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 1499 |
| Women | .. | 686 |
| Total | .. | 2185 |

Postgraduate students, 170.
New admissions, 677.

Students from other countries, 28. (Countries from which largest numbers came: S. Rhodesia, 14; E. Africa, 5; Netherlands, 4; Belgium, 2.)

DEGREES. *Agriculture*: B.Sc. (Agric.), 45; B.Sc. (For.), 11; M.Sc.Agric., 5; *Arts*: B.A., 134, B.A. in Soc. Work, 26; B.Mus., 2; M.A., 13; M.A. in Soc. Work, 3; M.Mus., 1; D.Phil., 3; *Comm.*: B.Comm., 40; M.Comm., 3; *Educn.*: M.Ed., 11; M.Ed.Ph., 2; *Engin.*: B.Sc. Eng., 25; *Law*: LL.B., 12; *Sci.*: B.Sc., 47; B.Sc. Dom.Sc., 7; M.Sc., 12; D.Sc., 5; *Theol.*: B.D., 2.

DIPLOMAS. *Arts*: Dipl. in Soc. Work, 5; *Educn.*: Dipl. for Teachers of Spec. Classes, 7; Higher Prim. Teacher's Dipl., 26; Advanced Higher Prim. Teacher's Dipl., 12; Secondary Teacher's Dipl., 59; *Comm.*: Dipl. in Comm., 7; *Music*: Teacher's Dipl. in Music, 10; Prim. Teacher's Cert. (spec.) in Music, 2; *Speech Trg. and Dramatic Art*: Teacher's Dipl. in Speech Trg. and Dramatic Art (Afr.), 4; Primary Teacher's Cert. (spec.) in Speech Trg. and Dramatic Art (Afr.), 2; Primary Teacher's Cert. (spec.) in Speech Trg. and Dramatic Art (Eng.), 2; Spec. Teacher's Cert. in Speech Trg. and Dramatic Art (Afr.), 3; Spec. Teacher's Cert. in Speech Trg. and Dramatic Art (Eng.), 2; Final Cert. in Speech Trg. (Afr.), 3; Final Cert. in Speech Trg. (Eng.), 7; *Sci.*: Dipl. in Dom.Sc., 16; Dipl. in Dom.Sc. for Prim. Teachers, 2.

[*Information compiled as at* 29/6/53.]

# UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG *

Founded 1921

*Postal Address* : Milner Park, Johannesburg, Transvaal, South Africa.
*Telegrams* : University, Johannesburg.
*Telephone* : 44–3781.

CHANCELLOR—Hon. R. FEETHAM, C.M.G., M.A., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—W. G. SUTTON, B.A., B.Sc. (Eng.) Cape T.

CHAIRMAN OF COUNCIL—P. M. ANDERSON, D.Sc. (Eng.).

PRESIDENT OF CONVOCATION—W. E. MARSH, B.Com.

REGISTRAR—I. GLYN THOMAS, M.A. Oxon.

ACCOUNTANT—D. A. DODDS.

LIBRARIAN—.....

## 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.
Gilbert, Christine, D.Sc. Sr. Lectr.
Wright, M. K., M.Sc., M.B., B.Ch. Sr. Lectr.
Tobias, P., M.Sc., M.B., B.Ch. Sr. Lectr.
Arnold, M., M.B., B.Ch., F.R.C.S. Ed. Lectr.
Toerien, M. J., M.Sc. Stell. Lectr.
Webb, Pauline M., B.Sc., M.B., Ch.B. Cape T. Lectr.
Macgregor, A. L., M.B., Ch.M. Edin., F.R.C.S. Hon. Demr.
4 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 Surveying*

Fassler, J., B.Arch. Prof.
Howie, W. D., B.Arch. Sr. Lectr.

Lecturers

Shunn, J., B.Arch.
Herbert, G., B.Arch.
Tomaselli, U., B.Arch.
Morgenstern, J., B.Arch., Dip. T.P.

Part-time Lecturers

Castleton, J., F.R.I.C.S.

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

Milford, R. B., B.Sc. (Q.S.).
Pinfold, H. C. Temp. Lectr.

*Bantu Studies*

..... Prof.
Jeffreys, M. D. W., M.A. Oxon., Ph.D. Lond. (Social Anthropol.) Sr. Lectr.
Lewin, J., B.A., LL.B. Cape T. (Native Law and Admin.) Sr. Lectr.
Cole, D. T., B.A. Lectr.
Longmore, Laura, M.A. Cape T. Lectr.

Language Assistants

Mncube, F. S. M., M.A.
Nyembezi, L. C. C., M.A.
Mofokeng, S. M., M.A.

*Botany*

Badenhuizen, N. P., D.Sc. Amst. Prof.

Senior Lecturers

Gilliland, H. B., B.Sc. Edin., D.Sc., F.L.S.
Roux, E., Ph.D. Camb., M.Sc. (Plant Physiol.).

Lecturers

Hancock, Florence D., M.Sc.
Davidson, R. L., B.Sc., Ph.D.
Krupko, S., Ph.D. Warsaw.
1 Temp. Lectr., 1 Lab. Techn.

*Chemistry and Chem. Engineering*

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.

Senior Lecturers

Israelstam, S. S., M.Sc., Ph.D., F.R.I.C.
Hawke, F., M.Sc. (Eng.), Ph.D., F.R.I.C.
Murray, K. A., Ph.D. S.A., M.Sc., F.R.I.C.

Lecturers

Marais, J. L. C., M.Sc., Ph.D.
Schoeman, D. J., M.Sc. (Eng.).
Simpson, J. D., M.Sc., Ph.D.
James, G. S., O.B.E., B.Sc. Cape T., M.Sc.
Stephen, Theodora, M.Sc., Ph.D. Pt.-time Lectr.
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.
Naude, C. P. T., B.A. Oxon., M.A. Sr. Lectr.

Lecturers

Lagouros, A., B.A. Constantinople.
Thorpe, A., B.A. Oxon., M.A.

*Commerce and Applied Economics*

Richards, C. S., M.Com. Durh., D.Sc. Prof.
Wimble, B. J. S., F.S.A.A. (Accounting) Prof.
Laight, J. C., M.Com. S.A., F.C.I.S. Sr. Lectr.
Cairns, T., B.Com. Cape T. Sr. Lectr.
Taylor, I. R., B.L. Glas. Sr. Lectr.
Lomas, P. K., B.Com. Durh. Lectr.
van Waasdyk, T., Econ. Doctr. Rotterdam Research Asst.
6 Pt.-time Lectrs., 21 Tutors.

*Dentistry*, v. *infra*

*Economics and Econ. Hist.*

Lachmann, L. M., M.Sc. (Econ.) Lond., Dr. rer. Pol. Berl. Prof.
Samuels, L. H., B.Com. Sr. Lectr.
Welsh, Anne, B.A. Oxon. Lectr.
Wright, H. R. C., Ph.D. Camb. Lectr.

*Education*

Lighton, R. E., M.A. Pret. Hon. Prof.
MacMillan, R. G., M.A., B.Sc. S.A. Pt.-time Lectr.

Behr, A. L., B.Sc. Pret., B.A., M.Ed., D.Phil. S.A.
Pt.-time Lectr.

*Engineering*, v. *infra*

*English*

..... Prof.

Senior Lecturers

van Heyningen, Christina, B.A. Oxon., M.A. Stell.
Girling, H. K., B.A. Oxon.

Lecturers

Macauley, Sheila, M.A.
Philip, Thelma, M.A. Cape T.
Geffen, Zoe N., B.A., M.Litt. Camb.
Christie, Katharine J. H., B.A. Oxon., M.A. S.A.
Temp. Lectr.

*Fine Arts*

Martienssen, Heather, Ph.D. Lond., B.Arch., M.A.
Sr. Lectr.
Long, Marjorie K., B.A. (Fine Arts) S.A. Lectr.
5 Pt.-time Lectrs.

*French and Romance*

Valkhoff, M., D.Litt. et Phil. Amst. Prof.
Pagnucco, A., Dott. in Lett. U.C.S.C. Milan (Italian) Prof.
Burkheiser, Blanche, L. ès L. Paris, M.A. Bryn Mawr
Pt.-time 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.
van Biljon, W. J., M.Sc. Pret.
Plumstead, Edna P., M.Sc.
Pt.-time Lectr.
1 Lab. Asst.

*German*

Hesse, W. G., Dr.Phil. Bres.
Lectr.
Gimkey, S. F., M.Sc. (Eng.) (G. for Engineering Students)
Pt.-time Asst.

*Hebrew*

Rabinowitz, L. I., M.A., Ph.D. Lond. Pt.-time Prof.
Rappaport, S., Ph.D. Vienna
Lectr.

*History*

Marais, J. S., M.A. Cape T., B.A., D.Phil. Oxon. Prof.
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

Professors

Hahlo, H. R., Dr.Jur. Halle, LL.B.
Burchell, E. M., M.A. Camb., LL.B. S.A.
Scholtens, J. E., Dr.Jur. Amst.
Kahn, E., B.Com., LL.B.
Sr. Lectr.
5 Pt.-time Lectrs.

*Mathematics, Actuarial Science and Statistics*

Hyslop, J. M., M.A., D.Sc. Glas., B.A., Ph.D. Camb. Prof.

Senior Lecturers

Kerrich, J. E., M.Sc., Dip.Act. Math. Edin., F.R.A.S., F.S.S.
Young, F., M.A., Dip.Act.Math.
Welter, C. P., M.Sc.

Lecturers

Boyd, A. V., M.Sc.
Clarke, M. G., B.A.
Isaacs, G., M.Sc. Cape T., Ph.D. Lond.

Berg-Sonne, N., M.Sc. Copenhagen.
Harington, Catherine F., M.Sc.
Temporary Lecturer
Parker, J. M., B.A. Belf., Dip.Act. Maths.

*Mathematics, Applied*
Bleksley, A. E. H., M.Sc. Stell., D.Sc. Prof.
Oliver, H. O., M.Sc. Stell. Sr. Lectr.
Kuperman, I. B. Z., M.Sc. Cape T. Lectr.
van der Merwe, J. H., M.Sc. Stell. Lectr.

*Medicine*, v. *infra*

*Metallurgy*, v. Engineering, *infra*

*Mining Engineering and Surveying*, v. Engineering, *infra*

*Music and History of Music*
..... Prof.
Paff, W. P., Ph.D. Sr. Lectr.
11 Instrs. (Pt.-time).

*Philosophy*
Harris, E. E., M.A. S.A., B.Litt. Oxon., D.Litt. Prof.
Lecturer
Livingstone, D. S., M.A. Durh.

*Phonetics and Logopedics*
Pienaar, P. de V., Ph.D. Hamburg, M.A. Prof.
Breckwoldt, G. H., Ph.D. Hamburg Lectr.

*Physics*
Nabarro, F. R. N., M.B.E., M.A. Oxon., D.Sc. Birm. Prof.
Senior Lecturers
Cooper, M. A., M.Sc., Ph.D. S.A., F.I.P.
Wiles, G. G., M.Sc. S.A., D.Phil. Oxon.
Aarts, W. H., M.Sc. Cape T., Ph.D.
Logie, H. J., D.Sc.
Lecturers
Kushlick, I., M.Sc. Cape T.
Brommert, J. W., B.Sc.
Wilsdorf, Doris, Dr. rer. Nat. Gött.
Eagle, B. A., B.Sc. S.A., B.A. Camb.
1 Instrument Maker, 1 Sr. Demr., 1 Lab. Asst.

*Physiology*
Gillman, J., D.Sc., M.B., B.Ch. Otto Beit Prof.
Bernstein, R. E., M.Sc., M.B., B.Ch., D.C.P. Lond. Sr. Lectr.
Cohen, S., M.B., B.Ch. Sr. Lectr.
Levy, P., Ph.D. Oxon., M.Sc. Sr. Lectr.
Lecturers
Van Zyl, A., M.Sc. Stell.
Leibowitz, S., B.Sc., M.B., B.Ch.
Kaminer, B., M.B., B.Ch.
Festenstein, G. N., M.Sc. Rhodes, Ph.D. Liv.
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.
Van Zyl, A. E., M.A. Cape T. Lectr.
Lejeune, Yvonne, B.A. Pt.-time Lectr.

*Social Studies*
Wagner, O. J. M., M.A. Cape T., D.Phil. Stell. Prof.
Badenhorst, L. T., M.A. Stell. Sr. Lectr.
Muller, Ceciel, B.A. (Soc. Sc.) Stell. Lectr.
1 Hon. Lectr., 1 Supt. of Field Work.

*Zoology*
..... 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.
Nolte, D. J., M.Sc. Pret., Ph.D. Lectr.
Kalk, Margaret J., B.Sc. Lond. Lectr.
McKerrow, Muriel, Ph.D. Temp. Lectr.
1 Hon. Lectr., 1 Sr. Lab. Techn.

**Dentistry**

(for subjects of first 2 yrs.—Anat., etc.—and for other subjects common to D. and Medicine—*e.g.* Pathology—v. *supra et infra*)
Shaw, J. C. M., M.A., B.Dent.Sc. Dub., D.D.S., F.R.S.S.Af. Prof., also Lecturer in D. Anat., Physiol. and Histol.

*Children's D.*
Kotze, A. J., M.B., Ch.B. Edin., B.D.S. Lectr. and Clin. Lectr., Lectr. also in Dentistry for Medical Students.

*Clinical and Applied Oral Anatomy*
Stein, I., M.B., B.Ch., M.D.S. Hon. Lectr.

*Conservative Operative D.*
Shepherd, G. F., L.D.S. Liv. Pt.-time Prof.

*Dental Anæsthetics*
Bentel, H., M.B., B.Ch. Clin. Lectr.
Fisher, M., M.B., Ch.B. Liv., D.A. Clin. Lectr.

*D. Ethics and Jurisprudence*
Shaw, J. C. M., M.A., B.Dent.Sc. Dub., D.D.S., F.R.S.S.Af. Hon. Lectr.

*D. Histopathology*
Staz, J., D.D.S. Prof.

*D. Materia Medica*
Breyer, J. H., Tandarts Utrecht Pt.-time Prof.

*D. Mechanics*
Ryan, J., L.D.S. Glas. Lectr. and Demr.

*D. Metall. and Chem. of D. Materials*
Berry, T. B., B.Sc.Eng. Cape T. Lectr.

*D. Pathology*
Staz, J., D.D.S. Prof.

*D. Prosthetics*
Hossack, F. A., L.D.S. Glas. Pt.-time Prof.

*D. Radiology*
Abrams, M., L.D.S. Liv. Clin. Lectr.

*D. Surgery*
Staz, J., D.D.S. Prof.

*D. Therapeutics*
Breyer, J. H., Tandarts Utrecht Prof.

*Maxillo-Facial and Oral Surgery*
Brown, L. J., L.D.S. Lectr.

*Orthodontia*
Bëan, N., B.D.S. Lectr. and Clin. Lectr.

*Public D.*
Laing, Jean, L.D.S., D.P.D. St. And. Hon. Lectr.

Full-time Senior Clin. Lectrs.
Cohen, B., M.S.D. Northwestern, B.D.S.
Dodds, A. E., B.Sc., B.Ed. S.A., B.D.S.
Dreyer, C. J., B.Sc., B.D.S.

Full-time Clin. Lectrs.
Bird, A. L., B.D.S.
Williams, E. G., B.D.S.
31 Hon. Clin. Lectrs. in Operative, Conservative or Prosthetic Dentistry.
4 Dental Mechanicians.

## Engineering

(v. also Architecture, Chem. and Chemical Engin., *supra*)

*Civil Engineering*

..... Prof.
Ockleston, A. J., B.E. N.Z., Ph.D. Brist., D.Sc. (Eng.) (Structural Engin.) Prof.
Clarke, C. H., B.Sc., B.E. Syd. Sr. Lectr.

Lecturers

Ventress, R. G., B.Sc. (Eng.) Lond.
Hopkins, D., B.Sc. (Eng.) Cape T.
Mills, R. H., B.Sc. (Eng.).
1 Lab. Techn.

*Electrical Engineering*

Bozzoli, G. R., D.Sc. (Eng.) City Prof.

Senior Lecturers

Goldsmith, A., B.A. Cape, B.Sc. (Eng.).
Cormack, W., B.Sc. (Eng.) Cape T., D.Sc. (Eng.).

Lecturers

Webb, V. L., B.Sc. (Eng.).
Kitai, R., M.Sc. (Eng.).
Heymann, F. G., M.Sc. (Eng.).
Mayne, D. Q., B.Sc. (Eng.).
1 Sr. Lab. Techn.

*Mechanical Engineering*

..... De Beers Prof.

Senior Lecturers

Gimkey, S. F., M.Sc. (Eng.).
Jensen, A. E., B.Sc. Lond., M.Sc. (Eng.).

Lecturers

Drysdale, J.
de Beer, F. A. H., Dip.Ing. Hanover, Dr. rer. Pol. Berl.
Rallis, C. J., M.Sc. (Eng.).
Bunt, E. A., M.Sc. (Eng.).
Seawright, R. M. F., B.Sc. (Eng.) Hon. Lectr.
van der Merwe, G. J., B.Sc. (Eng.) S.A. Engineer in Charge of Workshops.

*Metallurgy*

Taverner, L., D.I.C. Prof.
Millin, D., B.A. Cape, F.R.I.C. Sr. Lectr.
Siff, A., M.A. Cape T. Lectr.
le Roux, D. B., B.Sc. (Eng.) Lectr.
1 Sr. Lab. Tech.

*Mining Engineering*

Jeppe, C. W. B., M.Sc. (Eng.), D.I.C. De Beers Prof.
Edwards, E. P., B.Sc. Lond. (Mining E.) Sr. Asst.

Senior Lecturer

Edwards, T., B.Sc. Lond.

*Surveying*

Lauf, G. B., D.Sc. (Eng.) Prof.
Freislich, J. G., B.Sc. (Eng.) Sr. Lectr.
Watt, I. B., B.Sc. (Eng.) Lectr.

## Medicine

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

*Anæsthetics*

Nicholson, J. C., M.B., Ch.B. Manc. Chief Anæsthetist.

Sr. Anæsthetists (Pt.-time)

Fisher, M., M.B., Ch.B., D.T.M., D.A. Liv.
Feldman, D., M.B., B.Ch.
Becker, C.
Hoffmann, S., M.B., B.Ch.
Hochschild, G.
Frost, C., M.B., B.Ch.
Segal, B., M.B., B.Ch.
Roberts, F., M.B., B.S. Lond.

Senior Anæsthetists

Devitt, D. C.
McWilliam-Smith, Miriam B., M.B., Ch.B. Cape T.

Anæsthetists

Duffield, J. R., M.B., B.Chir. Camb.
Vetten, Kathleen B., M.B., B.Ch., D.A.

Assistant Anæsthetists
Faberlan, H. A., M.B., B.Ch.
Kramer, M. S., M.B., B.Ch.
Fisher-Jeffes, D. L., M.B., B.Ch. Cape T., D.P.H., D.A.
Siff, I., M.B., B.Ch. Cape T.
Martienssen, Kathleen, M.B., B.Ch., D.A.
Silberman, S., M.B., B.Ch.
Wayburne, Hilde, M.B., B.Ch.
Widgerow, C., M.B., B.Ch., D.A.
10 Anæsthetic Registrars.

*Bacteriology and Parasitology*
Becker, B. J. P., M.D., B.Ch., D.P.H., D.T.M. & H.
Actg. Hd.

Senior Lecturer
Chatgidakis, C. B., M.B., B.Ch., D.P.H., D.T.M.

Lecturers
Siew, S., M.B., B.Ch.
Schapera, R., M.B., Ch.B. Cape T.
1 Lab. Techn.

*Diseases of Children*
Heymann, S. C., M.B., B.Ch.
Chief Pædiatrician (Pt.-time).
Strawbaun, A. E.
Sr. Pædiatrician (Pt.-time).
Kahn, E., M.B., B.Ch.
Sr. Pædiatrician.

Assistant Pædiatricians (Pt.-time)
Javett, S., M.D., B.Ch.
Theron, J. J., M.D., B.Ch.
Parnell, J. L., M.B., B.Ch.

Assistant Pædiatricians
Falcke, H. C., M.B., B.Ch.
Felman, N., B.Sc., M.B., B.Ch.
Kessel, I., M.B., B.Ch.

First Pædiatric Assts. (Pt.-time)
Kuschlick, P., M.B., Ch.B. Cape T.
Marks, G., M.B., B.Ch.
4 Second Pædiatric Assts. (Pt.-time), 6 Pædiatric Registrars.

*Diseases of Children, Surgical*
Almond, R. L., M.B., B.S. Melb., F.R.C.S.
Sr. Surgeon (Pt.-time).
Lannon, J., M.B., B.Ch., F.R.C.S.
Asst. Surgeon (Pt.-time).
Kark, W., M.B., B.Ch., F.R.C.S. Ed.
First Surgical Asst. (Pt.-time).
Walker, D. H., M.B., B.Ch., F.R.F.P.S.Glas.
Surgical Registrar.

*Diseases of the Skin*
Gluckman, I.
Chief Dermatologist (Pt.-time).
Rose, M. Dermatologist.
Evans, H.
Asst. Dermatologist (Pt.-time).

First Asst. Dermatologists (Pt.-time)
Loewenthal, L. J. A., M.D., Ch.B., D.T.M., D.T.H. Liv.
Robins, A.
3 Second Asst. Dermatologists (Pt.-time).

*Dispensary Practice*
Cormack, M.A., M.B., B.Ch.
Tutor.

*Ear, Nose and Throat, Dis. of*
Klugman, D. H., F.R.C.S.Ed.
Chief Aural Surgeon (Pt.-time).

Sr. Aural Surgeons (Pt.-time)
Fox, G. M.
Kerr, W. A.
Popper, O., M.B., Ch.B., F.R.C.S. Ed.

Asst. Aural Surgeons (Pt.-time)
Bernstein, B. T., M.B., B.Ch., F.R.C.S.Ed.
Jackson, M., F.R.C.S.Ed.

Asst. Aural Surgeon
Aronson, C., M.B., B.Ch.

First Aural Asst. (Pt.-time)
Raymond-Jones, T.
3 Second Aural Assts. (Pt.-time), 1 Aural Registrar (Pt.-time).

*Eye, Diseases of the*
Franks, M., M.B., B.Ch. Chief Ophthalmologist (Pt.-time).

Sr. Ophthalmologists (Pt.-time)
Marais, I., M.B., B.Ch. Dub.
Staz, L., M.B., B.Ch. Dub.
Kaye, H., F.R.C.S.Ed.

Asst. Ophthalmologists (Pt.-time)
Handelsman, G.
Friedmann, A. I., M.B., B.Ch.

First Ophthalmological Asst. (Pt.-time)
Etzine, S., M.B., B.Ch.
3 Second Ophthalmological Assts. (Pt.-time), 3 Ophthalmic Registrars.

*Forensic Medicine*
Mackintosh, R. H. Hon. Prof.
Friedman, J., M.B., B.Ch., D.P.H. Pt.-time Sr. Lectr.

Part-time Lecturers
Krausey, B., M.B., Ch.B. Cape T.
Kemp, V. D., M.B., B.Ch.

*Hospital Administration and Conduct*
Mills, K. F. T., M.B., B.Chir. Camb., D.P.H. Lectr.

*Infectious Diseases, Acute*
Bayer, P., M.D., Ch.B. Aberd. Sr. Lectr. and Clin. Lectr.

*Medical Practice, Conduct of*
Meiring, J. de Vos, M.B., Ch.B. Edin. Lectr.

*Medicine*
Elliott, G. A., O.B.E., M.D. Cape T., F.R.C.P. Prof. and Chief Physician.
Gear, J. H., B.Sc., M.B., B.Ch., D.T.M. & H. Sr. Professional Asst.

Sr. Physicians (Pt.-time)
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.
Grieve, S., M.B., B.Ch.

Asst. Physicians (Tutorial)
McGregor, M., M.D., B.Ch.
Ordman, B., B.A. S.A., M.B., Ch.B. Liv., M.D.

Asst. Physicians (Pt.-time)
Agranat, A. L., M.D., B.Ch. Dub., D.T.M. & H.
Bell, J. A., M.D., Ch.B. Glas., F.R.F.P.S.Glas.
Menof, P., M.B., B.Ch.
Reid, F. P., M.B., Ch.B. Edin.

Asst. Physicians
Grusin, H., M.B., B.Ch.
Hirschowitz, L., M.D., B.Ch.
Sluiscremer, G. K., M.D., B.Ch.
Saner, R. G., M.D., B.Ch.

First Medical Assts. (Pt.-time)
Bayer, P., M.D., Ch.B. Aberd.
Posel, M. M., M.D.
Rabinowitz, A., M.D.
Schneider, T., M.B., B.Ch.
10 Second Medical Assts. (Pt.-time), 4 Temp. Med. Registrars (Tutorial), 12 Med. Registrars.

Assistant Medical Officer

Meyer, Sylvia F., M.B., B.Ch., D.P.H.

*Medicine, Physical*

Haden, H. L., M.B., B.Ch., D.Phys.Med.
Chief Specialist (Pt.-time).

Sr. Specialists (Pt.-time)

Adler, C., M.B., B.Ch., D.Phys. Med.

Lomey, A. L., M.D., Ch.B., D.Phys.Med.

Robins - Browne, R., M.D. Lausanne, D.Phys.Med.

Asst. Specialist (Pt.-time)

Hoffman, S. J., D.Phys.Med.

Asst. in Physical Med. (Tutorial)

Dreyer, Tilly, B.Sc., M.B., B.Ch., D.Phys.Med.

First Asst. in Physical Med. (Pt.-time)

Klass, N. S., M.B., B.Ch. Dub., D.Phys.Med.

*Neurology*

Geerling, R., Arts Holland, M.D. Amst. Chief Neurologist.

Sr. Neurologists (Pt.-time)

Katz, S. M., M.D., Ch.B. Liv.

Neurologist

van Hoepen, H. E., Arts Holland, M.D. Pret.

Asst. Neurologists (Pt.-time)

du Toit, F. F., M.B., Ch.B. Edin.

Peskin, M., M.D., B.Ch.

Watt, A. C., M.B., Ch.B.

5 Neurol. Registrars.

*Nursing Education*

Pietersen, Johanna V., M.B., Ch.B. Edin., D.P.H.
Hd. of Sub-Dept.

Teaching in this sub-dept. is also contributed to by staffs of depts. of Anat., Bacteriol., Chemistry, Clin. Pathol., Educn., Obstet. and Gynæcol., Pharmacol., Physiol., Physiotherapy, Psychol., and Surg. and by teaching staffs of Johannesburg General Hospl. and Nursing Coll.

*Obstetrics and Gynæcology*

Heyns, O. S., M.A., B.Sc. Cape T., D.Sc., F.R.C.O.G.
Prof. and Chief Obstetrician and Gynæcologist.

van Dongen, L. G. R., M.Sc., M.D., B.Ch.
Sr. Obstetrician and Gynæcologist.

Sr. Obstetricians and Gynæcologists (Pt.-time)

Boyd, A., F.R.C.S.Ed.

Krige, C. F., M.A., B.M., B.Ch. Oxon., F.R.C.S.Ed.

Schabort, J. W., M.D., B.S. Lond.

Daubenton, F., B.Sc., M.B., B.Ch.
Sr. Professional Asst.

Obstetrician and Gynæcologist (Tutorial)

Shippel, S., M.B., B.Ch.

Obstetrician and Gynæcologist

Lavery, D. W. P., M.D., B.Ch.

Asst. Obstetricians and Gynæcologists (Pt.-time)

Broido, A.

Peltz, P., F.R.C.S.Ed.

Asst. Obstetrician and Gynæcologist

.....

First Obstetrical and Gynæcological Assts. (Pt.-time)

Cohen, S. J., M.B., B.Ch., F.R.C.S.Ed.

Culiner, A., M.D. Tor., F.A.C.S.

de la Hunt, N. E. C., M.B.E., M.B., B.Ch.

3 Second Obstetrical and Gynæcological Assts. (Pt.-time).

Registrar in Obstet. and Gynæcol. (Tutorial)
Neser, F. N., M.B., B.Ch.
6 Registrars in Obstet. and Gynæcol.

Tutor in Clin. Obstet.
Evans, W. B., B.Sc., M.B., B.Ch.
1 Sr. Lab. Technician.

*Occupational Therapy*
Haden, H., M.B., B.Ch. Hd. of Sub-Dept.
Cynkin, Simme Pt.-time 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 (Pt.-time) and Nuffield Lectr.

Orthopædic Surgeons
Craig, J. J., M.B., B.Ch.
Morris, C., M.B., Ch.B. Cape T.
Allen, A. L., M.B., B.Ch. Orthop. Surgeon (Pt.-time).

Asst. Orthopædic Surgeons (Pt.-time)
du Toit, G. T., F.R.C.S.
Moller, C. T., M.B., B.Ch., F.R.C.S. Eng. and Ed.

Asst. Orthopædic Surgeon
Smit, A. D., M.B., Ch.B. Edin.

First Orthopædic Asst. (Pt.-time)
Sacks, S., M.B., Ch.B. Cape T., F.R.C.S.Ed.
5 Orthopædic Registrars.

*Pathology*, v. Bacteriol. and Parasitol., *supra*

*Pathology, Clinical*
Stein, H. B., M.Sc., M.B., B.Ch., D.P.H. Actg. Hd.
Ellis, B. C., M.B., B.Ch. Lectr.
Barkhan, 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. Temp. Sr. Lectr.

*Physiotherapy*
Lecturers
Haden, H., M.B., B.Ch. Hd. of Sub-Dept.
Blair, Jean.
Wilson, Gwendoline.
Baines, Hazel.

Teaching in this dept. is also contributed to by staffs of Depts. of Phys., Chem., Zool., Anat., Physiol., Surg., and Gynæcol. and Obstet.

*Preventive Medicine*
Cluver, E. H., M.A., M.D., B.Ch. Oxon., D.P.H. Lond., F.R.San.I. Prof.
Pietersen, Johanna V., M.B., Ch.B. Edin., D.P.H. Sr. Lectr.

Lecturers
Scott-Millar, J. W., M.B., Ch.B., D.P.H. Cape T., D.T.M. & H. (Urban Health Admin.).
Booker, C. G., M.B., Ch.B. Edin., M.D., D.T.M., D.T.H. Liv., D.P.H. (Health Legislation).
Ordman, D., B.A., M.B., Ch.B. Cape T., D.P.H. (Immunol.).
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).

*Psychiatry and Mental Hygiene*
..... Pt.-time Prof.

Pienaar, B. P., M.B., B.Ch. Dub. Clin. Lectr.
Minde, M., M.B., Ch.B. Aberd. Clin. Lectr.
Chesler, B., M.B., B.Ch., D.P.M. Clin. Lectr.
Morgan, P., M.B., B.Ch. 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.
Minde, M., M.B., Ch.B. Cape T. Clin. Demr.

*Radiology*

Kaye, J., D.M.R. Cape T. Chief Radiologist.

Sr. Radiologists

Jackson, H., D.M.R. Cape T.
Findlay, M., D.R. Edin.
Komins, C., M.B., B.Ch., D.M.R. Cape T.

Sr. Radiotherapist

Shapiro, M. P., D.M.R. Lond., F.R.C.S.Ed.

Radiologists

Davenport, Margaret E., M.B., B.Ch., D.M.R. Cape T.
Gunn, K. V. O., M.B., B.Ch., D.M.R. Cape T.
Meyer, M. J., M.B., B.Ch., D.M.R. Lond.
Sariff, S. J., M.B., Ch.B. Cape T.
Strasburg, I., M.B., B.Ch. Dub., D.M.R. Cape T.
Zinober, M., D.M.R. Cape T.

Asst. Radiologist

Cohen, L., M.B., B.Ch.

*Surgery*

Underwood, W. E., O.B.E., M.A., M.B., B.Chir. Camb., F.R.C.S. Prof. and Chief Surgeon.
Theron, P., M.B., Ch.M. Aberd., F.R.C.S.Ed. Sr. Professional Asst.

Sr. Surgeons (Pt.-time)

Douglas, J. 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.

Surgeons (Tutorial)

Thompson, D. H., M.B., Ch.B. Birm., F.R.C.S.
Frylinck, J. R., M.B., Ch.M. Cape T., F.R.C.S. Eng. and Ed.

Surgeons

Brawn, E. S., F.R.C.S.Ed.
Lewin, B., M.B., Ch.B. Cape T., F.R.C.S.
Kay, S., M.B., Ch.B. Cape T.
Keen, P., M.D. Lausanne.
Kleinot, S., M.B., Ch.B. St. And., F.R.C.S.Ed.
Skapinker, S., M.B., B.Ch., F.R.C.S.Ed.

Asst. Surgeon (Tutorial)

Allen, J. C., M.B., Ch.M.

Asst. Surgeons (Pt.-time)

Dreosti, A. E., M.B., Ch.B. Cape T., F.R.C.S.
Trubshaw, W. H. D., F.R.C.S.
Wolfowitz, J., M.B., B.Ch., F.R.C.S.Ed.

Asst. Surgeons

Marchand, P. E., M.B., B.Ch., F.R.C.S.
Stein, L., B.Sc., M.B., B.Ch., F.R.C.S.
Tanne, D., M.B., B.Ch.

First Surgical Assts. (Pt.-time)

Fleming, R. J., M.B., B.Ch., F.R.C.S.Ed.
Trehair, E. B., M.B., B.Ch., F.R.C.S.
3 Second Surgical Assts. (Pt.-time).

Surgical Registrars (Tutorial)

Bateman, A., M.B., Ch.B. Cape T., F.R.C.S.

Southgate, I. G. P., M.B., B.Ch., F.R.C.S.Ed.
Wilkinson, A. E., M.B., B.Ch.
12 Surgical Registrars.
Asst. Surgical Officer
.....

*Thoracic Surgery*

Fatti, L., M.B., B.S. Lond., F.R.C.S.
Sr. Thoracic Surgeon (Pt.-time).
Adler, D. I., M.B., Ch.B. Cape T., F.R.C.S.Ed.
Asst. Thoracic Surgeon (Pt.-time).

*Tropical Medicine*

Gear, J. H. S., B.Sc., M.B., B.Ch., D.P.H., D.T.M. & H., Dipl. Bact. Lond. Sr. Lectr.

*Urology*

Brayshaw, H. C., M.B., Ch.B. Edin., F.R.C.S. Eng. and Ed.
Chief Urologist (Pt.-time).
Kisner, C. D., M.B., B.Ch.
Urologist.
Hoffman, S. J., M.B., B.Ch., F.R.C.S.Ed.
Asst. Urologist (Pt.-time).
Widrich, E., M.D. Vienna
First Urological Asst. (Pt.-time).
Second Urological Assts. (Pt.-time)
Lipworth, E., M.B., B.Ch., F.R.C.S. Ed.
Rogoff, I. V., M.B., Ch.B. Cape T., F.R.C.S.Ed.

*Vascular Diseases*

Second Medical Assts. (Pt.-time)
Greenstein, J., M.D. Edin.
Kaplan, I., M.B., Ch.B. Edin.

*Venereal Diseases*

Sieff, B., M.B., B.Ch.
Sr. Clin. Lectr. (Pt.-time).
Asst. Clin. Lectrs. (Pt.-time)
Frootko, J. J. H., M.D. Berl.
Robins, A.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: A. de V. Herholdt, B.Com. Asst. Accountants: F. H. Burnett, H. E. Smith. Maintenance Architect: R. K. L. Moore, B.Arch. Public Relations Officer: K. Andrew.

LIBRARY. Librarian: .....; Deputy Librarian: Elizabeth Hartmann, B.A., F.L.A.; Asst. Librarians: Mavis E. G. Anderson, B.A. Brist., Lond. Sch. of Lib.Dip., F.L.A., in charge of Cataloguing and Classification; I. Isaacson, B.A., F.S.A.L.A., in charge of Periodicals, Official Publications and Binding; Agnes C. Dick, B.Sc. S.A., F.S.A.L.A., in charge of Med. Library.

## GENERAL INFORMATION

The University of the Witwatersrand, Johannesburg, has developed out of the South African School of Mines, which was established at Kimberley in 1896 and was transferred to Johannesburg in 1904, taking then the name of Transvaal Technical Institute and becoming later the Transvaal University College (1906), the South African School of Mines and Technology (1910), and the University College, Johannesburg (1920). In 1921 University College, Johannesburg, was reincorporated as the University of the Witwatersrand, Johannesburg, with effect from March 1, 1922. This development was made possible partly by support from the public, including contributions by the Chamber of Mines (£50,000), Standard Bank of S.A., Nat. Bank of S.A., Central Mining and Investment Corporation, and De Beers Consolidated Mines, Ltd.

(£10,000 each), Sir Otto Beit (£8000), and many others, amounting in all, up to the end of 1922, to over £220,000. The Municipality provided a fine site (100 acres) at Milner Park, a mile from the centre of the town. Expenditure on buildings totals £1,694,750. LIBRARIES: Central (nearly 250,000 vols.; receives 3000 current periodicals) and several departmental. MUSEUMS: Several departmental.

LANGUAGE OF INSTRUCTION. English.

ASSOCIATED INSTITUTIONS. There are several hospitals as well as the South African Institute for Medical Research in which students of Med. carry out a part of their curriculum.

FACULTIES AND DEANS. *Architecture*, Prof. J. Fassler; *Arts*, Prof. J. M. Hyslop; *Commerce*, Prof. C. S. Richards; *Dentistry*, Prof. J. C. M. Shaw; *Engineering*, G. R. Bozzoli; *Law*, Prof. H. R. Hahlo; *Medicine*, Prof. W. E. Underwood; *Science*, Prof. J. H. Wellington.

ADMISSION. *See* Appendix I.

DEGREES. B.A., B.Sc. or B.Mus., 3 yrs., Hons. 4 yrs.; B.A. in Logopedics, B.A. in Fine Arts or B.A. in Social Studies, 4 yrs.; M.A. or M.Sc., 1 yr. after Hons. and Thesis; M.Ed., Thesis; B.Com., 3 yrs.; B.Com. Hons., 4 yrs.; M.Com., Examn. and Thesis; B.Sc. (Eng.), 4 yrs.; M.Sc. (Eng.), Thesis; B.Sc. Q.S., 5 yrs.; B.Arch., 5 yrs.; M.Arch., Thesis; LL.B., 3 yrs. (postgrad.); LL.M. Thesis; B.Sc. Physiotherapy, 4 yrs.; M.B., B.Ch., 6 yrs.; B.D.S., 5 yrs.; Ph.D., Thesis (4 yrs.*); M.D., D.D.S., Thesis and, if required, examn. (3 yrs.*); Ch.M., Thesis and examn. (3 yrs.*); D.Sc. (Econ.), D.Arch., Thesis and, if required, examn. (6 yrs.*); LL.D., Thesis and, if required, examn. (7 yrs.*); D.Litt., D.Sc., D.Sc. (Eng.), original published work (6 yrs.*).

DIPLOMAS. Native Affairs, 2 yrs. pt.-time; Clin. Pathol., 1 yr.; Anæsth., 2 yrs.; Forensic Med., 1 yr.; Pub. Health, 1 yr.; Trop. Med. & Hyg., 6 mos.; Psychol. Med., 2 yrs.; Ophth. Med. & Surg., 1 yr.; Phys. Med., 1 yr.; Nursing, 1 yr.; Midwifery, 1 yr.; Soc. Nursing, 1 yr.; Nursing Admin., 1 yr.; Occupational Therap., 3½ yrs.; Child Health, 1 yr.; Med. Radiol., 3 yrs.; Radiol. Diag., 3 yrs.; Radiotherap., 3 yrs.; Actuarial Maths., 3 yrs. (in abeyance); Econ. of Local Govt. & Admin., 2 yrs. pt.-time; Certif. in Theory of Accty., 4 yrs. pt.-time; Archit., 5 yrs.; Quantity Surveying, 4 yrs.; Town Planning, 3 yrs. pt.-time.

COURSES for Teachers' Certificates; Law Certif.; Civil Service Law Examn.; Land Surveying.

FEES. B.A., £186; B.Mus., £252; B.A., Soc. Studies, B.A. Logopedics, B.A. Fine Arts, £330; B.A. Hons. or B.Sc. Hons., £40 for 1st yr. and £5 for every yr. or pt.-yr. thereafter; B.Sc., £252; M.B., B.Ch., £486; B.Sc. Physiotherap., £330; Dip. Occ. Therap., £196; B.Sc. (Eng.), £330; B.Com., £186; Certif. in Theory of Accty., £25 p.a.; LL.B., £168; B.Arch., £330; Dip.Arch., £264; B.Sc. (Q.S.), £294; Dip.Q.S., £182; B.D.S., £408.

SCHOLARSHIPS FOR GRADUATES. Chamber of Mines, 2 scholps. of £600 each 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

* After first degree.

voor Zuid-Afrikaansche Studenten, 2 of £150 p.a.; The Automobile Association of South Africa, £250 p.a.; Sir Herbert Baker, £300; Rhodes, £500 p.a.; Elsie Ballot, £400 p.a.; Royal Commission for the Exhibition of 1851, £350 p.a. for 2 yrs.; Cecil John Adams Memorial Trust for Research Scholarships for Medical Graduates (endowment of £25,000); Red Cross Caledonian Market postgraduate scholarship for African (Bantu) graduates in Medicine (endowment of £5000). African Explosives and Chemical Industries Ltd., £200 p.a. for 2 yrs.; Chamber of Mines, £500 for 1 yr.; Victor Kark, for research in Anat. (endowment of £1000); James McBride Grant, for res. in Commerce and Appl. Econ. (endowment of £5000); Melanie Pollak, for research or advanced study in Music, £240 p.a. for 1 yr. or more; Rusterholz (Rotary Club of Johannesburg), £50 for 1 yr.; Brush Travelling, in Engin., £260 p.a. for 2 yrs.; G. A. Denny, in Social Relations, £250 p.a. for 2 yrs.; F.B.I., in Engin., £650 for 2 yrs.; Toni Saphra, for women, £250 p.a. for 1 yr. or more; William Smith Thomas Memorial in Engin. (endowment of £2000).

RESIDENCE. College House and Dalrymple House, Milner Park; 150 men students; fee: £125 p.a. University Residence, Cottesloe, Auckland Park; 350 men students; fee: £115 p.a. Isabel Dalrymple House, Milner Park; 120 women students; fee: £125 p.a. Douglas Smit House, Milner Park; 30 African med. students; fee: £74 p.a.

UNIVERSITY EXTENSION. Public lectures under auspices of Univ. depts., students' societies and Students' Visiting Lectrs. Trust Fund. Pt.-time curricula for B.Com. (4 yrs.) and LL.B. (3 yrs. after 1st degree).

PUBLICATIONS. *Calendar* (annual), 5s.; *Gazette* (twice a term), free; *African Studies* (quarterly), 17s. 6d. p.a.; *S.A. Journal of Medical Sciences* (quarterly), 21s. p.a.

## THE YEAR 1952

SUBSTANTIAL BENEFACTIONS. The Bernard Price Inst. for Geophys. Res. received $102,000 from the Carnegie Corporation of N.Y. and a grant of £13,500 from the Nuffield Trust. Grants and donations totalled £62,295 (£16,933 for general purposes, £21,634 for bursaries and scholps., and £23,728 for other specific purposes); res. grants to members of staff by S.A. Council for Scientific and Industrial Res., £7512, and by S.A. Nat. Council for Soc. Res., £1574.

NEW BUILDINGS. New Oral and Dental Hosp. bldg. on grounds at Milner Park completed. Work commenced on extension of Women's Residence. Additional accomm. provided for Univ. Speech, Voice and Hearing Clinic.

NEW DEPARTMENTS AND POSTS. Out of funds donated by de Beers and associated interests, Visiting Professorship of Portuguese Studies created. Dept. of Surveying established, and Chair of Structural Engin. in Dept. of Civil Engin.

CHANGES IN REGULATIONS. Regulations for higher degrees in Arts, Med. and Comm. amended. Regulations for Dipl. in Law and Dipl. in Law (Public Service) approved. An Amendment Act to the University Act passed by the Union Parliament.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. E. Simon, Hebrew Univ. of Jerusalem; Prof. S. H. Frankel, Oxon.; Prof. L. E. J. Bouwer, Univ. of Amsterdam; E. T. Williams, Rhodes House, Oxon.; Prof. N. B. L. Pevsner, Camb.; Prof. A. H. Cottrell, Birm.; Prof. F. W. Paish, L.S.E.

RETIREMENTS. Prof. P. R. Kirby (Music), Prof. W. J. Walker (Mech. Engin.).

RESIGNATION. Prof. D. J. O'Connor (Philos.), apptd. to staff of U.C. of North Staffs.

HONORARY DEGREES CONFERRED. *LL.D.*—Dr. L. I. B. Braun, President of Federal Council, Med. Assoc. of S.A., 1952–53; Dr. C. G. Botha, retired Chief Archivist of Union; Dr. K. Bremer, Minister of Health and Social Welfare; Dr. H. J. van Eck, Chairman of Soc. and Econ. Planning Council and of Industrial Development Corp.; Dr. H. A. Moffatt, doyen of med. profession in S.A.; Dr. A. W. S. Sichel, Chairman of Federal Council of Med. Assoc. of S.A. *D.Litt.*—Prof. C. G. N. de Vooys, Prof. of Dutch Lang. and Lit. in Univ. of Utrecht; Prof. J. D. du Toit, Afrikaans poet and theologian; Prof. D. F. Malherbe, writer and Prof. of Afrikaans, O.F.S.; Prof. E. H. Walker, historian of S.A.; Mrs. Sarah G. Millin, S.A., authoress; *M.A.*—Mrs. Helen McKay, historiographer and hon. curator of Gubbins Library of Africana.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 918 | 2665 |
| Women | 42 | 742 |
| Total | 960 | 3407 |

Postgraduate students, 435.

New admissions, 1430.

Students from other countries, 128. (Countries from which largest numbers came: Rhodesia, 84; Mozambique, 16; East Africa, 11; Belgian Congo, 5.)

DEGREES AWARDED. *Arts*: Ph.D., 2; M.A., 5; B.A. Hons., 15; B.A., 101; B.A. Logopedics, 10; B.A. Social Studies, 5; B.Mus. Hons., 3; B.Mus., 7; B.A. Fine Arts, 5. *Sci.*: Ph.D., 2; M.Sc., 4; B.Sc. Hons., 12; B.Sc., 52. *Med.*: M.D., 4; Ch.M., 1; M.B., B.Ch., 178; B.Sc. Physiotherapy, 11. *Engin.*: D.Sc. (Eng.), 1; Ph.D., 4; M.Sc. (Eng.), 3; B.Sc. (Eng.), 132. *Comm.*: B.Com. Hons., 1; B.Com., 40. *Law*: LL.B., 16. *Dent.*: B.D.S., 14. *Archit.*: M.Arch., 1; B.Arch., 28; B.Sc. (Quantity Surveying), 2. *Total number of first degrees awarded*, 585.

DIPLOMAS AND CERTIFICATES AWARDED. *Postgraduate*: Anæsthetics, 4; Psychol. Med., 5; Public Health, 3; Trop. Med. and Hyg., 4. *Other*: Archit., 9; Midwifery, 1; Nursing, 1; Occupational Therapy, 5; Theory of Accountancy, 46; Quantity Surveying, 7.

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[*Revised June* 1953.]

# THE UNIVERSITIES OF INDIA

[Contributed by Samuel Mathai, M.A. Oxon., Secretary of the Inter-University Board of India.]

THE Universities of India are not descended from ancient seats of learning like Nalanda and Taxila, but are a result of the "British connection." The unsettled conditions of the country in the 18th century had brought education to a low ebb; and when the East India Company became rulers of the country they were confronted with the task not only of restoring political order but also of setting up an educational system suited to the needs of the day. When the problem of education was taken up by the Company there were two schools of thought: one held that the education of India must consist in the main of Oriental classics and Eastern learning; the other argued that the best thing for Indians was to learn the English language and acquire a knowledge of Western literature and science. The "Anglicists" triumphed over the "Orientalists": the Company decided to set apart money for "English" education in India. Meanwhile English schools and colleges had already been established in the "Presidency towns" of Calcutta, Bombay and Madras at the beginning of the 19th century by British missionaries and others, and leading Indians had expressed themselves in favour of English education.

The first proposal for founding a University in India was made by the Council of Education in Bengal in 1845, but was not accepted by the Board of Directors of the East India Company, who thought it somewhat premature. But during the parliamentary enquiry into the condition of India which preceded the renewal of the Company's charter in 1853 the need to create a properly articulated system of education from the Primary School to the University stage was recognized. As a result of this, the foundations of University education were laid in the country by the establishment of the Universities of Calcutta, Bombay and Madras in 1857. The model for these Universities was London University which was then a new institution. London at that time was a purely examining body, admitting to its tests only students trained in affiliated institutions. As the Calcutta University Commission of 1917–19 pointed out, this system of affiliation of collegiate institutions by a University which confined itself to examining the candidates sent up by these institutions "had the advantage of costing very little. It enabled all the existing collegiate institutions, whether Government or missionary, to be worked into the same scheme, and promised to provide a quite impartial mode of testing the qualifications of students for Government service. Above all, it gave freedom to the non-Government Colleges—all, at that date, mission colleges—to carry on their work in their own way, and offered them help from public funds for the secular side of their work."

For twenty-five years the three Universities of Calcutta, Bombay and Madras were found adequate to the tasks entrusted to them. But during this time, with the establishment of new colleges in various towns, the territorial jurisdiction of these Universities increased greatly. The jurisdiction of the University of Calcutta extended at one stage from the Panjab to Burma, covering the whole of North India. The creation of the Universities of the Panjab (now in Pakistan) and of Allahabad in 1882 and 1887 relieved Calcutta University of some of its responsibilities.

For nearly thirty years more no addition was made to the number of Universities in India. But important reforms in the constitution and functions of the existing Universities were recommended by the Act of 1904, which was based on the report of a Universities Commission appointed by Lord Curzon, then Governor-General of India. This Act empowered the Universities to appoint professors and lecturers of their own, to set up museums, libraries, and laboratories, and to undertake teaching. As a result of this Act some of the Universities set up University colleges and made arrangements for postgraduate teaching at the University—although by far the greater part of the teaching continued to be done by the affiliated colleges.

In 1913 the Government of India issued a Resolution drawing attention both to the need for more Universities and for a better type of University education. " At present," the Resolution observed, " there are only five Indian Universities for 185 arts and professional colleges in British India besides several institutions in Native States. The day is probably far distant when India will be able to dispense altogether with the affiliating Universities. But it is necessary to restrict the area over which affiliating Universities have control, by securing, in the first instance, a separate University for each of the leading provinces in India, and, secondly, to create new local teaching and residential Universities within each of the provinces in harmony with the best modern opinion as to the right road to educational efficiency."

This Resolution led to the birth of a number of new Universities in the first quarter of the 20th century. Yet another influence on University educational policy in India was the Report of the Calcutta University Commission under the chairmanship of Sir Michael Sadler, which deliberated from 1917 to 1919. In addition to supporting the move towards unitary, residential, teaching Universities, the Commission recommended that Universities should be relieved of their Intermediate * work so that they might concentrate on real undergraduate and postgraduate work. Although Calcutta University itself did not put into effect most of the recommendations of the Sadler Commission, those recommendations greatly influenced the growth of University education in other parts of India. Not only have a number of unitary Universities been established, but new affiliating Universities have been created to relieve older Universities of part of their territorial jurisdiction or to enable them to become unitary Universities.

In 1948, the Government of India appointed a University Education Commission " to report on Indian University Education and suggest

* *See* COURSES, p. 1164.

improvements and extensions that may be desirable to suit present and future requirements of the country." The Commission's report was published in 1949.

There are to-day 29 Universities in India. They are, in the order of their foundation: Calcutta, 1857; Bombay, 1857; Madras, 1857; Allahabad, 1887; Banaras Hindu, 1916; Mysore, 1916; Patna, 1917; Osmania, 1919; Aligarh Muslim, 1920; Lucknow, 1921; Delhi, 1922; Nagpur, 1923; Andhra, 1926; Agra, 1927; Annamalai, 1929; Travancore, 1937; Utkal, 1943; Saugar, 1946; Rajputana, 1947; Panjab, 1947; Gauhati, 1948; Roorkee, 1949; Poona, 1948; Jammu and Kashmir, 1948; Maharaja Sayajirao University of Baroda, 1949; Karnatak, 1950; Gujarat, 1950; Visva-Bharati, 1951; Bihar, 1952.

Of these, Allahabad, Banaras, Aligarh, Lucknow, Annamalai, Roorkee, and Visva-Bharati are unitary Universities. The creation of Bihar University with its headquarters at Patna has relieved Patna University of its affiliating functions; Patna University is now confined to the city of Patna, but it is not strictly a unitary University as the teaching is carried on in a number of autonomous colleges in the city. Similarly, the University of Delhi was until recently a semi-unitary University, made up of constituent colleges, but the latest amendments of the Delhi University Act have given it certain affiliating functions. Both Patna and Delhi are, however, in the technical sense, " teaching Universities."

Of the others, all except Agra University have important teaching functions, although they are in the main affiliating Universities. Agra has some fifty colleges scattered over the States of Uttar Pradesh and Madhya Bharat under its jurisdiction. It was created to enable Allahabad to become a unitary University. The Universities of Jammu and Kashmir and Panjab (India) are the result of the partition of the Indian sub-continent into India and Pakistan. The colleges in these two territories were formerly affiliated to the University of the Panjab (Lahore), and it became necessary after the partition to create new Universities to which they could be attached.

Roorkee and Visva-Bharati are unique institutions in India. Roorkee is an Engineering University. It grew out of the Thomason Engineering College and at present has only a Faculty of Engineering. Visva-Bharati, which was given a charter by the Government of India in 1951, was founded as an international cultural centre by the poet Rabindranath Tagore in 1921. It has certain distinctive characteristics of its own and is an attempt " to develop a basis on which the cultures of the East and West may meet in common fellowship."

In addition to the Universities mentioned above, mention must also be made of two other institutions which have University standing. Serampore College (near Calcutta), founded in 1818 by European missionaries, received in 1827 a Royal Charter from King Frederick VI of Denmark (to which Serampore then belonged) and this was confirmed by the British Government in 1845. But this Charter was not utilized till 1915 when degrees in Divinity were granted by the University for the first time. The position now is that in the Faculties of Arts and Science Serampore College is affiliated to Calcutta University,

but in the Faculty of Theology the College functions as an independent University.

The Shreemati Nathibai Damodher Thackersey Indian Women's University (usually known as " Women's University ") at Bombay was founded in 1916 to provide an education " specially suited to the needs and requirements of women." The University has now received a Charter from the Government of Bombay and awards its own degrees.

Although the growth in the number of Universities is, to a very great extent, the result of splitting up the older Universities, it does imply an increase in the number of persons receiving a University education.* The growth of the University population in India has raised several problems. While on the one hand this growth is an expression of a commendable desire to participate in higher learning, it is also, to some extent, the result of the absence of adequate opportunities of employment in industry and business for boys and girls leaving school. The presence in the Universities of a number of students who cannot benefit by a University education tends to affect academic standards. Also the somewhat rapid spread of University education raises problems of staff, library and laboratory equipment, suitable buildings for teaching and for residence. The problem of the medium of instruction is an added difficulty to the situation. Experiments in using an Indian language as the medium of instruction at the University stage are being tried by two or three Universities. Elsewhere English is still the medium. But the standard of English has been affected adversely in recent years by several factors, not the least of which is a psychological one.

University authorities are, of course, conscious of these problems and difficulties, and efforts are being made to deal with them. It may be hoped that after the initial period of unsettlement caused by political, economic and psychological factors, the Universities will be able to settle down to teaching and research of the highest order consistent with the scholarly traditions of India.

CONSTITUTION. There are variations in the constitutional framework of the different Universities, the functions of the various " authorities " being somewhat different in each case. But the general pattern is the same. The authorities of Universities are the Executive Council (called the Syndicate in some Universities), the Court or Senate, the Academic Council and the Faculties. The Executive Council (or Syndicate) and the Court (or Senate) have the responsibility of framing Statutes and Regulations and dealing with all matters connected with the organization and administration of the affairs of the University. They are composed of persons representing various interests in the life of the University and the community in which the University exists. Most of the members of these bodies are elected by different constituencies, but a few are nominated by the Chancellor.

The Academic Council deals with academic questions generally, and is chiefly concerned with courses of study and the organization of

* The total number of students in the Universities and Colleges of India is approx. 360,000 (including about 40,000 in Intermediate Colleges).

teaching and examinations. It co-ordinates the work of the various Faculties of the University. The usual Faculties are those of Arts, Science, Medicine, Law, etc. The head of a Faculty is called the Dean and is usually a Professor of the University. It is the Dean's business to attend to the framing and working of the various courses of study in his Faculty. A Faculty usually has several Boards of Study to help it to frame syllabuses in different subjects, to appoint examiners, etc. Faculties which are concerned exclusively with subjects of post-graduate study, such as education and law, tend to become somewhat like autonomous colleges ; but Faculties of Arts, Science, etc., have to co-ordinate the work of undergraduate and postgraduate classes, and, in the case of the affiliating Universities, have to deal with a large number of institutions. These Faculties consist of a number of Departments (*e.g.* English, Sanskrit, History, etc.) and each Department has its own Head or Chairman or Director who is responsible to the Dean.

AFFILIATION OF COLLEGES. Applications for affiliation are generally submitted to the Syndicate, which must be satisfied as to the managing agency, teaching staff, provision for residence of students, equipment, financial resources, suitability of fees, etc. If granted, the course or courses in respect of which the College is affiliated are specified. Affiliated Colleges must comply with requests by the Syndicate for information, submit themselves to inspection under the Syndicate's orders, and take such action as may be ordered consequent upon such inspections. In Calcutta University affiliation questions are dealt with by the Senate. The powers of affiliation by the University can, in some Universities, only be exercised subject to the approval of Government.

TERMS. University examinations are, with few exceptions, held between March and June. Admissions are made as a rule in June or July, though in some cases regular work does not commence till Sept. or Oct. Some Universities have two terms in the year and the others have three.

ADMISSION TO THE UNIVERSITIES. The examination qualifying for admission to a University in India is the School Leaving or Matriculation Examination taken at the end of the high school course. In some parts of the country the Matriculation Examination is conducted by the University. Elsewhere it is conducted by the Government or by a High School Board. Overseas certificates like the London Matriculation Certificate, the Univ. of Cambridge Local Examinations Syndicate's Higher School Certificate, the Oxford Local Examinations Delegacy's Higher School Certificate, and General Certificates of Education awarded by the same bodies, are also accepted as entrance qualifications. In Uttar Pradesh, there is a Board of Intermediate Studies which provides a 2-year course after the School Leaving Examination and holds the Intermediate Examination which is the entrance qualification to the Universities of Allahabad, Lucknow and Agra. In Delhi there is a Higher Secondary course which is a year longer in duration than the typical High School course in the rest of India, and the passing of the Higher Secondary Examination (conducted by a Board of Higher Secondary Education) entitles a student to admission to the 3-year

course of the Delhi University. Students who have passed the Matriculation or School Leaving Examination have to put in a year's Preparatory work at the University and to pass a Qualifying Examination which is equivalent to the Higher Secondary Examination.

COURSES. The ordinary University course (other than certain professional courses) is of 4 years' duration after Matriculation. At the end of the first 2 years there is the Intermediate Examination. Students may choose one of a number of groups of subjects and the Intermediate Examination may be one in, for example, Arts or Science or Agriculture or Commerce. The successful candidate then commences the B.A., B.Com., B.Sc. or other Bachelor degree course. The degree course is usually of 2 years' duration. At the end of the 2 years a student appears for the degree examination (B.A., B.Com., B.Sc., etc.). The successful candidate obtains a Pass or Honours degree according to courses taken or marks obtained. In some Universities, however, there are, in addition to the 2-year Pass courses, separate Honours courses which are of 3 years' duration after the Intermediate.

After the Bachelor's degree, there is the Master's degree, which is awarded after a further period of 1 or 2 years of study and passing a further examination. In the Universities of Annamalai, Andhra, Madras and Travancore, however, Honours graduates in Arts and Science are awarded the Master's degree without further examination after the lapse of a certain period of time. Therefore, in these Universities the M.A. or M.Sc. degree examination is identical with the B.A. or B.Sc. Honours examination.

Most of the Universities have, in addition to courses in Arts and Science, also professional and technical courses in Agriculture, Commerce, Education, Engineering and Technology, Law, Medicine (including Nursing, Pharmacy, Veterinary Science, etc.), Indian Music, Oriental Languages, etc. The usual degrees are Bachelor of Science in Agriculture (B.Sc.Ag. or B.Ag.), Bachelor of Commerce, Master of Commerce (B.Com. and M.Com.), Bachelor of Teaching (B.T.) and Master of Education (M.Ed.), Bachelor of Engineering or Bachelor of Science in Engineering (B.E. or B.Sc.Engg.), Bachelor of Science in Technology (B.Sc.Tech.), Master of Science in Technology (M.Sc.Tech.), Bachelor of Laws and Master of Laws (B.L. or LL.B. and M.L. or LL.M.), Bachelor of Medicine and Surgery (M.B., B.S.), Master of Surgery (M.S.), Doctor of Medicine (M.D.), Bachelor of Science in Nursing (B.Sc. Nursing), Bachelor of Pharmacy (B.Pharm.), Bachelor of Veterinary Science (B.V.Sc.), Bachelor of Oriental Languages, Master of Oriental Languages (B.O.L., M.O.L.). There are, in addition, several " Titles " in Oriental Languages given by different Universities. These titles, which are usually Sanskrit or Arabic or Persian, signify various degrees of achievement in the Oriental Language studied. The literal meaning of some of the titles would be " the proficient one," " the learned one," " the skilled one," " the expert," " the great teacher," etc. The standard of scholarship required for the titles is usually quite high, but nomenclatures are used in different Universities with different significance. The names of degrees at Visva-Bharati are different from those at the other Universities.

*Agriculture.* B.Sc.(Ag.) is a 2-year course after the Intermediate at Agra, Allahabad, Baroda, Calcutta, Gauhati, Gujarat, Karnatak, Nagpur, Osmania, Patna, Poona; and the Universities of Andhra, Banaras, Bombay, Delhi, Madras and Mysore have a 3-year course after the Intermediate. At the Panjab and Rajputana Universities the degree is called B.Ag. and is of 2 years' duration after the Intermediate.

*Commerce.* With the exception of Annamalai, Jammu and Kashmir, Roorkee, Travancore and Visva-Bharati, all the Universities have a Commerce degree course which is usually of 2 years' duration after the Intermediate. At Agra, Delhi and Panjab Universities it is a 3-year course. At Rajputana it is a 2-year course for those who pass the Intermediate Commerce Examination and 3-year course for others. Madras has a B.Com. Honours course which is of 3 years' duration. The M.Com. course is of 2 years' duration after the B.Com.

*Education.* Except Andhra, Roorkee and Utkal, all the Universities have courses in Education. The B.T. or B.Ed. is a postgraduate course of 2 years' duration. There are also in several Universities diploma courses in Education which are of 1 year's duration.

*Engineering.* The B.Sc.Engg. or B.E. course is a post-Intermediate course. At the Universities of Aligarh, Andhra, Annamalai, Calcutta, Madras, Osmania, Panjab, Rajputana, Saugar and Travancore, it is a 4-year course. At Agra, Banaras, Mysore, Patna, it is a 5-year course. At Roorkee it is a 3-year course and at Baroda, Bombay, Gujarat and Poona it is a $3\frac{1}{2}$-year course.

*Law.* With the exception of Andhra, Jammu and Kashmir, Roorkee and Visva-Bharati, all the Universities have courses in Law. The B.L. or LL.B. is a postgraduate course of 2 years' duration at all the Universities except at Bombay, where it is a 2-year course after the Intermediate. At Andhra a post-Intermediate course of 3 years is available in addition to a postgraduate course of 2 years. The LL.M. or M.L. degree can be taken 2 years after the B.L. or LL.B. degree.

*Medicine.* The M.B., B.S. course is of 5 years' duration after the Intermediate at the Universities of Agra, Bombay, Delhi, Gujarat, Nagpur, Osmania, Panjab, Rajputana, Travancore and Utkal. At Andhra, Calcutta, Gauhati and Mysore, it is of $5\frac{1}{2}$ or 6 years' duration. At Lucknow and Madras it is a 4-year course after the Intermediate. Aligarh has a course in Unani Tib * (B.U.T.) which is of 5 years' duration. Banaras has a course in the Ayurvedic system of Medicine, which is of 6 years' duration. The degree given is *Ayurvedacharya.*

Degrees in Veterinary Science, which are usually of 4 years' duration after the Intermediate, are given by the Universities of Agra, Bihar, Bombay, Madras and Saugar. Degrees in Nursing are given by the Universities of Calcutta, Delhi and Madras. It is a 2-year course after the Intermediate at Calcutta, a 4-year course after the Qualifying Examination at Delhi and a 3-year course at Madras. Degrees in Pharmacy are given after a 3-year course after the Intermediate by the Universities of Agra, Banaras, Bombay, Madras and Rajputana.

* Traditional system of Medicine usually practised by Muslim physicians; distinct from *Ayurveda*, the traditional Hindu system of Medicine.

*Oriental Languages.* Titles and degrees in Oriental Languages are given by the Universities of Allahabad, Andhra, Annamalai, Banaras, Jammu and Kashmir, Lucknow, Madras, Nagpur, Osmania, Patna, Rajputana, Travancore, Utkal and Visva-Bharati. The duration of the course varies greatly. Some are post-school, and some postgraduate. The " titles " correspond to degrees and diplomas.

*Theology.* Degrees in (Hindu) Theology are awarded by the University of Banaras after various courses. Aligarh awards degrees of Bachelor, Master and Doctor in (Islamic) Theology. Osmania also has Bachelor's, Master's and Doctor's degrees in (Islamic) Theology. Serampore College awards the B.D. and M.Th. degrees and L.Th. diploma in (Christian) Theology.

The Master's degree course requires specialization in one subject. The Master's degree course is not usually a research course, but in some Universities there is provision for a dissertation to be presented by a candidate in lieu of a part or the whole of the M.A. or M.Sc. examination. There is also provision in some Universities for part of the course to be completed in the first year (called M.A. or M.Sc. Previous examination), so that for the final examination candidates have to prepare only the rest of the course.

Research degrees are usually of the same pattern as in British or American Universities. Students select a field of research and under the guidance of a teacher appointed for the purpose work for at least 2 years after a postgraduate degree and present a thesis. Except where M.A. or M.Sc. is a research degree, the first research degree is Doctor of Philosophy (Ph.D. or D.Phil.). There are higher degrees like D.Litt. and D.Sc. In the Faculty of Law there is the degree of Doctor of Laws (LL.D.) for which one may supplicate with a thesis. The higher doctorates may also be conferred on distinguished persons *honoris causa*. Some Universities have a junior research degree called Master of Literature (M.Litt.).

Cost of Living. The cost of living varies in different Universities. In colleges in the smaller towns it may be about Rs.70 p.m.* inclusive of tuition fees, and in the larger cities it may be twice as much or more. Conditions of life vary greatly from place to place and hostel to hostel, and no simplified general statement of the cost of living can be given which would be of much practical value. A large number of Indian University students are, however, " day scholars " who have only to pay tuition fees to their College or University and whose cost of living depends on the standard of living in their homes.

Inter-University Board. In 1920 a Committee was formed for drafting an outline of the functions and constitution of an Association of Indian Universities. The project was further advanced at the Congress of Universities of the British Empire at Oxford in 1921 and at a Conference of Indian Universities held at Simla in 1924.

In accordance with a resolution passed by the Simla Conference, the Inter-University Board was established to co-ordinate the work of the Universities and to provide a forum for the exchange of information

* 1 Rupee = 1s. 6d. approximately.

and opinion among the Universities. The Universities of Ceylon and Rangoon (Burma) are members of the Inter-University Board of India.

President, 1953–54, Dr. Htin Aung, M.A., Ph.D., Rector, University of Rangoon (Burma); Chairman of Standing Committee, Sir A. L. Mudaliar, M.D., LL.D., D.C.L., D.Sc., F.R.C.O.G., F.A.C.S., Vice-Chancellor of Madras University; Secretary, Samuel Mathai, M.A. Oxon. *Postal Address*: Indar Villa, Roopnagar, Delhi, 6, India.

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 *Reports of Proceedings* of the meetings of the Board and of Conferences of Univs., held under its auspices, a *Bulletin*, and an *Annual Report*.

The Ministry of Education of the Government of India also publishes statistical information concerning various aspects of education in India.

INDIAN STUDENTS AT UNIVERSITIES IN GREAT BRITAIN AND IRELAND.* The Education Department of the High Commission of India, India House, Aldwych, London, W.C.2 (*Cables*: Hicomind, London; *Telephone*: Temple Bar 8484), gives advice and help on educational and all other matters relating to Indian students who come to Great Britain to complete or supplement their education. Secretary: A. M. D'Rozario, M.Sc., Ph.D., Dip.Ed. Camb.; Education Officers: Miss C. H. Bose, M.A. Camb.; M. L. Obroi, M.A. Panj., B.A. Oxon.; S. G. Sathaye, B.A. Bom., Ph.D. Lond.; M. P. Jain, M.A. Panj.; Assistant Education Officers: Miss V. Kitchlu, M.A. Delhi and Panj.; Mrs. K. Khan, M.A. Madr.; I. R. Khan, M.A. Delhi; N. K. Sundaram, M.A. Madr., B.A. Oxon.; Welfare Officer: B. C. Nag.

Indian students who propose to proceed abroad for further study, training or research are strongly advised to consult the Ministry of Education, New Delhi, or their University's Foreign Universities Information Bureau or the Advisory Committee of their Province.

They should also consult the *Handbook for Indian Students—A Guide to the Facilities for University and Professional Studies and Training in the United Kingdom*, which is compiled by the Education Department in London: Part I of the 9th Edition was published in 1953, price 3s. 6d., and Part II is being prepared for publication. Copies may be obtained from the High Commission of India in London; or in India, through the agents for the sale of Government publications.

The number of Indian students at present pursuing courses in the U.K. is approx. 3000, and the officers of the Education Department make every effort to keep in personal touch with them, and give them advice and help in regard to their admission, accommodation and welfare.

**Note**

**The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.**

* *See also* Appendix IV. For Indian students at Univs. in other parts of the Commonwealth, *see under* "Student Numbers" in individual *Yearbook* entries.

[*Information compiled as at* 15/7/53.]

# AGRA UNIVERSITY

Founded 1927

*Postal Address*: Hewett Park, Agra, Uttar Pradesh, India.
*Telephone*: Agra 748.

VISITOR—THE STATE GOVERNMENT OF UTTAR PRADESH.

CHANCELLOR—THE GOVERNOR OF UTTAR PRADESH.

VICE-CHANCELLOR—C. V. MAHAJAN, M.A. Oxon.

REGISTRAR—L. P. MATHUR, D.Sc.

## ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar: R. S. Agarwal, B.Com. Asst. Registrar (Admin.): T. P. Mital, B.Com. Asst. Registrar (Accts.): K. C. Groyal, B.Com. Asst. Registrar (Examns.): K. B. Asthana, B.A., LL.B. P.A. to Vice-Chancellor: B. P. Jain, B.A., LL.B. Librarian: S. R. Misra, B.Com., Dip.Lib.

## AFFILIATED COLLEGES

[M.A., etc., after name of College = teaching up to M.A., etc., standard.]

AGRA, *Agra College*. (*Telephone*: 100.) M.A.; M.Sc.; LL.M. Hds. of Depts.: *Phys.*—Principal N. K. Sethi, M.Sc. Alld., D.Sc. Calc.; *Engl.*—B. Prasad, M.A., D.Phil. Alld.; *Hist. and Pol.*—A. L. Srivastava, M.A., Ph.D., D.Litt. Luck., D.Litt.; *Econ.*—G. Sahai, M.A., LL.B., Ph.D. Lond.; *Philos.*—S. K. Verma, M.A. Patna, Ph.D.; *Hindi and Sanskrit*—Pt. J. N. Tewari, M.A., Shastri; *Maths.*—M. Ray, D.Sc. Calc.; *Drawing and Painting*—M. K. Verma; *Chem.*—A. K. Bhattacharya, D.Sc. Alld.; *Bot.*—S. Sinha, M.Sc. Luck., Ph.D.; *Zool.*—B. C. Mahendra, M.Sc. Alld., D.Sc.; *Military Science*—Capt. Hans Raj, M.A. Panj.; *Law*—A. C. Mukerji, B.L. Calc., LL.M. Bom.

AGRA, *Balwant Rajput College*. (*Telephone*: 111.) M.A.; M.Sc.; M.Com.; M.Sc. (Agric.). Vice-Principal—S. Singh, M.A., Ph.D.; Hds. of Depts.: *Engl.*—R. B. Sharma, M.A., Ph.D. Luck.; *Philos.*—O. B. L. Kapoor, M.A., D.Phil. Alld.; *Hist. and Pol.*—B. N. Mehta, B.T. Nag., M.A., Ph.D.; *Hindi and Sanskrit*—N. D. Singh, D.Phil. Alld., M.A.; *Geog.*—A. N. Bhattacharya, M.A. Alig., M.A.; *Maths.*—B. B. Lal, M.Sc., D.Phil. Alld.; *Commerce*—T. R. Sharma, M.Com. Calc., Ph.D. Luck., M.A.; *Econ.*—R. Singh, M.A., B.Com., Ph.D.; *Phys.*—R. N. Singh, Ph.D. Ban., M.Sc.; *Chem.*—R. Singh, M.Sc., Ph.D., L.T. Alld.; *Bot.*—B. Singh, Ph.D. Luck., M.Sc.; *Zool.*—R. D. Saxena, M.Sc., Ph.D.; *Agron.*—N. K. A. Rao, M.Sc., Ph.D. Ban.; *Agric. Econ.*—D. Singh, M.A., Ph.D.; *Animal Husb. and Dairying*—S. N. Singh, M.Sc., Ph.D.; *Hortic.*—S. M. Singh, M.Sc. Ban.; *Milit. Sci.*—G. R. Singh, B.Sc.

AGRA, *Engineering College*, Dayalbagh. (*Telephone*: 780.) B.Sc. Eng. Principal—..... ; Hds. of Depts.: *Maths.*—S. Kumar, M.Sc.; *Mech. Engin.*—S. S. Bhatia, B.Sc., B.T. Panj., B.Eng. Sheff.

AGRA, *Medical College*. (*Telephone*: 145.) M.B., B.S.; M.D., M.S. Principal—H. N. Bhatt, M.B., B.S., F.R.C.S., D.M.R. and E.; Hds. of Depts.:

*Anat.*—S. P. Jain, M.B., B.S., M.D., F.R.C.S.; *Physiol.*—I. Singh, M.B., B.S., Ph.D.; *Biochem.*—M. G. Chakarvarti, M.Sc., Ph.D., D.I.C.; *Pathol.*—P. N. Wahi, M.D., F.R.C.S.; *Med.*—K. N. Gaur, M.D., D.C.H., F.R.F.P.S. Glas.; *Surg.*—C. B. Singh, M.B., B.S., F.R.C.S.; *Obst. and Gyn.*—A. D. Engineer, M.D., F.R.C.S.; *Ophthalmol.*—K. N. Mathur, M.S., D.O.M.S.; *Pharmacol.*—.....

AGRA, *Radha Swami Educational Institute*, Dayalbagh. (*Telephone*: 730.) B.A.; B.Sc.; B.Com.; LL.B.; B.T. Principal—B. P. Johri, M.Sc.; Hds. of Depts.: *Econ.*—S. P. Madhosh, M.A.; *Law*—D. S. Bhatnagar, B.A., LL.B.

AGRA, *St. John's College.* (*Telephone*: 155.) M.A.; M.Sc.; M.Com. Under the general control of the Church Missionary Society. Admits non-Christians. Principal—C. V. Mahajan, M.A. Oxon.; Hds. of Depts.: *Engl.*—S. P. Sharma, M.A. Alld.; *Philos.*—M. A. Hakim, M.A. Luck., M.Ed. G.P. Coll.; *Hist. and Civics*—Miss M. E. Gibbs, Hons. in Mod. Hist. Oxon., M.A. Manc.; *Polit.*—H. S. Housman, B.A.; *Econ.*—C. T. Gideon, M.A., L.T. Alld.; *Geog.*—A. R. Tewari, M.A. Alig. and Alld., M.A.; *Pers. and Urdu*—M. U. Faridi, M.A. Alig.; *Hindi*—H. H. N. Tandon, M.A. Ban.; *Maths.*—C. R. Chaturvedi, M.A., B.Sc. Alld.; *Chem.*—P. I. Ittyerah, B.A. Madr., M.Sc., Ph.D.; *Physics*—K. P. Mathur, M.Sc.; *Zool.*—M. S. Mani, M.A. Madr., D.Sc.; *Bot.*—B. L. Gupta, M.Sc. Alld.; *Comm.*—R. S. Dwivedi, B.Com. Alld., M.A.; *Accountancy and Law*—Rev. N. Timothy, B.Com. Luck., M.A.

AGRA, *Women's Training College*, Dayalbagh. (*Telephone*: 730.) B.A.; B.T. Principal—S. P. Sukhia, M.A., T.Dip.; Hds. of Depts.: *Geog.*—Vice-Principal B. P. Johri, L.T. Alld., M.Sc.; *Hindi*—Mrs. D. D. Rae, M.A., B.T.; *Hist.*—Mrs. A. P. Dass, M.A., B.T. (Sr. Lectr.); *Psychol. and Philos.*—Mrs. G. P. Sherry, M.A., B.T.; *Polit.*—Miss Pushpa Puri, M.A., M.Ed.; *Engl.*—Miss P. V. Mehta, M.A.

AJMER, *D.A.V. College.* (*Telephone*: 262.) B.A.; B.Com. Hds. of Depts.: *Polit. Sci.*—Principal D. Vable, M.A., LL.B.; *Hist.*—K. R. Vable, M.A.; *Sansk.*—D. C. Shastri, M.A.; *Comm.*—G. L. Joshi, M.A., M.Com.; *Engl.*—R. S. Varma, L.T. Alld., M.A.; *Econ.*—B. N. Kashyap, M.A. Alld.; *Hindi*—P. N. Kulshreshtha, M.A., D.Phil. Alld.

AJMER, *Government College.* (*Telephone*: 21.) M.A.; M.Sc.; B.Com.; LL.B. Principal—V. V. John, M.A. Hds. of Depts.: *Sansk.*—R. G. Ojha, M.A. Ban.; *Engl.*—B. Sen, M.A. Delhi; *Hist.*—R. S. Kapur, B.A. Lond.; *Zool.*—P. N. Mathur, M.Sc., Ph.D.; *Econ.*—R. N. Bagchi, M.A. Calc., Ph.D. Lond.; *Maths.*—K. B. Rao, B.A. Madr.; *Chem.*—K. P. Haldar, M.Sc. Ban.; *Philos.*—A. M. Ghose, M.A. Alld.; *Polit.*—K. M. Kaul, M.A., LL.B.; *Pers.*—S. M. Hasan, M.A.; *Physics*—M. L. Garg, M.Sc. Luck.; *Bot.*—B. D. Tyagi, M.Sc.; *Urdu and Pers.*—A. I. A. Syed, M.A.; *Law*—J. B. Singh, B.A., LL.B. Bom.

AJMER, *Savitri Girls' College.* B.A. Principal—..... Hds. of Depts.: *Hist.*—Miss M. Bhatji, M.A. Madr.; *Econ.*—Miss S. Mehra, M.A.; *Hindi*—M. N. Kacker, M.A.; *Music*—G. N. Rajvirkar.

ALIGARH, *Barahseni College.* (*Telephone*: 145.) M.A.; M.Com.; LL.B. Hds. of Depts.: *Econ.*—Principal M. C. Mathur, M.A. Delhi, M.Sc. Belf., Ph.D.; *Engl.*—Vice-Principal M. Lal, M.A. Alld., M.A.; *Hindi*—P. L. Shukla, M.A. Luck.; *Hist. and Pol. Sci.*—S. K. Srivastava, M.A. Alld. and Luck.; *Geog.*—H. K. Gupta, M.A. Alig.; *Comm.*—S. S. Rathi, M.A., M.Com.; *Law*—D. P. Varshneya, M.A., LL.B. Alld.

ALIGARH, *Dharam Samaj College.* (*Telephone*: 158.) M.A.; B.Sc. Hds. of Depts.: *Psychol.*—Principal V. G. Jhingran, M.Sc. Luck., B.Ed. Edin.;

*Engl.*—D. M. Gupta, M.A.; *Hist.*—P. P. Saksena, M.A. Alld.; *Pol. Sci.*—G. K. Gahrana, M.A.; *Econ.*—M. D. Tandon, M.A. Alld.; *Hindi and Sansk.*—M. L. Gaur, M.A.; *Geog.*—O. N. Kapoor, M.A. Alig., LL.B., B.T. Panj.; *Milit. Sci.*—R. Nath, B.A. Panj.; *Maths.*—S. K. Singh, M.Sc. Alld.; *Chem.*—L. S. Bhatia, M.Sc. Ban.; *Physics*—R. S. Bhargava, M.Sc. Alld.

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BALLIA, *Satish Chandra College.* B.A. Principal—M. L. Misra, M.A.; Hds. of Depts.: *Econ.*—K. D. Upadhyay, M.A. Ban., Ph.D.; *Hist.*—S. C. Banerji, M.A., B.T. Calc.; *Maths.*—G. L. Jha, M.A. Ban.; *Engl.*—R. N. Pande, M.A., B.T.

BARAUT, *Jat Vedic College.* B.Sc.; B.Sc. (Agric.). Hds. of Depts.: *Engl.*—Principal S. S. Chaudhry, M.A.; *Chem.*—G. L. Maheshwari, M.Sc., Ph.D.; *Bot.*—B. Prasad, M.Sc. Ban.; *Zool.*—B. B. Sinha, D.Sc. Luck.; *Agric.*—R. Singh, M.A., LL.B.

BAREILLY, *Bareilly College.* (*Telephone*: 1164.) M.A.; M.Sc.; LL.B.; M.Com. Hds. of Depts.: *Hist.*—Principal S. B. Banerjee, M.A. Calc.; *Engl.*—A. K. Das Gupta, Ph.D. Edin.; *Polit.*—G. P. Mehrotra, M.A. Alld.; *Econ.*—R. K. Sharma, M.A., LL.B. Alld.; *Philos.*—H. D. Gupta, M.A., LL.B.; *Sansk.*—B. N. Sharma, M.A.; *Urdu*—M. T. Siddiqi, M.A. Alld.; *Hindi*—S. D. Pant, M.A., L.T., Shastri; *Maths.*—R. K. Vaish, M.Sc. Alld.; *Milit. Sci.*—Capt. B. R. K. Tandon, M.A.; *Chem.*—L. D. Tewari, M.Sc., D.Phil. Alld.; *Physics*—B. P. Saxena, M.Sc. Luck.; *Biol.*—D. N. Srivastava, M.Sc. Ban.; *Comm.*—N. K. Chaddha, M.A., LL.B. Alld.; *Law*—M. M. L. Mathur, B.A., LL.B. Alld.

BHOPAL, *Government Hamidia College.* (*Telephone*: 41.) M.A.; B.Sc.; B.Com. Principal—P. C. Malhotra, M.A.; Hds. of Depts.: *Hist. and Pol. Sci.*—K. L. Srivastava, B.T., M.A., Ph.D.; *Engl.*—A. N. Gupta, M.A. Alld.; *Comm.*—R. C. Shukla, M.Com., LL.B. Alld.; *Hindi*—R. Guru, M.A. Nag.; *Urdu*—Shrimati S. Akhtar, M.A., B.T. Alig.; *Maths.*—S. C. S. Paranjpe, M.A., LL.B. Nag.

CHANDAUSI, *S.M. College.* M.A.; B.Sc.; B.Com. Hds. of Depts.: *Chem.*—Principal K. Kumar, M.Sc. Alld.; *Physics*—P. S. Dubey, M.Sc. Luck.; *Maths.*—M. R. Saxena, M.Sc. Ban.; *Engl.*—S. C. Roy, M.A. Ban., L.T. Alld.; *Hist. and Pol.*—W. C. Banerjee, M.A. Alld., M.A.; *Geog.*—K. Sahai, M.A., B.T. Alig.; *Hindi and Sansk.*—G. S. Sheal, M.A., D.Phil.; *Comm.*—B. Behari, M.A., M.Com.

CHHATTARPUR, *Maharaja's College.* B.A. Hds. of Depts.: *Engl.*—Principal H. R. Misra, M.A., B.T., D.Litt. Ban., M.A.; *Hist.*—Vice-Principal P. S. Mathur, M.A.; *Philos.*—B. M. Chaturvedi, M.A.; *Hindi*—B. D. Sharma, M.A.; *Polit.*—R. Prasad, M.A.; *Econ.*—F. Bahadur, M.A.

DEHRA DUN, *D.A.V. College.* (*Telephone*: 555.) M.A.; M.Sc.; B.T.; LL.B.; M.Com. Principal—R. N. Saxena, M.A., Ph.D., D.Litt.; Hds. of

Depts.: *Econ.*—J. S. Garggya, M.A. Alld.; *Engl.*—Ganga P. Shukla, M.A.; *Hindi*—Gaya P. Shukla, M.A. Ban.; *Hist.*—B. S. Bhatnagar, M.A.; *Polit.*—S. C. Bartariya, M.A. Luck.; *Sansk.*—R. N. S. Srivastava, M.A., Sahitya Shastri; *Philos.*—S. B. Roy, M.A. Calc.; *Urdu*—B. P. Saxena, M.A. Alld., M.A.; *Maths.*—A. S. Sinha, M.A., L.T.; *Chem.*—L. N. Gupta, M.Sc. Alld.; *Physics*—J. P. Roy, M.Sc.; *Zool.*—T. Singh, M.Sc., M.Ed.; *Bot.*—K. N. Das, M.Sc. Ban.; *Comm.*—B. S. Nigam, M.A., B.Com.; *Law*—K. S. Pathak, M.A., LL.B.; *Teachers' Trg. Section*—R. P. P. Mathur, M.Sc., L.T.

FAIZABAD, *Shri Saket Mahavidyalaya College.* B.A. Hds. of Depts.: *Engl.*—Principal H. H. N. Hakku, M.A., B.Sc. Ban., D.Litt.; *Sansk.*—R. C. Rastogi, M.A., Sahityacharya Luck.; *Hist.*—K. S. Tripathi, M.A. Alld.; *Hindi*—B. N. Srivastava, M.A. Alld.; *Econ.*—K. C. Malhotra, M.A. Luck.; *Psychol.*—P. Nishra, M.A., LL.B.; *Geog.*—M. P. Karan, M.A.

GHAZIABAD, *Mahanand Mission Harijan College.* (*Telephone*: 20.) B.A.; B.Sc.; B.Com.; LL.B. Hds. of Depts.: *Engl.*—Principal B. S. Mathur, M.A. Luck.; *Maths.*—K. S. Shrivastava, M.Sc. Luck.; *Hindi*—J. C. Rai, M.A.; *Econ.*—S. K. Shrivastava, M.A.; *Hist. and Pol.*—S. C. Mathur, M.A. Nag., M.A.; *Philos.*—R. Singh, M.A.; *Drawing and Painting*—C. L. Jha, M.A.; *Geog.*—M. S. Bhatnagar, M.A.; *Chem.*—B. Singh, M.Sc.Tech. Ban.; *Physics*—L. K. Wadhawa, M.Sc.; *Law*—R. Mohan, B.A., LL.B.; *Comm.*—R. Raman, M.A., M.Com.

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UJJAIN, *Madhava College.* M.A. ; M.Sc. ; LL.B. Principal—Rev. A. M. Dalaya, M.A. Oxon., LL.B. ; Hds. of Depts. : *Hist.*—B. Narain, M.A., LL.B. Alld. ; *Engl.*—T. P. Bajpaye, M.A. Ban., L.T. Alld., M.A. ; *Hindi*—S. M.

Singh, M.A., D.Litt. Ban.; *Econ.*—B. M. Kawatkar, M.A. Bom.; *Philos.*—G. R. S. Dugwekar, M.A., LL.B.; *Polit. Sci.*—J. P. Dube, M.A.; *Maths.*—N. Singh, M.Sc.; *Physics*—S. D. Choube, M.Sc.; *Chem.*—R. S. Rewadikar, M.Sc. Bom.; *Comm.*—P. G. Thakur, M.Com.; *Law*—G. S. Kasliwal, M.A., LL.M.

UNNAO, *Subhas National College.* (*Telephone*: 13.) M.A. Hds. of Depts.: *Hist.*—Principal L. N. Misra, M.A., LL.B. Luck.; *Polit. Sci.*—K. D. Tripathi, M.A. Luck.; *Hindi*—N. N. Dikshit, M.A.; *Sansk.*—R. D. Shastri; *Philos.*—T. N. Shukla, M.A. Luck.; *Econ.*—M. C. Saxena, M.A., LL.B.; *Engl.*—S. D. Kher, M.A.

## GENERAL INFORMATION

Act VIII of 1926 of the United Provinces Legislature, which received the assent of the Governor-General on Oct. 20, 1926, provided for the establishment of a University "for the purpose of affiliating the colleges associated with the University of Allahabad..." so as to set the latter free to function as a unitary, teaching and residential institution. It empowered the Agra University to affiliate colleges in the Uttar Pradesh, Madhya Bharat, Vindhya Bharat, Ajmer and Bhopal, except within the limits of the Universities of Allahabad and Lucknow. To supplement the work in affiliated colleges the University may institute teaching posts at selected centres.

Five categories of persons are eligible, subject to prescribed conditions, for degrees and other academic distinctions: (*a*) candidates who pass the University's examinations after pursuing an approved course at an affiliated college; (*b*) teachers who pass the University's examinations; (*c*) inspecting officers in the Department of Education who pass the University's examinations; (*d*) research workers; (*e*) women who have carried on private study. Lectures and instruction may be provided by the University for, and diplomas may be granted to, persons other than students of an affiliated college.

The 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 Uttar Pradesh, or of an Indian University incorporated by law, or an equivalent examination.

The Act came into force on July 1, 1927, and all the constituent bodies of the Univ. have been formed. The Univ. held its first examns. in 1928.

The usual languages of instruction are English and Hindi.

INCOME (1951–52). Total income, Rs. 12,86,698 (including Rs. 8,63,275 from examn. fees; Rs. 31,801 as contributions from State Colleges; Rs. 46,925 Govt. grant).

LIBRARIES. 25,000 bks. and periodicals in Univ. Research Library. In addition, each of the Affiliated Colleges is required to maintain a sep. library of its own.

FACULTIES AND DEANS. *Agriculture*, B. L. Sethi, M.Sc., Ph.D.; *Arts*, K. P. Bhatnagar, M.A., LL.B.; *Commerce*, K. P. Mathur, M.A., Ph.D.; *Engineering*, M. C. Bijawat; *Law*, Brijendra Swarup, LL.D.; *Medicine*, B. Sahai, M.D.; *Science*, C. R. Chaturvedi, M.A., B.Sc.; *Veterinary Science and Animal Husbandry*, P. G. Pande, M.Sc.

DEGREES. B.A., M.A., Ph.D., D.Litt.; B.Com., M.Com., Ph.D., D.Litt., LL.B., LL.M.; B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc. (Ag.), M.Sc. (Ag.); Ph.D., D.Sc.; M.B., B.S., M.D. and M.S.; B.V.Sc. and A.H.; B.T., B.Sc. (Engg.).

COURSES. B.A., B.Sc., 2 yrs. Candidates must have passed (i) the Intermed. Examn. of the Bd. of High School and Intermed. Educn., U.P., or of the Central Bd. of Secondary Educn., Ajmer, or of the Bd. of High School and Intermed. Educn. for Rajputana (including Ajmer-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.T., 1 yr. in affiliated coll., by examn. 1st yr. after graduation. B.Com., 3 yrs.; 2 examns. (Pt. I and Pt. II). Candidates must have passed (i) the Intermed. Examn. of the Bd. of H. Sch. and Intermed. Educn., U.P., or of an incorporated Indian Univ.; or (ii) the Commercial Diploma Examn. of Allahabad Univ. or of the Bd. of H. Sch. and Intermed. Educn., U.P.; or (iii) the Intermed. Examn. in Commerce of the Bd. of H. Sch. and Intermed. Educn., U.P. or Ajmer, Vindhya Pradesh and Bhopal; or (iv) the Intermed. (Group B—special) Examn. of Delhi Univ. with Regional and Commercial Geog. as optional subject; or (v) the Intermed. Examn. of Andhra Univ. with Economics, Commercial Geography and Accountancy as optional subjects. Candidates who have passed (ii), (iii), (iv), (v) or (vi), the Intermed. Examn. in Commerce of the Nagpur Univ., or (vii), the Intermed. Examn. in Commerce of the Hindu Univ., Banaras, will be exempted from the 1st yr. of the course. LL.B. Graduates in Arts, Commerce, Science, Medicine, Engineering, Veterinary Science or Agric., who complete a regular course of study in a Law Class in an affiliated college for 1 yr., are eligible for admission to the Previous Examn., and after one further yr. to the Final Examn. B.Sc. (Ag.). Two examns.—Pt. I and Pt. II. Candidates must have passed the Intermed. Examn. in Agric. of the Bd. of H. Sch. and Intermed. Educn., U.P., or any other examn. in Agric. recognized by the Univ. as equivalent thereto, and have attended a regular course of study in an affiliated college for two academical yrs. B.Sc. in Pharmaceutical Chemistry. Statutes have been approved, but no college has yet been affiliated for it. M.B., B.S., 5 yrs.' course. B.V.Sc. and A.H., 4 yrs.' course in Veterinary Science and Animal Husbandry. B.Sc. (Engg.), 5 yrs., the 5th devoted entirely to practical training or res. work. *Higher Degrees.* M.A., M.Sc., M.Com., 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. 8 res. scholps. of Rs. 75 each p.m. tenable for 1 yr. in an affiliated coll.

NATIONAL CADET CORPS. Several affiliated colls. have N.C.C. units.

PUBLICATIONS. *Calendar* (Nov.; once in 3 yrs.), Rs. 8; *Research Journal* in preparation.

UNIVERSITY PRESS. Established in 1951 in Univ. premises.

## THE YEAR 1951–52

NEW BUILDING. Construcn. of Univ. library proceeding.

PRINCIPAL CHANGES IN REGULATIONS. Home Econ. added to list of optional subjs. for B.A.; Anc. Indian Hist. and Culture added to list of subjs. recogd. for M.A.; candidates no longer allowed to combine legal studies with postgrad. course in Sci. subjs.; B.Com. examn. divided into 2 parts, of which Pt. I must be passed before the Final Examn. is taken.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 4504 | 13,651 |
| Women | 885 | 2,336 |
| Total | 5389 | 15,987 |

Postgraduate students, 9975.
New admissions, 11,401.

DEGREES. B.A., 7260; M.A., 4753; B.T., 297; B.Sc., 1964; M.Sc., 751; LL.B., 2853; B.Com., 1302; M.Com., 535; B.Sc. (Ag.), 594; M.Sc. (Ag.), 210; M.B., B.S., 543; B.V.Sc. & A.H., 74; B.Sc. (Engg.), 107; M.D., 4; M.S., 8; Ph.D., 21.

[*Information compiled as at* 13/6/53.]

# ALIGARH MUSLIM UNIVERSITY

Founded 1920

*Postal Address*: Aligarh, Uttar Pradesh, India.
*Telephone*: Aligarh 73.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHIEF RECTOR—H.E. THE GOVERNOR OF UTTAR PRADESH.

CHANCELLOR—HIS HOLINESS MULLA SYEDNA TAHIR SAIFUDDIN SAHIB.

PRO-CHANCELLOR—NAWAB SAIDUL MULK BAHADUR, DR. HAFIZ MOHD. AHMAD SAID KHAN SAHEB OF CHATTARI, LL.D.

VICE-CHANCELLOR—ZAKIR HUSAIN KHAN, M.A., Ph.D.

PRO-VICE-CHANCELLOR—.....

TREASURER—QAZI AZIZUDDIN AHMAD SAHIB BILGRAMI, B.A., LL.B.

REGISTRAR—AZMAT ELAHI ZUBAIRI, B.A., LL.B.

LIBRARIAN—S. BASHIRUDDIN, M.A.

## TEACHING STAFF

*Arabic*

..... Prof.
Aleem, A., Dr.Phil. Berl., B.A. Reader.*

Lecturers

Badruddin, M.
Ahmad, M., M.A., Ph.D. Oxon.
Almamoon, M.

*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.
Abbas, A., M.Sc. Alld.
Farooq, M., M.Sc.
Khan, M. R. Temp.

*Chemistry*

.....
Farooq, M. O., Ph.D. Alig. and Lond., M.Sc., D.I.C. Reader.*
Aziz, M. A., Dr.Phil. Berl., B.Sc. Reader.
Kidwai, A. R., B.A., M.S. Illinois, Ph.D. Corn. (Biochem.) Reader.

Lecturers

Rahman, S. F., M.Sc.
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.
Qureshi, M. M., M.Sc.
Rahman, A. Temp.
Osman, M. Temp.
Abraham, N. A. Temp.
Surti, A. Temp.

*Commerce*

Shafi, S. M., B.Sc. (Econ.) Lond., B.A. Reader.*

* Chairman of Dept.

Lecturers
Farooquee, Q. H., M.A., B.Com. Luck.
Rizvi, F. H., M.A., M.Com.
Ismail, M.
Hafizuddin, M., M.A., M.Com.

*Economics*
..... Prof.

Lecturers
Salim, A., M.A.
Khan, M. S., M.A.
Banerji, P. C., M.A., D.Phil.
Haseeb, A., M.A., LL.B.
Siddiqi, E. R., M.A.
Siddiqi, A. A., M.A. Luck. Fellow.
Qayum, M. A.
Raz, M. A., M.A.

*Education*
Rahman, H., M.A. Birm., M.A., L.T. Prof.*
Khan, A. M., M.Ed. Patna, Ph.D. Col., M.Sc., B.T.
Husain, I., M.A. Leeds, B.A., Dip.Ed. Leeds Lectr.
Zaidi, Q. H., M.A., M.Sc., B.T. Lectr.
Khan, M. H., M.A., B.T., M.Ed. Patna Lectr.
Ansari, A., M.A., B.T. Lectr.
Zaidi, Miss Sabira K., M.A. Col., M.A., B.T. Lectr.
Asthana, M. A., B.Ed. Edin., Dip.Ed., C.T. Brist. Lectr.
Bahadur, B., M.Ed. Patna Lectr.
Sultan, Miss Safia, B.A., B.T. Supervisor.
..... Supervisor.
Husain, S. (Drawing & Educnl. Handwk.) Instr.
Abid, M., Dip.Phys.Edu. Luck. (Phys. Educn.) Instr.

*Engineering*, v. *infra*

*English*
Hosain, S. M., M.A., LL.B. Reader.*
Bose, A., M.A. Dacca, D.Phil. Oxon. Reader.
Ali, M. H., M.A. Reader.

Lecturers
Khan, B. A., M.A.
Khan, S., M.A.
Ansari, A. A., M.A.
Hasan, M., M.A.
Ahmad, M.
Rahman, A.
Kazmi, M.A.
2 Student Assts.

*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.

Lecturers
Younus, 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, M. S. M., M.Sc.
Munir, G. A.

*Geology*
Gauju, P. N., M.Sc., Ph.D.*

Lecturers
Rasul, H., M.Sc. Calc.
Ali, B., M.Sc. Calc.
Ahmad, N., M.Sc. Patna.
Srivastava, V. K.

*Hindi and Sanskrit*
Sharma, H. L., M.A. Reader.*

Lecturers
Shukla, G. N., M.A., B.T. Ban.
Rehman, H.
Sharma, S. S., M.A., B.T.

*History*
..... Prof.
Rashid, S. A., M.A., LL.B. Reader.*

* Chairman of Dept.

Hasan, S. N., M.A. Alld., D.Phil. Oxon., F.R.Hist.S. Reader.

Lecturers

Kureishy, A. W., M.A., LL.B.
Nizami, K. A., M.A., LL.B. Agra.
Mustafa, K., M.A. Alld.
Malik, Z. Fellow.
1 Student Asst.

*Law*

Rahman, H., B.A., LL.B. Reader.*

Lecturers

Khwaja, M. I., B.A., LL.B. Pt.-time.
Ismail, M., B.A., LL.B. Pt.-time.
Haider, J., M.A., LL.B. Pt.-time.
Siddiqi, A. H., B.A., LL.B. Temp.
Dayal, S.

*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.
Hasan, H., M.Sc.
Khan, S. Temp.

*Persian*

Kureshy, A. W., M.A., LL.B.
Salamatullah.
Hasan, S. H., B.A. Camb., Ph.D. Lond. Prof.*
..... Prof.
Ahmad, Z.-I., M.A. Lectr.
Israili, S.
Hadi, N.

*Philosophy and Psychology*

Umaruddin, M., M.A. Calc., M.A., B.T. Reader.*

Lecturers

Siddiqi, Z. A., M.A.
Hasan, I., M.A., Ph.D.
Nami, Y. B., M.A.
Moghni, S. M., M.A., LL.B. (on study leave).
Chowdhury, K. R., M.Sc. Calc.
Beg, A. M., M.A. Demr.
Qadri, A. J.

*Physics*

Gill, P. S., M.S. S. Calif., Ph.D. Chic., F.N.I. Prof.*
Ali, S. N., M.Sc., Ph.D. Reader.
Gupta, S., M.Sc. Calc. (Theoret. P.) Reader.

Lecturers

Ahmad, R., M.Sc. Calc., M.S.E. Prin.
Husain, K., M.Sc.
Haq, E., M.Sc.
Ali, S. A., M.Sc.
Khan, M. A. B., M.Sc.
Mohammad, F., M.Sc.
Ali, A., M.Sc.
Sarcar, D. C.
Bhanot, V. B.
Shafi, M. Temp. Lectr.

*Political Science*

Habib, M., B.A. Oxon. Prof.*
Sultan, C. M., M.A. Luck. Reader.

Lecturers

Haqqi, A. H., B.A. Luck., M.A., LL.B.
Ali, S. N., M.A., LL.B.
Qidwai, M. H., M.A. Luck.
Matinuzzuman, M.
1 Student Asst.

* Chairman of Dept.

*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.

*Zoology*

Mirza, M. B., Dr.Phil.nat. Frankfurt, B.Sc. Bom. Prof.*
Khan, M. A. B., Ph.D. McG., M.Sc., Ph.D. Reader.

Lecturers

Alam, S. M., M.Sc., Ph.D.
Tofail, M., M.Sc.
Aziz, S. A., M.Sc.
Farooqi, M. M., M.Sc. Temp.
Khan, N. H., M.Sc., Ph.D. Massachusetts.
Qasim, Z.

**Medicine**

Leber, Prof. A., Dr.med. Heidel. Dean.

*Ophthalmology*

Leber, A., Dr.med. Heidel. Prof.
Hameed, S., M.B., B.S. Lectr.

Part-time Lecturers

Singh, M., M.B., M.S. (Ophthalmology).
Shukla, B. R., B.Sc., M.B., M.S. D.O.M.S. Lond. (Ophthalmology).

*Unani Tib and Surgery*

Latif, H. A. Reader.*
Ansari, I. H., M.B., B.S. Bom., B.Sc.
Rahman, M. S., M.B., B.S. Bom.
Shah, I. U., M.B., B.S. Panj.
Ain, H. N.
Zahiruddin Khan, H. M.
Khan, H. Z. A.
Hasan, H. A. S.
Nasrullah Khan, M., B.A., B.T.
Haq, M. W.
Rajar, H. A. H. (Anat.) Demr.
..... (Physiol.) Demr.
Khan, M. M. R. Science Teacher.
Mehdi, I., M.Sc. Science Teacher.

**Theology**

*Shia Theology*

Kamoonpuri, Dr. M. H. (Nazim Theol.) Lectr.
Abbas Sahib, M. S. M. Z.

*Sunni Theology*

Hafeezullah Sahib, M. M. (Nazim Theol.).
Ahmad Sahib, M. Q. M.

## College of Engineering and Technology

*Civil Engineering*

Chakko, K. C., D.Sc. (Eng.) Lond., B.A. Prof.*
Chowdiah, A. M., M.S. (Eng.) Mich. State Reader.

Lecturers

Ansari, M. Y., B.Sc. (Eng.) (on leave).
Shamsi, F.
Hussain, M.
Khan, M. R. A., B.Sc. (Eng.),
Bari, S. J., B.Sc. (Eng.).

Demonstrators

Kazmi, J. A., Dip. Civil Engin. Roor.
Singh, J.

*Electrical Engineering*

Saha, N. C., B.Sc. Glas., M.Sc., Ph.D. Manc. Prof.*
Durrani, U., B.Sc. Reader.
..... Reader.

Lecturers

Bhattacharjee, S. C., B.Sc. Calc., B.Sc. (Eng.) Ban.
Huda, N., M.Sc. Dacca.

* Chairman of Dept.

Abbas, S. A., B.Sc., B.Sc. (Eng.).
Varshney, B. G., B.Sc. (Eng.).

Demonstrators
Rasheeduddin.
Nasiruddin (on leave).
Sherwani, M. Y. K.
Gupta, H. C., Dip.Eng. Calc.

*Mechanical Engineering*
Dey, N. C., M.Sc. Calc., B.Sc. (Eng.) Lond. Prof.*
Narasinham, D. V., B.Sc. Ban. and Durh. Reader.

Lecturers
Husain, S., B.Sc., B.Sc. (Eng.).
.....
Munir, J. A., B.Sc. Eng.
.....

Demonstrators
Qureshi, A.
Mukerjee, D. C., M.E.E. Roor.
.....
.....

*General*
Khan, A. H. Workshop Supt.

Lecturers
Manohar, R., M.Sc. (Maths.).
Ahmad, N., M.Sc. (Maths.).
Saxena, B. S., M.Sc. (Maths.).
Singhal, J. P., M.Sc. (Science).
Ali, S. A. Drawing Teacher.

## University Polytechnic

*Civil Engineering*

Lecturers
Hasan, A. A. Z.
Bahauddin, K. M.
Ahmad, S. N.
Siddiqi, S. H. Demr.
Rashiduddin, M. Demr.

*Electrical Engineering*

Lecturers
Huda, N.
Alhashmi, H. A.
Siddiqi, M. O.
Mathur, S. G. P.

*Mechanical Engineering*

Lecturers
Bey, G.
Hasan, S. N.

*General*

Lecturers
Ahmad, N., M.Sc. (Maths.).
Khan, G. (Phys.).
Naqvi, N. R., Dipl. in Civil Engin. Drawing Teacher.

## ADMINISTRATIVE AND OTHER STAFF

Deans of Faculties. *Arts*, Prof. M. Habib ; *Engin. and Technol.*, Prof. N. C. Saha ; *Med.*, Dr. A. Leber ; *Theol.*, Dr. Z. Husain.

Provosts. S.S. Hall, Sh. A. Rashid ; V.M. Hall, Dr. S. N. Hasan ; Aftab Hall, Dr. S. M. Ali ; S.S.E. Hall, Dr. M. A. B. Khan.

Proctor. S. M. Shafi.

Principals. Women's College, Mrs. M. J. Haider ; Tibbiya College, A. Latif ; College of Engineering and Technology, Prof. K. C. Chakko ; Training College, Prof. H. Rehman.

Medical Officer. Capt. H. Rahman.

Supt., Building Dept. A. Lewis.

* Chairman of Dept.

## GENERAL INFORMATION

Founded in 1875 by the late Sir Syed Ahmad Khan as the Mohammedan Anglo-Oriental College, the University received its first Charter in 1920. By the Act of 1951 the constitution of the University was amended to bring it into conformity with recommendations of the University Commission and the constitution of the Indian Republic. The M.A.O. College was founded with the object of imparting to the Muslim youth a modern scientific education. The University brings together students and scholars from different parts of the country with different religious, linguistic and cultural backgrounds.

The medium of instruction is English.

LIBRARIES. Central Library: 89,565 vols. Departmental Libraries: Philos., 1200 vols.; Maths., 3000; English, 2000; Geog., 3000; Econ., 2000; Phys., 3000; Chem., 3000; Bot., 2500; Zool., 2000; Hist., 1900; Educn., 3000; Commerce, 700; Military Sc., 100; Persian, 550; Arabic, 450; Urdu, 2000; Sanskrit, 500; Engin., 4000.

FACULTIES. Arts, Engineering and Technology, Medicine, Science, Theology. (For Deans *see* " Administrative and other Staff," p. 1183.)

COURSES. For students who have passed the High School or Matricn. Examn. of an Indian Univ., 2-yr. Inter. course in Arts or Sci., 2-yr. Inter. course in Comm. For students who have passed the Inter. examn. of an Indian Univ., 2-yr. course for B.A. or B.Sc. ord. or B.Com. and 3 yrs. for B.A. or B.Sc. with hons. One yr. for Teaching Certif. Courses leading to M.A., M.Sc., M.Ed., LL.B., B.Ed. (Bachelor of Education), B.Th. (Bachelor of Theology), B.Sc. in Civil, Elect. and Mech. Engin., Bachelor in Unani Tib and Surg. and Ph.D. degrees are also provided.

Women students are admitted to M.A. classes in certain subjects in addition to B.A., B.T. and M.Ed. classes, and arrangements have been made for their instruction under strict purdah.

DIPLOMAS, ETC. Dipl.Engg.; Inter. (Arts); Inter. (Sci.); Inter. (Comm.); High Sch.; Postgrad. dipl. in Ophthalmic Med. and Surg.; Dipl. in Foreign Affairs.

FEES. *Tuition*: Inter. (Arts, Sci., Comm.), Rs. 9 p.m.; B.A., B.Sc., B.Ed. or B.Com., Rs. 12 p.m.; M.A., M.Sc., LL.B. or M.Ed., Rs. 15 p.m.; M.A. and LL.B. (combined), Rs. 22 p.m.; Ph.D. (Arts or Sci.), Rs. 20 p.m.; B.Sc.Engg., Rs. 30 p.m.; Dip.Engg., Rs. 10 p.m.; B.U.M.S. (Tibbia), Rs. 15 p.m.; Dipl. in Ophthalmol., Rs. 25 p.m.; Dipl. in Foreign Affairs, Rs. 50 p.a. No tuition fee in Fac. of Theol.

*Examination*: High Sch., Rs. 20; Inter. Pt. I, Rs. 5; Inter. Pt. II, Rs. 30; B.A., or B.Sc. Pt. I (one subject), Rs. 4; B.A., or B.Sc. Pt. I (more than one subject), Rs. 7; B.A., or B.Sc. Pt. II, Rs. 40; B.Com. (Previous), Rs. 20; B.Com. (Final), Rs. 25; M.A. or M.Sc. (Previous), Rs. 25; M.A. or M.Sc. (Final), Rs. 35; LL.B. (Previous), Rs. 25; LL.B. (Final), Rs. 40; LL.M., Rs. 150; B.Ed., Rs. 30; M.Ed., Rs. 35; Ph.D. or LL.D., Rs. 100; B.Sc. (Engineering) I & II Yr., Rs. 25; B.Sc. (Engineering) III Yr., Rs. 35; Diploma (Engineering) I Yr., Rs. 15; Diploma (Engineering) II Yr., Rs. 20; Diploma (Engineering) III Yr., Rs. 25; B.U.M.S. (Tibbia) I Professional, Rs. 10; B.U.M.S. (Tibbia) II Professional, Rs. 15; B.U.M.S. (Tibbia) III Professional, Rs. 14; Diploma in Ophthalmol., Rs. 100; Diploma in Foreign Affairs, Rs. 17; Diploma in Foreign Affairs (Proficiency test), Rs. 10.

PUBLICATIONS. *Calendar* (published regularly); *Prospectus*; *University Magazine* (English and Urdu); *M.U. Gazette.*

## THE YEAR 1951–52

STUDENT NUMBERS. Total, 2925.

DEGREES (1951). M.A., 127; B.A., 120; B.Com., 37; B.T., 49; LL.B., 73; M.Sc., 60; B.Sc. (Hons.), 1; B.Sc. (Pass), 164; B.U.T.S., 8; B.Sc. (Engg.), Electr., Mech. and Civil, 48; B.Th. 1.

# UNIVERSITY OF ALLAHABAD*

Founded 1887

*Postal Address*: Allahabad 2, Uttar Pradesh, India.
*Telephone*: Allahabad 2219.

CHANCELLOR—K. M. MUNSHI.

VICE-CHANCELLOR—Professor A. C. BANERJI, M.A., M.Sc., F.R.A.S.

TREASURER—K. L. MISRA, M.A., LL.B.

REGISTRAR—K. L. GOVIL, M.A.

ASSISTANT REGISTRAR (ADMIN.)—I. D. CALED, M.Sc., D.Phil.

ASSISTANT REGISTRAR (ACCOUNTS)—K. P. MOHILEY, M.A.

PROCTOR—Lt-Col. S. G. TEWARI, M.A.

LIBRARIAN—Professor B. P. SAKSENA, M.A., Ph.D.

## TEACHING STAFF

*Arabic and Persian*

..... Prof.
Hasan, S., M.A., D.Litt. Reader.

*Botany*

Ranjan, S., D.Sc. Prof.

Readers
Saksena, R. K., D.Sc.
Srivastava, G. D., M.Sc.
Tandon, R. N., M.Sc., Ph.D. Lond.
Naithani, S. P., M.Sc., Ph.D. Lond.
Mittra, A. K., M.Sc., Ph.D. Lond.

*Chemistry*

Ghosh, S., D.Sc. Prof.

Readers
Taimni, I. K., M.Sc., Ph.D.
Mehrotra, M. R., M.Sc.
Tewari, J. D., D.Sc.
Kaul, Major R. K., M.Sc.
Prakash, S., D.Sc.

*Chinese*

Pachow, W., Ph.D. Lectr.

*Commerce*

Ghosh, M. K., M.A., B.Com. Lond. Prof.
Agrawala, A. N. Reader.
Elhance, D. N., M.Com. Reader.

*Economics*

Mehta, J. K., M.A. Prof.

Readers
Karwal, G. D., M.A.
Jain, P. C., M.A., M.Sc.
Dubey, D. S., M.A., LL.B.
Thomas, S. M. M., M.A.

*Education*

Naidu, P. S., M.A. Reader.

*English*

Deb, S. C., M.A. Prof.
Dustoor, P. E., M.A., D.Litt. Prof.

Readers
Mehrotra, K. K., M.A., B.Litt. Oxon.
Gupta, L. D., M.A.

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

Simlai, B., M.A.
Sahai, R., M.A.

*French and German*

Benoit, F. Lectr.
Mittra, A. K., M.Sc., Ph.D. Lond. Lectr.

*Geography*

Dubey, R. N., M.A., D.Litt. Paris Prof.
..... Reader.

*Hindi*

Varma, D., M.A., D.Litt. Prof.

Readers

Varma, R. K., M.A., D.Phil.
Gupta, M. P., D.Phil.
Tripathi, C., M.A.

*History*

Saksena, B. P., M.A., Ph.D. Prof.

Readers

Bhatnagar, O. P., M.A.
Sharma, G. R., M.A.
Mittra, S. K., M.A.

*Law*

Bhattacharya, K. K., M.A., LL.M. Lond. Prof.

Readers

Sastry, K. R. R., M.A., M.L. Madr.
Sapru, T. N., B.A., LL.B.
Singh, G. P., LL.M., Offg.

*Mathematics*

Srivastava, P. L., M.A., D.Phil. Oxon. Prof.

Readers

Prasad, G., D.Sc. Edin.
Prasad, B. N., Ph.D., D.Sc. Paris.
Mohan, P., M.Sc.
Choudhuri, R. N., B.Sc.

*Military Science*

Tewari, Lt.-Col. S. G., M.A. Reader.

*Music*

Kochak, U. S., M.Sc. Lectr.

*Philosophy*

..... Prof.
Kaul, R. N., M.A. Reader.

*Physics*

Banerji, K., D.Sc. Prof.
Deodhar, G. B., D.Sc. Offg. Prof.
Majumdar, K., D.Sc. Reader.
Das, B. C., M.Sc. Reader.

*Political Science*

Prasad, I., M.A., D.Litt. Prof.
Lal, A. B., M.A. Reader.

*Russian*

Sen-Gupta, S. C. Lectr.

*Sanskrit*

Saksena, B. R., M.A., D.Litt. Prof.
Chattopadhya, K., M.A. Reader.
Mishra, U., M.A., D.Litt. Reader.

*Urdu*

Ali, S. M. Z., M.A. Prof.
Husain, S. A., M.A., D.Litt. Reader.

*Zoology*

Mehra, H. R., Ph.D. Camb. Prof.

Readers

Verma, S. C., M.Sc., LL.B.
Datta, S. K., D.Sc.
Srivastava, M. D. L., D.Sc.

## ADMINISTRATIVE AND OTHER STAFF

Supt. of Physical Educn.: H. K. Mukerji. Sr. Medical Officer: P. G. Ghosh, M.B., B.S. Jr. Medical Officer: R. Chandra, M.B., B.S. Chairman of Delegacy: G. D. Karwal, M.A. Sec., Student Advisory Cttee.: O. P. Bhatnagar, M.A.

## COLLEGES OF THE UNIVERSITY

ALLAHABAD, *Agricultural Institute*, Naini. (*Telephone*: Allahabad 2420.) B.Sc. (Ag.); B.Sc. (Ag. Engg.). Principal—H. S. Azariah, M.A. 20 teachers.

ALLAHABAD, *Choudhury Mahadeo Prasad Degree College*. B.Sc. Principal—D. R. Bhattacharya, Ph.D. Dub., D.Sc. Paris. 13 teachers.

ALLAHABAD, *Ewing Christian College*. (*Telephone*: Allahabad 2626.) B.Sc. Principal—S. S. Gideon, M.A., Ed.D. Col. 11 teachers.

ALLAHABAD, *Kayastha Pathsala University College*. B.A. Principal—R. K. Saksena, D.Sc. Paris. 11 tutors.

ALLAHABAD, *Madan Mohan Malaviya College*. B.A. Actg. Principal—D. P. Shukla, B.A. 10 tutors.

ALLAHABAD, *William Holland University College* (American Presbyterian Mission). B.A. Principal—C. M. Chatterji, M.A., Ph.D. Penn. 6 tutors.

## GENERAL INFORMATION

Founded in 1887, the Univ. concerned itself mainly with examinations, having no teaching staff (except that of its School of Law) until 1914. Thereafter it established Chairs and Readerships, etc., for research work in Economics and Modern History for graduate students. In Jan. 1922 was passed an Act (which came into operation in July 1922) for the reorganization of the Univ. as a unitary, teaching and residential institution, with control, however, over the quality and character of the teaching in "Associated" colleges. The Muir Central College became the nucleus of a teaching University, the jurisdiction of which was limited to a territorial area of ten miles' radius from the Convocation Hall of the Univ. Within this area there are six institutions which supplement instruction given in the Univ. The Women's Dept., which undertakes full instruction for the degree course, has now been transferred from the Crosthwaite Girls' College to the Univ. area. From 1922, the Agricultural Institute, Naini, was recognized as a Coll. for the B.Sc. degree in Agriculture. From 1950, the C.M.P. Degree Coll. and the Ewing Christian Coll. were recognized as colls. for B.Sc. classes.

LIBRARY, 151,970 vols. Darbhanga Reading Hall. There are also departmental libraries for the use of teachers. A LABORATORY is attached to each of the Depts. of Physics, Chem., Bot., Zool. MUSEUMS in connexion with Econ. and Com. Depts. ART COLLECTION: A beginning has been made with a project for an Art Gallery. D. N. Bonarjee of Gola Gokarnnath and others have presented valuable paintings.

English is the usual language of instruction. From July 1951, however, as an optional and experimental measure, Hindi has been introduced in some of the undergrad. classes.

FACULTIES AND DEANS. *Arts*, Prof. B. R. Saksena; *Commerce*, Prof. J. K. Mehta; *Law*, Prof. K. K. Bhattacharya; *Science*, Prof. S. Ranjan.

DEGREES. B.A., B.A. (Home Arts), M.A., D.Phil., D.Litt., M.Ed., B.Sc., B.Sc. (Home Sciences), B.Sc. (Ag.), B.Sc. (Ag. Engg.), M.Sc., D.Phil., D.Sc.; LL.B., LL.M., LL.D.; D.Litt. (Econ.); B.Com., M.Com.

The courses of study for Bachelor's degrees cover 2 yrs., following examn. of "Intermediate" standard, equivalent to examn. for Overseas Higher School

Certif. awarded by the Univ. of Cambridge Local Examns. Syndicate. Inter. examns. of other Univs. incorporated by law in India and Inter. examns. of Mysore Univ., of Bd. of High Sch. and Inter. Educn., Rajputana (incl. Ajmer-Merwara, Central India and Gwalior), are recognized for same purpose. Inter. Examn. in Agric. of Nagpur Univ. so recognized for admission to the B.Sc. Agric. Class, and Prelim. Examn. of Mayo College, Ajmer, recognized as equivalent to Inter. Examn. of U.P. Board. Grads. in Agric. are eligible for admission to Law Classes.

For admission to courses leading to higher degrees the B.A. and B.Sc. degrees of 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.

DIPLOMAS AND CERTIFICATES. Indian Music ; Sanskrit ; French ; German ; Russian ; Chinese ; Painting ; Photography ; Local Self-Government Administration ; Social Service and Village Uplift ; Appl. Arts and Crafts (for girls only).

STUDENT RESIDENCES. Hostels under the control of the Univ.: Sir Pramada Charan Banerjî Hostel (accommodates 167 students), Warden—Sri Ranjan, D.Sc. ; Sir Sunder Lal Hostel (167 students), Warden—Prof. M. K. Ghosh, M.A., B.Com. ; Dr. Amaranatha Jha Hostel (110 students), Warden—K. K. Mehrotra, M.A., B.Litt. ; Sir Ganganatha Jha Hostel (183 students), Warden—Prof. A. C. Banerji, M.A., M.Sc. ; The Diamond Jubilee Hostel (140 students), Warden—D. Varma, M.A., D.Litt. ; Sarojini Naidu (Women's) Hostel (130 women students), Supt.—Miss C. Tripathi, M.A. (*Telephone* : 2362).

Hostels and Colleges recognized by the Univ.: William Holland Univ. Coll. (192 students), Principal—C. M. Chatterji, M.A., Ph.D. ; Kayastha Pathshala Univ. Coll. (154 students), Principal—R. K. Saksena, D.Sc. ; Madan Mohan Malaviya Coll. (275 students), Acting Principal—D. P. Shukla, B.A. ; Mohammedan Boarding House (104 students), Warden—M. G. Z. Ahmad, M.A., Ph.D. ; Sumerchand Digambar Jain Hostel (59 students), Warden—L. M. Banerji, B.Sc., LL.B. ; Ewing Christian Coll. (183 students), Principal—S. S. Gideon, M.A., Ed.D. ; Chaudhury M.P. Degree Coll. (178 students), Principal—D. R. Bhattacharya, Ph.D., D.Sc. ; Iswar Saran Univ. Hostel (39 students), Warden—G. Mehrotra, M.A., LL.B. Fees: Single room, Rs. 10 ; Double, Rs. 8·8 ; Triple, Rs. 7.

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 lectrs. sanctioned for the purpose is 17. At present the Univ. has not made similar arrangements for postgrad. or sci. students. B.A. (Home Arts) and B.Sc. (Home Sciences) courses for women began in 1948.

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 1951–52

BENEFACTIONS. Rs. 54,854.

NEW BUILDINGS. Union Bldg. extension ; Delegacy Bldg. ; J. K. Institute Bldg.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 5194 |
| Women | .. | 546 |
| Total | .. | 5740* |

DEGREES. B.A. (Pass), 718; M.A., 386; D.Phil., 17; B.Com. (Pt. II), 119; M.Com., 69; LL.B., 262; B.Sc. (Pass), 323; M.Sc., 117; B.Sc. (Agr.), 60; B.Sc. (Agr. Engg.), 4; M.Ed., 20; B.A. (Home Arts), 4; B.Sc. (Home Sciences), 2; LL.M., 1; D.Litt., 2.

* Excluding 783 students attending Certif. classes.

# ANDHRA UNIVERSITY*

Founded 1926

*Postal Address*: Waltair, Andhra State, South India.
*Telegrams*: University, Waltair.
*Telephone*: Waltair 8.

CHANCELLOR—H.E. SHRI SRI PRAKASA.

PRO-CHANCELLOR—B. GOPALA REDDI.

VICE-CHANCELLOR—V. S. KRISHNA, B.A. Oxon., Ph.D. Vienna.

REGISTRAR—K. V. GOPALASWAMY, M.A. Oxon.

DEPUTY REGISTRAR—V. NAGARAJA RAO, B.A.

UNIVERSITY ORATORS—English, Professor K. R. SRINIVASA IYENGAR, M.A., D.Litt.; Telugu, N. R. APPARAO BAHADUR, M.A.

HON. LEGAL ADVISER—L. SUBBA RAU, B.A., B.L.

PRINCIPAL OF THE UNIVERSITY COLLEGES—Professor K. RANGADHAMA RAO, M.A., D.Sc. Madr., D.Sc. Lond.

LIBRARIAN—A. RAMAKRISHNA RAO, B.A., F.L.A.

## TEACHING STAFF

### UNIVERSITY COLLEGE OF ARTS AND COMMERCE

*Commerce*

Das, K. K., B.Com. Lond. Hd. of Dept. and Prof.
Datta, H. K., M.A. (Com.) Reader.
Ramanadham, V. V., M.Com. Reader.
Seetharamayya, M., M.A. (Com.) Lectr.
Hanumantha Rao, K. S., B.Com. Lectr.
Rao, C. P., F.C.A. Pt.-time Lectr.
Reddi, G. S. (Hindi) Pandit.

*Economics and Sociology*

Gopal, M. H., M.A., Ph.D. Lond. Hd. of Dept. and Prof.
Sarveswara Rao, B., M.A. Lectr.
Jagannadham, V., M.A., M.Litt., B.L. Lectr.
Subrahrmanya Sastry, K. V., B.A. Actg. Lectr.
Ramana, D. V., B.A. Lectr.

*English*

Srinivasa Iyengar, K. R., M.A., D. Litt. Hd. of Dept. and Prof.
Muthuswamy, B., B.A. Reader.
Subba Rao, G., M.A., M.Litt. Reader.
Viswanadham, K., M.A. Lectr.
Raghavacharyulu, D. V. K., B.A. Lectr.

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

Ila Sen, Miss, B.A. Lectr.

*French and German*

Krishnamachari, S. T., B.A., B.L. Hd. of Dept. of Mod. European Langs. (other than Engl.) and Reader.

*History and Politics*

Venket Rao, G., M.A., LL.B. Hd. of Dept. and Prof.
Srinivasan, N., M.A., B.Sc. (Econ.) Lond. Prof.
Ramachandriah, O., M.A., Ph.D. Reader.
Sambasiva Rao, K., B.A. Lectr.

*Mathematics*

Ramaswamy, V., B.A., Ph.D. Camb. Hd. of Dept. and Prof.
Lakshmanamurty, M., M.A. Reader.
Rama Sarma, B. U., B.A. Lectr.
Subrahmanyam, N. 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.

*Statistics*

Nagabhushanam, K., M.A., Fil. Lic., D.Fil. Hd. of Dept. and Prof.
Narasimham, N. V. A., B.A. Lectr.
Avadhani, T. V., B.A. Lectr.
Krishnamurty, V., M.Sc. Comp. Asst.
Dasaradharama Rao, K., M.Sc. Comp. Asst.

*Telugu*

Somayaji, G. J., M.A., L.T. Vidvan P.O.L. Hd. of Dept. and Prof.
Narasimham, K. V. R., M.A., Ph.D. Lectr.
Krishnamurty, Bh., M.A. Lectr.
Sastri, D. V., Vidvan Pandit.

## Jeypore Vikrama Deo College of Science and Technology

*Applied Physics*

Krishnaswami Chetti, S. T., M.A. Reader, Hd. of Dept.
Yerrayya Pantulu, V., M.Sc. Lectr.
Kameswara Rao, T. V., M.Sc. Lectr.

*Chemistry*

Gopala Rao, G., D.Sc. Hd. of Dept. and Prof.
Raghava Rao, Bh. S. V., M.Sc., Ph.D. Lond. Prof.
Ramachandra Rao, L., D.Sc. Lectr.
Venkateswarlu, V., D.Sc. Lectr.
Rajagopalan, S., M.Sc. Lectr.
Narasimha Sastri, M.D.Sc. Lectr.

*Geophysics*

Savur, S. R., M.A., Ph.D. Lond. Hd. of Dept. and Prof.
Rama Rao, B S., D.Sc. Reader.
Subrahmanyam, V. P., M.Sc. (Meteorol.) Lectr.
Janakiramayya, B., M.Sc. Lectr.
Ramamurti, K. S., M.Sc. (Meteorol.) Lectr.
Suryanarayana Rao, K., M.Sc. Lectr.

*Pharmacy*, v. p. 1193

*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.

Lecturers

Ramachandra Rao, B., D.Sc.
Narayana Rao, D. A. A. S., M.Sc.
Krishnamurti, Bh., M.Sc.

Rama Krishna Rao, V., D.Sc.

*Physics, Mathematical*

Meenakshi Sundaram, S., M.A., D.Sc. Hd. of Dept., Prof.
Venkatarayuda, T., M.A., Ph.D. Reader.

Lecturers

Rao, P. S., D.Sc.
Krishnamurti, T. S. G., M.Sc.
Sangameswara Rao, M.Sc.
Ramamurty, S., M.Sc.
Subramaniam, B., M.Sc.

*Technology*

Venkata Rao, C., M.Sc., D.I.C. Hd. of Dept. and Prof.
Sitapati Rao, D., B.A., B.Sc. (Engg.) Reader.
Dasa Rao, C. J., B.Sc. (Ag.), M.Sc. (Tech.) Reader.
Narasinga Rao, M., D.Sc. Reader.

Lecturers

Venkateswarlu, A., M.Sc.
Narasimhamurty, G. S. R., M.Sc.
Raghavacharya, M. V., M.Sc.
Satyanarayanamurty, R., M.Sc.
Subba Rao, V., M.Sc.

*Pharmacy*

Ramgaswamy, S., M.A., Ph.D. Hd. of Dept. and Prof.

Lecturers

Subba Rao, V., M.Sc.
Subrahmanyam, S. S., D.Sc.
Viswanadham, N., M.Sc.
Ramasastri, B. V., M.Sc.
Sambamurti, K., M.Sc.

## Erskine College of Natural Sciences

*Botany*

Venkateswarlu, J., D.Sc. Hd. of Dept., Prof.
Seshagiri, P. V. V., M.Sc. Reader.
Sundarasiva Rao, B., M.Sc. Lectr.
Vankata Rao, C., M.Sc. Lectr.
Sree Ramulu, T., M.Sc. Lectr.

*Geology*

Mahadevan, C., M.A., D.Sc. Hd. of Dept., Prof.

Lecturers

Narasingo Sathapathi, M.Sc.
Srirama Das, A., M.Sc.
Poornachandra Rao, M., M.Sc.
Bhaskara Rao, A., M.Sc.
Krishna Rao, J. S. R., M.Sc.

*Zoology*

Ganapati, P. N., D.Sc. Hd. of Dept., Reader.

Lecturers

Rao, T. S. S., M.Sc.
Dutt, S., B.Sc.
Hanumantha Rao, K., M.Sc.
Sreeramachandramurti, V., M.Sc.

## University College of Law

Raman, S. V., B.A., M.L. Hd. of Dept. and Prof.

Lecturers

Satyanarayanamurty, B., B.A., B.L.
Gopalakrishna Sastri, D., B.A., B.L.
Gupteswar, K., B.L.
Ramachandra Rao, A. S., B.Sc., B.L.

# ADMINISTRATIVE AND OTHER STAFF

Physical Education: Dir.: K. Sudardana Rao, B.A., Dip.Phys.Edn.

# CONSTITUENT HONOURS COLLEGES

Waltair, *Erskine College of Natural Sciences*. (*Telephone*: Waltair 146.) Provides instruction for B.Sc. (Hons.) in Geol., Bot. and Zool., B.Sc. (Pass) in Geol. and Zool., M.Sc. in Bot., Zool., Geol. and Geophys., M.Sc. Applied Geology.

WALTAIR, *Jeypore Vikrama Deo College of Science and Technology.* Provides B.Sc. Hons., Post-Hons. and Research courses in Phys., Chem. and Technol., B.Pharm. Degree, and Post-Hons. courses in Chem. (including Microscopy) of Foods, Drugs and Water, and in Appl. Phys., and also M.Sc. course in Geophys., Mathematical Phys., Stats. and Chem. Technol.

WALTAIR, *University College of Arts and Commerce.* Provides Pass, Hons. and Res. courses in Maths., Philos., Hist., Econ., Politics, Telugu, Engl., Comm.

WALTAIR, *University College of Law.* Provides instruction in Preliminary Law, F.L. and B.L. courses of study, and facilities for postgraduate courses in Law, viz. M.L. and D.L.

## PROFESSIONAL COLLEGES

BAPATLA, *Agricultural College.* Principal—G. Venkatanarayana.

GUNTUR, *Medical College.* Principal—Mrs. Sarah J. Souri, M.B., B.S., Ph.D., D.G.O.

GUNTUR, *St. Joseph's Training College for Women.* Principal—Sister Mary Stanislas, B.A., L.T.

KAKINADA, *Engineering College.* Principal—R. Natesan, B.E.

RAJAHMUNDRY, *Government Training College.* Principal—..... 10 other teachers.

VIZAGAPATAM. *Andhra Medical College* Principal—M. D. Ananthachari, M.D. 53 other lecturers.

## AFFILIATED COLLEGES, FIRST GRADE

BEZWADA, *S.R.R. & C.V.R. College.* Principal—M. Raghavacharyula, M.Sc. 13 other teachers.

BHIMAVARAM, *West Godavari, Bhimavaram College.* Principal—E. Lakshminatha Rao, M.A.

ELLORE, *Sir C. Ramalinga Reddy College.* Principal—D. S. Subrahmanyam, M.A., B.Ed.

GUDIVADA, *Gudivada College.* Principal—A. F. Thyagaraju, M.A., Ph.D.

GUNTUR, *Andhra Christian College.* Principal—T. S. Paulus, M.A., LL.D. 56 other teachers

GUNTUR, *Government College for Women.* Principal—Miss P. Seethammal, M.A. Oxon., L.T.

GUNTUR, *Hindu College.* Principal—V. Subba Rao, M.A. 36 other teachers.

KAKINADA, *Pithapur Rajah's College.* Principal—..... 61 other teachers.

MASULIPATAM, *Andhra Jateeya Kalasala.* Principal—S. T. G. Varadachari, M.A.

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. Punniah, M.A., B.Ed. 27 other teachers.

VISAKTAPATNAM, *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

AMALAPURAM, *Sree K.B.R. College.* Principal—P. Ramachandra Rao, M.A.

ANAKAPALLI, *A.N.A. College.* Principal S. Parthasarathy Naidu, M.A., L.T.

CHIRALA, *V.R.S. College.* Principal—T. Rama Rao, M.A., Ph.D.

KAVALI, *Kavali College.* Principal—M. Ramanuja Rao Naidu, M.A.

NARASAPUR, *Narasapur College.* Principal—Vanguri Subba Rao, M.Sc., B.Ed.

NARASARAOPET, *S.S.N. College.* Principal—I. Ranganayakulu.

NIDUBROLU, *Buchinaidu College.* Principal—Dr. I. S. Peter.

ONGOLE, *C.S.R. Sarma College.* Principal P. Ramamurthy, M.A.

SRIKAKULAM, *Govt. Arts College.* Principal—Srinathi D. Damodaram, M.A., L.T.

TENALI, *Tenali College.* Principal—S. P. Ragland, M.A., L.T.

## ORIENTAL COLLEGES

AUKIRIPALLI, *A.S.S.L.S.V.S. Patasala.* Principal.....

GUNTUR, *Saradaniketanam.* Principal—Vidwan Srimathi M. Savithri Devi.

KOVVUR, *S.V.J.V. Sanskrit College.* Principal—K. V. N. Appa Rao, M.A.

MASULIPATAM, *Narasimha Sanskrit College, Chittigudur.* Principal—S. T. G. Varadachari.

NELLORE, *Sanskrit College.* Principal—G. Hanumantha Sastry, Vidya Bhushana Vidyapravena.

PONUR, *Advanced Sanskrit College.* Principal—Ch. 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.: Srikakulam, Visaktapatnam, East Godavari, West Godavari, Kistna, Guntur and Nellore. The Act establishes five categories of colleges: "University Colleges," providing for pass and hons. or postgraduate courses for higher degrees; "First Grade Colleges," providing courses for the ordinary degrees in Arts or Science; "Second Grade Colleges," preparing for the Inter. Examn.; "Professional Colleges," providing courses in Agric., Engin. and for medical degrees, and "Oriental Colleges (Recognized)," providing courses for Oriental titles.

Among the powers of the University specified in the Act are: to promote the development of the study of Telugu, Kanarese, Urdu and Oriya, and their use as media of instruction and examination; to institute professorships and other teaching posts; to maintain colleges and hostels; to erect, equip, and maintain laboratories and libraries; to institute and provide funds for the maintenance of a publication bureau, an employment bureau, students' unions and University Extension boards. Every student of the University must reside in a hostel or under prescribed conditions.

The supreme governing body is the Senate, by which the Vice-Chancellor, a whole-time salaried officer and principal executive, is elected (for 3 years). The other principal authorities of the University are: an executive body called the Syndicate (comprising 16 members, including the Vice-Chancellor, Financial Secretary to the Local Government, and Director of Public Instruction, Madras); the Academic Council; the Faculties and the Boards of Studies.

LIBRARY. 54,527 volumes.

FACULTIES. Arts, Science, Teaching, Medicine, Commerce, Agriculture, Engineering, Law, Oriental Learning.

ADMISSION to Univ. courses is by Matriculation examn. and Secondary School leaving certificate examn. (the latter conducted by the Madras Government), or any other examn. recognized as equivalent thereto.

DEGREES. B.A., B.A. Hons.; M.A., M.A. Hons.; B.Pharm., B.Sc., B.Sc. Hons.; M.Sc., M.Sc. Hons.; B.Com., B.Com. Hons.; M.Com., M.Com. Hons.; B.L., B.Ed., M.Ed.; Ph.D.; D.Litt.; D.Sc.; M.B., B.S., L.M.S., M.D., M.S.; M.O.L.; K.P. (Hon. Directorate in Oriental Learning); B.Sc. (Agr.); B.E.; M.Sc. (Agr.), M.L., D.L.

DIPLOMAS. Titles: Vidya Praveena, Ubhayabhasha Praveena and Bhasha Praveena (each 4 yrs.' course). Certifs. of Proficiency in Oriental Learning (P.O.L.). Dipls. in French, German, Librarianship, Music and Geography.

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); *Annual Report Minutes*.

## THE YEAR 1951–52

BENEFACTIONS. Rs. 4,35,448.

CHANGES IN STATUTES AND REGULATIONS. Amendment to the Act deleting the provision regarding election to the Senate of two persons from among themselves by the landholders of the University area and increasing the

number of Chancellor's nominees from 12 to 14. Amendment to the Statutes and Regulations introducing the M.Sc. course in Applied Geology. Amendment to the Statutes constituting two new Boards of Studies, viz. Board of Studies in Pharmacy and Board of Studies in Statistics.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Dr. G. P. Gilmour, President, McMaster University, Canada.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. R. Ramanadham (Phys.)—study in U.K.; T. Venkatarayuda (Math. Phys.), res. at Harvard; C. Mahadevan (Geol.), visited Geol. centres in America; K. R. S. Iyengar, invited by British Council to U.K.

RETIREMENTS. V. K. Upadrastha (Com.); N. K. Sur (Geophys.).

HONORARY DEGREES. *D.Litt.*—Commodore R. S. Sir Krishna K. Bhavasinhji; Sri B. R. Rao; Hon. Mr. Justice P. V. Rajamannar; Sri M. Visweswarayya; Sri A. K. Ayyar; Sri L. Subbaran. *Kalaprapurna*—S. Chakravarti; S.V. Sri R. N. V. Apparao; Sri N. Venkata Rangarao.

STUDENTS NUMBERS.*

| | *Unv. Colls.* | *Affiliated Colls.* | *Oriental Colls.* |
|---|---|---|---|
| Men | 1041 | 16,976 | 308 |
| Women | 40 | 873 | 78 |
| Total | 1081 | 17,849 | 386 |

DEGREES. D.Sc., 4; M.A. (Hons.), 1; M.Sc., 28; M.D., 1; M.S., 1; M.B., B.S., 52; B.Ed., 201; B.L., 63; B.Sc. (Agriculture), 46; B.E., 80; M.Sc., 42; B.Sc. (Hons.), 77; B.Sc., 341; M.A., 24; B.A. (Hons.), 41; B.A., 566; M.Com., 7; B.Com. (Hons.), 15; B.Com., 336.

ORIENTAL TITLES. Vidya Praveena, 15; Bhasha Praveena, 40.

* All students are full-time.

[*Information compiled as at* 30/6/53.]

# ANNAMALAI UNIVERSITY*

Founded 1928; incorporated 1929

*Postal Address*: Annamalainagar, Madras State, South India.
*Telegraphic Address*: University, Annamalainagar.
*Trunk Telephone*: CDM. 49.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR AND FOUNDER—RAJAH SIR M. A. MUTHIAH CHETTIAR OF CHETTINAD, B.A.

VICE-CHANCELLOR—Sir C. P. RAMASWAMI AIYAR, K.C.S.I., K.C.I.E., LL.D.

REGISTRAR—T. D. MEENAKCHISUNDARAM, B.A., B.L. (Offg.).

BURSAR—K. P. KANDASWAMI PILLAI.

DEPUTY REGISTRAR—S. RAMACHANDRA AIYAR, B.A. (Offg.).

LIBRARIAN—K. NATARAJAN, B.A.

## TEACHING STAFF

*Agriculture*

Krishnamurthi, S., B.Sc. (Ag.), M.Sc. Calif., Ph.D. Mich. Prof.
Sambandam, C. N., B.Sc. (Ag.) Lectr.
Chandrasekaran, B.Sc. (Ag.) Lectr.

*Botany*

Singh, T. C. N., D.Sc. Prof.
Prasanna Varma, R., M.A., Ph.D. Assoc. Prof.
Rangaswami Ayyangar, K., M.Sc. Lectr.
Subba Rao, N. S., M.Sc. Lectr.
Devi, Miss Padmini Lectr.
Srinivasan, C., B.Sc. Demr.
Kunjamma, M. Demr.

*Chemistry*

Baliah, V., M.Sc., Ph.D. Stanford Prof.
Suryanarayana, C. V., M.Sc., D.Phil. Assoc. Prof.

Lecturers

Krishnamurti, S., M.A., M.Sc.
Ramanujam, V. V., M.A.
Shanmuganathan, S., M.A., M.Sc.
Ramaswami, P., M.A.
Gopalakrishnan, V., M.A., M.Sc.
Somasundaram, K. M., B.Sc.
Thiruvenkatachari, V., M.Sc.
Ekambaram, A., B.Sc. Demr.
Govindarajan, T. S., B.Sc. Demr.
Sambasivan, S., B.Sc.
Thiagarajan, R., B.Sc.

*Economics*

Ramakrishna Ayyar, V. G., M.A. Prof.
Muniswami, M. K., M.A., B.L. Assoc. Prof.

Lecturers

Ramaswami, A., M.A., M.Litt.
Subbiah, A., M.A.
Anantaraman, B.A.
Balasubramanian, M., M.A.

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

*Education*

Ramanujachari, R., M.A. Prof.
Ramachandran, J., B.A., L.T., M.Ed. Lectr.

*Engineering*, v. *infra*

*English*

Duraiswamy, M. S., M.A. Prof.
Subrahmanya Ayyar, A. C., M.A. Assoc. Prof.
Myleru, C. R., M.A.

Lecturers

Sethuraman, V. S., M.A.
Gopalakrishnan, G., M.A.
Sitaraman, M. V., B.A.
Subrahmanyan, S., B.A.
Satchidanandam, V., B.A.
Venkatanna, G., B.A.
Sitaramiah, K. B., M.A.

Tutors

Saroja, Mrs. K., B.Sc.
Seshadri, N. R., B.A.

*French*

Thangavelu Pillai, P. P., B.A., B.L. Lectr.

*Geology*

Muthuswami, T. N. Prof.
Rajagopalan, N., M.Sc. Lectr.

*History and Politics*

Sathianatha Ayyar, R., M.A. Prof.
Krishnaswami, A., M.A., L.T. Assoc. Prof.

Lecturers

Srivirarayan Raja, P. K., M.A., M.Litt.
Balasubramanyan, D., M.A.
Tirugnanasambandam, S., M.A. Lectr.
Govindaswami, M. S., B.A.

*Malayalam*

Kochukrishna Kurup, K., Vidvan Lectr.

*Mathematics*

Ganapati Ayyar, V., M.A., D.Sc. Prof.

Lecturers

Krishnamurti, V. S., M.A.
Ganesan, N., B.A.
Sankaranarayanan, G., M.Sc.
Gopalan, N., B.A.
Padmanabhan, K. S., B.A.
Bhaskaran, P., B.A.
Rangachari, S., B.A.
Padma, Miss, M.A., Ph.D.

*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).
Sundaresan, T. P. (Thevaram).
Vaidyalingam Pillai, P. (Vocal).
Gowri Kumari, Vina G.
Rajagopal Pillai, M. S. (Vocal).
Ramadoss Rao (Mridangam).

*Philosophy*

..... Prof.

Lecturers

Jesudas, D. I., M.A., M.Litt.
Ramalingam, C., M.A.
Oliver, A., M.A.

*Physical Education*

..... Prof. and Dir.

Assistants

Aiyaru, C.
Sabapathi, V., B.Sc.
Venkataramanan, E., B.Sc.
Kalyanasundarammal, Mrs. C.
Sethumadhana, R., B.Sc.

*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.

Demonstrators

Govindarajan, M. S., B.Sc. (on leave).
Kodivanam, R., B.Sc.
Jayaraman, T., B.Sc.

*Rural, Civic and Social Welfare*

Cornelius, Miss M., M.A., Ph.D. Assoc. Prof.

*Sanskrit*

Venkateswaran, C. S., M.A., Ph.D., Siromani Prof.

Lecturers

Sivaramakrishna Sastriar, K. A., Siromani.
Panchapagesa Sastriar, P., M.O.L., Siromani.
Subrahmanya Sastriar, V., Siromani.
Srinivasachari, K., Siromani.
Guruswami Sastriar, R., Siromani.
Seshadri Acharya, V. K., B.O.L., M.A., Vidvan, Siromani.
Natarajan, M. R., M.A.

*Tamil, Arts and Science*

Chidambaranatha Chettiar, A., M.A., Ph.D. Prof.

Tutors

Varadaraja, A. E. S., B.A.
Ramaswami, A., M.A.
John, Miss L. R., M.A.
Minakshisundaram, K., B.A.
Ramalingam, N.
Vaithilingam, S., B.A.
Sundaram, M., B.O.L., B.A.

*Tamil, Oriental*

Ramanathan Chettiar, L. P. Kr., Vidwan Pandita Prof.
Arunachalam Pillai, M., Vidvan.
Somasundaram Pillai, V. M., Vidvan.
Chintamani, K. N., B.O.L.
Shanmugam, M., M.A.
Muthuswami Pillai, M., Vidvan.
Palani, U., M.A.

*Tamil Research Dept.*

Subrahmanya Pillai, G., M.A., B.L., Vidvan Prof.

Lecturers

Sadasiva Pandarathar, T. V.
Vellaivaranam, K., Vidvan.
Ramanuja Iyengar, T. K.

*Urdu and Hindi*

Rasool, S. G. Lectr.

*Zoology*

Seshaiya, R. V., M.A. Prof.
Govindan, P., M.A., Ph.D. Mich. Assoc. Prof.

Lecturers

Balasubrahmanyan, T. S., M.Sc.
Sankaramurthi, Mrs. P., B.Sc.
Kalyanam, N. P., B.Sc.
Srinivasan, K., B.Sc.
Nagarajan, M. A., M.A. Demr.
Natarajan, R., B.Sc. Demr.
Seetharaman, M. A.

**Engineering and Technology**

*Civil E.*

Venkataramana Raju, P., B.E. Prof. and Hd. of Dept.
Ramaswami, G. S., M.S., C.E. Cal. Tech., 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

Sethunarayanan, R., B.E.
Suryanarayana, D., B.E.
Narasimhan, K., B.E.
Norman, C., 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.

Lecturers

Parthasarathi, G., M.A., D.I.I.Sc.
Satyamurthy, V., B.E.
Sivasubramanian, A. S., B.E.
Predyasuna Kumar, D., B.E.
Radhakrishna Chetty, P., B.E.
Sarangapani, G. Draughtsman.

*Mechanical E.*

..... 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.
Bindu Madhava Rao, B., B.Sc. (Eng.).
Narasimhamurti, P., B.E.
Muthuveerappan, V. R., B.E.
Xavier, S. Draughtsman.

*Technology*

Palaniappan, N. P., M.Sc., M.Sc. (Tech.) Manc. Prof.

Assistant Professors

Lakshmanan, S., M.Sc. (Tech.).
Adivarahan, P., B.Sc., B.Sc. (Tech.).

Lecturers

Bhimeswara Rao, P., M.Sc. (Tech.).
Ganapathy, K., B.Sc.
Alagiriswamy, V., B.Sc., B.Sc. (Tech.).
Selvarajan, N., B.E. (Chem.).
Natarajan, S., B.E.

## ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HOSTELS. Arts and Science, Prof. R. Ramanujachari; Engineering and Technology, Prof. C. Rajaram. Women's, Mrs. V. P. Kumuthavalli Ammal.

RESIDENT MEDICAL OFFICER. D. A. D. Nath, D.M. & S.

WORKSHOP SUPERINTENDENT. K. S. Ramamoorthi, B.E.

## GENERAL INFORMATION

As the result of an offer by Rajah Sir S. R. M. Annamalai Chettiar of Chettinad to transfer to a residential teaching University, if one were founded, the Sri Minakshi College for higher instruction in English, the Sri Minakshi Tamil College and the Sri Minakshi Sanskrit College which he had established and maintained, together with an endowment of 20 lakhs of rupees, the Government of Madras passed an Act in 1928 accepting the offer and providing for the establishment of the Annamalai University. Government also provided 27 lakhs of rupees towards the endowment fund, a recurring grant of one and a half lakhs a year, and, subject to conditions agreed between Government and the University, a sum of seven and a half lakhs for building and equipment.

The authorities of the University under the Act are: (1) the Senate, (2) the Academic Council, (3) the Faculties, (4) the Boards of Studies, (5) the Syndicate, (6) the Finance Committee and (7) the Board of Selection. The 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; *Education*, .....; *Engineering and Technology*, Prof. P. Venkataramana Raju; *Fine Arts*, .....; *Oriental Studies*, Prof. A. Chidambaranatha Chettiar (Tamil); *Science*, Prof. T. P. Navanithakrishna.

ADMISSION. Holders of completed School Leaving Certificates under the Secondary School Leaving Certificate scheme adopted by the Govts. of Madras and the Madras States declared eligible by the Syndicate are admitted to a course of study in the Univ.

DEGREES. By examination: B.A., B.A. (Hons.); B.Sc., B.Sc. (Hons.); M.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; Dipl. in Fine Arts, comprising Painting, Archit., Sculpture, Drama and Dancing; Dipl. in Rural, Civic and Social Welfare.

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," *above*.) Students are required to live in hostels attached to the University or in approved lodgings recognized by the University. Separate Hostel with a Lady Warden for Women Students.

HEALTH. A Dispensary with an isolation ward is maintained for the benefit of students and staff.

GENERAL COUNCIL OF ASSOCIATIONS. Membership open to all students on payment of a fee.

RESEARCH. Studentships tenable 2 yrs., value Rs. 50 p.m. Fellowship tenable in India and abroad, value Rs. 125 p.m.

PUBLICATIONS. *Calendar* (once in three yrs.), Rs. 5½; *Annual Report* (April); *University Journal* (Annual), Rs. 7·8; *Students' Handbook* (July), R. 1; *Students' Magazine* (March), Rs. 1·8.

## THE YEAR 1951–52

NEW BUILDINGS. Parents' Lodge, Battery Room, Temporary Hostel Block, Additional Guest Quarters, New Hostel for Engineering students.

NEW FACULTIES. Fac. of Educn., providing instruction in course leading to B.Ed.; Fac. of Fine Arts, providing instruction in courses leading to Dipl. in Painting, Archit., Sculpture, Drama and Dancing.

OTHER DEVELOPMENT. To co-ordinate postgraduate studies and research, a Council of Postgraduate Studies and Research has been constituted.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 1704 |
| Women | .. | 121 |
| Total | .. | 1825 |

DEGREES, ETC. M.A., 40; B.A. Hons., 57; B.A., 22; M.Sc., 6; B.Sc. Hons., 35; B.Sc., 27; B.E., 58; B.E. (Chem.), 19; Pulavar, 15; Vidvan, 1; Siromani, 1; Sangita Bushana, 6.

[*Information compiled as at* 20/6/53.]

# BANARAS HINDU UNIVERSITY*

Founded 1916

*Postal Address*: Banaras 5, Uttar Pradesh, India.
*Telegrams*: University, Banaras.
*Telephone*: 939.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHIEF RECTOR—H.E. THE GOVERNOR OF THE STATE OF UTTAR PRADESH.

CHANCELLOR—Lt.-Genl. H.H. THE MAHARAJA SIR GEORGE JIVAJI RAO SCINDIA, G.C.S.I., G.C.I.E., of Gwalior.

PRO-CHANCELLOR—Brig. H H. THE MAHARAJA SIR BHIM SINGHJI BAHADUR, K.C.S.I., OF KOTAH, UPARAJPRAMUKH OF RAJASTHAN.

VICE-CHANCELLOR—Dr. ACHARYA NARENDRA DEVA.

PRO-VICE-CHANCELLOR—Professor V. V. NARLIKAR, B.Sc. Bom., M.A. Camb., F.R.A.S., F.N.I.

TREASURER—JYOTI BHUSHAN GUPTA.

REGISTRAR—A. B. MISRA, D.Sc. Luck., D.Phil. Oxon., F.R.E.S.

ACTING LIBRARIAN—D. SUBRAMANIAM, M.A.

DEANS—*Arts*—Prof. V. V. NARLIKAR, B.Sc. Bom., M.A. Camb., F.R.A.S., F.N.I.; *Ayurveda*—Pdt. RAJESWAR DUTT, SHASTRI; *Law*—Prof. G. B. JOSHI, M.A., LL.M. Bom., M.A. Calc.; *Music and Fine Arts*—OMKAR NATH THAKUR; *Oriental Learning*—Pdt. RAM. VYAS JYOTISHI; *Science*—Y. BHARADWAJA, M.Sc., Ph.D. Lond., F.L.S.; *Technol.*—DAYA SWARUP, B.Sc., Ph.D. Sheff.; *Theol.*—Pdt. VISWANATH SHASTRI.

## ADMINISTRATIVE AND OTHER STAFF

Provost: B. L. Atreya, M.A., LL.B., D.Litt. Proctor: Major C. Bal, M.Sc. Chief Wardens of Hostels: De, Limbdi and Rajputana, Prof. G. C. Mukherji, M.Sc.; Dhanrajgiri, D. Swarup, B.Sc., Ph.D. Sheff.; Morvi, H. J. Arnikar, M.Sc., Ph.D.; Dr. S. Radhakrishnan, Dr. Bhagwan Das and Dr. I. N. Gurtu, S. S. Gairola, B.Sc. Eng., M.S. in C.E. Tenn.; Broacha, Major C. Bal., M.Sc.; Birla, B. L. Atreya, M.A., LL.B., D.Litt.; Ruiya, H. Ballava Shastri; Women's (Old and New), Mrs. K. G. Venkateswaran, M.A.; King Edward and Annie Besant, Prof. K. P. S. Malani, M.A.; Approved Lodges, Prof. S. C. Das Gupta, M.A. Dir., Phys. Trg.: K. C. Trigunayat, M.Sc.; Phys. Trg. Instr.: M. Roy. Chief Med. Officer: R. B. S. B. Singh; Med. Officer: G. S. Singh, M.B., B.S. Supt., Univ. Press: R. K. Das. Executive Engineer: B. Gupta, C.E. Executive Officer: B. M. Vyas, B.A., LL.B.

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

## CONSTITUENT COLLEGES OF THE UNIVERSITY

AYURVEDIC COLLEGE. Principal and Hd. of Dept. of *Surg.*—M. S. Verma, B.Sc., M.B., B.S.; Hd. of Dept. of *Ayurveda*—Pdt. R. Dutt, Shastri.

BHARATI MAHAVIDYALAYA (COLLEGE OF INDOLOGY). Actg. Principal and Hd. of Dept. of *Ancient Indian Hist. and Culture*—.....; Hd. of Dept. of *Philos. and Religion*—T. R. V. Murti, M.A., D.Litt.; Hd. of Dept. of *Art and Archit.*—V. S. Agrawala, M.A., Ph.D., D.Litt.; Prof. of *Sanskrit Lang. and Lit.*—Surya Kant, M.A., Ph.D., D.Phil.

CENTRAL HINDU COLLEGE. Principal and Hd. of Dept. of *Hist.*—R. S. Tripathi, M.A., Ph.D. Lond.; Hds. of other Depts.: *English*—C. N. Menon, M.A., Ph.D., D.Litt.; *Philos.*—B. L. Atreya, M.A., LL.B., D.Litt.; *Politics*—Prof. M. B. Lal, M.A.; *Maths.*—Prof. V. V. Narlikar, M.A. Camb.; *Econ.*—A. K. Das Gupta, M.A., Ph.D. Lond.; *Hindi*—H. P. Dwivedi, M.A., D.Litt.; *Geog.*—H. L. Chibber, Ph.D., D.Sc. Lond.; *Comm.*—Actg. Prof. J. N. Das Gupta, M.A.; *Arabic and Persian*—S. A. Hasan.

COLLEGE OF SCIENCE. Principal and Hd. of Dept. of *Chem.*—S. S. Joshi, D.Sc. Lond.; Hds. of other Depts.: *Phys.*—B. Dasannacharya, M.Sc., D.Phil. Munich; *Maths.*—Prof. V. V. Narlikar, M.A. Camb.; *Bot.*—Y. Bharadwaja, M.Sc., Ph.D. Lond., F.L.S.; *Zool.*—A. B. Misra, D.Sc., D.Phil. Oxon.; *Geol.*—R. Nath, M.Sc., Ph.D. Lond., D.I.C.; *Geog.*—H. L. Chibber, Ph.D., D.Sc. Lond.; *Spectroscopy*—R. K. Asundi, M.Sc., Ph.D. Lond.

CENTRAL HINDU COLLEGE (KAMACHHA SECTION). Principal—Prof. K. P. S. Malani, M.A.

WOMEN'S COLLEGE. Principal—Mrs. K. G. Venkateswaran, M.A.

TEACHERS' TRAINING COLLEGE. Principal (Actg.)—P. N. Rozdon, Ph.D. Edin., B.A.

COLLEGE OF TECHNOLOGY. Principal (Actg.) and Hd. of Depts. of *Indust. Chem.* and *Chem. Engin.*—G. Tripathi, S.M., M.S.E., Sc.D. Mich., M.Sc.; *Pharmaceutical Chem.*—Prof. N. K. Basu, M.Sc.; *Ceramics*—Prof. H. N. Roy; *Glass*—R. Charan, B.Sc. Sheff., D.Sc. Prague.

COLLEGE OF MINING AND METALLURGY. Principal and Hd. of Dept. of *Metall.*—D. Swarup, B.Sc., Ph.D. Sheff.; Hd. of Dept. of *Mining*—Prof. M. P. Netarwala, B.Sc. Min., M.Sc. (Geol.), M.E.M. Colorado, Sc.D. M.I.T.

ENGINEERING COLLEGE. Principal and Hd. of Dept. of *Electr. Engin.*—Prof. M. S. Gupta, B.Sc. Cal., B.Sc. Glas., C.P.E. Glas.; Hd. of Dept. of *Mech. Engin.*—Prof. B. M. Singh, B.Sc. (Eng.).

COLLEGE OF AGRICULTURE. Principal (Actg.)—A. Lal, M.Sc., Ph.D. Lond.

LAW COLLEGE. Principal—Prof. G. B. Joshi, M.A., LL.M.

KALA SANGITA BHARATI (COLLEGE OF MUSIC AND FINE ARTS). Principal—Pdt. O. N. Thakur.

SANSKRIT MAHAVIDYALAYA (COLLEGE OF ORIENTAL LEARNING AND THEOLOGY). Dir. of *Sanskrit Res.*—Pdt. G. S. Chaturvedi; Principal (Actg.) and Hd. of Dept. of *Vedanta*—Pdt. R. C. Dikshitar; Hds. of other Depts.: *Vyakarana*—Pdt. R. N. Sharma; *Nyaya*—Pdt. L. N. Jha; *Sahitya*—Pdt. M. S. Pandya; *Jyotish*—Pdt. R. V. Jyotishi; *Dharma Shastra*—Pdt. V. N. Shastri; *Sankhya Yoga*—Pdt. H. B. Shastri; *Veda*—Pdt. K. P. Misra.

## AFFILIATED LOCAL COLLEGES

D.A.V. College ; Besant College ; Vasanta College for Women ; Harish Chandra College ; Udai Pratap College.

## GENERAL INFORMATION

The University is open to persons of either sex and of whatever race, creed, caste or class. It was incorporated in 1915 ; the Central Hindu College, fully equipped, already existed, and the work of the University began in 1916. The University has since been removed to a magnificent site of 1300 acres.

The objects of the Banaras Hindu University, which is a teaching and residential University, are : (i) to promote the study of the Hindu Shastras and of Sanskrit lit. generally as a means of preserving and popularizing the best thought and culture of the Hindus ; (ii) to promote learning and res. generally in arts and science in all branches ; (iii) to advance and diffuse such scientific, technical and professional knowledge, combined with the necessary practical training, as is best calculated to help in promoting indigenous industries and in developing the material resources of the country ; (iv) to promote the building up of character in youth by making religion and ethics an integral part of education.

CONSTITUTION. The Court, the supreme governing body of the Univ., includes representatives of Depts. and Colls., of the Univ. teachers other than professors, of ex-students, donors, persons representing learned professions, industry and commerce, representatives of Parlt., of Hindu, Buddhist, Sikh and Jain culture and learning, and some nominated members. The Academic Council, the supreme academic body, includes the Vice-Chancellor, Pro-Vice-Chancellor, Univ. Profs. and Principals and Heads of Colls., Deans of Facs., the Provost, Chief Proctor, Librarian, 4 teachers of the Univ. elected from among themselves, and 6 persons, not employees of the Univ., co-opted by the Academic Council. The Executive Council and the Standing Cttee. of the Academic Council are the executive bodies of the Court and the Academic Council respectively.

LIBRARY. The library is housed in the Sayaji Rao Gaikwad Library. Total number of vols. : 198,164.

LABORATORIES, ETC. Laboratories in the following subjects are fully equipped : Chem., Phys., Bot., Zool., Geol., Geog., Agric., Ind. Chem., Ceramics, Glass Technology, Pharmaceutics, Mining, Metall. and Fuel Technol., Chem. Engin., Radio, Communication, Electr., Mech. and Civil Engin. The Engineering Coll. Labs. include a shop equipped for manufacturing machines, smith and paint shops, an iron and brass foundry and a motor-car repair shop.

An extensive botanical garden, an Ayurvedic garden and agricultural farms are maintained for the study of plants, herbs and crops.

ADMISSION. Candidates who have passed the Admission examn. or an equivalent examn. are admitted to the courses of study for the Intermediate examns. in Arts, Sci. and Comm. Candidates who have passed the Senior Oxford Local, the Senior Cambridge Local, the Final Examn. prescribed for European Schools and the Dipl. examn. in a Chief's College may also be admitted in the I.A., I.Sc. and I.Com. classes under certain conditions.

For admission to courses of B.A., B.Sc. and B.Com., candidates must have passed the I.A., I.Sc. and I.Com. examns. of this Univ. or equivalent examns. ; for admission to courses of M.A., M.Sc. and M.Com., candidates must have passed B.A., B.Sc. and B.Com. examns. of this or other recognized Universities ; for admission to LL.B. and B.Ed., minimum qualifications are

B.A., B.Sc. and B.Com.; no candidate can be admitted to the courses of LL.M. and M.Ed. unless he has passed LL.B. and B.Ed. examns.; for admission to courses for Bachelor degrees in Agric., Engin., Mining, Metall., Fuel Technol. and various courses of Technol., minimum qualification is I.Sc. or equivalent; for admission to postgrad. courses of Agric. and various subjects in Technol., minimum qualifications are B.Sc. (Agriculture) of this and other recognized Univs. and B.Sc. (Tech.) of this Univ. respectively; admission to courses of Sanskrit studies in the Facs. of Oriental Learning and Theol. is restricted to Hindus; candidates who have passed the Praveshika or an equivalent examn. are admitted to courses of Madhyama Pariksha; for higher degrees in Sanskrit, students are required to pass successive examns. of Sanskrit learning, Madhyama, Shastri, Acharya and Chakravarti; for admission to courses of Ayurvedacharya (M.B., B.S.) (5 yrs.), candidates must have passed the Admission or Praveshika examns. of this Univ. or equivalent examn., and an Ayurveda Praveshika examn. for admission to the prescribed course of studies for the degree of Ayurvedacharya (M.B., B.S.) is held.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., B.Sc. (Ind. Chem.), B.Sc. (Technology) (Glass and Ceramics), B.Pharm., B.Sc. in Appl. Sc. (Engin.), B.Sc. (Mining), B.Sc. (Metallurgy), B.Sc. (Fuel Tech.), B.Sc. (Agric.), B.Sc. (Tech.) (Chem. Engin. and Tech.), M.Sc., Ph.D., D.Sc., M.Sc. (Agric.), M.Sc. (Ind. Chem.), M.Sc. (Glass and Ceramics), M.Pharm., LL.B., LL.M., LL.D., B.Ed., M.Ed., Ph.D., D.Sc., D.Litt., A.M.S., Shastri, Chakravarti, Vachaspati, Acharya, Sangitalankar, Sangitacharya, Sangitamartand.

DIPLOMAS. Modern European Langs., Library Sci., Soap Manufacture, Metal Enamelling, Pottery and Porcelain, Music, Painting, Sculpture, Chinese, Paurohitya, Indian Philos. and Culture, Clin. Psychol. Duration of courses is generally of 1 yr.

CERTIFICATES. Statistical Methods, Spectroscopy, Hindi.

FEES. For various *dipl.* courses (p.a.): German, Rs. 20; French, Rs. 20; Chinese, Rs. 20; Japanese, Rs. 20; Soap, Rs. 180; Painting, Rs. 72; Sculpture, Rs. 72; Clin. Psychol., Rs. 80; for *Certif.* courses: Hindi, Bengali, Telugu and Gujarati, Rs. 10; Statistical Method, Rs. 20.

Fees (p.a.) for I.A., I.Com., Rs. 80; B.A. and B.Com., Rs. 110; M.A. and M.Com., Rs. 140; I.Sc., Rs. 90; B.Sc., Rs. 120; M.Sc., Rs. 145; Res., Rs. 125; I.Sc. (Eng.), Rs. 230; B.Sc. (Eng.), Rs. 250; I.Sc. (Mining), Rs. 220; B.Sc. (Mining) and B.Sc. (Metallurgy), Rs. 240; Law (Previous), Rs. 120; Law (Final), Rs. 120; LL.M., Rs. 150; Ayurveda Praveshika, Rs. 100; First Professional Ayurveda, Rs. 100; Second Professional, Rs. 100; Third Professional, Rs. 100; B.Sc. (Agric.), Rs. 180; M.Sc. (Agric.), Rs. 220; I.Sc. Glass and Ceramics, Rs. 180; B.Sc. (Glass, Ceramics and Ind. Chem.), Rs. 180; M.Sc. (Glass, Ceramics and Ind. Chem.), Rs. 220; B.Pharm., Rs. 180; M.Pharm., Rs. 200; B.Sc. (Chem. Eng.) Pts. I and II, Rs. 220 each; B.Sc. (Chem. Eng.) Pts. III and IV, Rs. 240 each; Sangitapraveshika, Rs. 72; Sangita Madhyama, Rs. 96; Sangitalankar, Rs. 120; Sangitacharya, Rs. 144; Fine Arts Section, Rs. 72; Library Diploma, Rs. 90.

In the Sanskrit Mahavidyalaya no Hostel or College fee is charged.

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.

RESIDENCE AND COST OF LIVING. The Univ. Regulations require every student to reside in a Univ. Hostel, or, if he is a student of a constituent coll., in a coll. hostel, unless allowed by the Vice-Chancellor or the Pro-Vice-Chancellor to reside with his parents or guardians under prescribed conditions. The majority of students live in hostels under the supervision of the students' Residence Cttee. There are thirteen hostels on the University ground, accommodating over 3500 students, and two more in the city, accommodating over 300 students, all under the management of a Warden, Chief Wardens and the Provost. Qualified Medical Officers have been apptd. There are in addition about ten approved lodges, in which nearly 1500 students reside ; all approved lodges are also under the management of Wardens and a Chief Warden.

The *cost of living*, including tuition fees, varies from Rs. 70 to Rs. 125, according to faculty. The students of the Coll. of Oriental Learning and Theol. are charged no fees for lodging, light and service.

INTERNATIONAL HOUSE. With the inrcease in the number of foreign students in the Univ., a bungalow has been allotted for their residence. It is under the care and management of a warden, Dr. R. S. Choudhuri.

ATHLETIC ACTIVITIES. The Univ. Athletic Association organizes Univ. games and sports. Inter-Collegiate games and Univ. sports are arranged every year. Individual Colls. through their athletic assocns. provide facilities for all outdoor games, and hostels organize all indoor games.

MILITARY TRAINING. Facilities are available in the 2nd U.P. Battalion of the N.C.C. attached to the Univ.

PUBLICATIONS. *Prospectuses*, *Annual Reports*, *Scientific Research Journal* (quarterly), *University Magazine* (quarterly), *Calendar* (quinquennial).

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 7203 |
| Women | .. | 429 |
| Total | .. | 7632 |

Postgraduate students, 1204.

DEGREES. B.A., 959 ; M.A., 550 ; B.Ed., 147 ; M.Ed., 26 ; B.Sc., 832 ; M.Sc., 333 ; B.Com., 310 ; M.Com., 133 ; B.Sc. (Ind. Chem.), 64 ; M.Sc. (Ind. Chem.), 43 ; B.Sc. (Chem. Eng.), 79 ; B.Pharm., 40 ; M.Pharm., 8 ; B.Sc. (Glass), 11 ; M.Sc. (Glass Tech.), 2 ; B.Sc. (Ceramics), 8 ; M.Sc. (Ceramics), 4 ; B.Sc. (Agric.), 129 ; M.Sc. (Agric.), 47 ; B.Sc. (Min.), 70 ; B.Sc. (Met.), 99 ; B.Sc. (Fuel Tech.), 15 ; B.Sc. (Eng.), 276 ; A.M.S., 402 ; LL.B., 375 ; LL.M., 6 ; Shastri, 120 ; Acharya, 52 ; Chakravarti, 18 ; Ph.D. (in various subjects), 146.

[*Information compiled as at* 8/8/53.]

# THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA *

Founded 1949

*Postal Address* : Baroda 2, Bombay State, India.
*Telegrams* : University, Baroda.
*Telephones* : Registrar, 2224 ; General, 2721.

CHANCELLOR—HIS HIGHNESS THE MAHARAJA GAEKWAR OF BARODA.

VICE-CHANCELLOR—SHRIMATI HANSA MEHTA, B.A.

PRO-VICE-CHANCELLOR—Professor C. S. PATEL, B.A., M.Sc. Bom., Ph.D. Leeds.

REGISTRAR—B. K. ZUTSHI, M.A., LL.B.

ASSISTANT REGISTRAR—K. J. MAJMUDAR, M.A., B.T.

## TEACHING STAFF

*Archæology*

Subbarao, B., M.A., LL.B., Ph.D. Reader.

*Botany*

Phatak, V. G., D.Sc. Reader.
Chavan, A. R., B.Sc., Ph.D. Sr. Lectr.
Gaekwad, L. K., M.Sc. Jr. Lectr.

*Chemistry*

Patel, C. S., B.A., M.Sc., Ph.D. Leeds Prof.
Sethna, S. M., M.Sc., Ph.D. Reader.
Mehta, C. M., M.Sc., Ph.D. Sr. Lectr.
Dave, J. S., M.Sc. Jr. Lectr.

*Commerce*

Kolhatkar, V. Y., M.Com. Bom., M.Sc. (Econ.) Lond. Prof.
Venkatraman, K. S., M.A., Ph.D., B.L. Reader.
Chokshi, M. M., B.Com. Reader.
Dholakia, H. L., B.Com., Ph.D. Sr. Lectr.
Mahabal, S. B., M.A. Sr. Lectr.
Shah, B. G., M.Com. Sr. Lectr.
Dharma, K. M., M.A., B.Com. Jr. Lectr.

*Economics*

Chandrasekhar, S., M.A., M.Litt., Ph.D. Prof.
Malkani, H. C., M.A. Reader.
Rajan, V. S., M.A. Sr. Lectr.

*Education and Psychology*

Menon, T. K. N., B.A. Madr., M.A. Ed. Leeds, Dip.Ed. Leeds, Cert. in Ed. Berl. Prof.
Mukerji, S. N., M.A. Lond., B.T., T.D. Lond., Dip.Ed. Dub. Reader.

Senior Lecturers

Chhatre, P. K., B.A. S.T.C., Dip. Ed. Leeds.
Dalal, R. M., B.A., T.D. Lond., D.Ed.
Apte, D. G., M.A., B.T.
Patel, M. S., M.A., T.D. Lond., Ph.D.
Lele, T. P., B.Sc., Ed.B. St. And., Dip.Ed. St. And.

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Bhatt, L. J., M.A., B.T., M.A. Leeds.

Junior Lecturers

Phatak, Mrs. Pramila T., B.A., B.T., M.Ed.
Parikh, S. C., B.A., B.T., M.Ed.
Patel, A. S., M.A., B.T., M.Ed.
Shukla, N. N., B.Sc., B.T., M.Ed.
Kaul, G. N., B.A., B.T., M.Ed., Ph.D.

*English*

Readers

Wadia, S. M., M.A.
Kantak, V. Y., M.A.

Senior Lecturers

Tilak, Mrs. Kamala, M.A.
Salgaomkar, V. D., M.A., LL.B.
Shukla, C. M., M.A.

Junior Lecturers

Mahulkar, D. D., M.A.
Desai, J. D., M.A.
Joshi, Mrs. Sindhu N., M.A.

*Fine Arts*

Bhatt, M. C., G.D.Art (Painting) Bom., M.A.Art (Educn.).

Readers

Bendre, N. S., B.A., G.D.Art (Painting).
Chaudhary, N. N., B.A. Calc.

Senior Lecturers

Pancholy, B. N., D.T., G.D.Art, A.M.
Rao, U. P.

Junior Lecturers

Subramanyam, K. G.
Kapadia, K. B., G.D.Art (Sculpture).
Patel, H. R.
Joglekar, N. B.

*French*

Kalelkar, N. G., M.A. Bom., D.Litt. Jr. Lectr.

*Geography*

Janaki, Miss Vengalil A. M., B.Litt. Oxon. Sr. Lectr.

*Gujarati*

Sandesara, B. J., M.A., Ph.D. Prof.
Patel, C. S., M.A., LL.B. Sr. Lectr.
Kothari, B. P., M.A. Sr. Lectr.
Joshi, S. H., M.A. Jr. Lectr.

*Hindi*

Bhatnagar, U. S., M.A. Ban. Sr. Lectr.
Sinha, B. L., M.A., LL.B., B.T. Jr. Lectr.

*History*

Pandya, G. B., M.A. Alld., B.A. Lond. Reader.
Misra, S. C., M.A., Ph.D. Sr. Lectr.
Krishnamurti, R., M.A. Jr. Lectr.

*Home Science*

Devadas, Mrs. Rajammal P., B.Sc. Madr., M.Sc., M.A., Ph.D. Ohio State Reader.

Senior Lecturers

Karandikar, Mrs. Kumudini G., B.A. Nag., M.A. Ohio State.
Chopra, Miss Surjeet, B.Sc., Oklahoma, M.Sc. Ohio State.
Chari, Miss Padma S., B.A., B.T. Madr., M.Sc. Phil. Inst. Tech.

Junior Lecturers

Mehta, Miss Amita J., B.A. Bom., M.Ed. Mich.
Malhan, Miss Sudarshan, Dip. Home Sci.
Pandit, Miss Savitri, B.A. Madr., Dip. Home Sci.
Amma, Miss Gomati, Dip. Home Sci.
Rao, Miss Heera K., B.A. Utkal, B.A. Wash.

*Marathi*

Dandekar, V. P., M.A., Ph.D. Sr. Lectr.
Deshpande, S. V., M.A. Jr. Lectr.

*Mathematics*

Manerikar, S. D., B.A. Bom. and Camb. Reader.

Cholkar, V. B., M.Sc. Sr. Lectr.

Junior Lecturers
Shah, C. C., M.Sc.
Patel, R. C., M.Sc.

*Medicine*
de Quadros, A. N., F.R.C.S. Dean.

Professors
Bhatt, K. K., M.S. Bom.
Pathak, J. D., B.Sc., M.D. Bom.
Karandikar, G. K., M.S., Ph.D. Yale.
Mordecai, J., M.D. Bom.

*Music*
Vasu, A. S. Reader.
Shukla, S. O. Sr. Lectr.
Khokhar, M. P., B.A. Sr. Lectr.
Saxena, S. K., B.A. Jr. Lectr.

*Oriental Studies*
Bhatt, G. H., M.A.
Dir., Oriental Inst.
Pade, J. S., M.A.
Supt., Manuscript Section.
Bhusan, M. R. N. N.
Supt., Gaekwad Oriental Series.
Tripathi, Y. J., M.A., B.T., Ph.D.
Translation Asst.
Ramaswami, K. S., Shastri Mimansa Siromani
Supt., Collation Section, Ramayana Dept.

*Pali*
Joshi, V. R., M.A., B.T. Sr. Lectr.

*Persian*
Lokhandwala, M. F., M.A. Sr. Lectr.
Rehman, M. L., M.A. Jr. Lectr.

*Philosophy*
Patel, D. M., M.A. Reader.
Javdekar, A. G., M.A., Ph.D. Sr. Lectr.
Desai, B. G., M.A. Jr. Lectr.

*Physics and Meteorology*
Gogate, D. V., M.Sc., Ph.D. Reader.

Senior Lecturers
Chaudhari, K. R., M.Sc.
Varma, K. P., M.Sc.

Junior Lecturers
Sur, C. H., B.Sc.
Pandya, N. S., M.Sc.

*Politics*
Desai, K. S., M.A., LL.B. Sr. Lectr.
Kothari, S. T., M.A. Calif. Jr. Lectr.

*Sanskrit*
Bhave, S. S., M.A., LL.B., Ph.D. Reader.
Jani, A. N., M.A. Sr. Lectr.
Nachane, Miss Sulochana A., M.A. Bom. and Poona, Ph.D. Jr. Lectr.

*Social Work*
Swoboda, Miss Olive, M.S. Col. Prof.
Vakharia, Miss Parin, B.A. Bom., Ph.D. Reader.

Senior Lecturers
Malani, Miss Indra D., B.S., M.Sc. Oklahoma, M.S. Mich.
Menon, Miss Amu K., B.A., L.T. Madr., M.A.(S.S.A.).

Junior Lecturers
Singh, W. P., B.A. Agra.
Bhatt, Mrs. Perviz M., B.A. Bom.
Thomas, P. T., B.A. Madr.

*Sociology*
Srinivas, M. N., LL.B., D.Phil., M.A. Oxon. Prof.
Desai, I. P., M.A., Ph.D. Reader.

*Statistics*
Readers
Bhatt, N. M., M.Sc., Ph.D.
Bhanot, Mrs. Indira V., M.A., M.Sc.

Junior Lecturers
Patel, M. S., M.Sc.

Rajarao, B. K., M.Sc.

*Urdu*

Queraishi, M. A., M.A., B.T., M.Ed. Jr. Lectr.

*Zoology*

George, J. C., B.Sc., Ph.D. Reader.
Ranade, V. D., M.Sc. Jr. Lectr.
Shah, R. V., M.Sc. Jr. Lectr.

**Technology**

*Applied Mechanics*

Dighe, R. S., B.E. (Civil) Reader.
Malkani, J. H., B.E. (Civil) Sr. Lectr.
Makhijani, D. P., B.E. (Elec.) Jr. Lectr.

*Architecture*

Pandit, S. H., B.A. Bom. Sr. Lectr.
Thomre, K. K. Jr. Lectr.

*Civil Engineering*

Subbarao, D., B.E. (Civil) Mys. Prof.
Madan, P. J., D.C.E. Karachi, B.Sc. Edin., M.Sc. Lond. Prof.
Shah, N. A., B.E. Lond. Sr. Lectr.
Sastry, H. L., B.Sc. Mys., B.E. (Civil) Mys. Jr. Lectr.

*Electrical Engineering*

Sahgal, A. C., B.A. Panj., B.Sc. (Tech.) Manc. Prof.
Roy, S. K., B.Sc. (Eng.) Ban. Reader.
Kulkarni, P. T., B.Sc. Bom. Sr. Lectr.
Thakore, K. K., B.Sc. Bom., B.Sc. (Eng.) Ban. Sr. Lectr.

*Geology*

Merh, S. S., M.Sc. Jr. Lectr.

*Mechanical Engineering*

Shah, L. B., B.Sc. (Eng.), M.Sc. (Tech.) Manc. Reader.
Patel, K. H., B.Sc. (Eng.), M.Sc. (Tech.) Manc. Sr. Lectr.
Joshi, T. N., B.Sc. Bom., B.Sc. (Elec.), B.Sc. (Mech.) Ban. Sr. Lectr.
Shah, S. J., B.E. (Mech. & Elec.) Jr. Lectr.

*Mechanical Technology*

Dighe, S. S., B.E. (Mech.) Sr. Lectr.

Assistant Lecturers

Karamchandani, C. J., D.M.E. Karachi.
Desai, D. R.

*Science*

Shah, C. N., B.Sc. Jr. Lectr.
Parikh, N. K., B.Sc. Bom., B.Sc. (Tech.) Jr. Lectr.

*Telecommunication*

Sen, S. M., M.Sc. Dacca, D.I.I.Sc., M.S. (E.E.), Ph.D. (E.E.) Ill. Reader.

*Textile Chemistry*

Desai, R. L., B.Sc., M.Sc. (Tech.) Bom., Ph.D. Leeds Reader.
Warty, S. S., B.A., B.Sc. (Tech.) Jr. Lectr.

*Textile Technology*

Patel, B. N. Reader.
Krishnamurthy, K., D.T.T. Ind. Inst. Sci., B.Sc. (Text) Mys. Sr. Lectr.
Treasurer, C. N., D.W.T. Jr. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Univ. Engineer: N. B. Patel. Univ. Accountant: A. C. Mody. Office Supt.: B. M. Nanavaty. Capt. Commanding 6th Bombay Battalion, N.C.C., Baroda: Capt. G. S. K. Diwanji. Supt., Phys. Educn.: M. M. Upadhyaya; Phys. Instrs.: P. N. Thakore, M. V. Seshachar, H. J. Parikh; Physical Instructress: Miss P. G. Sapra. Convener, Wardens' Cttee.: C. M. Shukla. Supt., Chetan Balwadi: Miss Amita J. Mehta. Hon. Medical Officer: Dr.

G. S. Apte. Asst. Librarian, Univ. Library (on leave) : C. P. Shukla. Principal, University Experimental High School : K. S. Tagnik.

## INSTITUTIONS OF THE UNIVERSITY

INTERMEDIATE COLLEGE. Principal—S. M. Wadia.

COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS.

ORIENTAL INSTITUTE.

BARODA SANSKRIT MAHAVIDYALAYA. Principal—H. C. Mehta.

## GENERAL INFORMATION

ADMISSION. Students who have passed the Bombay Secondary Sch. Certif. examn. or Entrance, Matric. or equivalent examn., or recognized examn. of Bombay, Poona, Karnatak, Gujarat or any other Statutory Univ. that may be established in the State of Bombay, or other recognized examn. of other Indian Statutory Univs., will be admitted to the Univ. Admission to B.A. or B.Sc. course is granted only to those who have passed Inter. Examn. of this Univ. or equivalent examn. of any other Indian Univ. Admission to B.Ed. course is granted to those who have obtained Bachelor's degree in Arts, Sci. or Comm. Admission to B.E. course is granted only to those who have passed Inter. Sci. examn. with Maths. Admission to M.B., B.S. course is granted to those who have passed Inter. Sci. examn. with Biol.

FACULTIES AND DEANS. *Arts*, G. B. Pandya, Baroda Coll. Bldg., Station Road, Baroda ; *Sci.*, Prof. C. S. Patel, Golden Jubilee Science Inst., Station Road, Baroda ; *Educn. and Psychol.*, Prof. T. K. N. Menon, Station Road, Baroda (the Univ. Exper. High Sch. is attached to the Fac. for practice and experiments in teaching) ; *Comm.*, Prof. V. Y. Kolhatkar, Baroda Coll. Bldg., Station Road, Baroda ; *Med.*, Dr. A. N. de Quadros, Medical Coll., Baroda ; *Technol.* (including Engin.), Prof. D. Subbarao, Engineering Coll. Bldg., Rajmahal Road, Baroda (the Technical High Sch. is attached to the Fac.) ; *Fine Arts*, Prof. M. C. Bhatt, Pushpabag, University Road, Baroda ; *Home Sci.*, Mrs. Rajammal P. Devadas, University Road, Baroda (the Chetan Balwadi—a pre-primary sch.—is attached to the Fac. for teaching Home Econ., Child Development, etc.) ; *Soc. Work*, Miss Parin Vakharia, Camp Road, Baroda.

DEGREE COURSES. B.A. or B.Sc., 2 yrs. after Inter. Arts or Inter Sci. ; B.Com., 2 yrs. after Inter. Comm. ; Master's degree, 2 yrs. after graduation ; B.Ed., 1 yr. after graduation ; B.E., 3 yrs. after Inter. Sci. ; M.B., B.S., 5½ yrs. ; Bachelor of Science (Home) (B.Sc. (Home)), 4 yrs. after matric. ; Bachelor of Arts (Fine) (B.A. (Fine)), 4 yrs. after matric. ; Bachelor of Music (B.Mus.), 4 yrs. after matric.

DIPLOMA COURSES. Postgrad. Dipl. in Museology, 2 yrs. ; Dipls. in Teaching (T.D.), 1 yr. ; Mech. Engin. (D.M.E.), Elect. Engin. (D.E.E.), Civil Engin. (D.C.E.), Textile Chem. (D.Tech.), Kathak Dance, Dramatics, 3 yrs. ; Archit. (D.A.), Painting, Sculpture, Appl. Arts, 4 yrs. ; Vocal Music, Instrumental Music, Tabla, 5 yrs.

NEW COURSES. 4-yr. Degree course in Textile Engin., B.Text.Eng. ; 4-yr. Dipl. course in Textile Technol., D.T.T. (to replace existing Dipl. course in Weaving Technol., D.W.T.).

TERMS. 1st term, mid-June (mid-July in Fac. of Soc. Work) to mid-October; 2nd term, mid-November to mid-March (mid-April in Facs. of Med. and Soc. Work).

RESIDENCE. All students must reside in hostels maintained or managed, or in residences recognized by, the Univ., or with parents or guardians within 10 miles of the Univ. office. The Proctor and his assistants supervise students not residing in the Univ. or in recognized hostels.

ORIENTAL INSTITUTE. The inst. was transferred to the Univ. in 1949. Its Library contains about 16,000 MSS., and 14,000 printed books, in Sanskrit, Prakrit, Gujarati and Marathi.

BARODA SANSKRIT MAHAVIDYALAYA. Commenced in 1915, with a view to encouraging learning of Sanskrit and Vedic literature; transferred to the Univ. in 1951. Courses: Elementary (Pratham Kaksha); Advanced (Madhyam Kaksha); Special Pandit course (Uttam Kaksha).

## THE YEAR 1951–52

BENEFACTIONS. Trustees of Women's Educational Trust Fund, Baroda, Rs. 3 lakhs, for construction and equipment of bldg. for Home Sci. Fac., and Rs. 5000 to the Univ.; Shri Sarajirao Diamond Jubilee and Memorial Trust, Rs. 2,45,000, for the Univ., and Rs. 15,000, for Rural Health centre at Atladra run by Fac. of Soc. Work; R. and R. P. Pandya, Rs. 1500, for N. P. Pandya Memorial Prize Fund; Baroda Coll. Students' Union, Rs. 5051, for annual Independence Day Essay Prizes, and Rs. 41,152 to build Sports Pavilion and Boating House; late G. H. Purohit, Rs. 5000, for scholp. and prize for poor students of Baroda Sanskrit Mahavidyalaya.

NEW BUILDINGS. Completed during the year: Students' Hostels Nos. 1 and 2; 2 halls over Science Inst. and one hall over Inter. Coll. In progress: extension to Kala Bhavan Workshop; new bldg. for Engin. Coll.; Hydraulic and Clin. Testing Labs. for Engineering Coll.; Women's Hostel; Painting and Sculpture Studio, General Studio and Exhibition Hall, Fac. of Fine Arts; Home Sci. Fac.

NEW DEPARTMENTS AND POSTS. 2 Jr. Lectrs. in Statistics; Sr. Lectr. in Geog.; Jr. Lectr. in Sanskrit; Jr. Lectr. in Politics and Admin.; Jr. Lectr. in Zool.; Reader in Textile Technol.; Jr. Lectr. in Archit.; Jr. Lectr. in Clothing and Textiles.

PRINCIPAL CHANGES IN REGULATIONS. New courses in first yr. of Arts, Sci. and Comm. classes and in Inter. Sci.; Logic introduced in first-yr. Arts and Comm. and Inter. Comm.; Civics introduced in first-yr. Comm. and Arts; World Hist. introduced in first-yr. Arts; Geog. introduced in Inter. Arts; duration of course of B.E. (Civil, Mech. and Electr.) reduced to 3 yrs.; grade credit system adopted in Facs. of Home Sci., Fine Arts and Soc. Work; 3 yrs.' course of Technical High Sch. (including Engin.) reorganized and 4 yrs.' course introduced to enable its students to appear for S.S.C. examn. of Bombay State.

RETIREMENT. Dr. B. Bhattacharya, Dir., Oriental Inst.

RESIGNATIONS. F. R. Dotiwala (Hist.); K. D. Oza (Mech. Engin.); Miss Ranjan Sadoc (Child Development); J. N. Shivpuri (Engl.); S. Vishvanatha (Maths.); A. B. Roy (Telecommunication); Prof. S. B. Junnarkar, Dean,

Fac. of Technology), who resumed duties at Birla Vishwakarma Mahavidyalaya at Vallabh Vidyanagar.

STUDENT NUMBERS. (July 1953.) Total, 4179 (3604 men ; 575 women).

DEGREES CONFERRED (at Second Convocation, Oct. 1952). M.A., 14 ; B.A. (Special), 71 ; B.A. (General), 11 ; M.Sc., 9 ; B.Sc., 82 ; M.Ed., 20 ; B.T., 75 ; B.Com., 54 ; M.S.W., 12.

[*Information compiled as at* 30/6/53.]

# BIHAR UNIVERSITY *

Founded 1952

*Postal Address*: Patna 5, Bihar State, India.
*Telephone*: Patna 2760.

CHANCELLOR—RANGANATH RAMACHANDRA DIWAKAR, M.A., B.L.

VICE-CHANCELLOR—SYAMNANDAN SAHAYA, B.A., M.P.

TREASURER—RAMESHWAR PRASAD SINGH, B.A., B.L., M.L.C.

REGISTRAR—BISHWA MOHAN KUMAR SINHA, B.A. Lond., M.A., B.L.

FACULTIES AND DEANS—*Agric.*—R. H. RICHHARIA, Ph.D.; *Arts*—FAZLUR RAHMAN, B.A. Lond.; *Comm.*—GIRIDHAR CHAKRAVARTY, M.A.; *Engin.*—D. L. DESHPANDE, M.Sc.; *Law*—KISHORE NARAYAN, M.A., B.L.; *Med.*—B. N. BANERJI, M.B., F.R.C.S.; *Sci.*—KESHAW PRASAD SINHA, M.Sc.; *Vet. Sci.*—HANS RAJ KAPUR.

CONTROLLER OF EXAMINATIONS—AMARENDRA NARAYAN, M.Sc.

INSPECTORS OF COLLEGES—PHULDEO SAHAY VARMA, M.Sc.; BIMAN BIHARI MAJUMDAR, Ph.D., M.A.

DEPUTY REGISTRAR—PINAKPANI ROY CHOUDHURY, B.Sc.

## COLLEGES MAINTAINED BY THE UNIVERSITY

BHAGALPUR, *Tej Narayan Jubilee College.* (Postgrad. dept. only.) Provides Master's Courses in Hindi, Hist. and Maths. Principal—J. Mishra, M.A., D.Phil.; 72 other teachers.

MUZAFFARPUR, *Langat Singh College.* Provides Master's Courses and Hons. Courses in Engl., Hindi, Hist., Econ., Sansk., Philos. and Maths.; Hons. Courses in Persian, Urdu and Psychol.; B.A. Pass and also B.Sc. Pass and Hons. in Maths., Phys. and Chem. Principal—F. Rahman, B.A. Lond.; 59 other teachers.

RANCHI, *Ranchi College.* Provides Master's Courses in Hindi and Hist.; Hons. Courses in Hist., Econ., Bengali, Geog. and Hindi; B.A. Pass and B.Sc. Principal—N. K. Gour, M.A.; 49 other teachers.

## COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

### First Grade Degree Colleges

ARRAH, *Harprasad Das Jain College.* Provides Hons. Courses in Econ., Hindi and Pol. Sc.; Pass Courses in Hindi and Urdu Compositions, Sansk., Persian, Principal Hindi, Hist., Econ., Politics, Maths., Philos. and Geog.;

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

B.Com. and I.Sc. in Phys., Chem., Maths. and Biol. Principal—B. B. Mukherji, M.A. ; 56 other teachers.

AURANGABAD, *Sachchidananda Sinha College.* Provides Pass Courses in Vernacular Composition (Hindi and Urdu), Principal Hindi and Principal Urdu, Hist., Philos., Sansk., Econ. and Maths. ; B.Com. Principal—B. N. Madhava, M.A. ; 17 other teachers.

BEGUSARAI, *Ganesh Dutta College.* Provides Hons. Course in Hindi and Hist. ; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi, Hist., Pol. Sc., Sansk., Philos., Econ. and Maths. ; I.Com. Principal—Giridhar Chakravarty, M.A. ; 24 other teachers.

BHAGALPUR, *Marwari College.* Provides teaching up to B.Com. standard. Principal—Bholanath Mukherjee, M.A. ; 21 other teachers.

BHAGALPUR, *Sundarvati Mahila Mahavidyalaya.* Provides Pass Courses in Vernacular Composition (Hindi and Bengali), Principal Hindi, Principal Bengali, Sanskrit, Philos., Econ. Principal—Mrs. Sharda Devi Vedalankar, M.A. ; 11 other teachers.

BHAGALPUR, *Tej Narain Jubilee College.* Provides Hons. Courses in Engl., Hindi, Sansk., Econ., Philos., Persian, Hist. and Maths. ; B.A. Pass and B.Sc. Hons. in Bot. and Zool. and B.Sc. Pass in Phys., Chem. and Maths. Principal—J. Mishra, M.A., D.Phil. ; 72 other teachers.

BIHAR SHARIFF, *Nalanda College.* Provides Hons. Course in Hindi and Pass Courses in Vernacular Composition (Hindi and Urdu), Sansk., Pali, Principal Hindi, Hist., Econ., Pol. Sci., Maths. and Philos. ; I.Sc. in Phys., Chem. and Maths. Principal—D. P. Srivastava, M.A., B.L. ; 27 other teachers.

CHAPRA, *Rajendra College.* Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Persian, Principal Hindi and Principal Urdu, Hist., Econ., Pol. Sc., Philos. and Maths. ; B.Sc. in Phys., Chem. and Maths. ; B.Com. Principal—Manoranjan Prasad Sinha, M.A. ; 48 other teachers.

DARBHANGA, *Chandradhari Mithila College.* Provides Hons. Courses in Engl., Hindi, Urdu, Maithili and Sanskrit ; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Persian, Principal Hindi and Principal Urdu, Maithili, Hist., Econ., Philos. and Maths. ; B.Sc. in Phys., Chem., Maths., Bot. and Zool. ; B.Com. Principal—P. K. Chaudhary, M.Sc. ; 64 other teachers.

GAYA, *Gaya College.* Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Principal Hindi and Principal Urdu, Hist., Econ., Geog., Maths. and Philos. ; B.Com. and I.Sc. Principal—K. S. Varma, Ph.D. ; 52 other teachers.

HAZARIBAGH, *St. Columba's College.* Provides Hons. Courses in Engl., Econ. and Philos. ; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali) ; Sansk., Persian, Principal Hindi, Maths., Hist., Philos. and Econ. ; B.Sc. in Phys., Chem. and Maths. ; also I.Sc. Biol. Principal—A. F. Markham, M.A. Oxon. ; 23 other teachers.

KHAGARIA, *Koshi College.* Provides Pass Courses in Vernacular (Hindi and Urdu), Sansk., Principal Hindi, Persian, Hist., Philos., Maths. and Econ. ; also I.Com. Principal—S. P. Srivastava, M.A., B.Com. ; 15 other teachers.

MADHUBANI, *Ram Krishna College.* Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi, Sansk., Maithili,

Hist., Maths., Econ., Philos. and Geog.; I.Com. Principal—Arum Kumar Dutta, M.A., B.L.; 20 other teachers.

MONGHYR, *R.D. & D.J. College.* Provides Hons. Courses in Hindi, Hist. and Econ.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Persian, Principal Hindi and Urdu, Econ., Hist., Pol. Sci., Philos. and Maths.; B.Com; I.Sc. in Physics, Chemistry, Maths. and Biol. Principal—Satyendra Kumar Datta, M.A.; 45 other teachers.

MOTIHARI. *Munshi Singh College.* Provides Hons. Course in Hindi and Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi and Urdu, Philos., Hist., Econ. and Maths.; I.Sc. in Phys., Chem., Maths. and Biol. Principal—Keshaw Prasad Sinha, M.Sc.; 21 other teachers.

MUZAFFARPUR, *Darshan Das Mahila College.* Provides Pass Courses in Vernacular Composition (Hindi and Bengali), Sansk., Principal Hindi and Bengali, Hist., Econ. and Philos. Principal—Atulananda Sen, M.A.; 10 other teachers.

MUZAFFARPUR, *Ramdayalu Singh College.* Provides Pass Courses in Vernacular Composition (Hindi and Urdu), Hist., Econ., Maths., Philos., Sansk., Geog., Principal Hindi, Pol. Sci. and Maithili; B.Com. Principal—Gaya Prasad Singh, M.A.; 28 other teachers.

PURNEA, *Purnea College.* Provides Pass Courses in Vernacular Comp. (Hindi, Urdu and Bengali), Principal Hindi, Hist., Econ., Maths. and Philos.; I.Com. Principal—J. P. Jha, M.A.; 17 other teachers.

RANCHI, *Ranchi Women's College.* Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Principal Hindi and Bengali, Sansk., Econ., Dom. Sc. and Philos. Principal—Mrs. Bhanumathy Prasad, M.A.; 12 other teachers.

RANCHI, *St. Xavier's College.* Provides Hons. Courses in Engl., Hindi and Maths.; Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Latin, Principal Hindi, Hist., Econ. and Geog.; B.Sc. Hons. in Maths.; Pass Course in Phys., Chem., Geol. and Maths.; B.Com. Principal—Rev. A. Schockaert, Ph.D.; 37 other teachers.

SAMASTIPUR, *Samastipur College.* Provides Pass Courses in Vernacular Comp. (Hindi and Urdu), Sansk., Persian, Principal Hindi and Urdu, Hist., Econ., Pol. Sc., Maths. and Philos. Principal—C. S. Kesari, M.A.; 13 other teachers.

SIWAN, *D.A.V. College.* Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Persian, Principal Hindi, Principal Urdu, Hist., Econ., Pol. Sci., Philos. and Maths.; I.Com. Principal—Munishwaran-and Giri, M.A.; 17 other teachers.

### Second Grade Colleges

BARH, *Anugrah Narain Sinha College.* Principal—Suraj Prasad Singh, M.A.; 8 other teachers.

DEOGHAR, *Deoghar College.* Principal—Krishna Nandan Sahay, M.A.; 8 other teachers.

HAJIPORE, *Rajuarayan College.* Principal—Darbari Singh; 7 other teachers.

JHARIA, *Raja Shiba Prasad College.* Principal—R. C. Bhattacharyya, M.A.; 9 other teachers.

KHUSRUPUR, *Madan Mohan Malviya College.* Principal—Shivanand Prasad, M.A.; 10 other teachers.

PURULIA, *J.K. College.* Principal—B. C. Mukherjee, M.A.; 10 other teachers.

SAHIBGANJ, *Sahibganj College.* Principal—N. D. Banerji, M.A.; 7 other teachers.

SASARAM, *S.P. Jain College.* Principal—Kamleshwari Saran, M.Com.; 10 other teachers.

SITAMARHI, *S.R.K. Goenka College.* Principal—Beni Madhava Mishra, M.A.; 11 other teachers.

### Professional Colleges

BHAGALPUR, *T.N.J. College.* B.L. Course. Principal—J. Mishra, M.A., D.Phil.; 5 other teachers.

DARBHANGA, *C.M. College.* B.L. Course. Principal—P. K. Chaudhary, M.Sc.; 5 other teachers.

DARBHANGA, *Medical College.* M.B., B.S. Course. Principal—B. N. Banerji, M.B., F.R.C.S.; 32 other teachers.

MUZAFFARPUR, *S.K.J. Law College.* B.L. Course. Principal—Kishore Narayan, M.A., B.L.; 5 other teachers.

PATNA, *Bihar Veterinary College.* B.V.Sc. Course. Principal—Hans Raj Kapur; 9 other teachers.

SABOUR, *Bihar Agricultural College.* B.Sc. (Agr.) Course. Principal—R. H. Richharia, Ph.D.; 35 other teachers.

SINDRI, *Bihar Institute of Technology.* B.Sc. (Eng.) Course. Principal—D. L. Deshpande, M.Sc.; 10 other teachers.

## GENERAL INFORMATION

The University of Bihar was established Jan. 2, 1952, by the University of Bihar Act, 1951. It is an affiliating and teaching University. The Act provides for postgrad. teaching and res. in the affiliated colls. to be conducted directly by the Univ.; and teaching up to the 1st degree stage by the affiliated colls.

The Senate (about 150 to 160 members) is the supreme governing body of the Univ. and has the entire management of and superintendence over the affairs, concerns and property of the Univ. It is to be reconstituted every 3rd yr. The Syndicate (21 members) forms the executive body of the Univ. The Academic Council (31 to 35 members) is the chief academic body of the Univ.

FACULTIES AND DEANS. V. p. 1216. There are also 33 Boards of Studies.

ADMISSION. Admission to the Inter. Course in Arts, Sci. and Comm. is open to holders of certifs. of Matric. or Secondary Sch. examn. or an examn. recognized by the Academic Council as equivalent thereto.

DEGREES AND DEGREE COURSES. B.A., B.Sc. (Pass & Hons.) and B.Com., 2 yrs. after Inter.; M.A., M.Sc., M.Com. and B.L., 2 yrs. after taking Bachelor's degree; B.Sc. (Eng.), 4 yrs., B.Sc. (Agr.), 3 yrs. after Inter. Sci.; M.B., B.S., 5 yrs. after Inter. Sci.; B.V.Sc. & A.H., 4 yrs. after Secondary Sch. certif. or some other examn. equivalent thereto. The Ph.D. is awarded to M.A.s, M.Sc.s and M.Com.s by examn. after 2 yrs.' res. The D.Sc. and D.Litt. are awarded to M.A.s or M.Sc.s after 5 yrs. and to Ph.D.s after 3 yrs.

ORIENTAL STUDIES. B.O.L. and M.O.L. degrees awarded after examn.

RESIDENCE. Students not living with their parents or guardians are required to live in college hostels or approved lodgings.

NATIONAL CADET CORPS. There are 3 Bihar Battalions which provide military training for students. The 1st Bihar Battalion provides for 164 students with 3 N.C.C. officers. The 2nd Bihar Battalion and 3rd Bihar Battalion provide for 470 students each and have 10 and 9 N.C.C. officers respectively. This military training is provided in the colls.

MEDICAL INSPECTION AND PHYSICAL EDUCATION. Provision has been made for inspection by qualified Med. Officers of students in the colls. Phys. Educn. is compulsory and the colls. have on their staffs qualified Phys. Instructors. There is provision for athletics in all colls.

# UNIVERSITY OF BOMBAY*

Founded 1857

*Postal Address*: University Road, Fort, Bombay 1, India.
*Telephone*: Bombay 31079.

CHANCELLOR—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

.....

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.

*Chemistry, Colour*

Dikshit, V. K., M.S. Brooklyn, B.Sc. (Tech.) Reader.

Ghaisas, V. V., B.Sc., B.Sc. (Tech.) Demr.

*Chemistry, Inorganic and Physical*

Ghosh, B. N., Ph.D. Leeds, M.Sc. Lectr.

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.

Baichwal, R. S., B.Sc., M.Sc. (Tech.) Demr.

*Chemistry, Textile*

Nabar, G. M., Ph.D. Manc., B.A., M.Sc., M.Sc. (Tech.), F.R.I.C., F.T.I. Prof.

Sundaram, S., B.Sc., B.Sc. (Tech.) Demr.

*Civics and Politics*

Mukerji, K. P., M.A., B.L. Calc., D.Phil. Heidel. Sir Phirozeshah Mehta Prof.†

Dastur, Miss Aloo J., Ph.D. Reader in Politics.

Dwarkadas, R., M.A. Madr. Lectr. in Politics.

Mehta, Miss Usha H., M.A., Ph.D. Edwin Montague Lectr. in Politics.

*Colour Physics*

Padhye, M. R., M.Sc., Ph.D. Ban. Singhanee Lectr.

* Member of the Association of Universities of the British Commonwealth.
† Hd. of Univ. Dept.

*Dyeing and Printing*

Mhatre, S. H., Ph.D. Manc., M.Sc. (Tech.), Ph.D., F.T.I. Reader.
Sarkari, V. D., B.Sc., B.Sc. (Tech.) Tech. Asst.
Bengari, R. H., B.Sc., B.Sc. (Tech.) Demr.

*Dyeing, Experimental*

..... Lectr.

*Dyestuff Technology*

Tilak, B. D., D.Phil. Oxon., B.Sc. (Tech.), Ph.D. Prof.
Joshi, B. S., B.Sc. (Tech.), Ph.D. Demr.

*Economics*

Vakil, C. N , M.Sc. (Econ.) Lond., M.A., F.S.S. Prof.*
Lakdawala, D. T., M.A., Ph.D. Reader.

Lecturers

Samant, D. R., M.A.
Krishnamurthy, B. V., M.A., Ph.D.

*Engineering, Chemical*

Kane, G. P., Ph.D. Lond., M.Sc., D.I.C. Prof.
Shah, S. M., Ph.D. Lond., B.Sc. (Tech.), D.I.C. Singhanee Reader.
Narayan Das, B., B.Sc. Mys., M.Sc. Calc. Singhanee Lectr.
..... Singhanee Lectr.
Kamat, B. K., B.Sc., B.Sc. (Tech.) Demr.
Joshi, G. K., B.Sc., B.Sc. (Tech.) Demr.

*Engineering, General*

Joshi, M. V., B.Sc. (Tech.) Manc., B.E. (Mech. and Elect.) Reader.
Ogale, V. M. Demr.

*Food Technology*

Srinivasan, A., M.A., D.Sc. Madr., F.R.I.C., F.N.I. Reader.
Pithawala, H. R., B.Sc., B.Sc. (Tech.), Ph.D. Demr.

*Fuel Technology*

..... Singhanee Lectr.

*Mathematics, Applied*

Sen, D. K., M.Sc., Ph.D. Lectr

*Oils, Fats and Soaps*

Kane, J. G., Ph.D. Wis., M.Sc. Sir Homi Mehta Reader.
Srinivasan, B., B.Sc., B.Sc. (Tech.) Demr.
Khanpara, C. B., B.Sc., M.Sc. (Tech.).

*Pharmacy*

Baichwal, Mrs. Manik R., B.Sc., M.Sc. (Tech.) Singhanee Lectr.

*Plastics, Paints and Varnishes*

Kamath, N. R., B.Sc., B.Sc. (Tech.) Sir Homi Mehta Reader.
Vyas, S. G., M.Ch.E. Brooklyn, B.Sc. (Tech.) Lectr.
Vidwans, D. B., B.A., B.Sc., M.Sc. (Tech.) Demr.
Mankad, L. N., B.Sc., M.Sc. (Tech.) Demr.

*Sociology*

Ghurye, G. S., Ph.D. Camb., M.A. Prof.*
Kapadia, K. M., Ph.D. Reader.
Desai, A. R., Ph.D. Lectr.
Cabinetmaker, Miss Perin H., Ph.D. Lectr.

*Statistics*

Chakrabarti, M. C., M.Sc. Dacca Reader.*

Lecturers

Rao, K. S., M.A. And., Ph.D.
Kshirsagar, A. M., M.Sc.

* Hd. of Univ. Dept.

*Technical Chemistry* [Demr. Tamhankar, M. N., M.Sc.
Kedare, B. S., M.Sc., B.Sc. (Tech.)
Demonstrators *Workshop*
..... Tamhankar, D. V. Instr.

## ADMINISTRATIVE STAFF

Dep. Registrar: T. V. Chidambaran, B.A. Madr. Sec., Universities' Information Bureau: H. Remedios, M.A. Manager, Univ. Press: V. G. Moghe, B.A. Sec., Univ. Bd. of Sports: F. P. Suares, B.A. Manager, Univ. Journal: K. S. Kolge, B.A.

## CONSTITUENT INSTITUTIONS

UNIVERSITY DEPARTMENT OF CHEMICAL TECHNOLOGY, founded 1934, Matunga, Bombay 19. (*Telephone*: 61308.) Offers courses for B.Sc. (Tech.) in subjects mentioned on p. 1228, for B.Chem. Eng., and facilities for res. in Chem. and Chem. Technol. for M.Sc., M.Sc. (Tech.), Ph.D. (Sc.) and Ph.D. (Tech.). Dir.—K. Venkataraman, M.A. Madr., D.Sc., Ph.D., M.Sc.Tech. Manc., F.R.I.C., F.N.I.; 20 other Profs., Readers and Lectrs.

UNIVERSITY DEPARTMENT OF STATISTICS, founded 1948, Fort, Bombay 1. (*Telephone*: 24623.) Prepares students for M.A. and M.Sc. Examns. in Stats. and offers facilities for res. in Stats. for M.A., M.Sc. and Ph.D. Hd. of Dept.—M. C. Chakrabarti, M.Sc. Dacca; 3 Lectrs.

UNIVERSITY SCHOOL OF ECONOMICS AND SOCIOLOGY, founded 1919, Fort, Bombay 1. (*Telephone*: 24623.) Prepares students for Ph.D. and M.A. by res. and for M.A. by examn. in Econ., Pol., Sociol. Offers other facilities for res. in these subjects. Dir.—Prof. C. N. Vakil, M.Sc. (Econ.) Lond., M.A., F.S.S.; 13 other Profs., Readers and Lectrs.

## CONSTITUENT COLLEGES*

(*Note.*—The Colleges provide courses of study leading to the various degree examns. Postgraduate teaching is done and res. conducted directly through the Univ. Depts. and indirectly through recognized Univ. Teachers in constituent colls. and postgrad. instns.)

### SCIENCE COLLEGE

BOMBAY, *The Institute of Science* (Govt.), Fort. (*Telephone*: 25863.) In Science for B.Sc. Director—F. R. Bharucha, D.Sc. Montpellier, B.A., F.N.I. 7 other Profs., 5 Lectrs. and 13 Asst. Lectrs.

### ARTS AND SCIENCE COLLEGES

ANDHERI (B.S.D.), *Megji Mathradas College of Arts and Narrondass Manordass Institute of Science*, Nav, Gujarat. (*Telephone*: 86110.) Under the control of Exec. Council of the Bharatiya Vidya Bhavan. In Arts for B.A. and in Science for B.Sc. Principal—F. Correia-Afonso, M.A. Oxon., M.A., LL.B. 25 other Profs. and Lectrs.

BOMBAY, *Elphinstone College* (Govt.), Fort. (*Telephone*: 24953.) In Arts for B.A.; in Sci. to Inter. Sci. Principal—N. L. Ahmad, M.A. Alig., B.Litt.

*** A number of Colls. previously affiliated are now under the jurisdiction of the Univs. of Poona, Karnatak, Baroda and Gujarat.**

Oxon. Other Profs.: *Engl.*—L. Rodrigues, M.A.; Miss Homai J. Shroff, M.A.; M. V. Rajadhyaksha, M.A.; Mrs. Kamal Wood, M.A. Nag., B.Litt. Oxon. *French*—S. P. Taraporwala, M.A., LL.B. *Sansk.*—R. P. Kangle, M.A.; N. J. Shende, Ph.D. *Chem.*—D. C. Motivani, M.Sc. *Gujarati*—K. B. Vyas, M.A., F.R.A.S. *German*—R. V. Parajpe, D.Phil. Munich, M.A. *Physics*—Miss Maina M. Paranjpe, Ph.D. Lond., M.Sc. *Biology*—V. B. Tembe, M.Sc. *Logic and Philosophy*—J. N. Chubb, D.Phil. Oxon.; G. N. Mathrani, M.A. Camb., Dip.Ed. Leeds. *Maths.*—G. B. Khanolkar, M.Sc., B.T. *Hist. and Econ.*—K. T. Merchant, B.Sc.Econ. Lond., M.A., LL.B.; H. K. Paranipe, M.A.; B. K. Apte, M.A.; J. P. De Souza, M.A. *Statistics*—V. B. Kamath, B.Sc. Lond., M.Sc., F.S.S. *Marathi*—M. A. Karandikar, Ph.D. 43 others.

BOMBAY, *Government Law College*, Fort. (*Telephone*: 27707.) Principal—S. G. Chitale, M.A., LL.B. 13 other Profs. and Lectrs.

BOMBAY, *Grant Medical College* (Govt.), Byculla. (*Telegrams*: Medicol. *Telephone*: 70922.) In Med. for M.B., B.S. and B.Sc. (Medical). Principal—D. P. Sethna, F.R.C.S.Ed. Profs.: *Med.*—B. B. Yodh. *Pharmacol.*—J. R. Patel, M.D. *Midw. and Gynæcol.*—V. N. Shirodkar, M.D., F.R.C.S. *Surg.*—S. J. Mehta, 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.*—H. Y. Khwaja, F.R.C.S. *Anat.*—P. S. Dastur, M.S. *Pathology*—H. I. Jhala, M.D. *Forensic Med.*—H. S. Mehta, M.S. 2 Assoc. Profs., 6 Full-time Lectrs., 11 Lectrs., 27 Tutors, 16 Full-time Jr. Lectrs., 10 Pt.-time Jr. Lectrs.

BOMBAY, *Jai Hind College and Basantsing Institute of Science*, 23-24 Backbay Reclamation, "A" Road. In Arts for B.A.; in Sci. for B.Sc. Principal—T. M. Advani, M.A., LL.B. Vice-Principal—G. G. Kewalramani, M.A., LL.B. 64 other Profs., Lectrs. and Demrs.

BOMBAY, *Khalsa College*, Matunga. (*Telephone*: 60534.) In Arts for B.A. and in Sci. for B.Sc. Founded by Sikhs and managed by Shiromani Gurdwara Parbandhak Cttee. of Amritsar, East Panjab. Actg. Principal—G. S. Bal, M.Sc. Panj. 40 Profs. and Lectrs.

BOMBAY, *Ramnarain Ruia College*, Matunga. (*Telephone*: 60298.) In Arts for B.A. and T.D., and in Science for B.Sc. Under the control of Shikshana Prasarak Mandali, Poona. Principal—N. N. Murti, B.A. Madr., Ph.D. Lond., D.I.C. Profs.: *Zool.*—N. N. Murti, B.A. Madr., Ph.D. Lond., D.I.C.; B. Y. Oke, M.Sc. Camb.; K. V. Nayak, M.A. Madr. *Phys.*—R. D. Godbole, S.M. M.I.T., M.Sc.; R. D. Gupte, M.Sc. *Chem.*—B. V. Mohile, M.Sc.; V. M. Bhave, M.Sc., Ph.D. *Gujarati*—A. B. Yajnik, M.A.; D. P. Parikh, M.A. *Marathi*—N. R. Phatak, B.A. Alld.; D. K. Kelkar, B.A. *Sanskrit*—R. R. Deshpande, M.A.; Mrs. Indira Nalin, M.A. *French*—V. G. Hatalkar, D.Litt. Sorbonne, M.A., Ph.D. *Hindi*—J. C. Jain, Ph.D. Ban., M.A. *Educn.*—R. W. Joshi, B.Sc., B.T. *Hist.*—V. D. Rao, M.A., LL.B., Ph.D. *Econ.*—G. D. Parikh, M.A. *Engl.*—V. H. Kulkarni, M.A.; V. T. Yardi, M.A. *Philos.*—N. V. Joshi, M.A., D.Litt. Ban.; S. V. Pandit, M.A. *Bot.*—V. S. Rao, B.A. And., M.Sc. 28 other Lectrs.

BOMBAY, *R.A. Podar College of Commerce and Economics*, Lakhamsi Napoo Rd., Matunga. (*Telephone*: 60868; *Cables*: Podcomcol.) Under the control of the Shikshana Prasarak Mandali, Poona. In Commerce for B.Com. Principal—L. N. Welingkar, B.Sc. (Econ.) Lond. Other Profs.: *Commerce*—G. L. Maini, M.Com.; S. A. Sherlekar, B.Sc., M.A. Agra, M.Com. *Acctcy.*—V. B. Kirtane, B.Sc., LL.B. *Engl.*—J. G. Pethe, M.A., B.T.; P. M. Tole, M.A. *Maths.*—U. U. Bhat, M.A. Madr. *Mercantile Law*—N. K. Desai, B.A., LL.B.; P. G. Kher, B.A., LL.B. 10 other Lectrs. and 9 Tutors.

BOMBAY, *Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomull Science College*, Bandra. In Arts for B.A., and in Sci. for B.Sc. Principal—K. M. Kundanani, M.Sc. 44 other teachers.

BOMBAY, *Ruparel College*, Dadar West. (*Telephone*: 61433.) Under control of Modern Educn. Soc., Poona. In Arts for B.A. and in Sci. for B.Sc. Principal—C. B. Joshi, B.A. Camb., M.A.

BOMBAY, *St. Xavier's College*, Cruickshank Rd., Bombay 1. (*Telephone*: 21247.) In Arts for B.A. and T.D., and in Science for B.Sc. Principal—Rev. M. M. Balaguer, D.D., Ph.D. Greg., Ph.D. Lond. Professors: *Philos.*—Rev. M. M. Balaguer, D.D., Ph.D. Greg., Ph.D. Lond. *Marathi and Pali*—N. K. Bhagwat, M.A. *Engl.*—M. F. Colaco, M.A., LL.B. *French*—Rev. J. Duhr, Ph.D., D.D. Greg. *Sanskrit*—Rev. A. Esteller, M.A., D.Phil. Berl., Ph.D. Greg. *Sociol.*—Rev. P. Gisbert, Ph.D. Greg., S.T.L. Dub., B.A. Lond., Lic. Phil. et Lit. Murcia, Ph.D. (Sociol.) S.A. *Latin*—Rev. J. Humbert, B.A. Lond. *Hist.*—Rev. H. Heras, M.A. Manira. *Gujarati*—M. M. Jhaveri, M.A. *Hindi*—S. S. Naithani, M.A. Alld. *Persian and Urdu*—S. M. Sayeed Reza. *Econ. and Politics*—Rev. J. Sanmarti, Ph.D., B.Sc. (Econ.), Ph.D. Lond. *Educn.*—Rev. A. Solagran, M.A. Dub., Ph.D. Greg. *Maths.*—Rev. L. Vion, L. ès Sc. Paris. *Microbiol.*—F. Fernandes, M.Sc., Ph.D. *Caius Res. Lab.*—Col. S. S. Bhatnagar, M.D. Lausanne, Ph.D. Lond., F.R.C.P. *Chem.*—Rev. J. M. Corbella, M.Sc. M.I.T., D.L. Dub., B.Sc. (Engin.), B.Sc. (Text.), B.A. Barcelona. *Geol.*—A. S. Kalapesi, B.A., B.Sc., Ph.D. Lond., D.I.C. *Zool.*—D. M. Munshi, M.Sc., F.L.S. *Phys.*—Rev. R. Rafael, Ph.D., D.D. Greg., D.Sc. Madrid. *Bot.*—Rev. H. Santapau, Ph.D. Greg., B.Sc., Ph.D. Lond., D.I.C., A.R.C.S., F.L.S. 22 other Profs., 7 Asst. Profs., 21 Lectrs., 2 Tutors, 30 Demrs., 15 Fellows.

BOMBAY, *St. Xavier's Inst. of Educn.* (Society of Jesus), Fort. (*Telephone*: 21247.) Bachelor of Teaching (B.T.). Principal—A. Solagran, Ph.D., D.D., M.A. 3 other Profs., and 3 Lectrs.

BOMBAY, *School of Architecture, Sir J.J. School of Art (Govt.)*. (*Telephone*: 20652.) Inter. Examn. for degree of B.Arch. (Bachelor of Architecture). Head: Prof. S. S. Reuben, F.R.I.B.A.; 1 Asst. Prof., 4 Studio Assts. and 26 visiting Lectrs.

BOMBAY, *Secondary Training College* (Govt.), Cruickshank Rd. (*Telephone*: 31390.) Trains graduates in Arts and Science for B.T. Principal—Miss Sulabha 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. and B.Sc. (Medical). Dean—R. G. Dhayagude, M.D. Asst. Dean—V. V. Jadhav, M.B., B.S. Visiting Prof., *Pharmacol.*—R. A. Lewis, M.D. Johns H. Profs.: *Anat.*—G. M. Kurulkar, M.B., B.S. *Physiol.*—K. C. Batliwalla, M.B., B.S., Ph.D. *Pathology and Bacteriology*—N. M. Purandare, M.D. 6 Asst. Profs., 1 Asst. Clin. Pathologist, 48 Lectrs. and Hon. Lectrs.

BOMBAY, *Siddharth College, Arts and Sci.*, Anand Bhavan, Fort. (*Telephone*: 34897.) Under the control of the People's Education Soc. Chairman of Soc.—B. R. Ambedkar, M.A., 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, *Siddharth College of Commerce*, Anand Bhavan, Fort. (*Telephone*: 34897.) Under the control of People's Educn. Society. In Comm. to Inter.

Comm. Principal—G. R. Dlavi, M.A. 4 Full-time Lectrs. and 4 Pt.-time 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, *Sophia College for Women*, Bhulabhai Desai Rd. (*Telegrams*: Sophiacoll, Bombay. *Telephone*: 40223.) Under control of Society for Higher Educn. of Women in India. In Arts for B.A. and in Sci. for Inter. Sci. Principal—Rev. Mother W. Ward, B.A. Lond., M.A. Oxon. 25 others Profs. and Lectrs.

BOMBAY, *Sydenham College of Commerce and Economics* (Govt.), 90 Hornby Rd., Fort. (*Telephone*: 23488.) In commerce for B.Com. Principal—S. K. Muranjan, D.Sc. (Econ.) Lond., M.A. Other Profs.: *Accountancy*—P. C. Hansotia, B.Com., F.S.A.A. *Business Orgn. and Cotton Econ.*—E. R. Dhongde, B.Sc. (Econ.) Lond., B.A. *Econ. of Transport*—P. S. Rege, B.Sc. (Econ.), B.A. Lond. *Mercantile Law*—U. V. Desai, M.A., LL.B. *Mod. Econ. Developt. and Admin.*—G. B. Kulkarni, M.Sc. (Econ.) Lond., M.Com. 31 other Lectrs. and Instrs.

BOMBAY, *Topiwala National Medical College* (Munic.), Byculla. (*Telephone*: 41883.) In Med. for M.B., B.S. and B.Sc. (Medical). Dean—S. G. Vengsarkar, M.D. 52 other Teachers.

BOMBAY, *Veterinary College* (Govt.), Parel. (*Telephone*: 61180; *Telegrams*: Bovet, Bombay.) In Technology for B.Sc. (Vet.). Principal—S. R. Chadha, B.Sc. Panj. Other Profs.: *Pathology*—R. M. Kalapesi (Offg.). *Animal Husbandry*—F. S. Khambata, B.Ag., B.Sc., Ph.D. *Medicine*—S. P. Deshpande. 2 other Profs., 7 Asst. Profs. and 8 Lectrs.

BOMBAY, *V.J. Technical Insitute*, Matunga. (*Telephone*: 60438; *Telegrams*: Vijetinst.) In Technology for B.Text., B.E. (Mech.), B.E. (Elect.) and B.E. (Civil). Principal—P. N. Joshi, M.Sc. (Tech.) Manc. Other Profs.: *Textile Manufactures*—..... *Mech. Engin.*—B. Sengupta, B.Sc. (Eng.). *Elect. Engin.*—P. K. Kelkar, Ph.D. Liv. *Civil Engin.*—V. H. Acharya, B.Sc. Edin. 12 other Asst. Profs. and over 50 Lectrs.

BOMBAY, *Wilson College*, Chowpatty. (*Telephone*: 41595.) In Arts for B.A. and in Science for B.Sc. Principal—Rev. J. Kellock, M.A., D.D. Glas. Profs.: *Chem.*—P. M. Barve, M.Sc.; B. N. Acharya, M.Sc., Ph.D.; J. W. Airan, M.Sc., Ph.D. *Hist.*—Elizabeth G. K. Hewar, 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.; Helen Paterson, M.A. Glas. *Gujarati*—P. K. Shah, M.A. *Marathi*—W. L. Kulkarni, M.A., M. M. Altekar, M.A., Ph.D. *Maths.*—D. B. Wagh, M.A. *Persian*—A. H. Majed, M.A. *Philos.*—G. N. Lawande, M.A., Ph.D. *Physics*—H. J. Taylor, M.Sc. Sheff., Ph.D. Camb.; V. D. Dabholkar, B.A., M.Sc.; J. Alexander, M.Sc., Ph.D. Durh. *Sansk.*—S. N. Gajendragadkar, M.A., Ph.D. *Botany*—J. P. Kotwal, M.Sc. Nag., Ph.D. Camb. *Zool.*—C. J. George, Ph.D. Lond., D.I.C. *Econ.*—Rev. J. Kellock; T. B. Desai, M.A. *Geog.*—G. M. Marathe, M.Com. 30 other Teachers.

JOGESWARI (GREATER BOMBAY), *Ismail Yusuf College* (Govt.). (*Telephone*: 86088.) In Arts for B.A., and in Sci. up to B.Sc. (Sub.). Principal—G. C. Bannerjee, M.A. Oxon. 30 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 Act, the executive functions of the Univ. were carried on by the Syndicate, and most of the academic work was looked after by the Academic Council.

One of the main ideas underlying the Univ. Act of 1928 was that the Univ. should directly conduct postgraduate teaching and res. in all branches of learning. The Univ. accordingly arranged for postgraduate instruction and research through its own depts. as well as through the teachers in affiliated colls. and recognized postgraduate institutions, recognized as Postgraduate Teachers of the Univ. 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 forms part of the Sch. of Econ. and Sociol.

As far as undergraduate education was concerned, the Univ. was an affiliating Univ. Before the establishment of the Univ. of Sind and of regional Univs. in Bombay State, the jurisdiction of this Univ. extended over the whole of the former Province of Bombay and Sind. The Univ.'s jurisdiction was then confined to the limits of Greater Bombay, but the Univ. was reconstituted in view of the establishment of regional Univs. in Bombay State.

The Univ. was reconstituted by the Bombay University Act, 1953, consequent upon the establishment of other Univs. as a measure in the decentralization and reorganization of Univ. educn. in Bombay State. The new Act came into operation from June 1, 1953. Its special features are: (1) reconstitution of the Univ. as a teaching and federal Univ. All affiliated colls. become constituent colls.; (2) reduction in number of elections; (3) strengthening of academic element in Senate, Academic Council and Bds. of Studies; (4) creation of Bds. of Univ. Teaching, predominantly academic, empowered to control post-Inter. and postgrad. instruction in affiliated colls. and recognized instns. and to make recommendations to Syndicate for conducting such instruction in Univ. colls. and instns.; (5) extension of the powers of the University to include such activities as extra-mural teaching, Univ. extension courses, training of students for competitive examns. for service under Union and State Govts., establishment of an employment Bureau, students' Unions and Bd. of students' welfare, and provision for recognition of instns. of res. and specialized studies by Syndicate.

The new Act makes a great advance over the Act of 1928 in the matter of the Univ.'s control over post-Inter. instruction in the colls., which become integral parts of a federal Univ. system; the Univ. will be in a position to improve post-Inter. instruction by husbanding the resources of the colls.,

avoiding duplication and encouraging specialization; it can undertake post-Inter. instruction in its own instns., if necessary.

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 Bds. of University Teaching and the Bds. of Studies in the various Facs.

LOCATION. The Univ. Dept. of Chem. Technol. is located in its new bldgs. at Matunga, Bombay 19 (*Telephone*: 61308). The Sch. of Econ. and Sociol. (including the Dept. of Civics and Politics) and the Dept. of Statistics are housed in the south and east wings of the main Univ. bldgs.

INCOME (July 1, 1951, to June 30, 1952). Bombay Govt. Grant, Rs. 6,07,720 (20·76 per cent.); Union Govt. Grant, Rs. 1,42,069 (4·86 per cent.); fees, etc., Rs. 13,80,868 (47·17 per cent.); other sources, Rs. 5,09,101 (17·39 per cent.); Interest from Endowments, Rs. 2,87,436 (9·82 per cent.); total, Rs. 29,27,194.

FACULTIES AND DEANS. *Arts* (incl. Educn.), K. R. Gunjikar; *Comm.*, Sir Vithal N. Chandavarkar; *Law*, K. M. Jharveri; *Med.*, A. Karmally, M.B., B.S.; *Science*, N. N. Murti, B.A. Madr., Ph.D. Lond., D.I.C.; *Technol.* (incl. Agric., Chem. Technol., Engin. and Vet. Sci.), G. A. Kamtekar.

ADMISSION. The minimum qualifn. for admission to courses in the Facs. of Arts and Sci. is the passing of the Entrance Examn., the Secondary Sch. Cert. Examn. of the S.S.C. Examn. Bd., Bombay State (if passed in prescribed subjects with 35 per cent. marks in each subject), the Matricn. Examn. of any statutory Univ. in the Indian Union, or an Examn. recognized as equivalent to the Entrance Examn. (A list of recognized Examns. is published in the *Handbook, Pt. II.*)

The following overseas qualifns. are recognized for the purpose of entrance: Oxford and Cambridge School Certif., Matricn. Certif. of South African Jt. Matricn. Bd. (if examn. passed with English, an additional lang., hist. or geog., maths., and one other subject, or if passed in any five or more subjects but with credits in at least four of them at the same examn.), London Univ. Matricn. Certif. (if examn. passed in English, an additional lang., hist. or geog., maths. and one other subject, or if passed in First or Second Div.), Rangoon Univ. Matricn. Certif. Overseas qualifns. not included in the regIns. will be considered on their merits.

Admission to Univ. courses of study for the Bachelor's degrees in Engin. and in Med. is granted only to those who have passed the Univ. Inter. Sci. Examn. or other equivalent examn. of a recognized Univ. or Bd. in specified groups of subjects. The minimum qualifn. for admission to the LL.B. degree course is the passing of the Inter. Arts or Comm. Examn. or a degree examn. in any other Fac. of the Univ. or equivalent examns. of another Univ. Admission to courses of study for higher degrees is granted, under certain conditions, to graduates of this, or of any other recognized, Univ.

The usual language of instruction is English.

DEGREES AND DEGREE COURSES. B.A. (General) and (Special); B.T.; B.Sc.; B.E. (Civil), B.E. (Mechanical), B.E. (Electrical); B.Sc. (Agric.); B.Sc. (Tech.) in the following branches: (1) Textile Chem., (2) Chem. Engin., (3) Food Technol., (4) Technol. of Intermediates and Dyes, (5) Technol. of Plastics, (6) Technol. of Pigments, Paints and Varnishes, (7) Technol. of Oils, Fats and Waxes, (8) Technol. of Pharmaceuticals and Fine Chemicals; B.Text.; B.Sc. (Vet.); B.Chem.Eng.; B.Arch.; LL.B.; M.B., B.S.; B.D.S.; B.Sc. (Medical); B.Com.

HIGHER DEGREES. M.A.; M.Ed.; M.Sc.; M.E. (Civil, Mech. or Electr.); M.Sc. (Tech.); M.Sc. (Agric.); LL.M.; M.D.; M.S.; D.Hy.; M.Sc. (Medical); Ph.D.; D.Litt.; D.Sc.

DIPLOMAS. Dipl. in Teaching (T.D.); Dipl. in Librarianship. *Postgraduate Medical Diplomas*—Dipl. in Public Health (D.P.H.); Dipl. in Anæsthesia (D.A.); Dipl. in Medical Radiol. and Electrol. (D.M.R.E.); Dipl. in Psychological Med. (D.P.M.); Dipl. in Venereol. and Dermatol. (D.V.D.); Dipl. in Forsensic 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; Fisheries Dept., Marine Biol. Res. Stn., Taraporewala Aquarium, Bombay 2; Cipla Labs., 289 Bellasis Road, Bombay 8; Res. and Control Divisions, Raptakos, Brett & Co., Ltd., Worli, Bombay 18; Dr. K. T. Gajjar's Pathol. Lab., Sir P. M. Road, Bombay 1.

FEES. Rates of tuition fees in affiliated Colls. vary according to nature of courses taught. Full information obtainable from Principals. Fees for Univ. postgrad. courses in the School of Econ. and Sociol. are Rs. 110 per term. Fees in the Univ. Dept. of Chem. Technol.: for B.Sc. (Tech.), and B.Chem. Eng. courses, Rs. 200 (per term). Fees for research students, Rs. 100 per term. Dept. of Statistics—Rs. 125 per term.

The UNIVERSITIES' INFORMATION BUREAU collects and furnishes information to students regarding Indian and foreign Univs. and other educational institutions, and helps graduates to secure admission to Univs., etc., in foreign countries.

LIBRARIES. The Main Univ. Library, established 1869, under the Premchand Roychand Benefaction (Rs. 4,00,000) possesses to-day more than 104,000 volumes, about 1000 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. *Departmental Libraries*—Univ. Sch. of Econ. and Sociol.—approx. 35,000 vols., 400 theses in MSS.; Univ. Dept. of Chem. Technol.—more than 9400 vols. in Engl. and German and about 180 periodicals; Univ. Dept. of Stats.—approx. 1100 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., Dhobi Talas, Bom.; Hospls. and Labs. associated with Seth Gordhandas Sunderdas Med. Coll.; Nowrosjee Wadia Maternity Hospl., Parel, Bom.; Sir Currimbhoy Ebrahim Memorial Dental Hospl., Byculla, Bom.; Bai Jerbai Wadia Hosp. for Children, Parel, Bom.; Haffkine Inst., Parel, Bom.; Bai Yamunabai Nair Hosp. attached to Topiwala National Med. Coll.; Sir Hurkisandas N. Hosp., Girgaum, Bom.; St. George's Hospl., Fort, Bom.; Bombay Hospital, Fort, Bom.

STUDENT RESIDENCES. Birla and University Hostels, Matunga (*Telephone*: 62425); Marine Lines Hostel, Marine Lines (*Telephone*: 25800); accomm. for 188 men students. Individual colls. are also required to provide, by the terms of their affiliation, hostel accomm. for a fair number of their students.

NATIONAL CADET CORPS (SR. DIVISION). Two Battalions of the Sr. Div. of the N.C.C. are attached to the Univ., as are also these other N.C.C. units: Engineering Platoon; Battery Unit; Medical Unit; Air Squadron; Naval Unit and Women's Division Unit.

STUDENT ATHLETIC FACILITIES. The Univ. Bd. of Sports organizes the sports activities of the Univ. Inter-Collegiate Sports are arranged every yr. Individual colls. also provide facilities for indoor and outdoor games.

STUDENTS' UNIONS. There is a Students' Union in the Univ. Sch. of Econ. and Sociol. The students of the Univ. Dept. of Chem. Technol. have formed "The Technological Association." Colleges also have students' Unions.

The UNIVERSITY PRESS was established in 1948 and carries out most of the printing work of the Univ. Manager: V. G. Moghe, B.A.

PUBLICATIONS. *Univ. Handbook, Pt. I* (Almanac and names of members of various Univ. Authorities), annual, As. 8; *Univ. Handbook, Pt. II* (Statutes, Ordinances and Reglns., including examn. syllabuses), 1950 edition, Rs. 8; *Univ. Handbook, Pt. III* (Text-books), 1952 edition, Rs. 2·8; *Univ. Handbook, Pt. IV* (Reglns. relating to Scholps., etc.), out of print, new edition in preparation; *Calendar* (lists of graduates and successful examn. candidates) 1938–40, Rs. 6; *Journal of Univ. of Bombay*, 5 times p.a., annual subscription for 5 issues Rs. 12, for Nos. I and IV, Rs. 5, III and V, Rs. 5, II or a single copy, Rs. 3; *Univ. Econ. and Sociol. Series*, pub. by O.U.P.

## THE YEAR 1951–52

BENEFACTIONS. Trustee of Birla Education Trust, Rs. 2,50,000, for new Univ. Hostel Bldgs. at Matunga; estate of Bai Harakbai, Rs. 10,000, for H. P. Ghelabhai Vallabha Vedanta Prize; Prof. P. A. Wadia Jubilee Celebrations Cttee., Rs. 10,000, for P. A. Wadia Scholp.; Hindustan Vanaspati Manufacturing Co., Ltd., Bom., Rs. 5000, towards cost of Solvent Extraction Unit and bldg. to house it in Dept. of Chem. Technol.; Mrs. Tarabai G. Chitre, Rs. 10,000, for R. B. G. D. Chitre Scholp.; K.B. J. B. Vachha, Rs. 14,000, for F. B. Vachha, B. M. Vaccha and B. R. D. Vachha Scholp.; Dr. F. Godinho, Rs. 10,000, for F. B. Godinho Gold Medal; D.B. K. M. Jhaveri, Rs. 10,000, for S. T. G. K. Jhaveri Scholp.

NEW BUILDINGS. Construction of hostel at Matunga completed during the yr., providing accomm. for 148 students; extension of main Univ. Bldgs. in Fort completed, providing addtl. accomm. for admin. offices, Univ. Sch. of Econ. and Sociol. and Univ. Dept. of Statistics; erection of solvent extraction plant and construction of bldg. to house it completed in Dept. of Chem. Technol.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Commonwealth Univs. Delegation visited the Univ. and was in Bombay from Jan. 12 to 16, 1952; Prof. H. A. Freeman, Corn., "International Law"; Prof. J. W. Cook, "Chemical aspects of Cancer Research."

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. G. S. Ghurye (Sociol.), who was on a study tour of Europe, lectured at L.S.E. on "Caste" and "Cities and their rôle in Integration and Tensions."

RETIREMENT. Prof. M. Venkatarangaiya (Politics).

STUDENT NUMBERS (as at August 1, 1952).

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 22,270 |
| Women | .. | 5,417 |
| Total | .. | 27,687 |

Postgraduate students, 2090.

New admissions, 8012.

Students from abroad (Nov. 1952), 158. (Countries from which largest numbers came: Africa, 95; Burma, 8; Singapore, 7; British W. Indies, 6; Ceylon, 6; Iran, 5; Spain, 4.)

DEGREES, ETC. *Arts*: B.A., 1484; M.A., 265; B.T., 106; M.Ed., 41. *Comm.*: B.Com., 386; M.Com., 63. *Law*: LL.B., 329; LL.M., 3. *Med.*: B.Sc. (Med.), 3; M.B., B.S., 375; M.D., 23; M.S., 18; B.D.S., 9; Postgrad. Dipls. in Med. Fac.—D.O., 3; D.P.H., 1; D.A., 5; D.Ped., 4; D.V.D., 3; D.L.O., 3; T.D.D., 1; D.M.R.E., 4. *Sci.*: B.Sc., 809; M.Sc., 135. *Technol.*: B.E., 40; B.Sc. (Tech.), 75; B.Sc. (Vet.), 27; B.Text., 10; M.Sc. (Tech.), 10. *In various facs.*: Ph.D., 67; Teaching (T.D.), 106; Librarianship, 19.

# UNIVERSITY OF CALCUTTA*

Founded 1857

*Postal Address*: Senate House, College Street, Calcutta, India.
*Telegrams*: University Calcutta.
*Telephone*: Calcutta B.B. 207–10.

CHANCELLOR—H.E. THE GOVERNOR OF WEST BENGAL.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—S. N. BANERJEE, M.Sc., LL.D.

PRESIDENTS, POSTGRADUATE COUNCILS—*Arts*—J. P. NIYOGI, M.A., Ph.D. Lond.; *Science*—Prof. S. BOSE, M.Sc.; *Technology*—Prof. S. K. MITRA, D.Sc., F.N.I.

REGISTRAR—S. DUTTA, D.Sc. Lond., D.I.C., F.N.I.

CONTROLLER OF EXAMINATIONS—A. P. DASGUPTA, M.A., Ph.D. Lond.

INSPECTOR OF COLLEGES—B. B. DUTT, M.A., Ph.D., LL.B.

SECRETARY TO THE COUNCIL OF POSTGRADUATE STUDIES IN ARTS—N. C. RAY, M.A., Ph.D.

SECRETARY TO THE COUNCILS OF POSTGRADUATE TEACHING IN SCIENCE AND TECHNOLOGY—D. CHAKRAVARTI, D.Sc., F.N.I.

OFFG. UNIVERSITY LIBRARIAN—P. C. BOSE, B.A.

PRINCIPAL, UNIVERSITY LAW COLLEGE—P. N. BANERJEE, M.A., B.L., LL.D. McG., D.Litt.

## TEACHING STAFF

*Agriculture*

Sen, P. K., M.Sc., Ph.D. Lond., D.I.C. G. P. Singh Prof.
1 Postgrad. Teacher.

*Anthropology*

Chattopadhay, K. P., M.Sc. Camb. Prof.
7 Postgrad. Teachers.

*Arabic and Persian*

Siddiqi, M. Z., M.A., LL.B., Ph.D. Camb. Asutosh Prof.
6 Postgrad. Teachers.

*Botany*

Sarbadhikari, P. C., D.Sc. Lond., Ph.D. Lond., D.I.C. F.L.S. Sir R. B. Ghose Prof.
9 Postgrad. Teachers.

*Chemistry, Agricultural*

..... Sir P. C. Ray Prof.

*Chemistry, Applied*

Guha, B. C., D.Sc. Lond., Ph.D. Calc. (on leave) Sir R. B. Ghose Prof.

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

Goswami, M. N., M.A., Dr. ès Sc. Toulouse
Actg. Sir R. B. Ghose Prof.
24 Postgrad. Teachers.

*Chemistry, Pure*

Sarkar, P. B., M.Sc., Dr. ès Sc. Paris, F.N.I.
Sir R. B. Ghose Prof.
Bardhan, J. C., D.Sc. Calc. and Lond. G. P. Singh Prof.
Ghosh, B. N., D.Sc. Lond.
Sir T. N. Palit Prof.
14 Postgrad. Teachers.

*Commerce*

Bose, S. K., M.A., Ph.D. Lond.
Reader.
24 Postgrad. Teachers.

*Economics*

Niyogi, J. P., M.A., Ph.D. Lond.
Prof.
10 Postgrad. Teachers.

*Education*

Sen, J. M., B.Sc., M.Ed. Leeds, T.D. Lond., Dip.Ed. Oxon., F.N.I. Hd. of Dept.
9 Postgrad Teachers.

*English*

Bhattacharyya, M. M., M.A., LL.B., Ph.D. Lond.
Sir G. D. Banerjee Prof.
13 Postgrad. Teachers.

*Geography*

Chatterjee, S. P., M.Sc., Ph.D., T.D. Lond., D.Litt. Paris, F.G.S. Prof.
8 Postgrad. Teachers.

*Geology*

Chatterjee, N. N., M.Sc. Prof.
6 Postgrad. Teachers.

*History and Culture, Ancient Indian*

Banerjee, J. N., M.A., Ph.D. Calc.
Carmichael Prof.
Kramrisch, Stella, Ph.D. Lond.
Prof.
Ray, N. R., M.A., D.Lett. and Phil. Leyden, Dip.Lib. Lond., F.L.A. (Indian Fine Arts)
Bagiswari Prof.
10 Postgrad. Teachers.

*History and Culture, Islamic*

..... Prof.
Raychandhury, M., M.A., D.Litt. Calc. Actg. Hd.
9 Postgrad. Teachers.

*History, Mediæval and Modern Indian*

Banerjee, I., M.A., D.Phil.
Asutosh Prof.
12 Postgrad. Teachers.

*Indian Languages, Modern*

Banerjee, S. K., M.A., LL.B., D.Phil. R. Lahiri Prof.
15 Postgrad. Teachers.

*Mathematics, Applied*

Sen, N. R., Ph.D. Berlin, D.Sc., F.N.I. Sir R. B. Ghose Prof.
10 Postgrad. Teachers.

*Mathematics, Pure*

Bagchi, H., M.A., D.Phil.
Hardinge Prof.
Sen, B. M., M.A. Camb., M.Sc.
Prof.
12 Postgrad. Teachers.

*Mental and Moral Science*

Maitra, S. K., M.A., D.Phil.
Acharyya B. N. Sil. Prof.
19 Postgrad. Teachers.

*Pali*

Dutt, N., M.A., LL.B., D.Phil., D.Lit. Lond. Prof.
8 Postgrad. Teachers.

*Phonetics and Indian Linguistics*

..... G. P. Singh Prof.
4 Postgrad. Teachers.

*Physics, Applied*
Mahanti, P. C., D.Sc., F.I.P.
Sir R. B. Ghose Prof.
18 Postgrad. Teachers.

*Physics, Pure*
Saha, M. N., D.Sc., F.R.S.
Palit Prof.
Bose, S. N., M.Sc.
G. P. Singh Prof.
15 Postgrad. Teachers.

*Physiology*
Sarkar, B. B., D.Sc. Edin. Prof.
13 Postgrad. Teachers.

*Political Science*
Banerjee, D. N., M.A.
Surendranath Prof.
16 Postgrad. Teachers.

*Psychology*
Mitra, S. C., M.A., D.Phil. Leipzig Prof.
8 Postgrad. Teachers.

*Radiophysics and Electronics*
Mitra, S. K., D.Sc., F.N.I.
Sir R. B. Ghose Prof.
11 Postgrad. Teachers.

*Sanskrit*
Mukherjee, S., M.A., D.Phil.
Asutosh Prof.
23 Postgrad. Teachers.

*Statistics*
Bose, P. K., M.Sc., D.Phil.
Hd. of Dept.
8 Postgrad. Teachers.

*Zoology*
Mookerjee, H. K., D.Sc. Lond., D.I.C. Sir N. R. Sircar Prof.
9 Postgrad. Teachers.

## ADMINISTRATIVE AND OTHER STAFF

Estates Officer: S. K. Dutt, M.A. Oxon. Offg. Asst. Registrar: P. Banerjee, B.A. Addl. Controller of Examns.: D. S. Dhar, M.A. Asst. Controller of Examns.: A. K. Roy, M.Sc. Audit Officer: N. Majumdar, B.Sc., F.S.S. 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 Indian Art: D. P. Ghosh, M.A. Sec., Appts. Information Bd.: D. K. Sanyal, M.A., B.Com.

## AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

[I.A., I.Sc., B.A., M.A., B.Sc., M.Sc., B.Com., etc.=affiliated up to Interm. Arts, Interm. Sci., B.A., M.A., etc., standard.]

AGARTALA, *Maharaja Bir Bikram College*, Agartala, Tripura State. Principal—J. K. Chaudhuri, B.A. Oxon., M.A., LL.B. 33 other teachers. B.A., B.Com., B.Sc., I.Sc., I.A.

AHARBELMA, *Syamsundar College*, Syamsundar, Burdwan. Principal—P. Banerjee, M.A., M.Ed., Dip. in Edn. Leeds. 15 other teachers. I.A., I.Sc., B.A.

AMTA (HOWRAH), *Ramsaday College*. Principal—C. K. Dhar, M.Sc., LL.B. 13 other teachers. I.A., I.Sc., B.A.

ARAMBAGH, *Netaji Mahavidyalaya*, Hooghly. Principal—A. B. Das (offg.), M.A. 10 other teachers. I.A., I.Sc.

ASANSOL, *Asansol College*. Principal—B. B. Bhattacharyaja, M.A. 25 other teachers. B.A., I.Sc., I.A.

ASANSOL, *Manimela Girls' College*, Burdwan. Principal—K. C. De, M.A. 14 other teachers. I.A., I.Sc.

BALLYGUNJE (CALCUTTA), *Muralidhar Girls' College*. Principal—N. M. Sastri, M.A. 16 other teachers. B.A., I.A.

BALURGHAT (W. DINAJPUR), *Balurghat College*. Principal—S. K. Majumder, M.Sc. 12 other teachers. I.A., I.Sc.

BANGAON, *Dinabandhu Mahavidyalaya*, 24 Parganas. Principal—C. C. Mitra, M.A. 12 other teachers. I.A., I.Sc.

BANKURA, *Bankura Christian College*. Principal—A. K. Mundle, M.A. 25 other teachers. B.A., B.Sc., I.A., I.Sc.

BANKURA, *Sammilani College*. Principal—A. K. Ray. 6 other teachers. I.Sc.

BARASAT, *Barasat College* (Govt.), 24 Parganas. Principal—D. C. Chatterjee, M.A. 11 other teachers. I.A., I.Sc.

BARISHA, *Barisha College*, 24 Parganas. Principal—S. K. Roy, D.Sc. 11 other teachers. I.A., I.Sc.

BASIRHAT, *Basirhat College*, 24 Parganas. Principal—S. K. Pal, M.A., LL.B. 7 other teachers. I.A.

BELGACHIA, *R.G. Kar Medical College*, 1 Belgachia Road, Calcutta. (*Telephone*: B.B. 6302.) Principal—S. K. Sen, M.Sc., M.B., D.P.H., L.M. Dub. 62 other teachers. I.Sc., M.B., B.S., D.G.O., D.O.M.S.

BELUR MATH, *Ramkrishna Mission Vidyamandir*, Howrah. Principal—Swami Tejasandanda. 25 other teachers. I.A., I.Sc.

BERHAMPUR, *Berhampur Girls' College*, Murshidabad. Principal—Miss Priti Gupta, M.A., B.T. 22 other teachers. B.A., I.Sc., I.A.

BERHAMPUR, *Krishnath College*, Murshidabad. Principal—N. K. Sarkar, M.A. B.A., B.Com., B.Sc., I.Sc.

BERHAMPUR, *Union Christian Training-College*, Murshidabad. Principal—T. C. Vicary, M.A. Lond. 4 other teachers. B.T., L.T.

BHOWANIPUR (CALCUTTA), *Asutosh College*, 9 Russa Rd., Calcutta. (*Telephone*: South 917.) Principal—S. Mookerjee, M.A. 128 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

BISHNUPUR (BANKURA), *Ramananda College*. Principal—R. P. Bhattercheryye, M.A. 14 other teachers. B.A., I.Sc., I.A.

BOLPUR, *Bolpur College*, Birdhum. Principal—S. R. Ray, M.A. 14 other teachers. I.A., I.Sc.

BURDWAN, *Raj College*. Principal—P. C. Sanyal, M.A. 33 other teachers. B.A., B.Sc., I.A., I.Sc.

CALCUTTA, *All India Institute of Hygiene and Public Health* (Govt.), 110 Chittaranjan Ave. (*Telephone*: B.B. 5981.) Principal—K. V. Krishnan, M.B., B.S. Madr., D.B. Lond., D.Sc. Johns H., F.R.C.P.Ed., F.N.I. 48 other teachers. D.P.H., M.E. and D.Sc. in Public Health, Dip. in Maternity and Child Welfare, Dip. in Dietetics, Dip. in Industrial Health.

CALCUTTA, *Bangabasi College*. (*Telephone*: B.B. 1368.) Principal—P. K. Bose, M.A. Calc. and Oxon. 127 other teachers. LL.B., B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA (SIBPUR), *Bengal Engineering College* (Govt.), Botanic Garden, Howrah. (*Telephone*: Howrah 700.) Principal—S. R. Sen Gupta, B.Sc., Ph.D. Glas. 175 other teachers. B.E., B.Arch., Dip. in Town and Regional Planning.

CALCUTTA, *Bengal Tanning Institute*, Canal South Rd. Principal—M. Banerjee, B.Sc. Calc., M.Sc. Leeds. 8 other teachers. Cert. in Tanning.

CALCUTTA, *Bethune College* (Girls) (Govt.), 171 Cornwallis St. (*Telephone*: B.B. 786.) Principal—Mrs. Mrinalini Emerson, M.A. 31 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *Central Calcutta College* (Govt.), 8 Wellesley St. (*Telephone*: Central 3737.) Principal—F. J. C. Friend Pareira, M.A. Camb. B.A., I.Sc., I.A.

CALCUTTA, *Charuchandra College*, 22 Lake Rd. Principal—S. N. Ray, M.A., Ph.D. Lond. 43 other teachers. B.A., B.Com., I.Sc., I.A.

CALCUTTA, *City College*, 102/1 Amherst St. (*Telephone*: B.B. 1565.) Principal—A. K. Sen, M.A. 249 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA, *David Hare Training College* (Govt.), 25/3 Ballygunge Circular Rd. (*Telephone*: P.K. 1814.) Principal—S. K. Majumdar, M.Sc., Ph.D. Munich. 28 other teachers. B.T.

CALCUTTA, *Dental College and Hospital*, 114 Lower Circular Road. Principal—N. C. Barory, D.D.S., F.I.C.D. 9 other teachers. B.D.S.

CALCUTTA, *Dum Dum Motijheel College*, Dum Dum. Principal—N. L. Ganguli, M.A. 14 other teachers. I.A., I.Sc.

CALCUTTA, *Goenka College of Commerce and Business Administration*, 210 Bow Bazar St. Principal—P. C. Ghosh. 24 other teachers. B.Com.

CALCUTTA, *Gokhale Memorial Girls' College*, 1/1 Harish Mukherjee Rd. (*Telephone*: P.K. 509.) Principal—Miss S. E. Rani Ghose, M.A., B.T., T.D. Lond. 16 other teachers. I.A., I.Sc.

CALCUTTA, *Lady Brabourne College*, P1/2, Suhrawardy Ave. (*Telephone*: Park 324.) Principal—Mrs. Roma Choudhuri, M.A., D.Phil. Oxon. 45 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *La Martinière*, 11 Loudon St. (*Telephone*: P.K. 3494.) Actg. Principal—H. G. Chalke, B.A. Lond. 7 other teachers. I.A., I.Sc.

CALCUTTA, *Loreto House* (Girls), 7 Middleton Row. Principal—Mother M. Consiglio. 18 other teachers. B.A., I.Sc., B.T., I.A.

CALCUTTA, *Maharaja Manindra Chandra College*, 20 Ramkanta Bose St. (*Telephone*: B.B. 4562.) Principal—A. C. Banerjee, M.A., Ph.D. 43 other teachers. B.A., B.Com., I.Sc., I.A.

CALCUTTA, *Medical College*, 88 College St. (*Telephone*: B.B. 3670.) Principal—D. C. Chakravurti, F.R.C.S.Ed. 76 other teachers. M.B., B.S., D.O.M.S., T.D.D.

CALCUTTA, *National Medical Institute*, 32 Gorachand Rd. (*Telephone*: P.K. 554.) Principal—M. Pan, M.B. Lond., F.R.C.S.Ed. 88 other teachers. M.B., B.S.

CALCUTTA, *Netaji Subhas College*, 112/1 Russa Rd. (*Telephone*: P.K. 2544.) (Not functioning.)

CALCUTTA, *Nilratan Sarkar Medical College*, 38 Lower Circular Rd. (*Telephone*: Central 3213.) Principal—A. K. Dutta Gupta, M.B., D.T.M. 60 other teachers. M.B., B.S.

CALCUTTA, *Presidency College* (Govt.), 86/1 College St. (*Telephone*: B.B. 875.) Principal—J. C. Sen Gupta, M.Sc., D.Phil. 101 other teachers. B.A., B.Sc., I.A., I.Sc.

CALCUTTA, *St. Joseph's College*, 69 Bow Bazar St. (*Telephone*: B.B. 4259.) Principal—Rev. Brother T. A. Comber. 5 other teachers. I.A., I.Sc.

CALCUTTA, *St. Paul's Cathedral Mission College*, 33 Amherst St. (*Telephone*: 2600.) Principal—H. K. Banerjee, M.A., B.Litt. Oxon. 33 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *St. Xavier's College*, 30 Park St. (*Telephone*: P.B. 995.) Principal—H. Barre. 52 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc. Students of other religious persuasions are admitted.

CALCUTTA, *Sanskrit College* (Govt.), 1 Bankim Chatterjee St. (*Telephone*: B.B. 734.) Principal S. Bhaduri, M.A., Ph.D. 26 other teachers. B.A., I.A.

CALCUTTA, *Scottish Church College*, 4 Cornwallis Square. (*Telephone*: B.B. 151.) Principal—John Kellas, M.A., D.D. 78 other teachers. B.A., B.Sc., B.T., I.A., I.Sc. Formerly the General Assembly's Institn. and Duff Coll.

CALCUTTA, *Seth Anandram Jaipuria College*, 10 Raja Nabakissen St. (*Telephone*: B.B. 6164.) Principal—S. C. Pal, M.A., B.T. 23 other teachers. B.A., B.Com., I.A., I.Sc.

CALCUTTA, *South Calcutta Girls' College*, 72 Lansdowne Rd. Principal—Mrs. Bani Miha, M.A., B.T. 13 other teachers. B.A., I.A.

CALCUTTA, *Surendranath College*, 24 Harrison Rd. Principal—P. K. Guha, M.A. 108 other teachers. B.A., B.Com., B.Sc.

CALCUTTA, *Surendranath Law College*, 24 Harrison Rd. (*Telephone*: B.B. 29.) Principal—S. C. Chaudhuri, M.A., LL.D. Camb. 11 other teachers. LL.B.

CALCUTTA, *University Law College*, 87/1 College St. (*Telephone*: B.B. 207.) Principal—P. N. Banerjee, M.A., B.L., LL.D. McG., D.Litt. 34 other teachers. LL.B.

CALCUTTA, *Victoria Institution for Girls*, 78B Circular Rd. (*Telephone*: B.B. 685.) Principal—Mrs. Suprabha Chaudhuri, M.A. 28 other teachers. B.A., I.Sc., I.A.

CALCUTTA, *Vidyasagar College*, 39 Sankar Ghosh Lane. (*Telephone*: B.B. 2085.) Principal—A. K. Dutt, M.A. 90 other teachers. B.A., B.Com., B.Sc., I.A., I.Sc.

CALCUTTA, *Women's Christian College*, 6 Greek Church Row. (*Telephone*: South 831.) Principal—Miss Stella Bose. B.A., I.A.

CALCUTTA, *Women's College*, 204 Cornwallis St. (*Telephone*: B.B. 565.) Principal—D. L. De, M.A., Ph.D. Lond. 21 other teachers. B.A., I.A.

CHANDARNAGORE, *Chandarnagore College*, Hughly. Principal—P. B. Mitra, M.A. 38 other teachers. B.A., B.Sc., B.Com., I.Sc., I.A.

CONTAI, *Prabhatkumar College*, Midnapur. Principal—N. C. Roy, M.Sc. 22 other teachers. B.A., I.Sc., I.A.

COOCH-BEHAR, *Victoria College*. Principal—S. Ganguli, M.A., Ph.D. Lond. 29 other teachers. B.A., B.Sc., I.A., I.Sc.

DARJEELING, *Govt. College.* Principal—K. D. Ghosh, M.A. Oxon., Dip. in Edn. Oxon. 37 other teachers. B.A., B.Sc., I.A., I.Sc.

DARJEELING, *St. Joseph's College.* Principal—E. Gales. 19 other teachers. B.A., B.Sc., I.A., I.Sc.

DARJEELING, *St. Paul's College.* Principal—L. J. Goddard, M.A. Camb. 3 other teachers. I.A., I.Sc. (Not functioning at present.)

DIAMOND HARBOUR, *Fakirchandra College,* 24 Parganas. Principal—S. K. Das, M.A. 11 other teachers. I.A.

GARBETA, *Garbeta College,* Midnapore. Principal—R. N. Sarkar, M.A. 11 other teachers. I.A., I.Sc.

GOBARDANGA, *Hindu College,* 24 Parganas. Principal—A. C. Banerjee, M.A. 17 other teachers. B.A., I.Sc., I.A.

HETAMPUR, *Krishnachandra College,* Birbhum. Principal—B. C. Sen-Gupta, M.A., LL.B. 12 other teachers. B.A., I.Sc., I.A.

HOWRAH, *Girls' College,* 5/3 Mahatma Gandhi Rd. Principal—B. K. Bhattacharyya, M.A. 17 other teachers. B.A., I.A.

HOWRAH, *Narasinha Dutt College,* 129 Bellilias Rd. Principal—J. N. Sen, M.Sc. 33 other teachers. B.A., B.Sc., I.A., I.Sc.

HUGHLI, *Hughli Mohsin College* (Govt.), Chinsurah. Principal—B. B. Sen, D.Sc. 47 other teachers. B.A., B.Sc., I.A., I.Sc.

HUGHLI, *Women's College,* Chinsurah. Principal—Miss Santisudha Ghosh, M.A. 13 other teachers. B.A., I.A.

ITACHUNA, *Itachuna Bijoy Narayan Mahavidyalaya,* Hughli. Principal—G. C. Majumdar, M.A. 13 other teachers. I.A., I.Sc.

JALPAIGURI, *Anandachandra College.* Principal—I. B. Majumdar, M.A. 23 other teachers. B.A., I.Sc., I.A.

JALPAIGURI, *Prasannadev Balika Mahavidyalaya.* Principal—Miss Charupama Bose, M.A. 13 other teachers. I.A., B.A.

JANGIPUR, *Jangipur College,* Murshidabad. Principal—B. R. De, M.A. 12 other teachers. I.A., I.Sc.

JHARGRAM, *Agricultural College,* Midnapur. Principal—P. K. Sen, M.Sc., Ph.D. Lond., D.I.C. 19 other teachers. I.A., I.Sc., I.Sc. (Ag.), B.Sc.Ag.

JIAGANJ, *Sripatsingh College,* Murshidabad. Prof. in charge—A. K. Chaudhuri, M.A. 12 other teachers. I.A., I.Sc.

KAILASAHAR, *Kailasahar Ramkrishna Mahavidyalaya,* Tripura. Principal—S. Dhar, M.A. 15 other teachers. I.A., I.Sc.

KALIMPONG, *Scottish Universities Mission College,* Darjeeling. Principal—K. D. Pradhan (Actg.), M.A. 8 other teachers. I.A.

KALNA, *Kalna College,* Burdwan. Principal—A. C. Basu, M.A., LL.B. 10 other teachers. I.A., I.Sc.

KANDI, *Kandi Raj College,* Murshidabad. Principal—D. L. Das, M.A., Ph.D. 12 other teachers. I.A., I.Sc.

KATWA, *Katwa College,* Burdwan. Principal—H. M. Mukherjee, M.A. 11 other teachers. I.A., I.Sc.

KHARAGPUR, *Kharagpur College,* Midnapur. Principal—H. B. Sarkar, M.A. 15 other teachers. I.A., I.Sc.

KRISHNAGAR, *Krishnagar College* (Govt.), Nadia. Principal—S. K. Guha Thakurta, M.A. 56 other teachers. B.A., B.Sc., I.A., I.Sc.

KURSEONG, *St. Helen's College*, Darjeeling. Principal—Sister M. Teresita. I.A.

KURSEONG, *Victoria College*, Dow Hill, Darjeeling. Principal—C. A. Price. I.A.

MAHISADAL, *Raj College*, Midnapur. Principal—S. Kahali, M.A. 11 other teachers. B.A., I.A.

MALDAH, *Maldah College*. Principal—D. K. Bhattacharyya, M.A. 17 other teachers. B.A., I.Sc., I.A.

MIDNAPUR, *Midnapur College*. Principal—A. C. Chakrabarti, M.Sc., M.A. Camb. 38 other teachers. B.A., B.Sc., I.A., I.Sc.

NABADWIP, *Vidyasagar College*, Nadia. Principal—A. N. Mukherjee, M.A. 16 other teachers. B.A., I.Sc., I.A.

NAIHATI, *Rishi Bankimchandra College*, 24 Parganas. Principal—S. R. Das Gupta, M.A., Ph.D. 21 other teachers. B.Com., I.A., I.Sc.

RAIGANJ, *Raiganj College*, West Dinajpur. Principal—K. Saraswati, M.Sc., LL.B. 8 other teachers. I.A.

RAMPURHAT, *Rampurhat College*, Birbhum. Principal—H. K. Roy, M.A., LL.B. 12 other teachers. I.A., I.Sc.

RANAGHAT, *Ranaghat College*, Nadia. Principal S. C. Sarkar (Offg.), M.A. 11 other teachers. I.A., I.Sc.

SANTIPUR, *Santipur College*, Nadia. Principal—T. C. Chaudhuri, M.A., Ph.D. 11 other teachers. I.A., I.Sc.

SERAMPORE, *Serampore College*, Hughli. Principal—C. Abraham, M.A., D.D. 26 other teachers. B.A., B.Sc., I.A., I.Sc. Also awards its own Theological degrees.

SIBPUR, *Dinabandhu Institution*, 412–1 G.T.R., Sibpur, Howrah. Principal—B. K. Bhattacharyya, M.A. 25 other teachers. B.A., B.Com., I.Sc., I.A.

SILIGURI, *Siliguri College*, Darjeeling. Principal—B. C. Guha, M.A. 11 other teachers. I.A., I.Sc.

SONADA, *Salesian College*, Darjeeling. Principal—P. Paviotti. I.A.

SURI, *Vidyasagar College*, Birbhum. Principal—A. K. Sen, M.A. 23 other teachers. B.A., I.A., I.Sc.

TAKI, *Taki Government College*, 24 Parganas. Principal—B. Ghosh, M.A. 11 other teachers. I.A., I.Sc.

TAMLUK, *Tamralipta Mahavidyalaya*, Midnapur. Principal—D. Chaudhuri, M.A., LL.B. 16 other teachers. B.A., I.Sc., I.A.

ULUBERIA, *Uluberia College*, Howrah. Principal—H. P. Ghosal, M.A. 11 other teachers. I.A., I.Sc.

UTTARPARA, *Uttarpara Raja Pearymohon College*, Hughli. Principal—K. G. Gupta, M.A., LL.B. 17 other teachers. I.A., I.Sc.

## GENERAL INFORMATION

**In July 1854 the Court of Directors of the East India Company sent a despatch to the Governor-General of India in Council directing the organiza-**

tion of the Universities of Calcutta, Madras and Bombay. In pursuance of that despatch the University of Calcutta was incorporated on Jan. 24, 1857. 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 the territorial jurisdiction has now been limited to the State of West Bengal only, and further limited by the establishment of Visva-Bharati. The West Bengal Secondary Educn. Bd. took the Univ.'s control of management and examn. of about 1100 High Engl. Schools in W. Bengal in 1951.

According to the recommendations of the Universities' Commission, the Indian Universities Act of 1904 was passed. Act VIII of 1904 empowered the University to make necessary arrangements for the instruction of students by appointing Professors and Lecturers, maintaining Libraries and Laboratories, etc. 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. 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 1921 to 1923. In 1917 a new scheme for Postgraduate teaching and research centralized postgraduate teaching in Calcutta within, and under the control of, the University.

The departments of Postgraduate teaching in Arts, Science and Technology are placed under three Councils, with three 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. and Appl. Psychol.; (27) Anthropol.; (28) Statistics; (29) Geography; (30) Radio-Physics and Electronics; (31) Education.

Provisions for B.Sc. (Technol.) courses in Jute, Textile and Leather Technol. have been made and arrangements for teaching are being made in some Colls. which have sought affiliation. M.Sc. (Tech.) courses in Appl. Chem., Appl. Phys. and Radio-Phys. have been provided in Postgrad. Technol. Dept.

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 and Technological 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 up-to-date Workshops. This has been possible mainly through the generosity of the late Sir Taraknath Palit, the late Sir Rashbehary Ghose and the late Raja of Khaira. The University maintains a staff of whole-time and part-time teachers. The Institute of Nuclear Physics and the Institute of Radio-Physics and Electronics have been established at 92 Upper Circular Road.

The Univ. buildings include a Senate House, the Darbhanga Building, 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 at 92 Upper Circular Road and 35 Ballygunge Circular Road. LABORATORIES (in Univ. Coll.

of Science): Phys. and Chem. (Pure and Applied), Applied Maths., Psych., Biol., etc. Inst. of Nuclear Physics. MUSEUMS: Asutosh Museum of Indian Art (including Art collections of the late Puranchand Nahar) and Museums attached to the Anthropological and Commercial sections of the Univ. The University Press is accommodated in a separate building at 48 Hazra Road, Calcutta.

The usual Language of Instruction is English.

CONSTITUTION. The Syndicate consisting of 17 members is the executive authority of the Univ. The Vice-Chancellor is the Chairman and the admin. is carried out by the Vice-Chancellor and Syndicate. The Senate, consisting of 100 elected or nominated members, 9 *ex-officio* members and the Chancellor, besides one honorary Fellow, is the supreme law-making body, having power of making appts. and creating posts and depts.

The newly passed Calcutta Univ. Act envisages many radical changes. Regulations in accordance with its provisions are being framed. It provides for Senate, Syndicate, Academic Council with larger representation of elected elements, besides normal Faculties, Bds., etc.; and for decentralization of postgrad. teaching. Arrangements for first elections to the Senate according to this Act have been made.

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 220,113 vols., excluding pamphlets and periodicals, and a fairly large collection of Bengali and Tibetan MSS. and Rotograph copies of Persian and Arabic MSS.; 593 books of the Sung Dynasty Tripitaka were presented by the Consul-General for China. The Reading Hall accommodates over 300 readers at a time and remains open for 14 hours on all working days and 7 hours on Sundays.

Besides this central library, there are other libraries attached to the Univ., viz. Law College Library and Libraries of the Departments of Science.

FACULTIES AND DEANS. *Arts*, S. K. Banerjee, M.A., LL.B., Ph.D.; *Engin.*, P. C. Bose, B.Sc. Glas.; *Law*, S. N. Banerjee, M.Sc., LL.D.; *Med.*, L. M. Banerjee, M.S., F.R.C.S.; *Sci.*, S. N. Bose, M.Sc.; *Technol.*, S. K. Mitra, D.Sc., F.N.I.; *Vet. Sci.*, B. C. Das Gupta, B.Sc., M.B., D.T.M. & H., D.P.H.

DEGREES. *Arts*: B.A., M.A., B.Com., 2 yrs.; B.T., 1 yr.; D.Phil. (thesis); D.Litt. (thesis). *Engin.*: B.E., 4 yrs.; M.E. (thesis); B.Arch., 5 yrs.; D.Sc.Eng. (thesis); M.Arch. (thesis); M. Planning, 2 yrs.; M.Sc. (Public Health), 1 yr. *Law*: LL.B., 3 yrs.; LL.M. (any Law grad. may sit for the examn.); LL.D. (thesis). *Med.*: M.B., B.S., 5 yrs.; M.D., M.S. and M.O. (thesis); B.D.S., 4 yrs.; D.Sc. (Public Health) (thesis). *Sci.*: B.Sc., M.Sc., 2 yrs.; B.Sc.Ag., 3 yrs.; D.Phil. (thesis); D.Sc. (thesis). *Technol.*: B.Sc. (Tech.), 2 yrs.; M.Sc. (Tech.), 3 yrs. *Vet. Sci.*: course not yet determined.

DIPLOMAS AND CERTIFICATES. *Med.*: Dip. in Dietetics, D.T.M. & H., 1 yr.; Dip. in Child Health, Ophthalmic Med. and Surg., 2 yrs.; Dip. in Ind. Health, D.P.H., D.G.O., about 2 yrs.; Tuberculous Dis., Maternity and Child Welfare, about 2½ yrs.; Med. Radiol. and Electrol., 4 yrs. *Engin.*: D.T.R.P., 2 yrs. *Others*: I.A., I.Sc., I.Sc.Ag., 2 yrs.; Cert. in Lang., Dip. in Lang., Dip. in Librarianship, Dip. in Soc. Work, Dip. in Soap. Tech., Dip. in Dom. Sci., Dip. in Spoken English, 1 yr.; Dip. in Journalism, 2 yrs.; Cert. in Tanning, 3 yrs.

INCOME (1952–53). Total income—Rs. 55,13,629. Principal sources—Govt. grant—30 per cent., Examn. fees—28 per cent., other fees—14 per cent.

DEPARTMENT OF TEACHING, 95 Russa Road, Calcutta (*Telephone*: South 1868). Arrangements have been made in this Dept. for teaching the B.T. Course. The Dept. also organizes lectures in postgraduate teaching in Education.

ENTRANCE REQUIREMENTS. A certificate of passing Univ. Matric. Examn. (up to 1951) or Sch. Final Examn. of W. Bengal Secondary Bd. of Educn. (from 1952), or any examn. considered by Syndicate as its equivalent. Applications of foreign students considered on their merits.

FEES. Examn. fees range from Rs. 30 for I.A. to Rs. 80 for M.A. D.Phil. and D.Litt. Examns.: Rs. 200 and Rs. 300 respectively. Tuition fees: there is no standard rate of tuition fees. Such fees vary from Coll. to Coll. and for different courses.

SCHOLARSHIPS, ETC. (*a*) In India—Premchand Roychand, Rs. 2400 p.a., tenable for 2 yrs., awarded annually, 1 in Lit. and 1 in Science; Sir Praphullachandra Ray Fellowships, 2 at Rs. 200 p.m. each, for researches in Chemistry. Sir Jagadischandra Bose Fellowship, Rs. 150 p.m., for promotion of Physico-Biological Research. Bipradas Pal Chowdhury Fellowship (Rs. 50,000 Endowment)—for foreign scholars to study in India. Dr. K. K. Raha Scholp. (Rs. 75 p.m., tenable for 3 yrs.). Biharilal Mandakini Scholp. (Rs. 100 p.m., ordinarily for 1 yr.). Jnanendra Mohan Sen and Sarala Sen Scholp. (3 are awarded; Rs. 70 p.m., tenable for 1 yr.). Kalyan Kumar Mukherjee Scholp. (Rs. 140 p.m., tenable for 1 yr.) (awarded biennially). 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. 2500 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 (no fixed amount), for Research or Investigation out of India for 1 yr.; Radhikamohan, 1 (Rs. 4500) Endowment, for advanced study abroad, tenable for 2 yrs. by Bengali Brahmins; founded by Prof. H. C. Mookerjee—(i) Lalchand Mookerjee Scholarships, Rs. 1,87,000 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. 2,00,000 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. 100,000 Endowment, for training in Applied Commerce and Engin. for Bengali Protestant Christian students; (iv) Sudhir Kumar Mukherjee Endowments, for various purposes—Rs. 3,00,000; (v) Bangabala Mookerjee Endowments, Rs. 1,56,000. Rs. 56,000 for Higher Trg. of Nurses.

RESIDENCE. There are three classes of lodgings for students: (*a*) Collegiate Hostels; (*b*) Non-collegiate Hostels under external management; (*c*) Messes, attached or unattached. Licences to Hostels under class (*a*) are granted by the Syndicate, while licences to the remaining two 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. Seat rents vary from Rs. 7 to Rs. 12 p.m. Messing charges from Rs. 55 to Rs. 75 p.m. 66 such Hostels and Messes exist with

total accomm. for 4154 students. Of these 13 are for women only, having 700 places. All these are located in Calcutta.

STUDENTS' WELFARE. Dept. undertakes med. examns. of students.

SPORTS BOARD. Organizes inter-coll. and inter-university physical activities.

STUDENTS' ADVISORY BOARD (OVERSEAS). The University has established a Board for the purpose: (*a*) of supplying students wishing to pursue their education abroad with all the information, advice and assistance which they may require; (*b*) of supplying the foreign Univ. authorities with information regarding the students which will enable them to make their selections from the applications forwarded.

APPOINTMENTS AND INFORMATION BOARD. Established in 1937, the Board seeks to provide young men with opportunities and facilities for practical training and ultimately for starting independent careers in the different branches of trade, industry and commerce. It has now become a permanent department of the University, with a salaried Secretary who is in touch with the various industrial and commercial firms and maintains a Register of candidates, with details of their qualifications and careers, seeking benefit under the scheme.

INSTITUTE OF JUTE TECHNOLOGY. Established under auspices of this Univ. by the Indian Jute Mills Assocn., through the efforts of the Assocn. and the Univ. Appts. Board, the Inst. has been located within the compound of the Univ. Coll. of Science at 35 Ballygunge Circular Road, Calcutta, 19. (*Telephone*: PK. 1985.) The maintenance of the Inst., 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 be financed by the Assocn. The Institute will train annually 50 Science grads. or undergrads. Steps have been taken to start a Cert. Course in Jute Technol.

DEPARTMENT OF SOCIAL WORK. The Appointments Board, in collaboration with industries and 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. 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 and Business Management, where facilities for training both in general as well as industrial welfare will be provided, has been 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.

STUDENTS' UNIONS. There are Students' Unions in Colls. and various extra-academic activities are normally organized by them.

PUBLICATIONS. *Calendar*, Rs. 7·8; its supplement volumes, subsequent to the year 1942, each vol. Rs. 3; *Univ. Regulations*, Rs. 7; *Convocation Addresses*, 1924–32 and 1915–23, each Rs. 5; *Calcutta Review*, monthly,

annual subsn.. Rs. 7·8 inland, 14 shillings foreign; *Journals* of Depts. of Letters, vols. i to xxxiii, Rs. 6 each, vol. xxxiv, Rs. 5; *Journal* of the Dept. of Science, vols. i to x, Rs. 4·8 per vol.; New Series, vol. i, Part I, Rs. 6 per vol., and Rs. 2 each part; vol. i, No. 2, Rs. 2; vol. i, No. 3, Rs. 2; vol. ii, No. 1, Rs. 2; Sir Asutosh Mookerjee Silver Jubilee volumes—vols. i, ii and vol. iii in 3 parts, Rs. 11·4 each; *Bulletin* of Math. Society, etc. Other publications (over 600 vols.) on Ancient Indian Culture, History, Philosophy, Law, Economics, Mathematics, Language, Education and Science. Catalogue of University Publications may be had on application to the Registrar.

UNIVERSITY PRESS. Supt.: S. Kanjilal, B.Sc., Dip.Print. Manc. The Univ. undertakes the publication of specialized lectures delivered by the Univ. Professors, Lecturers and Readers, theses of successful candidates for degrees, scholarships and prizes, and results of research work carried out by Univ. Professors, Lecturers and Research Assts., besides a number of periodicals, annuals and serials.

## THE YEAR 1951-52

BENEFACTIONS. Various donors: Rs. 12,000, for medals or scholps.

CHANGES IN REGULATIONS. New courses: Cert. and Dip. courses in Langs.; Degree in Dental Surg. Revision of existing courses: M.B., B.S., B.E. Examns.

NEW BUILDINGS. Construction of Nuclear Phys. and Radio-Phys. and Electronics Bldgs. completed.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. Niharranjan Ray, Visiting Prof., Wash.

RESIGNATION. Prof. S. Chatterjee, apptd. Chairman, West Bengal Legislative Council.

DEATHS. Dr. H. Pandya, P. N. Mukherjee, A. H. Harley, formerly Fellows.

HONORARY DEGREES. *LL.D.*—Dr. Rajendra Prasad, President, Republic of India, former student; Sri S. N. Banerjee, Vice-Chancellor, former Justice of the High Court, former student. *D.Litt.*—Dr. H. C. Mookerjee, Govr. of W. Bengal, Chancellor, former student.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 54,982 |
| Women | .. | 6,975 |
| Total | .. | 61,957 |

Postgraduate students, 2454.
New admissions, 18,371.

DEGREES AWARDED. *Arts*: D.Phil., 9; M.A., 656; B.A., 1056; B.Com., 1195; B.T., 291. *Engin.*: B.E., 114; M.E. (Pub. Health), 5. *Law*: LL.B., 173. *Med.*: M.D., 3; M.S., 1; M.O., 3; M.B., B.S., 193. *Sci.*: D.Sc., 1; D.Phil., 38; M.Sc., 223; B.Sc., 1490.

DIPLOMAS AWARDED. *Arts*: Dipl. in Librarianship, 4. *Engin.*: D.T.R.P., 3. *Med.*: D.M.C.W., 1; D.G.O., 18; Dip. in Dietetics, 9; D.O.M.S., 4; D.P.H., 51; D.I.H., 7; D.T.D., 8. *Sci.*: Dip. in Appl. Psychol., 3; Dip. in Soap Technol., 2.

# UNIVERSITY OF DELHI †

Founded 1922

*Postal Address*: Delhi 8, India.
*Telegraphic Address*; University, Delhi, India.
*Telephone*: Delhi 24121-24123, 24478, 24497.

VISITOR—THE PRESIDENT, UNION OF INDIA.

CHIEF RECTOR—The CHIEF COMMISSIONER OF THE STATE OF DELHI.

CHANCELLOR—Sir S. RADHAKRISHNAN, M.A., D.Litt., Litt.D., LL.D., D.L., D.C.L., F.B.A., Vice-President of India.

PRO-CHANCELLOR—M. PATANJALI SASTRI, Chief Justice of India.

VICE-CHANCELLOR—G. S. MAHAJANI, M.A., Ph.D.

HON. TREASURER—M. S. BHATNAGAR.

REGISTRAR—T. P. S. IYER, M.A.

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LIBRARIAN—S. DAS GUPTA, M.A.

PROCTOR—RAM BEHARI, M.A., Ph.D., Sc.D. Camb.

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(S.), (H.), (R.), (D.), (C.), (HR.), (Nir.), (I.), (M.) and (K.) denote St. Stephen's, Hindu, Ramjas, Delhi, Shri Ram College of Commerce, Hansraj College, Nirmala College, Indraprastha College for Women, Miranda House (Univ. Coll. for Women) and S.G.T.B. Khalsa College respectively. (N.), (CCA.), (CIE.), (DSE.), (SW.), (LHMC.), (DP.), (DB.) and (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, Delhi Polytechnic, Deshbandhu College and Lady Irwin College respectively.

*Agriculture*

Mirchandani, T. J., M.Sc., Ph.D. Lond. Reader (CCA.).

Singh, J., Ph.D. Wales (CCA.).

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Iswaran, V., M.Sc. (CCA.).
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*Anthropology*

Biswas, P. C., M.Sc. Calc., Ph.D. Berl. Reader.*

Lecturers

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Mehra, J. D., M.Sc.

*Arabic*

Fariq, K. A., M.A., Ph.D. Alig. (D.).

*Architecture*

Ghuman, E. S., B.Sc. (Arch.) (DP.).
Dutt, P. N., Dip. in Arch. (DP.).
Vaidya, V. B., Dip. in Arch. (DP.).
Jhabvala, G. S. H. (DP.).
Rana, M. M. (DP.).
Vazirani, V. N., B.E.
Sankaralingam, S., B.E. (Civil), C.E. (DP.).

*Bengali*

Choudhuri, N. N., M.A., Shastri Reader (R.).
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Sen, Nandita, M.A. (Pt.-time) (I.).

*Botany*

Maheshwari, P., D.Sc. Prof.*

Readers

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Johri, B. M., D.Sc.*

Lecturers

Nanda, K. K., M.Sc., Ph.D. Bom.*
Tandon, S. L., M.Sc.* (on leave).
Narayanaswami, S., M.Sc.*
Sanwal, B. D., M.Sc.*
Venkatesh, C. S., M.Sc.*
Singh, V. P., M.Sc.*
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Das, B. K., M.Sc. (H.).
Das, P., B.Sc., LL.B. (H.).
Garg, O. P., M.Sc. Panj. (D.).
Chopra, Mrs. Naima, M.Sc. Panj. (LI.).
Sharma, G. R., B.Sc. (Ag.) (CCA.).
Gera, S. D., M.Sc. (CCA.).
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*Chemical Engineering*

Desai, M. H., B.Sc., Ph.D. Lond. (DP.).
Gupta, S. M. D., M.Sc., Ph.D., M.S. U.S.A. (DP.).
Daruwala, E. D., B.Sc. (Tech.), Ph.D. Manc. (DP.).
Deshpande, R. C., B.Sc. (Tech.), Ph.D. (DP.).
Salgar, M.A., B.Sc. (Tech.) (DP.).
Krishna, N. G., B.Sc., M.Sc. (Tech.), M.Ch.E. (DP.).
Mandal, A. K., M.Sc., M.S. (DP.).
Vishwanathan, M. S., B.Sc. (Tech.), M.S. Pitt. (DP.).
Baliga, M. N., M.Sc. (Tech.), Ph.D. (DP.).
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Datta, R. L., M.Sc. (Appl. Chem.), Ph.D., D.I.C. (DP.).
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*Chemistry*

Seshadri, T. R., M.A., Ph.D. Prof.*
Bhatnagar, S. S., D.Sc., F.R.S. Hon. Prof.*
Mitra, R. P., D.Sc. Prof.*
Jain, B. D., Ph.D. Reader.*
Mathur, K. B. L., D.Sc. Agra.*
Saharia, G. S., Ph.D. Reader.*

Lecturers

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Kar, K. R., Ph.D.*
Singh, R. P., M.Sc. Alld.*
Johri, K. N., M.Sc.*
Khosla, B., M.Sc.*
Sreeramamurthy, V. V., D.Sc.*
Pakajamony, Miss K., M.Sc.*
Mathur, H. B., M.Sc.* (on leave).
Gaur, H. C., M.Sc., Ph.D.*
Varadarajan, S., M.Sc.*
Gupta, S. R., M.Sc.
Krishnamurthy, M., M.Sc.
Jain, A. C., M.Sc.
Rajagopalan, D., M.Sc. Res. Asst.*
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Neelakantan, S., M.Sc.
Sehgal, J. M., M.Sc.
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Aggarwal, A. L., M.Sc. Panj. (H.).
Jain, B. L., B.Sc. (H.).
Narula, J. L., M.Sc. (R.).
Suri, S. P., M.Sc. (D.).
Kumria, R. L., M.Sc. (D.).
Soni, P. L., M.Sc. Panj. (HR.).
Multani, R. K., M.Sc. Panj. (HR.).
Puri, Vimla, M.Sc. Panj. (LI.).
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*Chinese Studies*

Kaung, C. H. Lectr.

*Commerce and Geography*

Vaish, J. N., M.A. Calc., F.C.A. (C.).
Shandilya, M. L., M.A., B.Com. Calc., LL.B. Alld. (C.).
Shukla, M. C., B.A., B.Com. Birm. (C.).
Sadanah, K. L., B.A. Lond., M.A. Panj. (C.).
Gupta, R. K., M.Com. Alld. (on leave) (C.).
Sahai, V., B.A., F.C.A. (Pt.-time) (C.).
Sud, P. L., B.A., B.Com. (Pt.-time) (C.).
Gupta, C. B., M.A., B.Com. Agra (C.).
Kapoor, M. C., M.Com. Agra (C.).
Grewal, T. S., M.A. Calc. (C.).
Gautam, J. K., M.Com. Alld. (C.).
Prakash, A., M.A., LL.B. (C.).
Ghose, P. K., M.Com. (R.).
Gupta, L. N., M.Com. (Pt.-time) (C.).
Bhattacharya, M. K., M.A. Calc. (D.).
Muskin, B. S., M.A. (D.).
Chandra, K., M.Com. (K.).
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Tandon, B. N., M.A.(Com.) (DP.).
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Gideon, G. S., B.Com., M.A. (DP.).
Jain, H. M., M.Com. (DP.).
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*Economics*

Rao, V. K. R. V., M.A., Ph.D. Camb., D.Litt. Prof.*
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Dhar, P. N., M.A. Lectr.*
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Krishna, R., M.A. (D.).
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Maskin, B. S., M.A. (D.).
Narain, D., M.A. (HR.).
Khatri, J. D., M.A. Panj. (HR.).
Barpujari, B. K. (HR.).
Dempsey, Rev. Father B., M.A., Ph.D., LL.D. (Nir.).
Sundaram, K. P. M., M.A. (Nir.).
Panniah, J. S. (Pt.-time) (Nir.).
Kausukutty, Miss C. K., M.A. Madr., M.Sc. Lond., L.T. (I.).
Bose, Miss M., M.A., B.T. (I.).
Rau, Mrs. Shakuntala, M.A. (I.).
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Ahluwalia, Samlita, M.A. (Pt.-time) (I.).
Jankiamma, Miss A. C., M.A. Madr. (M.).
Sastri, Kanthimathi, M.A., M.Litt. (M.).
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*Education*

Basu, A. N., M.A. Lond. Reader (CIE.).
Pires, E. A., M.A., Ph.D. Bom., M.A. Lond. (CIE.).
Roy, P. K., M.A. Calc., B.Ed. Edin. (CIE.).
Prakash, Mrs. Rajeshwari, M.Ed. Harv., M.A., L.T. (CIE.).
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Sandhu, Mrs. Sheila, M.A., B.T. (CIE).
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Pandey, B. N., M.A., L.T. (CIE.).
Attavar, Mrs. S. (LI.).
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*Electrical Engineering*

Luthra, S. P., B.Sc. (Engg.), Ph.D (Engg.) (DP.).
Venkataramania, T. R., B.Sc. Elect. Engg. (DP.).
Narayanan, R. C., M.Sc. Elect. Engg. (DP.).
Singh, B., M.Sc., B.Sc. (Engg.) (DP.).
Nayak, U. L., B.Sc (Engg.). (DP.).
Rao, S. R., B.E. (DP.).

*English*

Walker, C. E., M.A. Oxon. (S.).
Bhalla, M. M., M.A. Panj. (S.).
Jarvis, Rev. W. A. W., M.A. Oxon. (S.).
Ramsden, W. S., M.A., LL.B. Luck. (S.).
Capron, Rev. Canon R. S., M.A. Camb. (S.).
Adlam, R., Tripos Parts I and II (S.).
Bhattacharyya, A., M.A. Oxon. and Calc. Reader (H.).

Sood, P. C., M.A. Luck., B.A. Oxon. (H.).
Gupta, R. R., M.A. (H.).
Singh, S., M.A. (H.).
Raina, S. P., M.A. Panj. (H.).
Nath, V., M.A. Panj. (H.).
Chawla, S. S., M.A. Oxon. (H.).
Mitra, B. N., M.A. (H.).
Das Gupta, R. K., M.A., Ph.D. (H.).
Sawhney, B., M.A. (H.).
Kumar, S., M.A. (H.).
Gupta, B. B., M.A. (R.).
Chopra, R. P., M.A. (R.).
Sharma, R. C., M.A. (R.).
Gupta, M. R., M.A. (R.).
Verma, B. L., M.A. (R.).
Lal, M., M.A. (R.).
Damodaran, A., M.A. (R.).
Chadha, G. L., M.A. (R.).
Bahadur, U., M.A., Ph.D. Edin. (C.).
Mathur, P. K., M.A. (C.).
Mukerjee, G. C., M.A. Luck. (C.).
Lal, K., M.A. (C.).
Kalia, B. K., M.A. Panj. (D.).
Chatterji, A., M.A. (D.).
Ghose, M. N., M.A. Dacca (D.).
Sharma, G. N., M.A. Raj. (D.).
Sarkar, B. K., M.A. Calc. (D.).
Prashar, S., M.A. (D.).
Kaul, A. N., M.A. Panj. (D.).
Husain, M., M.A. Alig. (D.).
Sen, D. K., M.A. (D.).
Pillai, Mrs. B. P., M.A. Madr. (I.).
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Singh, Miss Uttam, M.A. (I.).
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Narain, I., M.A. Panj. (HR.).
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Guha, J. P., M.A. (HR.).
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Essauloff, Mrs. K., M.A. Madr. (M.).
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Choppeskey, Rev. Father J. C., M.A. (Nir.).
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*French*

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*Hindi*, v. Sanskrit

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Prasad, B., M.A., D.Litt. Prof.*
Saran, P., M.A., Ph.D. (on leave) Reader.*
Ram, D. R., M.A. Camb. (S.).
Kapadia, E. R., M.A. Lond. (S.).
Shankland, R. I., M.A. Lond., M.A. Oxon. (S.).
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Bhandari, D. R., B.A. Lond. Reader (R.).
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Prasad, A., M.A. (R.).
Vohra, M. L., M.A. (R.).

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Mehdi, S. H., M.A. Luck. (D.).
Hasan, S., M.A. Luck. (D.).
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Gandhi, S. S., M.A. Panj. (on leave) (HR.).
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Kaushik, Mrs. S., M.A. (I.).
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Thakurdas, Mrs. Indira, M.A. (I.).
Chakravarty, Miss Nomita, M.A. (I.).
Dua, Miss Shiva, M.A. Panj. (M.).
Mitra, Miss Roma, M.A. Calc. (M.).
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Singh, F., M.A. (K.).
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*Home Science*

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Gourie, Mrs. S., M.A. Brist., M.A. Madr. (LI.).
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Roy, Miss Roy (LI.).
Bhatt, Mrs. Indra N. (Pt.-time) (LI.).
Khanna, Mrs. Prabha, M.A. (Pt.-time) (LI.).

*Law*

Sivasubramanian, L. R., B.A., M.L. Prof.*
Vardachariar, S., D.C.L. Hon. Prof.
Ali, H., LL.D. Reader.*

Lecturers

Shrimali, M. L., M.A., B.Com., LL.M. (on leave).*
Jain, M. P., LL.M.*
Rohtagi, A. B., M.A., LL.B. (Pt.-time).*
Rohtagi, K. B., M.Com., B.C.L.
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Dhar, S., B.A., LL.M.*
Chawla, T. P. S., B.A., LL.B. Camb. (Pt.-time).*
Singh, H., M.A., LL.B., Ph.D. (Pt.-time).*
Gaur, D. N., M.A., LL.B.*
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Parkash, C., M.A., LL.B.*
Darja, H. R., M.A., B.L.*

*Library Science*

Das Gupta, S., M.A. Camb.* Reader.
Ranganathan, S. R., D.Litt.*
Ramabhadran, S. (Pt.-time).

*Mathematics*

Behari, R., M.A., Ph.D., Sc.D. Camb.* Prof.
Bhatnagar, P. L., M.A. Agra, D.Phil., D.Sc. Alld. Reader (S.).
Bhattacharya, P. B., M.Sc. Alld. (S.).
Sircar, S. C., M.A. Camb. (S.).
Morton, H. K., B.A. Camb. (S.).
Kapoor, J. N., M.A. (H.).
Sharan, J., M.A. (H.).

Chand, P., M.A. (H.).
Shah, S. C. R., M.A. (H.).
Uppal, P. N., M.A. (H.).
Mitra, J. N., M.A. (R.).
Gupta, P. D., M.A. (R.).
Saxena, H. C., M.A. (R.).
Singhal, M. K., M.A. (R.).
Mehra, H. R., M.A. Panj. (D.).
Shankar, H., M.A. Ban. (D.).
Gupta, S. S., M.A. (D.).
Rattan, V., M.A. (C.).
Goswami, G., M.A. Calc. (I.).
Prakash, Mrs. N., M.A. (I.).
Narayan, S., M.A. Panj. (HR.).
Dass, B., M.A. Panj. (HR.).
Mehra, B. B., M.A. (HR.).
Thakurdas, Miss Veda, M.A. Camb., M.A. Panj. (M.).
Bhar, Miss Ramala, M.A. Calc. (M.).
Singh, Mrs. S. M., M.A. (M.).
Pahwa, Miss S., M.A. (Nir.).
Kaul, T. N., M.A. Panj. (Nir.).
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*Mechanical Engineering*

Sen, S. C., B.Sc. (Engg.) (Mech.) (Glass) (DP.).
Luthra, S. P., B.Sc. (Engg.), Ph.D. Lond. (DP.).
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*Medicine*

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Martin, Sheila, M.B., B.S. Panj., D.T.M. Calc. (LHMC.).
Joseph, R., M.B., B.S. Panj., D.O. Madr., D.O.M.S. Lond. (LHMC.).
Padmavati, S., M.B., B.S. Rangoon (LHMC.).
Dass, A., M.B., B.S. Panj. (LHMC.).
Brain, H. E., M.B., B.S. Panj. (LHMC.).
Bhatia, S. L., B.A., M.B., B.Chir. Camb. (LHMC.).
Lukose, G. M., F.R.C.S. (LHMC.).
Raghunath, P., M.B., B.S. Panj. (LHMC.).
Singh, B. K., M.B., B.S. (LHMC.).
Roy, B. B., M.B., B.S. Calc. (LHMC.).
Chand, S. D., M.B., B.S. Panj. (LHMC.).
Katrak, Miss B. N., M.Sc. Bom. (LHMC.).
Gayatonde, Miss N. S., B.Sc., M.Sc. (Tech.) Bom. (LHMC.).
Mathias, J., M.B., M.S., D.G.O. Madr. (LHMC.).
Thomas, Alice, M.B., B.S., D.G.O. Madr. (LHMC.).
Reys, Mary, M.B., B.S. (LHMC.).
Anand, B. K., M.B., B.S., M.D. (LHMC.).
Malhotra, C. L., M.D., B.S. (LHMC.).
Mukherji, Anjali, M.B., B.S. (LHMC.).
Gaind, Sushila, M.B., B.Sc. (LHMC.).

Sharma, Kesar, M.B., B.S. (LHMC.).
George, Mrs. M., M.B., B.S. (LI.).

*Nursing*

Craig, Margaretta, M.A., B.Sc. Reader (N.).
Buchanan, Edith, B.A. (N.).
Bhatia, B. D., M.A. (N.).
Thomas, Mrs. A. (N.).
Alleykutty, Miss K. P. (N.).
Devadas, Mrs. R. P., M.Sc., M.A., Ph.D. (N.).
Jones, Miss C. E. Clifford (N.).
Orbell, Miss E. (N.).
Hukku, S., B.A., Dip. in Dom.Sc. (N.).
Johnstone, Miss E. K. (N.).
14 External Lectrs. (N.).

*Panjabi*

Singh, S., M.A., M.Ed. (Pt.-time) (H.).
Singh, B., M.A. (D.).
Singh, S., M.A., M.Ed. (Pt.-time) (I.).
Ashta, D. P., M.A., B.T., Gyani (Nir.).
Singh, P., M.A., Gyani, Munshi Fazil (Nir.).
Kohli, S. S., M.A. (K.).
Dil, B. S., M.A. (K.).

*Persian and Urdu*

Abidi, S. A. H., M.A., Ph.D. Agra (S.).
Sarup, B., M.A., M.O.L. (H.).
Ranjan, C. R., M.A. (R.).
Sharma, R. C., M.A. (R.).
Musavi, M. H., M.A. Alld. Reader (D.).
Sadarangani, H. I., M.A., Ph.D. Bom. (D.).
Vashishta, S. P., M.A. (D.).
Faruqi, K. A., M.A. Agra (D.).
Jan, S. A., M.A. (C.).
Zutshi, T. N. (I.).
Sehgal, A. N., M.A., M.O.L., Munshi Fazil (Nir.).
Singh, P., M.A., Munshi Fazil (Nir.).
Mathur, J. N., M.A. (Pt.-time) (K.).

*Philosophy*

Bose, S. K., M.A., B.A. Camb. (S.).
Ray, B. N., M.A. Calc., Ph.D. Dacca (S.).
Saxena, S. K., M.A. (H.).
Chand, P., M.A. (H.).
Banerjee, N. V., M.A. Calc., Ph.D. Lond. Reader (R.).
Kaul, B. N., M.A. Alld. (R.).
Das Gupta, Miss B., M.A. Calc. (I.).
Sherjung, Mrs. N., M.A., B.T. (I.).
Kumar, S., M.A. (I.).
Chakravarty, Mrs. N., M.A. (I.).
Begg, M. M., M.A. (D.).
Basit, A., M.A. Alig. (D.).
Haldar, M. K., M.A., Ph.D. Lond. (D.).
Pandeya, A. N., M.A. Luck. (HR.).
Vati, Miss Vidya, M.A. Panj. (M.).
Pal, Mrs. Usha, M.A. (M.).
Mahanty, Shakuntala, M.A. (M.).
Bir, K., M.A. Panj. (Nir.).
Bachhuber, Rev. A. H., M.A. (Nir.).
Chanana, Mrs. V., M.A. (Nir.).
Thomas, Mrs. M. A. (DB.).

*Physics*

Majumdar, R. C., Dr.Phil.Nat. Jena* Prof.
Kothari, D. S., M.Sc., Ph.D. Hon. Prof.
Kichlu, P. K., D.Sc., F.N.I.* Prof.
Rai, R. N., M.Sc., D.Phil.* Reader.
Saha, N. K., D.Sc.* Reader.
Auluck, F. C., Ph.D., D.Sc. Panj.* Reader.

Lecturers

Singh, T., M.Sc.*
Verma, A. R., M.Sc.* (on leave).
Choudhury, M., M.Sc.*
Nandi, S. K., M.Sc.*
Bhowmick, B., M.Sc.*

Ram, S., M.Sc.*
Singh, H., M.Sc.*
Ram, M., M.Sc., Ph.D.*
Kishore, J., M.Sc.*
Sagar, Mrs. N. D., M.Sc.*
Nigam, B. P., M.Sc.* (on leave).
Mitra, A. N., M.A.* (on leave).

Research Assistants*

Puri, A. N., M.Sc. Panj. (H.).
Sarup, D., B.Sc. (H.).
Datta, G. L., M.A. (Phys.) Calc., Ph.D. Gött. Reader (HR.).
Gulati, H. R., M.Sc. Panj. (HR.).
Mukerjee, S. P., M.Sc. Panj. (HR.).
Vedavalli, Miss P., B.Sc. Annam. (LI.).
Katti, P. K., M.Sc., Ph.D. (DP.).

*Political Science*

Chacko, C. J., M.A., Ph.D. Reader.
Agarwal, N. N., M.A. (H.).
Bhandari, D. R., B.A. Lond. (R.).
Anand, P. L., M.A. (R.).
Vohra, M. L., M.A. (R.).
Prasad, A., M.A. (R.).
Paul, S., M.A. Dacca (D.).
Singh, R., M.A. (D.).
Singh, V. P., M.A. Alld., Ph.D. (C.).
Suri, C. L., M.A. (Nir.).
Mathur, R. N., M.A., Ph.D. (K.).
Lumba, Mrs. Pramila, M.A., Ph.D. (DB.).

*Russian*

Shibayev, V., M.A.* Reader.
Essauloff, A.* Lectr.
1 Tutorial Asst.

*Sanskrit and Hindi*

Nagaich, N., M.A., D.Litt. Reader.*
Kocher, H. V., M.A. Alld. and Agra (S.).
Yogi, S. B., M.A., Shastri (S.).
Shastri, S. N., M.A., D.Phil. (H.).
Ojha, D., M.A. (H.).
Ashrey, R., M.A., LL.B. (H.).
Gupta, C. B., M.A. (H.).
Mahajan, B. R., M.A. (H.).
Choudhuri, N. N., M.A. Calc., Shastri Kavya-Vyakarana-Tirtha Reader (R.).
Sharma, G. R., M.A. (R.).
Snatak, V., M.A. (R.).
Saroj, B. B., M.A. (R.).
Hans, U. B., M.A., Shastri (R.).
Mahajan, B. R., M.A. (C.).
Nigam, S. N., M.A. (D.).
Jain, V. K., M.A., Ph.D. (D.).
Bhatt, B. N., M.A. Agra (D.).
Sengupta, Miss Prabha, M.A. Calc. (I.).
Sinha, Mrs. Savitri, M.A., Ph.D. (I.).
Aggarwal, Miss S., M.A. (I.).
Srivastava, Mrs. Snehlata, M.A. (I.).
Ranade, Miss S., M.A. (I.).
Bhatt, S., M.A. (I.).
Arora, Mrs. Rukmani, M.A. (I.).
Prakash, O., M.A., Ph.D. Agra, Shastri (HR.).
Chaudhary, S. D., M.A. Panj., Shastri (HR.).
Sircar, M. K., M.A. Calc. (HR.).
Bhanot, S. D., M.A., Ph.D. Panj. (on leave) (HR.).
Saroop, R., M.A., M.O.L., Shastri, Vidya Vachaspati (HR.).
Gopal, R., M.A. (HR.).
Mathur, Mrs. Shanti, M.A. Raj. (M.).
Chawdhry, Mrs. Sanyukta, M.A. Panj. (M.).
Garg, Miss Kamla D., M.A. Calc. (M.).
Shukla, Mrs. Laxmi, M.A. (M.).
Puri, V. R., M.A. (Nir.).
Sharma, G. R., M.A., M.O.L., Shastri (Nir.).
Ashta, D. P., M.A., B.T., Gyani (Nir.).
Ram, S., M.A. (Nir.).
Singh, H., M.A. (K.).
Gupta, Mrs. Asha, M.A. (LI.).
Kumari, Raj, M.A. (DB.).

*Sindhi*

Sadarangani, H. I., M.A., Ph.D. Bom. (D.).
Jhangiani, S. M., M.A. (DB.).

*Social Work*

Moses, Dorothy, M.A., B.T. Calc., Cert. Soc. Work Col., Cert. Soc. Service Liv. Reader (SW.).
Bhatt, Mrs. Divya, M.S. (SW.).
Sebastian, Miss A., M.A. (SW.).
Mathur, J. S., M.A. Agra and Delhi (SW.).
Pentz, Miss Deborah B., M.A. Chic. (SW.).
Joshi, Miss Manu, M.A. Col. (SW.).
Damle, Y. B., Ph.D. Bom. (SW.).
Gore, M. S., M.A. (SW.).

*Textile Engineering*

Surastava, R. N., D.T.M. (Tech.) (on study leave) (DP.).
Goswami, J. B., M.Sc. (DP.).
Saxena, K. S., D.T.M. Lond. (DP.).
Varma, H. K.
Ghosh, B. DP.).

*Zoology*

Bhatia, M. L., Ph.D., D.Sc. Reader.
Johri, L. N., D.Sc. Reader.*

Lecturers

Chaube, Miss Shakuntala L., M.Sc.*
Vishnoi, H. S., M.Sc.*
Chandy, Miss M., Ph.D.* (on leave).
Dutt, M. K., M.Sc.*
Menon, P. S., M.Sc.*
Sarkar, H. L., M.Sc.*
Sexana, K. N., M.Sc., D.Phil.*
Pant, N. C., M.Sc., Ph.D.

Research Assistants

Rajamannar, P. V., M.Sc.*
Bannerjee, S. P., M.Sc.*
Majumdar, N. N., M.Sc.
Nagar, S. K., M.Sc. Agra (D.).
Singh, S., B.Sc. (Ag.), Ph.D. Corn. (CCA.).
Pruttie, H. S., M.Sc. (CCA.).

## ADMINISTRATIVE AND OTHER STAFF

Proctor: R. Behari, M.A., Ph.D., Sc.D. Camb. (Univ.). Provost, Gwyer Hall: R. Behari, M.A., Ph.D., Sc.D. Camb. Master, Jubilee Hall: T. R. Seshadri, M.A., Ph.D. Deputy Registrar: S. K. Sarkar, M.A., B.L. Sports Officer: S. C. Nanda, M.A. Sec., Fac. of Science: R. K. Chhabra, B.Sc. Chief Accountant: K. Chander, B.A. (Com.).

## CONSTITUENT RECOGNIZED COLLEGES AND INSTITUTIONS

DELHI, *Central Institute of Education*, Univ. Enclave. (*Telephone*: 25509.) B.Ed. and M.Ed. Principal—E. A. Pires, M.A., Ph.D., T.D. 12 other teachers.

DELHI, *Delhi College*, Ajmeri Gate. (*Telephone*: 26802.) Pre-medical, Dipl. in Hindi and Urdu, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.Sc., M.A. Principal—M. M. Begg, M.A. 43 other teachers.

DELHI, *Delhi Polytechnic*, Kashmiri Gate. (*Telephone*: 24870.) Degrees in Elect. Engin., Mech. Engin., Chem. Engin., Textile Engin., Archit. and B.Com. Principal—S. C. Sen, B.Sc. (Engg.). 50 other teachers.

DELHI, *Delhi School of Economics*, Univ. Enclave. (*Telephones*: 24121/23, 5927-8.) Postgrad. Dipl. in Econ. Stats., Postgrad. Dipl. in Econ. Admin.,

M.A. (Economics) and Research. Director—V. K. R. V. Rao, M.A., Ph.D., D. Litt. 5 other teachers.

DELHI, *Delhi School of Social Work*, University Rd. (*Telephone*: 23991.) M.A. Social Work. Principal—Dorothy Moses, M.A., B.T., Cert. Soc. Work, Cert. Soc. Serv. 8 other teachers.

DELHI, *Deshbandhu College*, Kalkaji. (*Telephone*: 43168.) Pre-medical, B.A. Principal—Harish Chandra, M.A. 17 other teachers.

DELHI, *Hindu College*, Kashmiri Gate. (*Telephone*: 24345.) Pre-medical, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—A. Bhattacharyya, M.A. 44 other teachers.

DELHI, *Indraprastha College for Women*, Alipore Rd. (*Telephone*: 26253.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A. Principal—Miss B. Das Gupta, M.A. 34 other teachers.

DELHI, *Miranda House*, Univ. Enclave. (*Telephone*: 24123/15.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—Miss V. Thakurdas, M.A. Camb. 21 other teachers.

DELHI, *Nirmala College*, Qutab Rd. (*Telephone*: 26861.) Pre-medical, B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—..... 23 other teachers.

DELHI, *Ramjas College*, Darya Ganj. (*Telephone*: 23706.) B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—B. B. Gupta, M.A. 32 other teachers.

DELHI, *St. Stephen's College*, Univ. Enclave. (*Telephone*: 25086.) B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—D. Raja Ram, M.A. 25 other teachers.

DELHI, *S.G.T.B. Khalsa College*, Karol Bagh. Pre-medical, B.A., B.A. (Hons.), M.A. Principal—Sachdev Singh, M.A. 15 other teachers.

DELHI, *Shri Ram College of Commerce*, Darya Ganj. (*Telephone*: 23905.) B.A., B.A. (Hons.), M.A., B.Com., M.Com. Principal—J. N. Vaish, M.A. 22 other teachers.

NEW DELHI, *Central College of Agriculture*, Indian Agricultural Research Inst., Pusa Rd. (*Telephone*: 8876/1.) B.Sc. (Hons.) in Agric. Principal—T. J. Mirchandani, M.Sc., Ph.D. 19 other teachers.

NEW DELHI, *College of Nursing*, Jaswant Singh Rd. (*Telephone*: 41/135.) B.Sc. (Hons.) in Nursing. Principal—Miss M. Craig, M.A. 23 other teachers.

NEW DELHI, *Hansraj College*, Chitra Gupta Rd. (*Telephone*: 8813.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—G. L. Datta, M.A., Ph.D. 27 other teachers.

NEW DELHI, *Lady Hardinge Medical College*. (*Telephone*: 7201.) M.B., B.S. Principal—Carrol L. Birch, B.S.U., M.D., M.S., F.A.C.P. 29 other teachers.

NEW DELHI, *Lady Irwin College*, Sikandra Rd. (*Telephone*: 7747.) B.Sc. in Home Sc., B.Ed. Directress—Mrs. B. Tara Bai, M.A. 16 other teachers.

## GENERAL INFORMATION

The University was established by the Delhi University Act (Act VIII of 1922). The three existing men's Colleges in Delhi—St. Stephen's Coll., Hindu Coll., and Ramjas Coll.—were recognized as Colls. of the Univ. and their teachers as Univ. teachers. The Univ. began to function with the Facs. of Arts and Science; the Fac. of Law was instituted in 1924.

The original idea of the Govt. and Legislature was the establishment and

incorporation of a unitary teaching and residential Univ. on the model recommended, 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 the late Sir Maurice Gwyer became Vice-Chancellor, he submitted a five-yr. programme of development to the Govt. of India, which they accepted. The Govt. promised a grant of Rs. 37½ lakhs during 1943–48. With the aid of these grants, the Univ. instituted Professorships in Econs., Hist., Maths., Phys., Chem. and Bot., and the number of Readers and Lectrs. was 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.

The Delhi University Amendment Act, 1952, has made important changes, based on recommendations of Univ. Educn. Commission, 1950. Apptmt. to membership of authorities will be by rotation by seniority instead of by election. The Univ. now becomes a teaching and affiliating Univ. The affiliated Colls. would, however, be permitted to impart instruction only up to Bachelor's degree. The jurisdiction of the Univ. has been extended over the whole of Delhi State, instead of being limited to a radius of 10 miles from Convocation Hall. The President of India, who was the Chancellor, has now become the Visitor of the Univ. and the Chancellor will be an officer elected by the Court. Provision has also been made for the apptmt. of a Pro-Vice-Chancellor, if need be, to assist the Vice-Chancellor.

CONSTITUTION. The Chancellor is the head, the Vice-Chancellor the principal executive and academic officer, of the Univ. The following are the principal

Univ. authorities: the COURT, consisting of about 100 members; the EXECUTIVE COUNCIL, which is the executive body of the Univ. It consists of about 17 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. *Agriculture and Forestry*—Dr. T. J. Mirchandani; *Arts*—Prof. R. Behari; *Education*—A. N. Basu; *Law*—Prof. L. R. Sivasubramanian; *Medical Sciences*—Dr. R. Viswanathan; *Science*—Prof. D. S. Kothari; *Social Sciences*—Prof. V. K. R. V. Rao; *Technology*—S. C. Sen.

ADMISSION. Students are not eligible for admission to a degree course unless they have passed the Inter. Examn. of an Indian Univ. incorporated by any law for the time being in force, or the Higher Sec. Examn. of the Bd. of Higher Sec. Educn. for Delhi Province, or an examn. recognized as equivalent, and also possess any further qualifn. required. Candidates for admission must be 16 or, if admitted to the 2nd yr. of a degree course, 17 yrs. of age.

NON-MEMBERS OF THE UNIV. The Dean of a Fac. may permit a non-member of the Univ. to attend one or more courses of Univ. lectures or practicals on payment of the prescribed fees.

DEGREES. B.A. Pass, and Hons.; M.Lib.Sc., M.A.; B.Com.; M.Com.; B.Sc. Pass and Hons.; B.Sc. (Hons.) in Nursing; B.Sc. (Home Sci.); M.Sc.; LL.B.; B.C.L. (Hons. Course); LL.M., LL.D.; B.Ed.; M.Ed.; B.Sc. (Hons.) in Agric.; M.B., B.S.; B.E., B.Ch.E., B.Text., B.Arch.; Ph.D.

DIPLOMAS AND CERTIFICATES. Certif. of Prof. in Law (Panjab) (1 yr.); Certif. of Proficiency (2 yrs.), and Dipl. in Russian (3 yrs.); Dipl. in Tuberculous Dis. (1 yr.); Dipl. in Library Sci. (1 yr. postgrad.); Certifs. in French, German and Italian (1 yr.); Dipls. in Hindi and Urdu (2 yrs. each); Dipl. in Econ. Statistics (2 yrs.); Dipl. in Econ. Admin. (1 yr.).

FEES. Minimum tuition fees payable for 12 mos.: Undergraduate courses, Rs. 15 p.m.; postgraduate courses, Rs. 18 p.m. Fees for residence and cost of living vary from Rs. 60 to Rs. 75 p.m.

ENGLISH is the medium of instruction in the Univ. for all degree courses except in the Modern Indian Langs. Courses, where the Lang. concerned is used.

SCHOLARSHIPS 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. 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, 63,443 vols., apart from books in departmental libraries. Libraries of constituent colls., more than 148,592 vols. BOTANICAL MUSEUM.

RESIDENCE. Each coll. provides some residential accomm. for its own students. Univ. Halls: Gwyer Hall, accomm. for 92 postgraduate students in addition to a number of res. students and teachers; Jubilee Hall, accomm. for

68 students; medical officer. Both Halls are situated within the Univ. enclave. Monthly fees, Rs. 90 approximately.

N.C.C. (First Delhi Battalion). Authorized strength: 645 cadets and officers.

STUDENT ATHLETIC FACILITIES. There is a Univ. Athletic Assocn. and a Univ. Sports Officer. Sports facilities are provided by each of the colls. and halls. Games played include cricket, hockey, football, tennis and volley ball.

STUDENTS' UNIONS. Apart from the students' union in each coll., there is a central Univ. union.

PUBLICATIONS. *Code*; *Courses of Reading*; *Question Papers*; *Annual Report and Annual Accounts*; *Minutes*; *Convocation Addresses*.

## THE YEAR 1951–52

NEW BUILDINGS. Residential Quarters for Vallabhbai Patel Chest Inst.

NEW COURSES. M.A. in Pol. Sc.; M.A. in Panjabi; B.A. Hons. in Panjabi; Dipls. in Hindi, Urdu, Panjabi; postgrad. Dipl. courses in Econ. Admin. and Econ. Statistics; B.Sc. Hons. in Maths.; Bachelor's courses in Mech. and Electr. Engin.; Bachelor's courses in Textiles and Architecture.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. C. Kunhan Raja; Dr. T. T. F. Fletcher; Dr. A. Cutshall; Dr. W. F. Ogburn; S. Sankarananda; S. M. Banerjee; A. Tulsingani; H. K. Worner; Prof. von Glasenapp; N. S. Ram; Dr. W. Snow; Prof. N. K. Bose; Dr. S. Hayakawa, Osaka City Univ.; Dr. B. S. Dewitt; Mrs. Cecil Dewitt; Dr. Eric Ashby, Belf.; Prof. M. Heidelberger, Col.; Prof. J. B. S. Haldane, Lond.; Prof. H. Kihara, Kyolo; Prof. Y. Fujsoka, Tokyo Univ. of Educn.; Prof. H. A. Freeman, Corn.; Dr. M. R. Jayakar, Poona; Prof. F. A. Crew, Edin.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 533 | 5814 |
| Women | 17 | 1947 |
| Total | 550 | 7761 |

Postgraduate students, 1565.
New admissions, 3962.

DEGREES (Nov. 1951). B.Sc. (Hons.) in Agric., 9; B.A. Pass, 372; B.A. Hons., 242; M.A., 140; Ph.D., 4; B.T., 60; M.Ed., 13; LL.B., 118; B.C.L., 3; LL.M., 2; M.B., B.S., 24; B.Sc. Pass, 111; B.Sc. Hons., 81; B.Sc. (Hons.) in Nursing, 9; M.Sc., 30; M.Lib.Sc., 2; M.Com., 3.

[*Information compiled as at* 10/7/53.]

# UNIVERSITY OF GAUHATI

Founded 1948

*Postal Address* : Gauhati, Assam, India.
*Telegrams* : University Gauhati.
*Telephone* : Gauhati 101.

CHANCELLOR—THE GOVERNOR OF ASSAM.

VICE-CHANCELLOR AND CHAIRMAN OF THE EXECUTIVE COUNCIL—Professor KRISHNA KANTA HANDIQUI, M.A. Calc. and Oxon.

PRESIDENT, ACADEMIC COUNCIL—Professor KRISHNA KANTA HANDIQUI, M.A. Calc. and Oxon.

REGISTRAR—P. DATTA, M.A., B.L. Calc.

DEPUTY REGISTRAR—C. DAS, M.A., B.L. Calc.

ASSISTANT REGISTRAR—K. C. BHATTACHARYYA, M.A. Calc.

TREASURER—S. RAJKHOWA, B.A. Calc.

SECRETARY, UNIVERSITY CLASSES—B. K. BARUA, M.A., B.L. Calc., Ph.D. Lond.

## TEACHING STAFF

*Anthropology*

Lecturers

Deka, U., M.Sc. Calc.
Goswami, M. C., M.A. Calc. (on leave).
Pakrasi, K. B., M.Sc. Calc.

*Assamese*

Barua, B. K., M.A., B.L. Calc., Ph.D. Lond. Prof.

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. (on leave).
Kachroo, P. N., M.Sc.
Nayar, B. K., M.Sc.
Sarma, P. C., M.Sc., Ph.D. Lond., F.L.S.

*Commerce*

Sabharwal, D. C., M.A. Glas., B.Com. Edin. Prof.
Mitra, A. K., M.A., B.Com. Reader.

Lecturers

Agarwal, M. P., M.Com. Bom.
Goswami, P. C., M.A. Calc.
Mathur, A. S., M.A., Dip.S.S.A. Bom.
Saikia, K. N., M.A. Calc.
Sarma, A. K., M.A.
Joseph, A. C., M.Com. And.
Sengupta, S., M.A. Calc.

*Economics*

Thomas, P. C., M.A., Ph.D. Madr. Reader.

Lecturers

Gogoi, P., M.A. Calc.
Krishnamurthy, K., M.A. Madr.

Rao, V. V., M.A., Ph.D. Madr.
Sarangapani, S., M.A. Madr.

*Education*

Readers

Dasgupta, D. C., M.A., Ed.D. Calif.
Kar, B. C., M.A. Lond., M.A., B.T., T.D.
Mukherjee, N., M.Sc., Ph.D. Lond.

*English*

Choudhury, H., M.A. Calc. Lectr.
Goswami, P., M.A. Calc. Lectr.

*Geography*

Lecturers

Bhattacharyya, B., M.A. Calc.
Das, H. P., M.A. Calc. (on leave)
Misra, V., M.A. Alld.
Pal, D. K., M.A. Calc. (on leave).
Panchapagesan, N., B.Sc. Madr.
Singh, G. S., M.Sc. Alld. (on leave).

*Geology*

Lecturers

Choudhury, J. M., M.Sc. Ban.
Banerji, 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, Univ. Law Coll.

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. (on leave).
Medhi, J. P., M.A. Calc. (on leave).
Suryanarayana, E. R., M.Sc. Mys.

*Philosophy*

Sarma, R. R., M.A., Ph.D. Calc.
Reader.

Lecturers

Datta, B. N., M.A. Calc.
Patnaik, K. R., M.A. And.

*Statistics*

Lecturers

Mech, M. C., M.Sc.
Bose, A. K., M.Sc. Calc.
Prabhu, N. U., M.A. Bom. and Madr.
Sinha, S. M., M.Sc. Patna.

## ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY LIBRARIAN. J. Sarma, M.A. Calc.

WARDENS. Undergraduate Hall: K. C. Bhattacharyya, M.A. Calc.; J. M. Choudhury, M.Sc. Ban.; D. Konger, M.A., B.T. Calc.; K. C. Das, B.T. Calc., M.A.; S. N. Sarma, M.A. Calc.; B.T. Hall: M. Neog, M.A. Calc.

## AFFILIATED COLLEGES

BARPETA, *M.C. College*, Assam. I.A., B.A. Principal—R. K. Das, M.Sc. Calc. 3 Profs., 9 Lectrs.

DHUBRI, *B.N. College*, Assam. I.A., B.A. Principal—B. C. Sengupta, M.A. Calc. 3 Profs., 8 Lectrs.

DIBRUGARH, *Assam Medical College* (Govt.), Assam. (*Telephone*: Dibrugarh 80.) M.B., B.S. Principal—H. Barua, M.B. 17 Profs., 12 Lectrs.

DIBRUGARH, *Dibrugarh H.S.K. College*, P.O. Rehabari, Assam. (*Telephone*: Dibrugarh 105.) I.A., I.Sc., B.A., I.Com., B.Com. Principal—J. R. Basu, M.A. Calc. 11 Profs., 12 Lectrs.

GAUHATI, *B. Barooah College*, Assam. I.A. Principal—H. Barua, M.A. Calc. 6 Lectrs.

GAUHATI, *Cotton College* (Govt.), Assam. (*Telephone*: Gauhati 38.) I.A., I.Sc., B.A., B.Sc. Principal—H. C. Bhuyan, M.Sc. Calc., Ph.D. Brist. 18 Profs., 39 Lectrs.

GAUHATI, *Handiqui Girls' College*, Assam. I.A., B.A. Principal—R. B. Das, M.A. Calc. 14 Profs.

IMPHAL (MANIPUR), *D.M. College*. I.A., B.A. Principal—S. N. Chatterji, M.A., B.L. Calc. 16 Profs.

JORHAT, *Assam Agricultural College* (Govt.), Assam. I.Sc. (Agri.), B.Sc. (Agri.). Principal—M. C. Das, M.Sc. Calc., Ph.D. Edin., F.L.S. 4 Profs., 14 Lectrs.

JORHAT, *J.B. College*, Assam. I.A., I.Sc., B.A., B.Sc., I.Com., B.Com. Principal—G. G. Datta, M.A., B.L. Calc. 27 Profs.

KARIMGANJ, *Karimganj College*, Assam. I.A., I.Sc., I.Com., B.A. Principal—P. C. Bhattacharyya, M.A. Calc. 18 Profs., 2 Lectrs.

NALBARI, *Nalbari College*, Assam. I.A., B.A. Principal—T. N. Goswami, M.A., B.L. Calc. 8 Lectrs.

NOWGONG, *Nowgong College*, Assam. I.A., I.Sc., I.Com., B.A. Principal—J. Sarma, M.A. Calc. 23 Profs.

SHILLONG, *Lady Keane Girls' College*, Assam. I.A. Principal—U. Bhattacharyya, M.A., B.T. Calc. 5 Profs.

SHILLONG, *St. Anthony's College*, Assam. (*Telephone*: Shillong 95A.) I.A., I.Sc., I.Com., B.A., B.Sc., B.Com. Principal—Rev. Father Wollaston. 23 Profs.

SHILLONG, *St. Edmund's College*, Assam. (*Telephone*: Shillong 307.) I.A., I.Sc., B.A., B.T. Principal—Rev. J. A. McPhilemy. 20 Profs.

SHILLONG, *St. Mary's College*, Assam. I.A., B.A., B.T. Principal—Rev. Mother M. D. E. Sales. 13 Profs.

SILCHAR, *Gurucharan College*, Assam. (*Telephone*: Silchar 2.) I.A., B.A., I.Sc., I.Com., B.Com. Principal—R. K. Datta Gupta, M.Sc. Calc. 20 Profs.

TEZPUR, *Darrang College*, Assam. I.A., I.Sc., B.A. Principal—A. C. Roy, M.A., B.T. Calc. 15 Profs.

## GENERAL INFORMATION

The University came into existence on Jan. 1, 1948, and its constitution is governed by the Gauhati University Act, 1947 (Assam Act XVI of 1947). It is an affiliating, teaching and residential Univ. with jurisdiction over all the schools and colleges in the State of Assam which were formerly affiliated to the Univ. of Calcutta. Under the Gauhati University Act, 1947, the Govt. of Assam contributes annually not less than five lakhs of rupees to meet the recurring charges of the Univ.

The Univ. will ultimately be located at Pandu, seven miles from Gauhati. The permanent bldgs. of the Univ. will be constructed under the supervision of the Univ. Development Cttee. and the construction of 2 bldgs. has already begun. Satisfactory interim arrangements for the residence of students and teachers have been made in the Univ. colony at Chandmari, Gauhati.

The Depts. of Postgraduate Teaching and the Teachers' Training Dept. are located in the Univ. Law College and its annexe. The Depts. of Undergraduate Teaching are located in the Don Bosco bldgs. The Bot., Statistics and Geog. Depts. are located in bldgs. placed at the disposal of the Univ. by the Govt. of Assam. The Geol. and Anthropol. labs. are located in a rented bldg. The evening Commerce classes are held in the Govt. Cotton College bldgs.

INCOME (1950–51). Rs. 11,45,038. Govt. grant, 43 per cent.; Fees, 40 per cent.; Endowments, 0·8 per cent.; misc., 16·2 per cent.

FACULTIES AND DEANS. *Agriculture*, Dr. M. C. Das; *Arts*, Prof. B. K. Barua; *Commerce*, Prof. D. C. Sabharwal; *Law*, .....; *Medicine*, Dr. R. Labhaya; *Science*, Prof. V. D. Thawani.

LIBRARIES. Univ. Library (16,097 vols.) at present housed in Law Coll. premises. Annual grant of Rs. 20,000 provided to build up a comprehensive collection.

MUSEUMS. Anthropol., Bot., Geol. and Educn.

ADMISSION. Candidates for admission must have passed the Matricn. Examn. of an Indian Univ. or an examn. recognized as equivalent.

DEGREES. B.A., M.A., B.Sc., M.Sc., B.Com., M.Com., B.T., B.L., M.B., B.S., B.Sc. (Agri.).

HIGHER DEGREE. D.Phil.

DIPLOMA AND CERTIFICATE. Dipl. in Secretarial practice; Teachers' Training Certif. Course in Geog.

FEES. Postgrad. Tuition fees, Rs. 12 p.m.; B.T., Rs. 15 p.m., and Law, Rs. 9 p.m.; Undergrad., Rs. 8 p.m.; Inter. classes, Rs. 7 p.m.; Dipl. Courses, Rs. 6 p.m.; Geog. Trng., Rs. 10 p.m.

STUDENTS' ADVISORY BOARD. The Bd. assists students who wish to pursue higher studies in India and abroad; it also maintains a register of former students and supplies information about careers and appts.

STUDENT RESIDENCES. (For Wardens *see* "Administrative and other Staff," p. 1260.) Postgraduate Hall, Bharalumukj; Postgraduate Hall, Riverside; Postgraduate Science Hall; Postgraduate Hall, Chanmari; Law Hall; Undergraduate Hall, Chanmari; B.T. Hall; Postgraduate Muslim Hall; Postgraduate Hillside Hall. The address of all halls is P.O. Gauhati. Fees: seat rent, Rs. 51 p.a. in any hall.

STAFF RESIDENCES. 20 residences at foot of Navagraha Hills.

STUDENTS' UNIONS. Postgraduate Students' Union and Undergraduate Students' Union, in addition to Unions at the affiliated Colls. B.T. trainees have an Association of their own.

PUBLICATIONS. Univ. *Calendar*; a *Journal* and certain selections for use as text-books in English, Assamese and Sanskrit for the Matricn. and Intermediate Examn. have been published.

## THE YEAR 1951–52

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. S. K. Muranjan, Sydenham Coll. of Comm. and Econ., Bombay, course of lectures on Banking; K. A. Nilakanta Sastri, Madr., course of lectures on Ancient Indian History and Culture.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 1219 | 6639 |
| Women | 15 | 1001 |
| Total | 1234 | 7640 |

Postgraduate students, 240.
New admissions, 3394.

DEGREES AWARDED. B.A., 363; B.Com., 75; B.L., 8; B.Sc., 100; B.T., 28; M.A., 34; M.B., B.S., 12; M.Com., 17; M.Sc., 22.

[*Information compiled as at* 30/6/53.]

# GUJARAT UNIVERSITY

Founded and incorporated 1950

*Postal Address*: Navrangpura, Ahmedabad 9, Bombay State, India.
*Telegrams*: Unigujarat.
*Telephone*: 7198.

CHANCELLOR—H.E. Sir GIRJA SHANKAR BAJPAI, K.C.S.I., K.B.E., C.I.E., Governor of Bombay.

VICE-CHANCELLOR—Sir HARSIDHBHAI V. DIVATIA, M.A., LL.B.

REGISTRAR—BHADRIKLAL A. PATEL, B.Sc., B.E.

ASSISTANT REGISTRAR—JAYANTILAL M. MEHTA, B.Sc., B.T.

ACCOUNTANT—BHUPENDRA M. PATEL, B.Com.

LIBRARIAN—KIKUBHAI R. DESAI.

## ADMINISTRATIVE AND OTHER STAFF

Chief Med. Officer: K. A. Shah, M.B., B.S. Bom. Dir. of Phys. Educn.: .....

## AFFILIATED COLLEGES AND RECOGNIZED INSTITUTIONS

AHMEDABAD, *Acharatlal Girdharlal Teachers' College*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7152.) Founded 1952. For B.Ed. Principal, L. R. Desai. B.A., B.T., T.D. Lond. Prof., V. P. Khanolkar, M.A. Lond., B.T. Bom., T.D. Lond. 1 Asst. Prof., 5 Lectrs., 1 Pt.-time Arts Master and 1 Phys. Instr.

AHMEDABAD, *Behramji Jijibhai Medical College*, Gheekanta Rd. (*Telephone*: 3495.) Founded 1946. For M.B., B.S., M.D. and M.S., B.Sc. (Med.), M.Sc. (Med.). Principal and Prof. of *Anat.*, G. V. Barve, M.B., M.S. Bom.; *Physiol.*, E. M. Best, M.B., B.S.; *Pharmacol.*, A. D. Joseph, M.B., B.S. Madr.; *Pathol.*, Y. M. Bhende, M.D. Bom.; Prof. of *Pathol. and Bacteriol.*, Dr. B. M. Bhende; Lectr. in *Pathol.*, A. F. Pereira, M.B., B.S. Bom.; *Embryol.*, D. S. Deshpande, M.Sc.; *Biochem.*, R. M. Vaidya, B.Sc., Ph.D. 2 Lectrs., 12 Demrs. and 34 other Hon. Assts.

AHMEDABAD, *Bholabhai Jeshingbhai Institute of Learning and Research*, Bhadra. (*Telephone*: 2202.) Founded 1939. Postgraduate and Research (M.A.). Dir. and Prof. of *Sanskrit*, R. C. Parikh, B.A. Bom.; *Gujarati*, R. V. Pathak, B.A., LL.B.; *Darshana-Shashtra*, Pdt. S. Sanghvi; *Gujarati Apabransa*, M. C. Modi, M.A., LL.B.; *Arabic*, S. A. Z. Nadvi (Nadwa Arabic College); *Anc. Indian Culture*, H. G. Shastri, M.A., Ph.D.; *Gujarati & Anc. Indian Culture*, Y. P. Shukla, M.A. 17 other Profs. and Lectrs.

AHMEDABAD, *Gujarat College*, Ellisbridge, Ahmedabad, 6. (*Telephone*: 7051.) Founded 1879. For B.A., M.A. and B.Sc., M.Sc. Principal and Prof. of *Chem.*, M. S. Shah, M.Sc., Ph.D. Lond.; *Phys.*, Y. G. Naik, M.Sc., Ph.D.;

*Gujarati*, A. M. Raval, M.A.; *Hist. & Econ.*, N. B. Naik, M.A.; *Engl. & Logic*, V. V. Akolkar, M.A.; *Persian*, D. A. Bargir, M.A.; *Chem.*, N. M. Shah, M.Sc., Ph.D.; *Maths.*, B. R. Tongaonkar, M.Sc.; *Sanskrit*, G. K. Bhat, M.A., Ph.D.; *Biol.*, G. T. Pandya, M.Sc.; *Bot.*, J. D. Oza, M.Sc.; *Philos.*, P. N. Rao, M.A., D.Litt.; *Engl.*, C. N. Patel, M.A.; *Urdu*, H. M. Shaikh, M.A.; *Persian*, A. H. N. Qureshi, M.A.; *French*, V. B. Tangaonkar, M.A.; *Hindi*, Kumari S. Gaonkar, M.A. 30 other Lectrs. and Asst. Lectrs.

AHMEDABAD, *Hargovandas Lakhmichand College of Commerce*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7142.) Founded 1936. For B.Com. and M.Com. Principal and Prof. of *Foreign Exchange and Internatl. Banking, Public Econ., Econ. & Comm.*, S. V. Desai, M.S. Col.; Vice-Principal and Prof. of *Engl. & Sc. Methd.*, V. N. Joshi, M.A.; *Acctng., Auditing & Accts.*, C. R. Lakhia, B.Com.; *Comm. Arith., Sales, Civics & Bus. Organ.*, M. Satyanarayan, M.A., B.L.; *Organization of Trade, M.E.D., Forms of E.O. & Adm.*, S. P. Vaswani, M.A., LL.B.; *Org. of Trade & Trans., Co-opt. of R.D., Lab. Adm., Tran., B.O. and Sec. Pra.*, P. V. Lokras, B.Com., M.A.; *Engl.*, A. D. Zhala, M.A., LL.B.; *Stats., Insu. & Accts., Organization of Markets*, R. S. Sharma, M.Com.; *Engl. & Guj.*, P. P. Chandarvakar, M.A.; *Banking Law*, U. P. Maniar, B.A, LL.B.; *Law*, R. H. Daru, B.A., LL.B.; *Accts.*, M. C. Mashruwala, B.Com. 11 other Lectrs. and Tutors.

AHMEDABAD, *Lalbhai Dalpatbhai Arts College & Mafatlal Gagalbhai Science Institute*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7152.) Founded 1937. For M.A., M.Sc. and Ph.D. Principal and Prof. of *Chem.*, R. D. Desai, B.A., M.Sc. Bom., D.Sc. Lond., F.R.I.C., F.N.I.; *Engl.*, F. C. Davar, M.A., LL.B.; *Sanskrit*, R. B. Athavle, M.A.; *Ardha-Magadhi*, V. M. Shah, M.A.; *Gujarati*, R. M. Shukla, M.A.; *Hist. & Econ.*, D. N. Pathak, M.A. Chic.; *Maths.*, K. R. Dave, M.Sc.; *Philos.*, .....; *Logic*, M. A. Buch, M.A., Ph.D. Lond.; *Hindi*, R. V. Upadhyaya, M.A.; *Biol.*, C. M. Patel, M.Sc., M. S. Dubale, M.Sc.; *Geol. & Geog.*, S. Mukherjee, M.Sc. 14 other Profs., 17 Lectrs. and 3 Tutors.

AHMEDABAD, *Lalbhai Dalpatbhai College of Engineering*, Navrangpura, Ahmedabad, 9. (*Telephone*: 3486.) Founded 1948. For B.E. Principal and Prof. of *Theory of Structure*, A. de Souza, B.A., B.E.; *Appl. Mechanics*, S. K. Katrak, B.E.; *Engin. Material, Geology Pract.*, S. Y. Date; *Maths.*, T. D. Patel, M.Sc.; *Electr. Engin.*, M. V. Deshpande, B.E. (Mech.), M.S. Ill.; *Telecommunication*, V. S. Telang, M.Sc. Bom., Dip.Tech. Bom.; *Civil Engin.*, G. J. Kulkarni, B.E. (Civil); *Metall.*, C. P. Kamat, B.Sc. (Mat.); *Mech. Technol.*, V. D. Joglekar, B.E. (Mech.) (Elect.). 21 other Profs. and Lectrs.

AHMEDABAD, *Lalbhai Motilal College of Pharmacy*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7216.) Founded 1947. For B.Pharm. Principal and Prof. of *Pharmaceutics and Forensic Pharmacy*, R. P. Patel, M.Sc. Bom., Ph.D. Lond.; *Pharmaceutical Chem.*, C. R. Mehta, M.Sc., Ph.D. Bom.; *Pharmacognosy, Biochem., German*, C. S. Shah, B.Sc., Dr.Sc. Frankfurt; *Physiol., Pharmacol.*, H. R. Derasari, B.Sc., M.B., B.S. 2 other Lectrs.

AHMEDABAD, *Physical Research Laboratory*, Navrangpura, Ahmedabad, 9. (*Telephone*: 7076.) Founded 1948. For M.Sc. and Ph.D. in Physics. Dir. and Prof. of *Atmospheric Phys.*, K. R. Ramanathan, M.A., D.Sc., F.N.I.; *Cosmic Rays Phys.*, V. A. Sarabhai, M.A., Ph.D. Camb.; *Theoret. Phys.*, Vachaspati, M.Sc., Ph.D.

AHMEDABAD, *Sir Lallubhai A. Shah Law College*, Ellisbridge, Ahmedabad, 6. (*Telephone*: 7028.) Founded 1927. For LL.B., LL.M. Principal and Prof. of *Indian Penal Code, Criminal Procedure Code, Company Law, Torts, etc.*, M. M.

Thakore, B.A., LL.B.; Vice-Principal and Prof. of *Jurisprud., Transfer of Property and Hindu Law*, M. S. Pandit, B.A., LL.B.; *Engl., Indian Const., Civil Procedure Code, Equity, etc.*, N. G. Kharod, B.A., LL.B.; *Roman Law, Criminal Procedure Code*, V. K. Desai, L. M. Nanavati, B.Com., LL.B.; *Civil Procedure Code and Eng. Const.*, Y. N. Mehta; *Moh. Law, etc.*, S. S. Belsare, B.A., LL.B.; *Evidence and Criminal Procedure Code*, D. C. Trivedi, M.A., LL.B.; *Engl.*, S. R. Bhatt, M.A., LL.B., and 7 other Lectrs.

AHMEDABAD, *Vadilal Sarabhai General Hospital and Sheth Chinai Maternity Home*, Ellisbridge, Ahmedabad, 6. (*Telephone*: 7019.) Founded 1931. For M.D. and M.S. Pt. II. Supt. and Prof. of *Surg.*, M. D. Desai, M.B., M.S., M.Ch.Orth., F.R.C.S.; *Surg.*, M. D. Patel, M.B., B.S., D.L.O. Lond., F.R.C.S.; *Med.*, G. B. Mohile, M.B., B.S., D.T.M. Liv.; *Obstet. and Gynæcol.*, Miss S. C. Pandya, M.D., B.S. Bom.; *Medicine*, R. A. Desai, M.B., B.S. 12 other Profs. and Lectrs.

ANAND, *Bansilal Amritlal College of Agriculture*, Vallabh Vidyanagar, Via Anand. Founded 1947. For B.Sc. (Agri.), M.Sc. (Agri.), Ph.D. Principal and Prof. of *Animal Husb. and Dairying*, Maganbhai D. Patel, M.Sc. Corn., Ph.D. Wis.; *Agric., Chem. and Soils*, C. C. Shah, M.Sc., Ph.D. Lond.; *Agric. Bot., Genetics and Plant Breeding*, P. L. Patel, M.S. Iowa; *Pathol. and Bacteriol.*, N. Prasad, M.Sc., Ph.D.; *Agric. Engin., Phys., Maths. and Stats.*, A. C. Pandya, B.E. (Mech. and Elect.) Bom., M.Sc. Agri. Eng. Iowa; *Hortic.*, K. N. Goswami, B.Ag.; *Vet. Studies*, N. C. Buch; *Bot.*, H. A. Joshi, B.Sc.; *Inorg., Org. and Phys. Chem.*, B. V. Mehta, M.Sc. 20 other Profs. and Lectrs.

ANAND, *Bhikhabhai Jivabhai Vanijya Mahavidyalaya*, Vallabh Vidyanagar, Via Anand. Founded 1951. For B.Com. Principal and Prof. of *Econ.*, A. B. Trivedi, M.A., B.Com., Ph.D.; *Secretarial Practice, Salesmanship and Publicity, etc.*; M. M. Shah, M.Com.; *Engl.*, M. V. Naik, M.A., B.T. 3 other Lectrs.

ANAND, *Birla Vishvakarma Mahavidyalaya*, Vallabh Vidyanagar, Via Anand. Founded 1948. For B.E. Principal and Prof. of *Applied Mech., Materials & Structs. and Theory of Structures*, S. B. Junnarkar, B.A. Bom., B.Sc. Lond. Vice-Principal and Prof. of *Surveying, Hydraulics, Foundation and Construcn.*, R. D. Gulatee, B.Sc. Manc.; *Electr. Engin.*, K. V. Kardile, B.Sc. Bom., B.Sc. (Engg.); *Surveying*, R. M. Khetani, B.E. (Civil); *Water Supply, R.C.C. Theory of Structures, Quantity Surveying*, R. H. Chokhavatia, B.E. (Civil); *Econ.*, A. B. Trivedi, B.A., B.Com. 34 other Lectrs. and Demrs.

ANAND, *Vithalbhai Patel Mahavidyalaya*, Vallabh Vidyanagar, Via Anand. Founded 1947. For M.A., M.Sc., Ph.D. Principal and Prof. of *Maths.*, N. M. Shah, B.A. Bom., M.A. Camb.; *Phys.*, G. G. Paldhikar, M.Sc. Alld.; *Chem.*, M. D. Avasare, B.A., M.Sc., Ph.D.; *Biol.*, J. G. Chohan, M.Sc.; *Engl.*, A. S. Prabhudesai, M.A.; *Gujarati and Sanskrit*, J. K. Patel, M.A., B.T.; *Hist.*, K. H. Kamdar, M.A.; *Econ.*, A. R. Desai, M.A.; *Philos.*, T. G. Deokule, M.A. 22 other Profs. and Lectrs.

BHAVNAGAR, *Mangaldas Jeshingbhai College of Commerce*, Saurashtra State. Founded 1949. For B.Com. Principal, M. B. Desai, M.Com., Ph.D. *Comm.*, M. B. Desai, M.Com., Ph.D.; *Eng.*, P. P. Mehta, M.A.; *Banking & Scientific Methods*, N. Dhulappa, M.Com.; *Accounting & Auditing*, J. G. Mankad, B.Com. 8 other Profs. and Lectrs.

BHAVNAGAR, *Samaldas College and Sir P. P. Institute of Science*, Saurashtra State. Founded 1885. For M.A., B.Sc., Ph.D. Principal and Prof. of *Maths. and Phys.*, J. B. Sandil, M.Sc.; *Maths.*, J. N. Dharap, M.A.; *Hist. & Econ.*,

M. J. Pathakji, M.A., LL.B.; *Logic and Moral Philos.*, J. B. Dave, M.A.; *Engl.*, V. J. Trivedi, M.A.; *Gujarati*, U. C. Pandya, M.A.; *Chem.*, M. M. Parekh, M.Sc., Ph.D. Lond., F.R.I.C.; *Biol.*, V. P. Varde, B.Sc. Bom., D.Sc. France, F.R.E.S.; *Phys.*, K. L. Narsinha, B.A. And., M.Sc. Ban.; *Maths.*, S. S. Dave, M.Sc. 28 other Profs. and Lectrs.

JUNAGADH, *Bahauddin College*, Saurashtra State. Founded 1901. For M.A. and M.Sc. *Engl.*, R. D. Joshi, M.A.; *Logic and Philos.*, V. S. Gogate, M.A.; *Maths.*, A. R. Rao, M.Sc.; *Biol.*, G. A. Kapadia, M.Sc.; *Phys.*, S. S. Joshi, B.Sc., Ph.D.; *Chem.*, S. A. Vaishnav, M.Sc.; *Hist., Politics, etc.*, C. N. Wadia, B.A., Ph.D.; *Econ.*, P. N. Joshi, M.A. 10 other Profs. and Lectrs.

MORVI, *Morvi Technical Institute* (*Engineering College*), Saurashtra State. Founded 1951. For F.E. (Civil, Elect. & Mech.). Principal, S. S. Bhatia; *Radio Engin.*, R. Sitaram, M.Sc.; *Machine Drawing*, P. B. Sapre, D.M.E.; *Civil Engin.*, M. D. Soni, D.C.E.; *Appl. Mechanics*, H. S. Jain, B.Sc.; *Maths.*, L. T. Patil, M.A.; *Chem.*, K. K. Sata, B.Sc., B.Sc. (Tech.). 17 other Lectrs. and Demrs.

NADIAD, *Jethabhai Jhaverbhai College of Science & C. B. Patel Arts Institute.* Founded 1947. For B.A. and B.Sc. Principal and Prof., K. G. Naik, M.A. Bom., D.Sc. Lond., F.R.I.C., F.N.I.; *Chem.*, K. N. Chokshi, M.Sc. Bom.; *Maths.*, Bassan Darshan Singh, M.A.; *Zool.*, N. L. Naik, B.Sc.; *Bot.*, P. S. Toor, M.Sc.; *Sanskrit*, B. K. Shah, M.A.; *Philos.*, H. R. Thakkar, M.A.; *Gujarati*, R. N. Pandya, M.A.; *Engl.*, L. H. Tenghse, M.A.; *Hist. & Econ.*, M. G. Parekh, M.A., LL.B. 15 other Lectrs. and Demrs.

NAVSARI, *Sorabji Burjorji Garda College and B.P. Baria Science Institute.* Founded 1945. For M.A., M.Sc. and Ph.D. Principal and Prof. of *Philos.*, A. K. Trivedi, M.A., LL.B.; *Engl.*, M. N. Majumdar, B.A., Dip.Ed. Dub.; *Biol.*, B. P. Menon, M.A. Madr.; *Chem.*, R. D. Advani, M.Sc.; *Maths.*, S. R. Gothivrikar, M.A., B.T., Ph.D.; *Gujarati*, J. S. Joshi, M.A.; *Phys.*, V. N. Upadhyaya, M.Sc.; *Hist. and Econ.*, G. N. Lawande, M.A.; *Persian*, M. F. Quraishi, M.A.; *Microbiol.*, W. V. Kotasthane, M.Sc. Manc., M.Sc. Bom.; *Sanskrit*, P. D. Chandratre, M.A.; *Hindi*, Mrs. S. J. Phadke, M.A. 22 other Profs. and Lectrs.

PETLAD, *Petlad College.* Founded 1946. For I.A. and B.Sc. Principal and Prof. of *Phys.*, N. G. Mohile, M.A., B.Sc.; *Biol.*, K. H. Krishnamurti, M.Sc.; *Chem.*, C. L. Mankodi, B.A., M.Sc.; *Sanskrit*, M. T. Buch, M.A.; *Logic and English*, M. K. Bhatt, M.A.; *Engl.*, R. M. Chitnis, M.A.; *Maths.*, D. W. Sontakke, M.Sc. 10 other Lectrs.

RAJKOT, *Dharmendrasinhji College & Kotak Institute of Science*, Saurashtra State. Founded 1937. For M.A., M.Sc. Principal and Prof. of *Engl.*, G. R. Kotwal, M.A., B.Litt.; *Civics, Econ., Econ. Hist.*, R. R. Mishra, M.A., LL.B.; *French*, M. G. Desai, M.A., LL.B.; *Phys.*, P. Y. Despande, M.Sc., Ph.D.; *Sanskrit*, D. P. Joshi, M.A., LL.B.; *Logic and Philos.*, U. D. Bhatt, M.A.; *Chem.*, V. A. Vyas, M.Sc.; *Maths.*, K. M. Shah, M.Sc., B.T.; *Biol.*, R. N. Dave, M.Sc.; *Persian*, Z. A. Desai, M.A. 22 other Profs. and Lectrs.

SURAT, *Kikabhai Premchand College of Commerce*, Athva Lines. Founded 1946. For M.Com. *Secretarial Practice and Accounting*, R. N. Bhatt, M.Com.; *Business Organ. and Salesmanship*, M. N. Jakate, M.Com.; *Maths.*, K. M. Talati, M.A.; *Engl.*, R. L. Keshwani, M.A.; *Econ.*, R. K. Patil, M.A.; *Commerce, etc.*, A. N. Desai, M.A.; *Mercantile Law*, G. M. Vakil, B.A., LL.B.; *Auditing*, R. P. Shah, B.Com. 3 other Lectrs.

SURAT, *Maganlal Thakordas Balmukunddas College*, Athva Lines. Founded 1918. For M.A., M.Sc. & Ph.D. Principal and Prof. of *Engl.*, K. L. Desai, B.A. Camb., M.A., LL.B.; *Gujarati*, V. R. Trivedi, M.A.; *Persian*, M. J. Thakur, M.A.; *Chem.*, J. A. Kazi, B.A., B.Sc., LL.B.; *Phys.*, M. S. Desai, M.Sc. Alld.; *Sanskrit and Ardhamagadhi*, J. T. Parikh, M.A.; *Urdu and Arabic*, T. H. Shamshi; *Geog.*, P. N. Modak, M.Sc. Nag.; *Logic and Philos.*, K. T. Jahgirdar, M.A. Alld.; *Hist. & Econ.*, K. C. Chakravarti, M.A. Calc.; *Maths.*, S. Ramkrishnan, M.Sc.; *Biol.*, I. N. Solanky, M.Sc.; *Bot.*, J. J. Shah, M.Sc. 14 other Profs. and Lectrs.

SURAT, *Sarvajanik Law College*, Athva Lines. Founded 1935. For LL.B. & LL.M. Principal and Prof. of *Roman Law, Crimes and Company Law*, T. K. Modi, B.A., LL.B.; *Engl., Hindu Law, Jurisprud., Equity, etc.*, C. D. Vyas, M.A., LL.M.; *Cr. P.C. Evidence, Moh. Law, Torts, etc.*, D. D. Desai, B.A., LL.B. 3 other Pt.-time Profs.

VISNAGAR, *Maneklal Nanchand College*. Founded 1946. For M.A. and M.Sc. Principal and Prof. of *English*, L. M. A. Menezes, M.A.; *Engl.*, 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.; *Gujarati*, H. H. Buch, M.A.; *Logic and Philos.*, U. J. Trivedi, M.A., Dip. in Educ. Brist.; *Persian*, A. S. Kadri, M.A.; *Chem.*, M. L. Shah, B.A., M.Sc., Ph.D. Wash.; *Biol.*, M. N. Patel, B.Sc. Edin., B.Ag. Bom.; *Phys.*, V. T. Chiplonkar, M.Sc., Ph.D.; *Zool.*, J. C. Uttangi, M.Sc. 13 other Profs. and Lectrs.

## GENERAL INFORMATION

Following upon the appearance of the Report of a Cttee., under the chairmanship of the Hon. G. V. Mavalankar, an Act was passed in 1949 by the Bombay Legislature for the establishment and incorporation of the Gujarat University as a Teaching and Affiliating Univ. in the Province of Bombay. There are no Univ. Depts. at present.

INCOME (1951–52). Total—Rs. 8,21,674: Govt. Grants, Rs. 3,40,000 (41 per cent.); Endowments, Rs. 22,301 (3 per cent.); Fees, Rs. 4,51,990 (55 per cent.); Other Sources, Rs. 7383 (1 per cent.).

FACULTIES AND DEANS. *Agriculture*, Dr. Maganbhai D. Patel; *Arts*, R. C. Parikh; *Commerce*, S. V. Desai; *Law*, T. K. Modi, Sardar Dawar; *Medicine*, Dr. Motibhai D. Patel; *Science*, Dr. M. S. Shah; *Technology*, A. de Souza.

LIBRARIES. Approx. 4926 vols.

DEGREES. B.A. General; B.A. Special; M.A.; B.Com.; M.Com.; B.Ed.; M.Ed.; B.Sc.; M.Sc.; B.Sc. (Agri.); M.Sc. (Agri.); B.E. (Civil, Mech. and Elect.); M.E.; LL.B.; LL.M.; M.B., B.S.; M.Pharm.; B.Pharm.; B.Sc. (Med.); M.Sc. (Med.); M.D.; M.S.; Ph.D.; D.Sc.

EXTERNAL DEGREES. The Univ. intends to hold external examns. and regulations are being prepared.

DIPLOMA. T.D.

EXAMINATION FEES. B.A. General and Special, Rs. 50; M.A., Rs. 75; B.Com., Rs. 50; M.Com., Rs. 100; B.Ed., Pt. I, Rs. 30; B.Ed., Pt. II, Rs. 30; M.Ed., Rs. 75; B.Sc. (Principal), Rs. 50; B.Sc. (Subsidiary), Rs. 35; M.Sc., Rs. 100; B.Sc. (Agri.), Rs. 60; M.Sc. (Agri.), Rs. 100; B.E. (Civil, Mech. and Elect.), Rs. 60; M.E., Rs. 100; LL.B., Rs. 60; LL.M., Rs. 150; M.B., B.S., Rs. 75; B.Pharm., Rs. 75; M.D. (Old Regulns.), Rs. 200;

M.D. (New Regulns.), Pt. I, Rs. 100; M.D. (New Regulns.), Pt. II, Rs. 200; M.S. (Old Regulns.), Rs. 200; M.S. (New Regulns.), Pt. I, Rs. 100; M.S. (New Regulns.), Pt. II, Rs. 200; B.Sc. (Medical), Rs. 100; M.Sc. (Medical), Rs. 200; Ph.D. (by Thesis), Rs. 100; Ph.D. (French & German Translation), Rs. 25; D.Sc., Rs. 200.

LANGUAGE OF INSTRUCTION. From June 1954, the medium of instrucn. will be Hindi and/or Gujarati.

STUDENT RESIDENCES. Each Affiliated Coll. provides hostel accomm. for its own students.

NATIONAL CADET CORPS. 4th Bombay Battalion (Infantry); 7th Bombay Battalion (Artillery).

PUBLICATIONS. *Annual Report*; *Handbook, Part I*; *Univ. Bulletin. Handbook, Part II and Part III* in preparation.

## THE YEAR 1952–53

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES, C. N. Vakil, Bom.; K. M. Munshi; B. B. Yodh, Bom.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 13,674 |
| Women | .. | 1,395 |
| Total | .. | 15,069 |

Postgraduate students, 1269.
New admissions, 2332.

DEGREES AWARDED. B.A. (Sp.), 315; B.A. (Gen.), 61; M.A., 36; B.Com., 98; M.Com., 6; B.Sc., 296; M.Sc., 11; B.Sc. (Agri.), 32; M.Sc. (Agri.), 1; B.E. (Mech. and Elect.), 10; B.E. (Civil), 12; LL.B., 179: M.B., B.S., 47; B.Pharm., 72.

DIPLOMAS AWARDED. T.D., 36.

[*Information compiled as at* 9/6/53.]

# THE UNIVERSITY OF JAMMU AND KASHMIR*

Founded 1948

*Postal Address*: Srinagar, Kashmir, India.
*Telegrams*: University, Srinagar.
*Telephone*: Srinagar 230.

CHANCELLOR—YUVARAJ KARAN SINGH JI BAHADUR.

PRO-CHANCELLOR—THE HON. 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.

## AFFILIATED COLLEGES

[F.A., B.A., M.A., etc. = affiliated up to Intermediate Arts, B.A., M.A., etc., standard.]

ANANTNAG, *Govt. Intermediate College*, Kashmir. F.A. Principal—S. N. Thassu, M.A.

JAMMU, *Govt. Gandhi Memorial College.* B.A., B.Sc., B.A. (Hons.), M.A., M.Sc. Principal—A. L. D. Suri, M.A., M.Ed.

JAMMU, *Maharani Mahilla College.* B.A. Principal—Miss Sarla Khosla, M.A.

JAMMU, *Shri Rughnath Sanskrit Mahavidyalaya.* Hons. in Sanskrit. Principal—Pdt. P. R. Shastri.

SOPORE, *Govt. Intermediate College*, Kashmir. F.A. Principal—Saif-ud-Din.

SRINAGAR, *Amar Singh College*, Kashmir. B.A., B.A. (Hons.), B.Sc. Principal—M. Ahmad, M.A.

SRINAGAR, *Gandhi Memorial College*, Kashmir. F.A., B.A., F.Sc. Principal—B. K. Madan, M.A.

SRINAGAR, *Govt. Women's College*, Kashmir. F.A., B.A., F.Sc. Miss S. W. Shaw, M.A.

SRINAGAR (HAZARATBAL), *Jamia Madinat-ul-Alum*, Kashmir. Hons. in Persian and Arabic. Principal—Maulvi A. Kabir.

SRINAGAR, *Mahila Mahavidyalaya.* Hons. in Hindi. Principal—Mrs. Kamla Parimoo.

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

SRINAGAR, *Oriental College*, Kashmir. Hons. in Persian and Arabic. Principal—M. Y. Vatrihali.

SRINAGAR, *Sri Pratap College*, Kashmir. F.A., B.A., B.A. (Hons.), M.A., F.Sc., B.Sc. Principal—Jai Lal, M.A., LL.B.

SRINAGAR, *Teachers' Training College*, Kashmir. B.T. Principal—G. A. Mukhtar, M.A.

## UNAFFILIATED INSTITUTION

SRINAGAR, *Govt. Pathshala.* Hons. in Sanskrit, Arabic and Persian.

## GENERAL INFORMATION

The University of Jammu and Kashmir was established in Nov. 1948.

FACULTIES. Arts, Education, Oriental Learning, Science. (For DEANS *see* p. 1270.)

OBSERVATORY. A High Elevation Observatory for res. into Cosmic Rays has been estabId. at Gulmarg, Kashmir, in co-operation with Aligarh Muslim Univ.

DEGREES. B.A., B.Sc., M.A., M.Sc., B.T., Hons. in Oriental Classical (Sanskrit, Persian and Arabic) and Modern Indian Languages (Hindi, Urdu and Panjabi).

For the B.A., English and two of the following are required: (1) an Oriental Classical Lang. (Arabic, Persian, Sanskrit); (2) A. Course of Maths; (3) B. Course of Maths.; (4) History; (5) Econ.; (6) Philos.; (7) Phys.; (8) Chem.; (9) Geol.; (10) Geog.; (11) Pol. Sci.; (12) Indian Music. For the B.Sc., English and two of the following are required: (1) Phys. and Chem.; (2) Geol. and Phys.; (3) Geol. and Chem.; (4) Geog. and Phys.; (5) Geog. and Geol.; (6) Geog. and Chem. For the M.A. and M.Sc. the following subjects are offered: English; Sanskrit; Arabic; Persian; Philos.; History; Pol. Sci.; Econ.; Maths.; Geol.; Phys.; Chem.; Geog.

STUDENTS (1953). 6207.

[*Information compiled as at* 16/6/53.]

# KARNATAK UNIVERSITY

Founded 1949; incorporated 1950

*Postal Address*: Dharwar, Bombay State, India.
*Telephone*: Dharwar 43.

CHANCELLOR—H.E. Sir GIRJA SHANKAR BAJPAI, K.C.S.I., K.B.E., C.I.E., Governor of Bombay.

VICE-CHANCELLOR—C. C. HULKOTI, B.A., LL.B.

OFFG. REGISTRAR—S. S. WODEYAR, M.A., LL.B.

LIBRARIAN—K. S. DESHPANDE, M.A., Dip.Lib.

## UNIVERSITY DEPARTMENTS

*Chemistry*
Nargund, K. S., M.Sc., Ph.D.
Prof. and Hd. of Dept.

*Kannada Lang. and Lit.*
Srikantaiah, T. N., M.A.
Prof. and Hd. of Dept.

*Mathematics and Statistics*
Prabhu, N. U., M.A.
Reader and Hd. of Dept.

*Physics*
Tawade, N. R., M.Sc., Ph.D.
Prof. and Hd. of Dept.

## ADMINISTRATIVE AND OTHER STAFF

Sec., Publication Bd. and Bd. of Extra-Mural Studies: C. S. Kanavi, M.A.

## AFFILIATED COLLEGES

BAGALKOT, *Basaveshwar College* (1944). Actg. Principal—L. G. Hiremath, M.A., B.T. Hds. of Depts.: *Biol.*—M. S. Satyanarayan Rao, M.Sc.; *Chem.*—Prof. B. H. Yelburgi, M.Sc.; *Econ.*—S. N. C. Rao, M.A.; *Engl.*—Actg. Principal: L. G. Hiremath, M.A., B.T., Prof.; *Hist.*—K. V. Subbaraya, M.A.; *Kannada*—M. S. Sunkapur, M.A.; *Logic and Philos.*—R. M. Basannavar, M.A.; *Marathi and Ardhamagadhi*—S. S. Pharate, M.A.; *Maths.*—R. Gopalan, M.A.; *Physics*—A. R. Chandrashekhar Rao, M.Sc.; *Sansk.*—C. N. Deshpande, M.A.

BELGAUM, *Lingaraj College* (1933). (*Telephone*: 27.) Principal—G. S. Paramasivayya, M.Sc. *Biol.*—Prof. and Hd. of Dept.: P. S. Chikkanniah, M.Sc.; *Chem.*—Prof. and Hd. of Dept.: V. V. Jatti, M.Sc.; Prof. S. S. Bommannavar, M.Sc.; *Engl.*—Hd. of Dept.: B. Rudrappa, M.A., B.T.; *French*—Hd. of Dept.: S. R. Salkar, M.A.; *Hist. and Econ.*—Hd. of Dept.: M. K. N. Sharma, M.A., B.Ed.; *Kannada*—Prof. and Hd. of Dept.: V. G. Kulkarni, M.A., LL.B.; *Marathi*—Prof. and Hd. of Dept.: K. B. Nikkumb, M.A.; *Maths.*—Prof. and Hd. of Dept.: R. V. Thakkar, M.Sc.; Prof. H. G. S. Sharma, M.Sc.; *Pers. and Urdu*—Hd. of Dept.: M. G. Soudagar, M.A.;

*Philos.*—Hd. of Dept.: L. V. Rajgopal, M.A.; *Physics*—Prof. and Hd. of Dept.: R. S. Mane, M.Sc.; Prof.: Principal G. S. Paramasivayya, M.Sc.; *Portuguese*—Hd. of Dept.: B. Miranda, M.A.; *Sansk. and Ardhamagadhi*—Prof. and Hd. of Dept.: S. V. Dixit, M.A.

BELGAUM, *R.L. Law College* (1939). Principal—V. R. Bhat, M.A., LL.M. *Engl.*—Prof. and Hd. of Dept.: N. S. Rangnath Rao, M.A., LL.B.; *Hist. and Sociol.*—Prof. and Hd. of Dept.: A. P. Karmarkar, M.A., LL.B., Ph.D.; *Law*—Prof. and Hd. of Dept.: Principal V. R. Bhat, M.A., LL.M.; Professors: R. G. Deole, B.A., LL.B.; A. P. Karmarkar, M.A., LL.B., Ph.D.; B. R. Majli, B.A., LL.B.; V. A. Majumdar, B.A., LL.B.; S. R. Nyamati, M.A., LL.B.; G. D. Shirgurkar, B.A., LL.B.

BELGAUM, *R.P.D. College* (1948). (*Telephone*: 79.) Offg. Principal—P. N. Narasingarao, M.A. (Econ.), M.A. *Biol.*—Prof. and Hd. of Dept.: B. R. Pandit, M.Sc.; *Chem.*—Prof. and Hd. of Dept.: R. J. Phadke, B.Sc., Ph.D.; *Engl.*—Prof. and Hd. of Dept.: N. S. Adhikari, B.A.; Prof. G. V. Karandikar, M.A.; *French and Portuguese*—Hd. of Dept.: Rev. Fr. Albino Sa; *Hist. and Econ.*—Prof. and Hd. of Dept.: Offg. Principal P. N. Narasingarao, M.A. (Econ.), M.A.; *Kannada*—Prof. and Hd. of Dept.: K. G. Kundangar, M.A.; *Marathi*—Prof. and Hd. of Dept.: M. A. Bhatavadekar; *Maths.*—Hd. of Dept.: C. R. Marathe, B.A.; *Philos.*—Hd. of Dept.: B. R. Kulkarni, M.A.; *Phys. Trg.*—P. R. Soman; *Physics*—Hd. of Dept.: N. N. Dhar, M.Sc.; *Sansk. and Ardhamagadhi*—Prof. and Hd. of Dept.: V. K. Joshi, M.A.

BELGAUM, *S.T. College* (1939). (*Telephone*: 197.) Principal—G. S. Krishnayya, M.A., Ph.D. Col. Prof. and Hd. of Dept. of Education: S. V. Kelkar, B.Sc., B.T., M.Ed., Ph.D.

BIJAPUR, *Vijay College* (1944). Principal—T. K. Patil, M.A. Lond. Hds. of Depts.: *Ardhamagadhi*—S. R. Bhide, M.A.; *Biol.*—Mrs. S. T. Reuben, M.Sc.; *Chem.*—Prof. P. S. Sastry, M.Sc.; *Engl.*—Prof. B. S. Ganachari, M.A., B.T.; *Hist. and Econ.*—Prof. C. S. Krishnamurti, M.A.; *Kannada*—Prof. H. T. Sasnur, M.A., B.T.; *Marathi*—G. M. Kulkarni, M.A.; *Maths.*—Prof. T. K. Patil, M.A. Lond.; *Pers. and Urdu*—M. A. Bhandari, M.A.; *Philos.*—Prof. T. Reuben, M.A.; *Physics*—P. C. Rao, M.Sc.; *Sansk.*—V. B. Inamdar, M.A.

DHARWAR, *College of Agriculture* (1947). (*Telephone*: 73.) Principal—Prof. S W. Mensinkai, M.Sc., Ph.D. Lond., Dip.Agri. R'dg., D.I.C. Professors: *Agric. Bot.*—S. W. Mensinkai, M.Sc., Ph.D. Lond., Dip.Agri. R'dg., D.I.C.; S. N. Murti, M.Sc.; *Agric. Chem.*—M. A. S. Iyengar, B.Ag.; *Agric. Econ.*—N. P. Patil, B.Sc. (Agri.), Ph.D. (Agri. Econ.); *Agric. Engin., Maths. and Phys.*—R. F. Patil, B.E. (Civil); *Agric. Entomol.*—H. L. Kulkarni, M.Sc. (Agri.); *Agron.*—B. A. Chaugule, M.Sc., Ph.D. Calif.; *Animal Husb. and Dairying*—S. K. Goni, B.Sc., M.S., Ph.D. Minn.; *Hortic.*—S. D. Kololgi, M.S. Calif., M.Sc. (Agri.); *Plant Pathol. and Bacteriol.*—R. S. Deshpande, B.Sc., Ph.D. Lond.; *Vet. Sci.*—K. L. Shiggaon.

DHARWAR, *Karnatak College* (1917). (*Telephone*: 18.) Principal—V. K. Gokak, M.A. Oxon. Hds. of Depts.: *Bot.*—Mrs. E. Gonzalves, M.Sc.; *Chem.*—R. M. Joshi, M.Sc.; *Engl.*—Principal V. K. Gokak, M.A. Oxon., Prof.; *Geog.*—Prof. C. D. Deshpande, M.A., Dip. in Geog. Lond.; *Hist. and Econ.*—B. R. Dhekney, M.A., Ph.D.; *Kannada*—Prof. S. S. Malwad, M.A.; *Marathi*—M. V. Dhond, M.A., LL.B.; *Maths. and Stats.*—R. R. Umarji, M.Sc., A.M. Col.; *Philos.*—T. G. Kalghatgi, M.A.; *Phys. Trg.*—T. G. Patil, M.A., Dip. in Educn.; *Phys.*—Prof. D. J. Davar, M.Sc., Ph.D.; *Sansk. and*

*Ardhamagadhi*—A. M. Ghatge, M.A., Ph.D.; *Urdu and Persian*—M. A. H. Farooqui, M.A., Ph.D.; *Zool.*—Prof. K. R. Karandikar, M.Sc., Ph.D.

DHARWAR, *K.E. Board's College* (1944). (*Telephone*: 68.) Hon. Principal—M. K. Wade, M.A., Ph.D. Lond. Hds. of Depts.: *Biol.*—S. V. Rajan, M.Sc.; *Chem.*—J. A. Ashtaputre, M.Sc.; *Econ.*—Hon. Prof. G. B. Jathar, M.A. Camb.; *Engl.*—Hon. Prof. M. K. Wade, M.A., Ph.D. Lond.; *Geog.*—H. D. Lele, M.A., B.T.; *Hindi*—Hon. Prof. M. K. Wade, M.A., Ph.D. Lond.; *Kannada*—Prof. R. Y. Dharwadkar, M.A.; *Logic and Philos.*—Prof. N. R. Kulkarni, M.A., LL.B.; *Marathi*—G. A. Kulkarni, M.A.; *Maths.*—P. R. Praneshrao, M.Sc.; *Persian and Urdu*—G. A. Javali, M.A.; *Physics*—Prof. N. V. Gejji, M.Sc.; *Sansk. and Prakrit*—Prof. H. R. Naware, M.A.

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## GENERAL INFORMATION

In Oct. 1949, the Univ. started functioning in the building formerly occupied by the Training College for Men, Dharwar. The Govt. of Bombay has also given a site known as Chhota-Mahabaleshwar, of about 300 acres, about two miles from the city of Dharwar, for the contruction of the Univ. buildings. The construction of the Administrative Block of the Univ. and residential quarters for the Vice-Chancellor, the Registrar and Asst. Registrar,

and the Univ. Professors, has been undertaken. The Univ. started two post-graduate departments—the Dept. of Kannada Language and Literature and the Dept. of Mathematics and Statistics, in June 1952. Extension lectures were also begun in 1952.

INCOME (1952–53). Total Income: Rs. 9,86,000 (fees, 28 per cent.; Govt. grants, 55 per cent.; endowments, 5 per cent.). (The figures relate to principal sources only.)

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DEGREES AND DEGREE COURSES. B.A. (General and Special), B.Sc., B.Ed., B.Com., B.Sc. (Agri.), LL.B. and B.E. (Civil). Courses of study for a Bachelor's degree, 2 yrs. after Inter. Examn. LL.B., 3 yrs.' course after Inter. Examn. and 2 yrs.' course after graduation in Arts or Comm. Course for B.Sc. (Agri.), 4 yrs. after S.S.C. Examn. Students passing B.A. and B.Sc. examns. in the first and second classes are declared to have passed the examns. with Honours.

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DIPLOMA. Dipl. in Teaching (T.D.).

ACADEMIC YEAR. Two terms: from June 15 to September 26, and from October 22 to March 15.

The LANGUAGE OF INSTRUCTION at present is English.

PRINCIPAL POSTGRADUATE AWARDS. 18 studentships, each of Rs. 50 p.m., tenable for 2 yrs., are available at M.A. and M.Sc. courses under the direct control of the Univ. in the following subjects: Kannada, Sanskrit, Engl., Philos., Econ., Maths., Geog., Phys., Chem., Bot., Zool. and Geol.

STUDENT RESIDENCE. Karnatak Univ. Hostel, Dharwar (for 50 students, intended mainly for postgraduates); fees, Rs. 40 per term.

PUBLICATIONS. *Bulletin*, Vol. I, No. 1; *Hand-book*, Part I.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. K. H. Kabbur, Bombay, Rs. 14,000 for prize of Rs. 100 and Scholp. of Rs. 25 p.m.; L. G. Patel, of Anand, Rs. 2000 for prize; Mrs. D. Bakhle Meenakshi, Rs. 6000 for prize.

NEW BUILDINGS. The Univ. plans to erect bldgs. on Chhota-Mahabaleshwar, a site at a short distance from Dharwar. The construction of the admin. bldg., the foundation-stone of which was laid by the President of the Indian Republic, Dr. Rajendra Prasad, on March 30, 1951, progresses rapidly.

NEW DEPARTMENTS. Dept. of Maths. and Stats. and Dept. of Kannada Lang. and Lit.

RETIREMENTS. R. A. Jahagirdar, first Vice-Chancellor; D. P. Patravali, Registrar.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 4815 |
| Women | .. | 440 |
| Total | .. | 5255 |

Postgraduate students, 142.

DEGREES AWARDED. *Agric.*: B.Sc. (Agri.), 37. *Arts*: B.A., 134; M.A., 11; B.Ed., 14; M.Ed., 3. *Comm.*: B.Com., 3. *Law*: LL.B, 66. *Sci.*: B.Sc., 92; M.Sc., 6.

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*Physics*

Teachers

Pandey, S. K., M.Sc., B.T.
Vaish, K. N., M.Sc., L.T.

*Zoology*

Teachers

Misra, V. R., M.Sc.
Srinastava, R. P., M.Sc.

## KARAMAT HUSAIN MUSLIM GIRLS' COLLEGE

*Principal*—Miss Roshan Jahan Begam, M.A.

*Economics and Sociology*

Teachers

Salim, Mrs. Hamida, M.A., B.T.
.....

*English*

Afridi, Miss W. N., M.A. Teacher.

*History* [Teacher.

Naqvi, Mrs. Hamida, M.A.

*Persian and Urdu*

Zaheer, Mrs. R. S., M.A. Teacher.

*Philosophy*

..... Teacher.

*Political Science*

Gupta, Mrs. S. K., M.A. Teacher.

## KING GEORGE'S MEDICAL COLLEGE (*Telephone*: 202)

*Principal*—Col. R. K. Tandon, M.B., B.S.

*Anatomy*

Narayan, D., M.B., M.S. Prof.
Varma, H. C., M.B., M.S. Reader.

Lecturers

Das, A. C., M.B., M.S.
Ribeiro, W., M.B., M.S.
Misra, B. D., M.B., M.S.
Kackar, G. M., M.B., B.S. Agra, M.S.
Chaturvedi, R. P., M.B., M.S.
4 Sr. and 2 Jr. Demrs.

*Ayurvedic*

Dwivedi, V. N., B.A. Reader.
Sharma, J. D., M.B., B.S. Lectr.
Sharma, S. D. Lectr.

*Dentistry*

..... Reader.

Lecturers

Chaudhry, K. P., B.D.S.
Gupta, H. D.
Chawla, T. N., B.Sc., B.D.S., M.S.
2 Sr. Demrs., 1 Anæsthetist.

*Diseases of Ear, Nose and Throat*

Misra, R. N., M.B., M.S., D.L.O. Reader.
Bhatia, M. L., M.B., B.S., D.L.O. Lectr.

*Forensic Medicine*

Dixit, R. G., M.D., T.D.D., D.M.R.E. Pt.-time Prof.

*Medicine*

Sahai, H., M.B., B.S. Panj. Emer. Prof.
Bhatia, B. B., M.D. Prof.
Misra, S. S., M.D. Prof.
Gupta, N. N., M.D., B.S. Reader.
Kunwar, K. B., M.B., B.S., M.D. (Pathol., Med. and Pharm.) Reader.
Chakravarty, S. N., M.D. Reader.
Sharma, D. N., M.B., B.S. (Medicine) Pt.-time Reader.
The Supt., Mental Hosp., Agra Teacher in Mental Diseases.
Sharma, N. L., M.B., B.S., D.T.M., D.P.H. Calc., D.C.H. Lond. (Pædiatrics) Lectr.
Gupta, R. N., M.B., B.S. (Dermatol.) Lectr.
Raghuvanshi, N. S., M.B., B.S. (Pædiatrics) Pt.-time Lectr.
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. Emer. Prof.
Gupta, S. P., M.B., D.O.M.S. Lond., F.R.C.S.Ed. Prof.
Khanna, Capt. V. N., M.B., B.S., D.T.M., D.O., D.O.M.S. Reader.
Hans Raj, M. B., B.S., L.O. Pt.-time Reader.
Shukla, K. N., M.B., M.S. Lectr.

*Orthopædics*

Sinha, B. N., M.B., B.S., F.R.C.S. Reader.
Saksena, Capt. R. K., M.B., B.S. Pt.-time Lectr.

*Pathology*

Mangalik, V. S., M.D., D.C.P. Lond. Prof.
Gupta, S. P., B.Sc. Ban., M.D. (Pathol. and Med.), Dip. Bact. Lond. Reader.
Gupta, N. P., M.D., B.S., Dip. Bact. Lond. Reader.
Mehrotra, R. M. L., M.D., B.S. Temp. Reader.
Wahal, K. M., M.D., B.S. Lectr.
Kumar, Abhaya, M.Sc., D.Phil. Lectr.
2 Sr. and 3 Jr. Demrs.

*Pharmacology*

Gujral, M. L., M.B., B.S. Prof.
Chowdhury, N. K., M.D., B.S., Ph.D., D.T.M. Reader.
Srivastava, R. S., M.Sc., Ph.D. Lond. Reader.
Bhargava, K. P., M.D., B.S. Lectr.
3 Sr. and 1 Jr. Demrs. and 1 Pharmaceutical Chemist.

*Physiology*

Mathur, S. N., M.B., B.S. Alld., Ph.D. Lond. Prof.

Readers

Shukla, R. C., M.D., B.S.
Malaviya, B. K., M.Sc., Ph.D. Alld.

Lecturers

Kapoor, S. R., M.D., B.S.
Garg, S. K., M.B., B.S.
Prasad, J., M.B., B.S.
Chowdhury, M. S., M.D., B.S.
6 Sr. and 2 Jr. Demrs.

*Radiology*

Chatterji, C., B.Sc. Alld., M.B., B.S., D.M.R. Lond. Reader.

Lal, B., M.D., B.S., D.M.R.E. (Radio-Therapy) Lectr.

Part-time Lecturers

Kumar, A., M.B., B.S., D.M.R.E.
Krishna, B., M.Sc. (Radio-Physics).

*Social Medicine and Public Health*

Yajnik, B. S., M.B., B.S., D.P.H. Pt.-time Prof.
Prasad, B. G., M.D., D.P.H. Pt.-time Demr.

*Surgery*

Misra, S. C., M.B., B.S., F.R.C.S. Prof.
Singh, R. V., M.B., M.S., F.R.C.S. Prof. (Clin. Surg.).

Readers

Das, P., M.S., F.R.C.S.
Chandra, T., M.S., F.R.C.S.
Chowdhury, K. R., D.O., D.O.M.S., F.R.C.S. Pt.-time Reader.

Lecturers

Sharma, R. N., M.B., M.S.
Charan, A., M.B., M.S.

Part-time Lecturers

Gupta, R. N., M.B., B.S. (Venereal Dis.).
Bahl, I. N., M.B., B.S., D.A. (Anæsthetics).
Pande, R. C., M.B., M.S.

*Tuberculosis*

Tandon, R. N., M.B., B.S., T.D.D., D.M.R.E. Pt.-time Reader.
Mathur, J. B. L., M.D., B.S. Lectr.

## Lucknow Christian College

*Principal*—C. M. Thacore, M.A., T.Dip., Ph.D., LL.D.

*Botany and Geology*

Teachers

Nigam, M. P., M.Sc.
Bhakey, G. N., M.Sc., LL.B.

*Chemistry*

Teachers

Chowfin, E. H., M.Sc., L.T.
Sinha, A. K., M.Sc.
Srivastava, A. K., M.Sc.

*English*

Teachers

Thacore, C. M., M.A., T.Dip., Ph.D., LL.D.
Appasamy, K., M.A., B.D.

*Mathematics and Statistics*

Teachers

Srinastava, R. S. L., M.Sc.
Ghose, P. C., M.Sc., L.T.

*Physics*

Teachers

Mundle, N. K., M.Sc., Ph.D.
Hulse, B. T., M.Sc.

*Zoology*

Teachers

Jordan, E. L., M.Sc. Alld., M.A. Tor.
Nigam, H. C., M.Sc.

## Mahila Vidyalaya College (Women)

*Principal*—Miss K. Sabarwal, M.A. Patna, Ph.D.

*Economics and Sociology*

Vargese, Mrs. S., M.A. Teacher.

*Education*

Teachers

Chaturvedi, Miss V., M.A., L.T., M.Ed.
Saxena, Miss S., M.A., L.T., M.Ed.
Varma, Miss Y., M.A., B.T., M.Ed.
Srivastava, Mrs. S., M.A., B.T. (Pt.-time).
Handu, Miss N., M.A., B.T., M.Ed.

*English*

Teachers

.....

Vyas, Manorama, M.A.

Dutt, Mrs. S., M.A., D.T.

*Hindi*

Srinastava, Miss R. K., M.A.

Singh, Miss R., M.A., LL.B.

*History*

Teachers

Srivastava, Mrs. Rameshwari D., M.A., M.Ed.

Sinha, Mrs. C., M.A.

*Mathematics and Statistics*

Bajpai, Miss Saraswati, M.A., L.T. Teacher.

*Philosophy*

Lal, Miss Priti K., M.A., B.T. Teacher.

*Sanskrit and Prakrit Languages*

Tiwari, Mrs. Pratibha, M.A. Teacher.

Sinha, Mrs. C., M.A. Teacher.

SHIA COLLEGE

*Principal*—Khwaja Athar Husain, M.A.

*Botany and Geology*

Teachers

Vaish, S. S., M.Sc.

Singh, A., M.Sc.

*Chemistry*

Teachers

Mathur, J. P., M.Sc.

Kakaji, T. N., M.Sc.

*Mathematics*

Teachers

Upadhyaya, C. D., M.Sc.

.....

*Physics*

Teachers

Pandya, T. P., M.Sc.

Srivastava, R. C., M.Sc.

*Zoology*

Teachers

Srinastava, N. N., M.Sc.

Johri, G. N., M.Sc.

## ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES. *Arts*, Prof. K. A. S. Iyer; *Commerce*, Prof. B. N. Chatterji; *Law*, Prof. R. U. Singh; *Medicine*, Prof. V. S. Mangalik; *Medicine (Ancient and Modern)*, Prof. V. S. Mangalik; *Science*, Prof. A. C. Chatterji.

ASST. REGISTRAR: S. Shankar.

ASST. REGISTRAR (Accounts): A. K. Raizada, B.A.

ASST. REGISTRAR (attached to Vice-Chancellor): P. C. Mital, M.A.

ADDITIONAL PROCTORS. Arts, R. Mohan, M.A.; M. D. Joshi, M.A., D.Litt.; Science, S. C. Varma, M.Sc.; Medicine, D. Narayan, M.B., B.S., M.S.; Law, B. N. Sharma, B.A., LL.M.; Commerce, ..... ; Women Students, Mrs. P. Shukla, M.A., B.T.

SR. N.C.C. OFFICER. Capt. A. L. Loomba, M.A.

SUPT. GANDHI MEMORIAL AND ASSOCIATED HOSPS., Col. R. K. Tandon, M.B., B.S.; Deputy Supt., P. K. P. Pillai, B.A., LL.B.

CANNING COLLEGE. Wardens, K. Prasad, M.A., LL.B. (Butler Hostel); A. C. Chatterji, D.Sc., Dr.Ing. Berl. (Subhas Hostel); S. C. Varma, M.Sc.

(Tilak Hostel); K. C. Sarkar, M.A., Ph.D. (Mahmudabad Hostel); G. S. Sharma, M.A., LL.M., J.S.D. Yale (Habibullah Hostel); B. Singh, M.A., LL.B., Ph.D., D.Litt. (V.-C.'s Lodge Hostel); S. N. Das Gupta, M.Sc., Ph.D., D.Sc. (Narendra Deva Hostel); Mrs. P. Shukla, M.A., B.T. (Kailash Hostel). Medical Officer, B. N. Mehrotra, M.B., B.S. Resident Medical Officer, S. B. Singh.

ISABELLA THOBURN COLLEGE. Vice-Principal, Miss A. F. Hunt, M.A. Chief Warden, Miss Shahadat Masih, M.A. Medical Officer, Miss M. Fox.

KANYA KUBJA COLLEGE. Vice-Principal, N. C. Chatterji, M.A. Warden, L. S. Misra, M.A. Medical Officer, .....

KARAMAT HUSAIN MUSLIM GIRLS' COLLEGE. Warden, ..... Medical Officer, Tara Chand, M.B., B.S.

KING GEORGE'S MEDICAL COLLEGE. Wardens, S. S. Misra, M.D. (Chakravarti Hostel); M. L. Gujral, M.B., B.S. (Gokaran Nath Misra Hostel); S. C. Misra, M.B., B.S., F.R.C.S. (Sardar Patel Hostel); Miss D. M. Satur, B.A., M.B., B.S. Madr., F.R.C.S.Ed. (Vijaya Lakshmi Hostel).

LUCKNOW CHRISTIAN COLLEGE. Wardens, K. Appasamy, M.A., B.D. (C. L. Bare Hostel); E. H. Chowfin, M.Sc., L.T. (O.C. Hostel). Medical Officer, .....

MAHILA VIDYALAYA COLLEGE. Warden, Mrs. J. N. Srivastava, M.A. Medical Officer, Mrs. P. Arora, M.B., B.S.

SHIA COLLEGE. Vice-Principal, ..... Warden, N. H. Alley, M.A., LL.B. Medical Officer, .....

## GENERAL INFORMATION

**This residential and teaching Univ. was established under an Act of the Provincial Legislature passed in Nov. 1920. The authorities of the Univ. include a Court, Executive Council, Academic Council, Committee of Reference and Faculties.**

FACULTIES. Arts, Commerce, Law, Medicine, Medicine (Ancient and Modern), Science. (For Deans *see* "Administrative and other Staff," p. 1285.)

LIBRARY. 139,765 vols. (including King George's Med. Coll. and Bonarjee Library).

ADMISSION. **Qualifications for Degree courses: Arts or Science—the Intermediate Examn. of an Indian Univ. or of the Board of High School and Intermediate Education, U.P., or of Rajputana (incl. Ajmer-Merwara), Central India, and Gwalior, or of the Board of Intermediate and Secondary Education, Dacca, the Examination conducted by the Board of Secondary Education, United States of Madhya Bharat, and the Cambridge Higher School Certificate Examination, previous examn. of Camb. Univ., Responsions of Oxford Univ. Law—Degree in Arts, Science or Commerce. Commerce—Commercial Diploma of the Panjab Univ., or the Intermediate Examn. in Commerce of the Board of High School and Interm. Education, U.P., or of Rajputana (incl. Ajmer-Merwara), Central India, and Gwalior, or the Interm. Examn. in Arts (Group B—Special) of Delhi Univ. or Interm. Examn. in Group E of the Board of Interm. and Secondary Education, Dacca; the Interm. Examn. of Andhra Univ., in 3 Commercial subjects; Interm. or B.A. Examn. of any recognized Univ., with Economics; Pt. I of the Associate Examn. of the Indian Institute of Bankers after passing Interm. Examn.; All-India Sr.**

Diploma Examn. of the All-India Board of Commercial Studies, Delhi. Med.—Degree in Science of Agra or Alig., Alld., Ban., Bom., Calc., Dacca, Delhi, Madr., Mys., Nag., Panj., Patna or Rangoon taken with Chem. and Biol. as optional subjects, or, subject to certain conditions, the Inter. Examn. of Alig., Ban., Panj., East Panjab, Raj., Nag., Saug., Bom., Patna, Karn., Delhi, Inter. Board of Ed., U.P., or the Examn. conducted by the Board of Sec. Education, United States of Madhya Bharat; B.Sc. examn. of the Univ. of S. Africa.

The usual LANGUAGES OF INSTRUCTION are Hindi and English.

DEGREES. B.A. Pass, 2 yrs.; B.A. Hons., 3 yrs.; M.A., 2 yrs. after B.A. (or after B.A. Hons., 1 yr.); Ph.D., after 2 yrs.' research; D.Litt., 5 yrs. after having taken Ph.D., also Honorary. B.Sc. Pass, 2 yrs.; B.Sc. Hons., 3 yrs.; M.Sc., 2 yrs. (or after B.Sc. Hons., 1 yr.); Ph.D., after 2 yrs.' research; D.Sc., 5 yrs. after having taken Ph.D., also Honorary. M.Ed., 2 yrs. for grads. and 1 yr. for B.Ed.Sc. or L.T. graduates; M.S.W. (Master of Social Work), LL.B., 2 yrs. after B.A. or B.Sc. or other specified degree; LL.M., 2 yrs. after LL.B.; LL.D., 3 yrs. after LL.M., also Honorary. M.B., B.S., 5 yrs.; B.D.S., 2 yrs. for Medical graduates and 4 yrs. for undergraduates; M.D., M.S., 3 yrs. after M.B., B.S.; B.M., B.S., 5 yrs.' course after Inter. Science and 6 yrs.' course for non-Inter. Science students; B.Com., 2 yrs.; M.Com., 2 yrs. after B.Com.; Ph.D., after 2 yrs.' research. Lectures are supplemented by tutorial work.

DIPLOMAS AND CERTIFICATES. Dipls. are granted in Pub. Admin., 2 yrs. for undergrads. and 1 yr. for grads.; Foreign Affairs and Diplomacy, 1 yr.; Psychol., 1 yr.; Med. Radiol. and Electricity, 1 yr.; Laryngol. and Otol., 1 yr.; Gynæcol. and Obstet., 1 yr.; Teaching, 1 yr.; Arabic, 1 yr.; Persian, 1 yr.; Sansk., 1 yr.; Military Sci., 1 yr.; Tuberculosis Dis., 1 yr.; Ophthalmic Med. and Surg., 1 yr.; Clin. Pathol., 1 yr.; Certs. of Proficiency in French, German and Russian, 1 yr.; and Dipls. in French, German and Russian, 2 yrs.

FEES for tuition per session: B.A. Pass and Hons., or B.Com., Rs. 144; M.A., M.Com. or LL.M., Rs. 180; M.B., B.S., Rs. 200; B.D.S., Rs. 300, and B.M., B.S., Rs. 200; Diplomas in Med. Radiol. and Elect., Laryngol. and Otol., Gynæcol. and Obst., and Tuberculosis Diseases, Rs. 400 for students outside U.P., Rs. 300 for U.P. students; B.Sc. Pass and Hons., or M.Ed., Rs. 180 (Geol., Rs. 255); M.Sc., Rs. 216 (Maths., Rs. 180; Geol., Rs. 291); LL.B., Rs. 180; D.Sc., Rs. 270; Ph.D., Rs. 180 (Rs. 270 if work involves use of Labs.); L.T., Rs. 162; Dip. in Military Sci., Rs. 18; Dip. in Psychol., Rs. 72; Dip. in Pub. Admin., Rs. 96; Dip. in Foreign Affairs and Diplomacy, Rs. 216; Dip. in French, or German or Russian, Rs. 60 for students already on Univ. registers and Rs. 120 for others; Certif. of Proficiency in French or German or Russian, Rs. 48; D.O.M.S., Rs. 300; D.C.P., Rs. 150.

RESIDENCE. Students are required, unless specially exempted, to live in hostels attached to King George's Medical Coll., Canning Coll., Lucknow Christian Coll., Kanya Kubja Coll., and Shia Coll. for men; Isabella Thoburn Coll., Mahila Vidyalaya Coll. and Karamat Husain Muslim Girls' Coll. for women. There are also Univ. hostels for women students attached to Canning Coll. and King George's Medical Coll. Fees: For men—Rs. 90 to Rs. 135 per session, according to room. For women—Rs. 67·8 to Rs. 90 per session, according to room. For Wardens *see* "Administrative and other Staff," p. 1285.

PUBLICATIONS. *Calendar* (alternate yrs., Rs. 12); *Prospectus* (annual, Rs. 2·4); *Annual Report* (free); *Quinquennial Report of Research Work* (free); *Lucknow University Studies*; *Radha Kumud Mookerji Endowment Lectures*.

## THE YEAR 1951–52

EXTRA-MURAL WORK. Extension Lectures delivered by members of staff. Night Schools, Lantern Lectures and Civic Surveys organized by students in the Univ. Close contact established with evening schools for working men's children.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 5883 |
| Women | .. | 516 |
| Total | .. | 6399 |

DEGREES (1953). Ph.D. (Arts), 2; Ph.D. (Sci.), 4; M.D., 14; M.S., 11; LL.M., 3; M.A., 345; M.Sc., 121; M.Com., 66; M.Ed., 11; LL.B., 330; B.A. (Hons.), 35; B.Sc. (Hons.), 21; M.B., B.S., 68; L.T., 116; B.A. (Pass), 689; B.Sc. (Pass), 282; B.Com., 155; M.S.T., 41.

DIPLOMAS (1953). D.P.A., 80; D.F.A., 1; D.T.D., 1; German, 4; French, 2; Russian, 2. Arabic: Fazil-i-Adab, 5; Alim, 2; Fazil-i-Tafseer, 10. Persian: Dabir-i-Kamil, 6; Dabir-i-Mahir, 1. Sanskrit: Acharya, 2; Shastri, 1.

# UNIVERSITY OF MADRAS*

Founded 1857

*Postal Address*: University Buildings, Chepauk, Triplicane P.O., Madras 5, India.

*Telegrams*: University, Madras.

*Telephone*: Madras 86914, 86822.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR—THE MINISTER FOR EDUCATION.

VICE-CHANCELLOR—Lt.-Col. DIWAN BAHADUR SIR A. LAKSHMANASWAMI MUDALIAR, D.C.L. Oxon., B.A., M.D., LL.D., D.Sc., F.R.C.O.G., F.A.C.S.

REGISTRAR—R. RAVI VARMA, M.A. Lond.

DEPUTY REGISTRAR—RAO SAHIB CAPT. D. SIVASUBRAHMANIA MUDALIAR.

ASSISTANT REGISTRAR—D. NARAYANAN.

LIBRARIAN—R. JANARDHANAM NAIDU, B.A., L.T., D.E. Oxon., Dip. L.S., F.L.A.

ASSISTANT LIBRARIAN—V. S. MUTHIAH, M.A., L.T. Mich.

## UNIVERSITY TEACHING AND RESEARCH STAFF

*Anthropology*

Ehrenfels, Baron U. R., Ph.D. Vienna — Lectr.

*Biochemistry*

Subbaraya Sarma, P., M.Sc., Ph.D. Wis. — Prof.

Shanmugasundaram, E. R. B., M.A. — Lectr.

Radhakrishnamurthy, R., B.Sc. — Res. Asst.

*Botany*

Sadasivan, T. S., M.Sc., Ph.D. Lond. — Prof.

Subramanyam, C. V., M.A., Ph.D. — Reader.

..... — Sr. Lectr.

Ramakrishnan, K., B.Sc. — Res. Asst.

*Chemistry, Organic*

Menon, K. N., M.Sc., Ph.D. — Prof.

Swaminathan, S., B.Sc., Ph.D. — Reader.

*Chemistry, Physical*

Santhappa, M., B.A., Ph.D. Manc., Ph.D. Lond. — Reader.

*Geography*

Kuriyan, G., B.A., B.Sc., Ph.D. Lond. — Prof.

Prakasa Rao, V. L. S., M.A., D.Phil. — Sr. Lectr.

*Geology*

Jagapathy Naidu, P. R., M.Sc., D.Phil. Basle — Reader.

*Indian Economics*

Balakrishna, R., M.A., Ph.D. Lond. — Prof.

Zacharias, C. W. B., M.A. — Reader.

Bright Singh, D., B.A., Ph.D. — Sr. Lectr.

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

*Indian History and Archæology*

Dikshitar, V. R. R., M.A., Dip. Econ. Prof.

Mahalingam, T. V., M.A., D.Litt. Reader.

Arokiyaswami, M., M.A., Ph.D. Lectr.

*Indian Music*

Sambamurti, P., B.A., B.L. Reader.

*Indian Philosophy*

Mahadevan, T. M. P., M.A., Ph.D. Reader.

*Legal Studies*

Alexandrowicz, C. H., LL.M., LL.D. (Internat. and Constit. Law) Prof.

*Mathematics*

Krishnan, V. S., M.A., D.Sc., B.T. Reader.

Venkataraman, M., M.A., Ph.D. Sr. Lectr.

*Physics*

Ramachandran, G. N., M.Sc., Ph.D. Camb., D.Sc. Prof.

Ramarkrishnan, A., B.Sc., Ph.D. Manc. Reader.

Chandrasekharan, K. S., M.Sc. Res. Asst.

*Politics and Public Administration*

Bhaskaran, R., M.A. Reader.

*Psychology*

Boaz, G. D., M.A., D.Phil. Oxon. Prof.

Shanmugham, T. E., M.A., M.Litt. Sr. Lectr.

*Statistics*

Rajalakshman, D. V., M.A., M.Sc., Ph.D., F.S.S. Reader.

Lingappaiah, G. S., M.Sc. Lectr.

*Zoology*

Gnanamuthu, C. P., M.A., D.Sc. Prof.

Krishnan, G., M.A., M.Sc., Ph.D. Manc. Reader.

Krishnaswamy, S., M.Sc. Lectr.

Sebastian, V. O., B.A., M.Sc. Res. Asst.

### Technology

*Chemical Engineering*

Govinda Rao, M. A., M.A., Ph.D. Lond. Dir.

Readers

Jayaraman, V. S., B.E. (General Engin.).

Laddha, G. S., Ch.E., Ph.D. Purdue, B.Sc., B.Sc. (Tech.), M.Sc. (Chem. Engin.).

Madhavan Nair, A. P., M.A. (Appl. Phys. Chem.).

Lecturers

Janardhan, P. B., M.A., Ph.D., F.R.I.C. (Industr. Chem.).

Chennakesavan, B., B.Sc.Tech. (Chem. Engin.).

Murugamanickam, P., B.E. (General Engin.).

*Textile Technology*

Mohanty, B. C., M.Sc. Leeds Prof.

Krishnamurti, S., B.Sc., B.Sc. (Tech.) (Weaving) Reader.

Quraishi, R. A., B.Sc., B.Sc. (Tech.) (Spinning) Sr. Lectr.

Balakrishnan, O. K., B.Sc. (Textile Chem.) Jr. Lectr.

## Oriental Research Institute

(4 Sections—*Sanskritic, Dravidian, Islamic and Hindi*)

*Arabic, Persian and Urdu*

Nainar, S. M. H., M.A., LL.B., Ph.D. Lond. Prof.

Junior Lecturers

Usha, A. H. S., B.A. (Persian).

Kokan, M. Y., M.A. (Urdu).

*Hindi*

Naidu, S. S. R., M.A. Sr. Lectr.

*Kannada*

Mariappa Bhat, M., M.A., L.T. Reader.

Govinda Rao, M., M.A., B.O.L. Jr. Lectr.

*Malayalam*

Krishnan Nayar, S., M.A., Ph.D. Sr. Lectr.

Ezhuthachan, K. N., M.A. Jr. Lectr.

*Sanskrit*

Raghavan, V., M.A., Ph.D. Reader.

Kunjunni Raja, K., M.A., Ph.D. Sr. Lectr.

Subramania Sastri, S., B.O.L., M.A. Jr. Lectr.

*Tamil*

Sethu Pillai, R. P., B.A., B.L. Prof.

Dorai Rangaswamy, M. A., M.A., M.O.L. Sr. Lectr.

Purushothama Naidu, B. R. Jr. Lectr.

*Telugu*

Venkata Rao, N., M.A. Sr. Lectr.

Ramakrishna Sastry, S., M.A., B.O.L. Jr. Lectr.

## CONSTITUENT HONOURS COLLEGES

MADRAS, *Loyola College*, Madras, 6. (Recognized in Hons. Courses in Econ., Maths., Chem. and Comm.) Principal—Rev. T. A. Mathias, B.Sc.; Profs. and Lectrs.: *Botany*—Rev. A. Rapinat; Rev. Pallithanam, B.Sc.; R. Rama Rao. *Chem.*—Rev. L. M. Yeddanapalle, M.A., Ph.D., D.Sc.; M. P. Sebastian, M.Sc.; P. C. Scaria, M.Sc. *Commerce*—G. Soundararajan, B.A., B.L.; D. V. Krishnamurti, B.A., LL.B. *Econ. and Hist.*—Rev. F. Basenach, B.Sc. Lond., Ph.D. *English*—Rev. L. D. Murphy, M.A. Oxon.; Rev. C. Leigh; A. L. Krishnan, M.A.; Rev. L. Sundaram, M.A.; Rev. J. Arulswami. *Latin*—Rev. F. Amesua. *Malayalam*—K. N. Sankaran Unni, M.A. *French*—A. Gabriel, M.A.; E. Divien, B.A. *Logic*—Rev. F. Varin; Rev. A. M. Antonyswami. *Maths.*—Rev. C. Racine, D.Sc.; K. S. Anantanarayana Iyer, M.A.; V. A. Mahalingham, M.A.; K. A. Adivarahan, M.A.; S. Narayanan, M.A. *Physics*—V. Somasundaram Iyer, M.A.; S. R. Govindarajan, M.Sc.; C. C. Ouseph, B.Sc. *Sanskrit*—K. V. Subramanya Sastri, M.A.; V. Varadachari, B.A. *Tamil*—S. Srinivasa Ayyangar, B.A. *Zoology*—T. N. Ananthakrishnan, B.Sc. 69 other Teachers.

MADRAS, *Pachaiyappa's College*, Madras 10. (Recognized in Hons. Courses in Econ., Hist., Maths., Philos., Comm., Tamil, Telugu.) Principal—R. Krishnamurti, M.A. Profs. and Asst. Profs.: *Bot.*—V. S. Sundaralingam, M.Sc. *Chem.*—P. Bhaskarapanikkar, M.Sc. *Commerce*—P. R. Sundararajan, M.A., L.T., M.Com. *Econ.*—C. D. Rajeswaran, B.Sc. Lond.; A. Muthiah, M.A. *English*—R. Krishnamurti, M.A.; W. V. Venkata Rao, M.A. *French*—M. S. Jothi, M.A. *Hist.*—T. K. Venkataraman, M.A., L.T. *Indian Langs.*—*Tamil*—M. Varadarajan, M.O.L., Ph.D. *Telugu*—S. V. Bhujangaraya Sarma, B.A. *Hindi*—P. V. Chalapateeswara Rao, M.A. *Sanskrit*—A. Shanmugha Mudaliar, M.A. *Maths.*—T. S. Sankaranarayana Pillai, M.A.; K. Narasimhachari, M.A.; A. Ramanathan, M.A. *Philos.*—P. C. Munuswamy, M.A.; V. A. Devasenapati, M.A., Ph.D. *Phys.*—V. P. Narayanan Nambiar, M.A. *Zool.*—B. Bonnell, M.A. 93 other Teachers.

MADRAS, *Presidency College*, Madras 5. (Recognized in Hons. Courses in Bot., Chem., Econ., Engl. Lang. and Lit., Geog., Geol., Hist., Isl. Hist. and Culture, Kannada, Malayalam, Maths., Phys., Pol., Psychol., Sanskrit, Tamil,

Telugu, Zool.) Principal—T. B. Nair, M.A. Lond., L.T. Profs.: *Bot.*—B. G. L. Swamy, D.Sc.; N. Venkatasubramanian, M.A., L.T. *Chem.*—T. R. Govindachari, M.Sc., Ph.D.; T. Muniappan, B.Sc. *Econ.*—S. Velayudham, M.A. *Engl.*—Mrs. G. Parthasarathi, M.A., B.Litt., L.T.; Miss T. Sita Chari, B.A. *Geog.*—B. M. Tirunaranan, B.A. *Geol.*—T. N. Muthuswami Ayyar, M.A., L.T. *Hist.*—T. B. Nair, M.A. Lond., L.T.; K. Kanakasabhapati Pillai, M.A., D.Phil. Oxon., D.Litt. Madr. *Islamic Hist.*—S. A. W. Bukhari, M.A., L.T. *Maths. and Statistics*—P. B. Patnaik, M.A., Ph.D. Lond.; V. R. Srinivasaraghavan, B.A., L.T. *Phys.*—S. Gopalakrishnamurti, M.A., D.Sc.; T. Krishnamurti, M.A. *Psychol.*—..... *Kannada*—M. R. Sastri, M.A. *Malayalam*—M. N. Sree Devi, M.A. *Tamil*—G. Govindarajan, M.A. *Telugu*—R. Lakshminarain Rao, M.A. *Sanskrit*—A. Sankaran, M.A., Ph.D. *Zool.*—J. P. Sunder Rao, M.A., M.Sc.; H. Enoch, M.A. 106 other Teachers.

MADRAS, *Queen Mary's College.* (Recognized in Hons. Course in Geog.) Principal—Miss Vijaya Koman, M.A., L.T. *English*—Miss B. Ahalya Bai, M.A., L.T. *Languages*: *Tamil*—Miss R. Rajamani, B.A., L.T.; *Telugu*—Miss I. Rajyalakshmi, B.A.; *Sanskrit*—Mrs. Devaki K. Menon, B.A.; *Malayalam*—Miss K. Bhanumati, M.A.; *French*—Mrs. D. Stuart, B.A., L.T. *History*—Miss Vijaya Koman, M.A., L.T. *Econ.*—Mrs. L. Kalliyini Kutty, M.A. *Logic*—Mrs. R. Kalpagam, B.A. *Geography*—Mrs. R. Radha, M.A., L.T. *Mathematics*—Miss S. Pankajam, M.A., M.Sc., L.T.; Miss K. Nathaniel, M.A., L.T. *Chemistry*—Mrs. T. Vasundhara, M.A., B.Sc., L.T. *Physics*—N. Ammani Amma, M.A., L.T. *Natural Science*—Miss A. K. Joshua, B.Sc. Lond. *Indian Music*—Mrs. Bhanumatiamma, M.A. *Home Science and Household Art*—Stella Doraiswami, M.Sc. Lond.; Mrs. G. S. Ratnam, B.Sc. 57 other Teachers.

MADRAS, *Vivekananda College.* (Recognized in Hons. Courses in Maths., Philos. and Econ.) Principal—N. Sundaram Ayyar, M.A. *Engl.*—N. Ramani, M.A., L.T.; T. S. Devanarayanan, M.A. *Maths.*—N. Sundaram Ayyar, M.A.; T. R. Raghava Sastry, M.A. *Philos.*—P. Sankaranarayanan, M.A., B.L., L.T. *Physics*—M. Narayanamurti, M.A. *Tamil*—C. Jagannathachari, M.A. *Telugu*—N. Bhaktavatsalam, M.A. *Hindi*—K. M. Sridar, M.A. *Chem.*—N. Anatavaidyanathan, M.A. *Botany*—G. Venkataraman, M.A., M.Sc., L.T. *Geog.*—K. Ramamurti, M.A., M.Litt. *Econ.*—V. Ganapati, M.A. *Hist.*—R. S. Chakravarthy, M.A., B.L. *Commerce*—R. Dayanidhi Reddy, B.A., L.T. *Sanskrit*—V. S. V. Raghavachari, M.A. 56 other Teachers.

## AFFILIATED HONOURS COLLEGES

TAMBARAM, *Madras Christian College.* (Recognized in Hons. Courses in English Lang. and Lit., Hist. and Econ., Maths., Philos., Phys., Psychol. and Zool.) Principal—Rev. A. J. Boyd, M.A. Glas., D.D. Profs.: *Botany*—K. R. Venkatasubban, M.A., Ph.D. *Chem.*—S. V. Anantakrishnan, M.A., Ph.D. *English Lang. and Lit.*—Rev. A. J. Boyd, M.A. Glas., D.D.; G. C. Martin, M.A. Edin.; Rev. R. S. Macnicol, M.A. St. And. *Economics*—S. S. Ayyar, M.A. *Hist.*—Chandran Devanesan, M.A. Camb. *Maths.*—W. F. Kibble, M.A., Ph.D. Edin.; K. Narasimha Rao, M.A. *Philos.*—S. P. Adinarayan, M.A. Lond.; C. T. Krishnamachari, M.A. *Physics*—M. A. Thangaraj, M.A., Ph.D. Tor.; *Zool.*—J. P. Joshua, M.A., Ph.D. Liv.; *Sanskrit*—U. Venkatakrishna Rao, M.A.; *Kannada*—K. Narasinga Rao, M.A.; *Malayalam*—K. M. George, M.A., Ph.D.; *Tamil*—P. A. Chettiar, M.A.; *Telugu*—P. R. P. Francis, M.A. 56 other Teachers.

TRICHINOPOLY, *St. Joseph's College.* (Affiliated in Hons. Courses in Econ., Hist., Maths., Physics.) Principal—Rev. X. Ehrhart, M.A. Camb. Profs.: *Botany*—Rev. L. M. Balam, M.A. *Chem.*—A. C. Joseph, M.A. *English*—Rev. T. N. Siqueria, M.A. *Hist. and Econ.*—Rev. J. Adisayam, B.A.; Rev. X. Ehrhart, M.A. Camb.; T. Srinivasan, M.A.; A. Hirudayaswami, M.A. *Logic*—Rev. A. M. S. Chockiah, Ph.D. Pontifical Gregorian U. *Maths.*—Rev. A. Gonsalves, M.A.; S. Suryanarayana, M.A. *Physics*—Rev. J. B. Rajam, M.A., D. ès Sc. Paris; P. R. Subrahmanyan, M.A. *French*—Rev. A. Fournier; *Sanskrit*—V. G. Ayyangar, M.A.; *Malayalam*—T. K. Devasia, M.A.; *Tamil*—R. Mascarenhas, M.A. 83 other Teachers.

## CONSTITUENT FIRST GRADE COLLEGES

MADRAS, *Ethiraj College for Women.* Principal—Srimati Mona Hensman, B.A., M.P. 2 Profs. and 31 other Teachers.

MADRAS, *Govt. Arts College.* Principal—M. Muhammad Ghani, M.A., L.T. 10 Lectrs. and 77 other Teachers.

MADRAS, *Stella Maris College.* Principal—Rev. Mother Lillian. 11 Profs. and 32 other Teachers.

MADRAS, *Women's Christian College.* Principal—Eleanor D. Mason, M.A. Radcliffe, Ph.D. Harv., D.Sc. 12 Profs. and 36 other Teachers.

## AFFILIATED FIRST GRADE COLLEGES

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COIMBATORE, *Government College.* Principal—K. P. G. Menon, B.A. Oxon. 8 Lectrs. and 50 other Teachers.

CUDDAPAH, *Government College.* Principal—V. Habibullah, M.A., L.T. 2 Lectrs. and 24 other Teachers.

ERNAKULAM, *St. Albert's College.* Principal—L. M. Pylee, M.A., B.L. 4 Profs. and 38 other Teachers.

ERNAKULAM, *St. Teresa's College.* Principal—Sister M. Digna, M.A. 5 Profs. and 22 other Teachers.

FEROKE, *Farook College.* Principal—Janab C. M. Syed Mohideen Shah, M.A., L.T. 3 Profs. and 35 other Teachers.

KARAIKUDI, *Alagappa College.* Principal—A. N. Tampi, B.A. Oxon., Dip.Edn. 10 Profs. and 62 other Teachers.

KOZHIKODE, *Guruvayurappan College.* Principal—A. Gopala Menon, M.A., B.Com. 2 Profs. and 25 other Teachers.

KUMBAKONAM, *Government College.* Principal—Major S. Parthasarathy, M.A. 6 Profs. and 48 other Teachers.

KURNOOL, *Osmania College.* Principal—Moulvi Muhammad, M.A., LL.B. 4 Profs. and 35 other Teachers.

MADANAPALLE, *The Besant Theosophical College.* Principal—B. R. Kumar, M.A. 3 Profs. and 21 other Teachers.

MADURAI, *American College.* Principal—S. J. Savarirayan, M.A. 7 Profs. and 49 other Teachers.

MADURAI, *Lady Doak College.* Principal—Miss E. M. Thillayambalam, M.A., Ph.D. Col., M.Sc. Alld. 6 Profs. and 28 other Teachers.

MADURAI, *Madura College.* Principal—T. T. Ayyangar, M.A. 7 Profs. and 54 other Teachers.

MADURAI, *Thiagarajar College.* Principal—I. N. Menon, M.A., B.Litt. 7 Profs. and 28 other Teachers.

MANGALORE, *Government College.* Principal—..... 5 Profs. and 46 other Teachers.

MANGALORE, *St. Agnes' College.* Principal—Mother M. Vera, M.A. 5 Profs. and 24 other Teachers.

MANGALORE, *St. Aloysius' College.* Principal—Rev. E. J. Jacques, M.A. Lond. 7 Profs. and 54 other Teachers.

MERCARA (COORG), *Government College.* Principal—K. P. A. Nair, M.A. 4 Profs. and 21 other Teachers.

PALAMCOTTAH, *St. John's College.* Principal—J. Vedasiromani, B.A., B.L. 3 Profs. and 31 other Teachers.

PALAMCOTTAH, *St. Xavier's College.* Principal—Rev. K. A. Soosai, M.A. 4 Profs. and 38 other Teachers.

PALAMCOTTAH, *Sarah Tucker College.* Principal—Dora David, M.A., L.T. 4 Profs. and 20 other Teachers.

PALGHAT, *Government Victoria College.* Principal— ..... 8 Profs. and 83 other Teachers.

PUDUKKOTTAI, *The Raja's College.* Principal—T. S. B. Ayyar, M.A., L.T. 4 Profs. and 28 other Teachers.

SALEM, *Salem College.* Principal—N. Srinivasan, M.A. 3 Profs. and 35 other Teachers.

SIVAGANGA, *Rajah Doraisingham Memorial College.* Principal—B. S. Dhandapani, M.A. 2 Profs. and 21 other Teachers.

TELLICHERRY, *Government Brennen College.* Principal—P. P. Kallukaran, B.Sc., Ph.D. Lond., B.A. 4 Profs. and 33 other Teachers.

THEVARA, *Sacred Heart College.* Principal— ..... 6 Profs. and 57 other Teachers.

TIRUCHIRAPALLI, *Holy Cross College.* Principal—Sister Philomena, M.A. 6 Profs. and 28 other Teachers.

TIRUCHIRAPALLI, *Jamal Mohamed College.* Principal—M. J. Mohamed Sayeed, M.A. 3 Profs. and 40 other Teachers.

TIRUCHIRAPALLI, *National College.* Principal—S. Thothadri, M.A. 6 Profs. and 43 other Teachers.

TIRUNELVELI, *Hindu College.* Principal—A. Gnanamuttu, M.A. 3 Profs. and 31 other Teachers.

TIRUPATI, *Sri Venkateswara College.* Principal—S. Palaniswamy, M.A., L.T. 8 Profs. and 46 other Teachers.

TRICHUR, *St. Mary's College.* Principal—Sr. Annunciata, B.Sc. 3 Profs. and 28 other Teachers.

TRICHUR, *St. Thomas' College.* Principal—Rev. J Kallingal, M.A. 5 Profs. and 41 other Teachers.

TRICHUR, *Sree Kerala Varma College.* Principal—A. V. Akhileswara Iyer, M.A. 5 Profs. and 33 other Teachers.

TUTICORIN, *St. Mary's College.* Principal—Sr. Teresita Mary, M.A., B.T. 3 Profs. and 18 other Teachers.

TUTICORIN, *V. O. Chidambaram College.* Principal—A. Srinivasaraghavan, M.A. 3 Profs. and 28 other Teachers.

UDIPI, *Mahatma Gandhi Memorial College.* Principal—H. Sunder Rao, M.A. 2 Profs. and 25 other Teachers.

VANIYAMBADI, *Islamiah College.* Principal—Saiyid Abdul Qadir, M.A., L.T. 3 Profs. and 25 other Teachers.

VIRUDHUNAGAR, *Senthikumara Nadar College.* Principal—P. Thangarajan, B.Sc. 4 Profs. and 28 other Teachers.

## CONSTITUENT SECOND GRADE COLLEGES

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MADRAS (THYAGARAYANAGAR), *Agurchand Manmull Jain College.* Principal—S. Narasimhan, M.A., L.T. 16 other Teachers.

MADRAS (WASHERMANPET), *Sir Theagaroya College.* Principal—M. K. Shanmukham, M.A. 34 other Teachers.

## AFFILIATED SECOND GRADE COLLEGES

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COIMBATORE, *Nirmala College for Women.* Principal—Sister M. Josephine, M.A., L.T. 16 other Teachers.

COIMBATORE, *Peelamedu P.S.G. Arts College.* Principal—B. R. Krishnamurthi Naidu, M.A. 26 other Teachers.

KANCHEEPURAM, *Pachaiyuppa's College.* Principal—M. Shanmukhasundara Mudaliar, M.A., L.T. 17 other Teachers.

KOZHIKODE, *Malabar Christian College.* Principal—V. G. M. Pavamani, M.A., Ph.D., L.T. 13 other Teachers.

KOZHIKODE, *Providence College for Women.* Principal—Mother M. Gabrielle, B.A. 6 other Teachers.

MADURAI, *Fatima College.* Principal—Miss N. Shakunthala, M.A. 15 other Teachers.

TIRUCHIRAPALLI, *Sitalakshmi Ramaswami College.* Principal — Mrs. J. Chellam, M.A. 12 other Teachers.

TIRUPATI, *Sri Venkateswara College for Women.* Principal—Mrs. K. Ranganayaki Amma, M.A., L.T. 7 other Teachers.

TIRUPATTUR, *Sacred Heart College.* Principal—Rev. J. Med. 14 other Teachers.

UDUMALPET, *G.V.G. Visalakshi College for Women.* Principal—Miss P. Adiseshayya, M.A. 10 other Teachers.

VELLORE, *Voorhees College.* Principal—S. Jesuratnam, B.A., B.Sc. 26 other Teachers.

# CONSTITUENT PROFESSIONAL COLLEGES

## Engineering

GUINDY, *College of Engineering.* Principal—Lt.-Col. S. Paul, B.E. Profs.—*Civil Eng.*—P. R. Ramaswami, B.Sc. Manc.; P. N. Damodaran, B.E. *Electr. Eng.*—K. Sukumaran, B.E., Ph.D. *Maths.*—Sri Mir Shabeer Hussain, B.A., B.T. *Mech. Eng.*—S. P. Vores. *Telecom. Eng.*—K. S. Hegde, B.E. 12 Instrs. and 50 other Teachers.

## Law

MADRAS, *Law College.* Dir. of Legal Studies—C. Kunhi Raman, B.A., B.L. Profs.: G. C. V. Subha Rao, B.Sc., M.L.; M. A. Azeem. Other Lectrs.—B. Lakkapparai, B.A., B.L.; S. V. Venugopalachari, B.A., B.L.; T. P. Gopalakrishnan, B.A., M.L. 9 other Teachers.

## Medicine

MADRAS, *Medical College.* Dean—C. K. Prasada Rao, M.D. Profs. and Teachers: *Anat.*—K. G. Menon, B.A., M.Sc., M.B., B.S.; V. Sitarama Rao, M.B., B.S., M.Sc. *Bact.*—S. Govindarajah, M.D. *Biochem.*—A. S. Ramachandran, M.B., B.S., M.Sc. *Chem.*—P. Venkata Rao, B.A., M.B., B.S., M.Sc. *Dent. Surg.*—M. G. Rao. *Ear, Nose and Throat*—M. N. Prabhu, M.S. *Hyg.*—T. S. Adisahrahmanyam. *Infec. Dis.*—Abdul Hadi, M.B., B.S. *Med. Jurisp.*—K. C. Jacob, B.A., M.D., B.S. *Med.*—K. S. Sanjivi, M.D.; S. T. Achar, M.D., F.R.C.S.; R. Subrahmanyan, B.Sc., M.D., B.S.; M. G. Prabhu, M.A. *Mental Dis.*—A. S. Johnson, B.A., M.B., B.S. *Obst., Gynæc. and Dis. of Children.*—R. K. K. Thampan, B.A., M.B., B.S., D.G.O.; Mrs. S. Abraham, M.B., B.S., D.G.O. *Ophthalmol.*—R. E. S. Muthiah, M.B., M.S., D.O. *Orthopædics*—Lt.-Col. V. R. Thayumanaswamy, M.S., F.R.C.S. *Pathol.*—D. Govinda Reddy, M.D. *Pharmaceutics*—A. N. Ratnagiriswararan, M.A. *Pharmacol.*—V. Iswariah, B.A., M.B., B.S., F.R.F.P.S. Glas. *Physiol.*—D. V. Subba Reddi, M.B., B.S., M.Sc. *Radiol.*—K. Manjunath Rai, F.R.C.S., D.M.R. Lond. *Surg.*—Lt.-Col. C. K. P. Menon, M.B., M.S., F.R.C.S.; R. Mahadevan, M.B., B.S., M.S., F.R.C.S. *Tuberculosis*—Mrs. S. Philip, M.B., B.S. 95 Assistants.

MADRAS, *Stanley Medical College* (Royapuram). Dean—K. N. Pisharoty, M.D., D.T.M. *Anæsthesia*—M. S. Venugopal, M.B., B.S. *Bacteriol.*—P. Damodaran, M.B., B.S. *Biochem.*—Ninan Verghese, B.Sc., M.B., B.S., M.Sc. *Chem.*—B. S. Srikantan, D.Sc. *Dermatol.*—S. Rajagopalan, L.M.S. *Ear, Nose and Throat*—C. Satyanarayana, M.S., D.L.O. *Medicine*—N. Vaidyanthan, M.D. *Obstetrics and Gynæcol.*—P. Madhavan, M.D. *Ophthalmol.*—V. Rangachari, M.S., D.O. *Pathol.*—G. D. Valieth, M.D., M.S., D.T.M. *Pharmacol.*—K. P. Sarathy, M.B., B.S., M.Sc. *Surg.*—C. Raghavachari, M.S., F.R.C.S.Ed.; D. S. Ayyar, M.S., F.R.C.S. 64 other Assts., Tutors, etc.

## Teaching

MADRAS, *Lady Willingdon Training College.* Principal—Miss M. Varughese, M.A. Lond.; Miss C. P. Kamakshi, M.A.; Mrs. M. Parvathi, M.A., L.T.; Mrs. N. Shanmugasundaram, M.A., L.T.; Miss R. Rajaratnam, M.A., L.T.; Miss L. Rangacharlu, B.A., L.T., M.Sc. Col.; Miss E. T. Rajeswari, M.A., L.T. 7 other Teachers.

MADRAS, *Meston Training College.* Principal—Rev. T. R. Foulger, M.A. Other Profs.: D. T. Chiranjivi, M.A., M.Ed.; M. D. Devadason, B.A., B.Sc.,

M.Ed.; R. J. Victor, M.A., M.Ed.; Mrs. L. O. R. Joseph, M.A., L.T.; J. Devasahayam, M.A., M.Ed.; A. M. Satya, M.A., L.T. 2 other Teachers.

MADRAS, *St. Christopher's Training College.* Principal—Miss G. R. Samuel, M.A. Redlands, M.S. S. Calif., L.T. Other Profs.: Mrs. H. S. Charles, M.A., L.T.; Miss E. M. Stokes, M.Sc. Manc.; Miss E. I. Ambat, M.A., L.T.; Miss Sughasini Philip, M.A., L.T.; Miss M. Pushpanathan, B.A., B.T.; Miss C. Roberts, M.A., L.T.; Miss D. M. Pearson, M.A. 2 other Teachers.

SAIDAPET, *Teachers' College.* Principal—T. P. Santhanakrishna Nayudu, B.A., L.T. Other Profs.: S. Lakshminarayanan, M.A., L.T.; S. Ramaswami, M.A., L.T.; N. Krishnaswami, M.A., L.T. 13 other Teachers.

### Veterinary

MADRAS, *Madras Veterinary College.* (B.V.Sc.) Principal—I. M. Azizuddin, B.A., B.V.Sc., Ph.D. *Anatomy*—D. Mariappa. *Animal Genetics*—M. Dharmarajan, M.A., M.Sc., Ph.D. Liv. *Animal Husbandry*—C. Krishna Rao, B.V.Sc., M.S. Calif. *Animal Nutrition*—V. Mahadevan, M.A., D.Sc. Paris. *Hygiene*—I. D. Manthiramurthy, B.V.Sc., M.Sc. *Parasitol.*—G. Ramanujachari, B.Sc., B.V.Sc. *Bacteriology*—I. M. Azizuddin, B.A., B.V.Sc., Ph.D. Edin. *Pathol.*—K. P. Chandrasekharan, B.V.Sc. *Physiol.*—K. N. Govindan Nair. *Pharmacol.*—C. K. Velayudham. *Surg.*—M. N. Menon, B.V.Sc. 25 Asst. Lectrs.

## AFFILIATED PROFESSIONAL COLLEGES

### Agriculture

COIMBATORE, *Agricultural College.* Principal—R. Balasubrahmanyam, B.A., B.Sc. (Ag.). Lectrs.: *Agric.*—P. A. Venkateswaran, B.A., B.Sc. (Ag.). *Animal Hygiene*—F. Joseph. *Bot.*—C. R. Mudaliar, M.A. *Chem.*—M. Sanyasi Rao, M.Sc. Wis. *Engin.*—P. K. Radha Kanth, B.E. 40 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. *Elect. Engin.*—Srinivasan, B.E., M.Sc. *Maths.*—K. Ramanujachari, M.A., L.T. 6 Instrs. and 26 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.*—A. Srinivasan, M.Sc. (Elec.). *Maths.*—P. V. Abdur Rahim, B.A., Ph.D. 5 Instrs. and 25 Assts.

KARAIKUDI, *Dr. Alagappa Chettiar College of Engineering and Technology.* Principal—D. S. Venkanna, B.Sc., B.E. 10 other Teachers.

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.*—K. Subbiah, B.E. *Maths.*—C. Srinivasan, M.A. 5 Lectrs. and 12 other Assts.

### Medicine

VELLORE, *Christian Medical College.* Principal—P. Kutumbiah, B.A., M.D. *Anæsthesia*—Gwenda Lewis, B.Sc., M.B., B.Ch. Wales, D.A. *Anat.*—L. Chacko, M.B., B.S., M.Sc., D.Phil. *Bacteriol.*—Ruth M. Meyers, Ph.D. Chic. *Ear, Nose and Throat*—Mrs. Bernadine, B.A. Mich., M.D. Chic., F.R.C.S.Can. *Medicine*—K. L. Vytilingam, M.D. *Medical Jurisprudence*—

M. Asirvatham, B.A., M.B., B.S., Ph.D. Chic. *Obstetrics and Gynæcol.*—Carol E. Jameson, B.A., M.D., F.A.C.S., F.R.C.S. *Ophthalmol.*—C. Rambo, F.A.C.S.; E. Roy, M.B., B.S., D.O. Lond. *Pathol.*—E. W. Gault, B.Sc., M.D., M.S., F.R.A.C.S. *Pharmacol.*—J. C. David, M.B., B.S., Ph.D. Edin. *Physiol.*—D. M. Jefferson, B.A., M.D., M.Sc. *Radiol.*—Ida B. S. Scudder, B.A., M.D., D.M.R.E. *Surgery*—J. S. Carman, A.B., M.D., F.R.C.S. 58 Assts.

### Nursing

VELLORE, *School of Nursing.* Dean—Florence Taylor, M.A., M.Sc. 30 other Assts.

### Teaching

KARAIKUDI, *Dr. Alagappa Chettiar Trg. College.* Principal—S. Srinivasan, M.A., L.T. Profs.: S. Thiruvenkatachari, M.A., M.Ed.; V. N. Subrahmanyan, B.A., L.T. 7 other Teachers.

KOZHIKODE, *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. 14 other Teachers.

KURNOOL, *Government Training College.* Principal—Sri K. V. Punnaiah, M.A., B.Ed. Prof.: S. Adiseshiah, M.A., L.T. 8 other Teachers.

MANGALORE, *Govt. Trg. College.* Principal—B. R. Baliga, M.A., L.T. Profs.: O. S. Anchan, M.A., L.T.; S. M. Krishnan, M.A., B.T. 10 other Teachers.

MANGALORE, *St. Ann's Trg. College.* Principal—Sister M. Carmelita, M.A., L.T. Other Profs.: Mother M. Gertrude, B.A., L.T.; Sr. M. Gisella, M.A., L.T.; B. Rao, B.A., L.T. 7 other Teachers.

PALAYAMKOTTAI, *St. Xavier's Trg. College.* Principal—Rev. A. Bonhoure. Profs.: Rev. W. Utarid, M.A., D.D.; S. Antoni Pitchai, M.A., L.T.; S. V. Subbayyar, M.A., L.T. 9 other Teachers.

PERIYANAICKENPALAYAM (Coimbatore Dt.), *Sri Ramakrishna Vidyalaya Teachers' Trg. College.* Principal—K. Arunachalam, M.A., Ed.D. 8 other Teachers.

## APPROVED INSTITUTIONS

### Fine Arts

MADRAS, *Kalakshetra,* Adyar. Recognized for Sangita Siromani course. Principal—B. S. Krishnamurti Sastrigal. 5 other Teachers.

### Oriental Learning

Two Institutions in Madras and 23 in the Mofussil are recognized as qualified to provide instruction for the Oriental Titles.

### Physical Education

MADRAS, *Y.M.C.A. College of Physical Education* (Saidapet). Recognized for Dipl. Course in Phys. Educn. (Dip.P.E.). Principal—C. C. Abraham, B.A., M.P.E. 5 other Teachers.

## GENERAL INFORMATION

This Univ., founded in 1857, was reorganized in 1923 as a Teaching and Residential Univ., and it continues to exercise control over the quality of the teaching given by its constituent and affiliated colleges. The Vice-

Chancellor is a whole-time salaried officer. The authorities of the Univ. include a Senate, Syndicate, Academic Council, Faculties and Boards of Studies.

Laboratories for research in Zool., Bot., Phys., Geol., Org. Chem., Biochem., Physical and Chem. Technol. are provided. There are also Depts. of study and research in the following subjects: Anthropol., Indian Hist. and Archæol., Indian Econ., Indian Philos., Psychol., Maths., Statistics, Geog., Politics and Pub. Admin., Constitl. and Internat. Law, Sanskrit, Tamil, Telugu, Kannada, Malayalam, Hindi, Arabic, Persian and Urdu, and Indian Music.

The usual LANGUAGE OF INSTRUCTION is English.

FACULTIES AND PRESIDENTS. *Art*—V. R. Ramachandra Dikshitar, M.A., Dip.Econ.; *Sci.*—T. S. Sadasivan, M.Sc., Ph.D.; *Law*—S. Govindarajulu Naidu, B.A., B.L., LL.B.; *Med.*—C. K. Prasada Rao, M.D.; *Engin.*—Lt.-Col. S. Paul, B.E.; *Technol.*—M. A. Govinda Rao, M.A., Ph.D.; *Teaching*—Rev. T. R. Foulger, M.A. *Agric.*—B. M. Lakshmipathi, M.E.; *Vet. Sci.*—I. M. Azizuddin, B.A., B.V.Sc., Ph.D.; *Commerce*—P. D. S. Mudaliar, B.A.; *Oriental Learning*—T. M. N. 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.

Expect for *bona fide* Teachers in institutions within the Univ. area, candidates are not admitted to any of the examns. without undergoing the prescribed course of study in a college.

DEGREES. B.A., B.A. (Hons.), M.A., M.Litt., Ph.D., D.Litt.; B.L., M.L., LL.D.; B.Sc., B.Sc. (Hons.), M.Sc. (by Examn.), M.Sc., Ph.D., D.Sc.; B.E.; B.Com.; B.Com. (Hons.); B.Sc. (Ag.); B.V.Sc.; M.B., B.S., M.D., M.S., B.S.Sc. (San.Sci.), B.Pharm.; B.D.S., B.Sc. (Nursing); Bachelor of Indian Medicine (B.I.M.); B.Sc. (Tech.); B.O.L., B.O.L. (Hons.), B.T., M.Ed.; B.Mus.

DIPLOMAS. Anthropology, Modern European Languages (French and German), Librarianship, Journalism, Gynæcology and Obstetrics, Venereology, Dermatology, Ophthalmology, Oto-Rhino-Laryngology, Radiology, Orthopædics, Tuberculosis, Physical Education, Soc. Service, Analyt. Chem., Hortic., 1 yr.; Economics, Politics and Public Administration, Indian Music, 2 yrs.

ORIENTAL TITLES. Siromani, Vidvan, Afzal-ul-Ulama, Munshi-i-Fazil, Abidi-i-Fazil, Tabib-i-Kamil, Afzal-ul-Attibba, Malpan and Soppar, Sangita Siromani (4 yrs.).

RECOGNITION of examns. of other Univs. is not granted in general terms. The Syndicate deals with each application on its merits.

FEES for Univ. examns. range from Rs. 5 to Rs. 250. Fees levied by Colls. vary from Rs. 42 to Rs. 80 per term, according to courses. Fees levied by the Univ. for Dipl. Courses vary from Rs. 15 to Rs. 100.

RESIDENCE, ETC. Minimum cost of board and lodging for students living in European style, Rs. 100 p.m.; Indian, Rs. 60 p.m. A Students' Club, started under the auspices of the Madras Govt. in 1919, provides inexpensive meals and facilities for games and social intercourse irrespective of caste or creed.

UNIVERSITY STUDENTS' UNION. Inaugurated in Nov. 1932 and located in a building in Madras for the benefit of students in Constituent Colleges —giving facilities for games—managed by a governing body consisting of the Principals of Constituent Colleges.

PUBLICATIONS. *Calendar*—Vol. I, Administration, Statutes and Ordinances, Constituent and Affld. Colls., Endowments; Vols. II and III, Ordinances and Regns., Syllabuses; *Annual Report*; *Minutes*; *Madras Univ. Journal*; *Annals of Oriental Research.*

## THE YEAR 1952–53

CHANGES IN REGULATIONS. Examns.: *Intermediate*: providing for 3 classes of successful candidates instead of 2; *B.A. (Hons.)*: providing 2 papers in Hist. of India and reducing the optional subjects to one under Br. iii—provision is also made for study of Modern Asian & American Hist. as optional subjects; Statistics made a compulsory subject under Br. iv-Econ.; Hist. of India made a compulsory subject under Br. xiii; *B. Com.* & *B.Com. (Hons.)*: restricting admission to these courses and examinations to candidates who have taken Elements of Comm. and Accountancy for the Inter.; *M.B., B.S.*: revision of course of study providing for internship, etc.; *B.Sc. Ag.*: revision of the course of study providing for field training; *M.Ed.*: course of study revised, giving more importance to practical training. Introduction of new Dipl. courses in Analyt. Chem., Hortic. and Soc. Service.

STUDENT NUMBERS.

ARTS AND SCIENCE

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 430 | 37,451 |
| Women | 25 | 6,086 |
| Total | 455 | 43,537 |

PROFESSIONAL

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 4968 |
| Women | .. | 890 |
| Total | .. | 5858 |

Oriental Colleges: 1252.

DEGREES. *Agric.*: B.Sc. (Ag.), 55. *Arts*: B.A., 2191; B.A. (Hons.), 294; M.A., 338; Ph.D., 13; M.Litt., 12. *Comm.*: B.Com., 446; B.Com. (Hons.), 18. *Educn.*: B.T., 445; L.T., 25; M.Ed., 11. *Engin.*: B.E., 229. *Law*: B.L., 287. *Med.*: M.B., B.S., 283; M.D., 10; M.S., 4; B.Sc. (Pharm.), 8; B.S.Sc., 1; L.M. & S., 1; B.Sc. (Nursing), 15. *Oriental Learning*: B.O.L., 19; B.O.L. (Hons.), 4. *Sci.*: B.Sc., 991; B.Sc. (Hons.), 118; M.Sc., 35; D.Sc., 3. *Technol.*: B.Sc. (Tech.), 26. *Vet. Sci.*: B.V.Sc., 55.

TITLES. Oriental Learning, 411.

DIPLOMAS. French and German, 14 ; Econ., 2 ; Indian Music, 19 ; Politics and Public Admin., 6 ; Librarianship, 13 ; Journalism, 3 ; Physical Educn., 13 ; Statistics, 18 ; Anthropol., 2 ; Gynæcol. and Obstet., 9 ; Ophthalmol., 4 ; Tuberculosis, 3.

[*Information compiled as at* 14/7/53.]

# UNIVERSITY OF MYSORE*

Founded 1916

*Postal Address*: Mysore, South India.
*Telegrams*: Unireg, Mysore.
*Telephone*: Mysore 677.

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYA CHAMARAJA WADIYAR BAHADUR OF MYSORE, G.C.B., G.C.S.I.

VICE-CHANCELLOR—B. L. MANJUNATH, B.A., M.Sc. Lond., D.Phil. Oxon.

REGISTRAR—F. J. NORONHA, M.A. Lond.

ASSISTANT REGISTRAR—.....

LIBRARIAN—K. S. MURTHI, B.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.CM.).
Narayan, K. N., M.Sc., Ph.D.
Asst. Prof. (CC).
Kausik, S. B., D.Sc.
Asst. Prof. (CC).
Annapurna Bai, Miss B. H., M.Sc.
Supernumerary Asst. Prof. (MWCB).

*Chemistry*

Narayan, G., M.Sc., Ph.D.
Prof. (CC).
Siddappa, S., M.Sc., Ph.D.
Prof. (CC).
Shadaksharaswamy, M., M.Sc., Ph.D. Prof. (FR.GR.CM.).
Subba Bhatta, K., M.Sc.
Actg. Prof. (FR.GR.CT.).
Venkata Rao, S. Asst. Prof. (CC).
Bhaskar, T. D., M.Sc., M.S.
Asst. Prof. (CC).
Lakshminaraniah, N., M.Sc.
Asst. Prof. (FR.GR.CT.).
Siddalingiah, K. S., M.Sc.
Asst. Prof. (CC).
Kasturirangacharya, T. L., M.Sc.
Asst. Prof.
Kumaraswamy, O. N., M.Sc.
Asst. Prof. (I.C. Chik.).
Bhima Rao, B. S., M.Sc.
Asst. Prof. (FR.GR.CM.).
Hanumanthachari, D. S., M.Sc.
Asst. Prof. (I.C. Mandya).
Iyengar, T. R., M.Sc. Asst. Prof.
Adaveesiah, C. N., M.Sc., M.S.
Asst. Prof. (CC).
Ratnamma, H., M.Sc.
Asst. Prof. (MWCB).

*Commerce*

Mandre, S. R., M.A., B.Com., F.S.A.A.
Prof. and Principal (Com. C.).
Subba Rao, B. R., M.A., Dip.Com.
Prof. (Com.C.).

* Member of the Association of Universities of the British Commonwealth.
† (CC) etc.: symbols for reference to the Colleges, v. pp. 1306-1307.

Rama Rao, S. L., B.Sc. Lond.
Asst. Prof. (Com.C.).
Srinivasan, V., B.A., B.Com.
Asst. Prof. (Com.C.).
Krishnamurti, G. N., M.A.
Asst. Prof. (Com.Sc.).

*Education*

Deve Gowda, A. C., M.Ed. Leeds, M.A., B.T., Dip.Edn.
Principal and Prof. (TC).
Rangachar, C., B.Sc., M.Ed. Leeds
Prof. (TC), Registrar.
..... Temp. Prof. (TC).
Doreswamy, K. V., M.A., B.T.
Asst. Prof. (TC).
Gupta, K. R. S., B.Sc., B.T.
Temp. Asst. Prof. (TC.).

*English*

Eagleton, W. G. M.A. Camb.
Prof. (MC).
Ranganna, S. V., M.A. Prof. (MC).
Anantharamiah, K., M.A.
Prof. (CC).
Narasimhiah, C. D., M.A. Camb.
Prof. (MC).
Krishnaswamy, Mrs. S., M.A. Lond. Principal (MWCB).
Murthy Rao, A. N., M.A.
Supernumerary Prof. (CC).

Assistant Professors

Thiagarajan, V. A., M.A.
(FR.GR.CT.).
Singh, M. E. B., M.A. Camb., B.A.
(MC).
Krishnaswamy, C., M.A. (CC).
Krishna Murthy, S., M.A.
(FR.GR.CM.).
Nambiar, O. K., M.A. (MC).
Ponnaiya, Miss A., M.A., M.Sc., B.T. (MWCB).
Shama Rao, B. N., M.A. (ICD).
Shantaveerappa, S. N., M.A.
(MWCM).
Suryanarayana Rao, N.S., M.A.
Temp. Asst. Prof.
(FR.GR.CM.).
Subba Rao, H., M.A.
Temp. Asst. Prof. (ICS).

*French and German*

Graefe, Mrs. I., M.A., L.T.
Asst. Prof. (MWCB).

*Geology and Geography*

Assistant Professors

Naidu, P. R. J., M.Sc. (CC).
Srinivasa Rao, M. R., M.Sc.
(FR.GR.CM.).
Naidu, M. G. C., M.Sc.
Temp. Asst. Prof. (CC).
Ahmed, S. N., M.A., LL.B. (Geog.)
(MC).
Ghori, G. K., M.Sc., Ph.D.
Supt.

*Hindi*

Nagappa, N., M.A.
Asst. Prof. (MC).

*History, Economics and Politics*

Krishna Rao, M. V., M.A., B.T. (Hist.) Prof. (MC).
D'Souza, V. L., B.A., B.Com. Lond. (Econ.) Prof. (MC).
Srikantiah, L., M.A., M.Sc. Lond. (Pol.) Prof. (MC).
Gopal, M. H., M.A., Ph.D. Lond. (Econ.) Temp. Prof. (MC).
Hutchappa, G. T., M.A. (Econ.)
Temp. Prof. (MC).

Assistant Professors

Jayalakshammanni, M., M.A. (Hist.) Principal (MWCM).
Parvathamma, H. M., M.A. (Econ.)
(MWCB).
Nanjundiah, K. S., M.A. (Econ.)
Temp. Asst. Prof. (FR. GR.CT.).
Gopalaswamy, S., M.A. (Econ.)
Supt. (ICB).
Ramakrishna Reddy, G., M.A. (Econ.) (MC).
Halappa, G. S., M.A. (Pol.)
(MC).
Narayana Rao, T. S., M.A. (Pol.)
(FR.GR.CT.).
Kasturi, N., M.A., B.L., L.T. (ICD).
Satyagirinathan, P. G., M.A.
(ICH).

Srikanta Sastry, S., M.A., D.Litt. (Hist.) (MC).
Vedavalli, M. C., M.A. (MWCB).
Krishnaswamiengar, B. S., M.A. (MC).

*Home Science*

Lingiah, B. S., M.Sc., M.S., Ph.D. Asst. Prof. (MWCB).

*Indology*

Nilakanta Sastry, K. A., M.A. Prof. (MC).
Seshadri, M., M.A., Ph.D. Lond. Asst. Prof. (MC).

*Journalism*

Murthy, N. K., M.A. Asst. Prof. (MC).

*Kannada*

Puttappa, K. V., M.A. Prof. (MC).

Assistant Professors

Sitaramaya, V., M.A. (CC).
Srikantiya, T. N., M.A. (ICB).
Narasimhachar, D. L., M.A. (MC).
Bai, D. C., M.A. (MWCB).
Venkataramappa, K., M.A. Temp. Asst. Prof. (ICB).

*Mathematics*

Professors

Madhava Rao, B. S., D.Sc., F.R.A.S. (CC).
Iyengar, C. N. S., D.Sc. (CC).
Nagappa, P. H., M.Sc. Lond. Principal (FR.GR.CT.).
Ekambaram, S. K., M.A. Camb. (MC).
Iyengar, K. V., D.Sc. (FR.GR.CM.).
Noronha, F. J., M.A. Lond. (EC).

Assistant Professors

Iyengar, M. N. N., M.A. (FR.GR.CM.).
Iyengar, M. T. R., M.Sc. (FR.GR.CT.).
Narasimha Murthy, N. K., M.Sc. (CC).
Ramesan, T., M.Sc. (CC).
Habibullah, M., M.Sc. (CC).
Krishna Sastry, K. V., M.A. (MC).
Iyengar, M. J. N., M.Sc. (CC).
Munigaviappa, M., M.Sc. (ICB).
Kamalamma, K. N., M.Sc. Temp. Asst. Prof. (MWCB).

*Philology*

Raghavachar, K. V., M.A. Asst. Prof. (MC).

*Philos., Psychol. and Logic*

..... Principal and Prof. (MC).
Purushottam, T. A., M.A., Ph.D. (Philos.) Prof. (MC).
Naidu, B. K., M.A., D.Litt. Prof. (MC).
Nikam, N. R. A., M.A. Camb. (Philos.) Supernumerary Prof. (MWCB).

Assistant Professors

Yamunacharya, M., M.A. (MC).
Swamidas, P., M.A. (ICB).
Krishnan, B., M.A. (MC).
Muddalinganna, V., M.A. (MC).
Murthy, C. V. S., M.A. (MWCB).
Raja Rao, H. K., M.A. (MC).

*Physics*

Professors

Ramachandra Rao, S., M.A., Ph.D., D.Sc. Lond. (CC).
Bondade, S. B., B.A., LL.B., B.Sc. Lond. (CC).
Sibaiya, L., D.Sc. Principal (FR.GR.CM.).
Ramaswamy, S., B.Sc., Ph.D. Lond., F.I.P. (FR.GR.CT.).

Assistant Professors

Subbaraya, T. S., D.Sc. (CC).
Venkataramiya, H. S., M.Sc. (CC).
Iyengar, K. S., M.Sc., LL.B. (FR.GR.CM.).
Ramanathan, S., M.A. (ICS).

Sree, R., M.Sc., Ph.D. (CC).
Ziauddin, S., M.Sc., M.S. (I.C. Chit.).
Kuchela, K. N., M.Sc. (ICD).
Srinivasaraghavan, K., M.Sc. (ICB).
Kathyayini, H. S., M.Sc. (MWCB).
Murthy, S. S., M.Sc. Temp. Asst. Prof. (I.C. Chit.).

*Sanskrit*

Lakshminarasimhiya, M., M.A. Prof. (MC).
Iyengar, V. T. T., M.A. Asst. Prof. (MC).
Hariyappa, H. L., M.A., Ph.D. Asst. Prof. (MC).
Sastry, N. S., M.A. Supt., Asst. Prof. (MC).

*Tamil and Telugu*

Ramappa, K. S., B.A., M.Ed., B.O.L. Asst. Prof. (MC).
Rudrapathe, S., M.A. Asst. Prof. (CC).

*Urdu, Persian, Arabic and Hindi*

Khan, K. A., M.A., Ph.D. Camb. (Persian) Prof. (MC).
Majeed, H. R. A., M.A. Asst. Prof. (MC).

## Engineering

*Engineering, Civil*

Narasimhiah, D. B., B.E., M.S. Temp. Prof. (EC).
Venkatachala Murthy, H., B.Sc., B.E. Asst. Prof. (EC).
Gowda, K. R. B. E. S., M.Sc. Asst. Prof. (EC).

*Engineering, Electrical*

Channabasaviah, K., B.E., M.S. (E.E.) Wis. Prof. and Principal of Engineering Coll.
Raju, W. J. P., B.A., B.E. Asst. Prof. (EC).

*Engineering, Mechanical*

Narayana Iyengar, B. R., B.Sc., B.E., S.M. (Mech.) Prof. (EC).
Gopalakrishna, B. P., B.Sc., B.E. Asst. Prof. (EC).
Gundu Rao, K. V., B.E. Asst. Prof. (EC).

## Medicine

Professors

Appajee, Y., M.Sc. Lond., B.A., M.B., B.S. Calc. Dean, Fac. of Med., Principal (Med.C.).
Authikeshavalu, M., M.S., M.B., F.R.C.S.Can. Pt.-time (Surg.) (Med.C.).
Naidu, V. R., M.B., M.S. (Pathol.) Pt.-time (Med.C.).
Hanumattekar, S., M.B., B.S. Bom., M.B., B.S. (Midwif.) Pt.-time.
Sundara Rao, M. B., M.B., B.S., D.O.M.S. Lond. (Ophthalmol.) Pt.-time (Med.C.).
D'Souza, C., M.B., M.S. (Path.), D.B. Manc. (Forensic Med.) Pt.-time (Med.C.).
..... (Pharmacol.).
Raghunatha Rao, G. S., B.Sc., M.B., B.S., D.Phil. (Pharmacol.) (Med.C.).
Govinda Setty, S. V., B.Sc., M.B., B.S. (Clin. Med.) (Med.C.).
Hiriyannaiya, S., B.A., M.B., B.S. (Physiol.) (Med.C.).
Lingaraju, B. N., M.B., B.S., M.P.H. (Hyg.) (Med.C.).
Lalitha Lingiah, S., M.B., B.S., B.Sc. (Gynæcol.) Pt.-time (Med.C.).
Urs, B., B.Sc., M.B., B.S., D.T.M. & H. Pt.-time (Med.).

Assistant Professors

Visveswar, S. K., M.B., B.S. (Med.) Pt.-time (Med.C.).

Venkatashamanna, B.Sc., M.B., B.S. (Hyg.) (Med.C.).
Vasudeva Rao, A., M.B., B.S. (Pathol.) (Med.C.).
..... (Anatomy).
Sheriff, G. A., M.B., B.S. (Anat.) (Med.C.).
Heblikar, K. G., M.B., B.S. (Physiol.) (Med.C.).
Iyengar, N. L. K., B.Sc., M.B., B.S. (Biochem.) (Med.C.).
Sheriff, A. S., M.B., B.S. (Pharmacol.) (Med.C.).
Rajanna, M. J., B.A., M.B., B.S. (Surg.) Pt.-time (Med.C.).
Krishnamurthi, B. N., M.B., B.S. (Surg.) Pt.-time (Med.C.).
..... (Ophthalmol.) (Med.C.).

## ADMINISTRATIVE AND OTHER STAFF

Officer in charge of Students' Information Bureau: B. R. Singh, M.A. Camb., M.E. Dir. of Phys. Educn., Central Coll., Bangalore: M. G. Vijayasarathy, B.Sc. Warden, Maharaja's Coll. Hostel, Mysore: O. K. Nambiar, M.A.; Warden, Central Coll. Hostel, Bangalore: H. S. Venkataramiah, M.A.

## UNIVERSITY COLLEGES

BANGALORE, *Central College* (CC).* (*Telephone*: 2051.) Principal—B. S. Madhava Rao, D.Sc., F.R.A.S.

BANGALORE, *College of Commerce* (Com.Sc.). Principal—S. R. Mandre, M.A., B.Com., F.S.A.A.

BANGALORE, *Engineering College* (EC). Principal—K. Channabasaviah, B.E., M.S. (E.E.) Wis.

BANGALORE, *Maharani's Women's College* (MWCB). (*Telephone*: 2796.) Principal—Mrs. S. Krishnaswami, M.A. Lond.

BANGALORE, *Medical School* (Med.S.). (*Telephone*: 2477.) Principal—S. Vasudova Rao, M.B., B.S.

MYSORE, *First Grade College* (FR.GR.CM.). Principal—L. Sibaiya, D.Sc.

MYSORE, *Maharani's College for Women* (MWCM). (*Telephone*: 782.) Principal—Miss M. Jayalakshamnanni, M.A.

MYSORE, *Maharaja's College* (MC). (*Telephone*: 754.) Principal—V. L. D'Souza, B.A., B.Com. Lond.

MYSORE, *Medical College* (Med.C.). (*Telephone*: 512.) Principal—Y. Appajee, M.Sc. Lond., B.A., M.B., B.S.

MYSORE, *Teachers' College* (TC). Principal—A. C. Deve Gowda, M.Ed. Leeds, M.A., B.T., Dip. Edn.

TUMKUR, *First Grade College* (FR.GR.CT.). Principal—P. H. Nagappa, M.Sc. Lond.

## INTERMEDIATE COLLEGES

BANGALORE, *Intermediate College* (ICB). (*Telephone*: 2215.) Principal—B. Thirumalachar, M.Sc., Ph.D. Lond.

CHIKMAGALUR, *Intermediate College* (I.C. Chik.). Supt.—O. N. Kumaraswami, M.Sc.

CHITALDRUG, *Intermediate College* (I.C. Chit.). Supt.—M. M. Narayanaswami Iyer, B.A.

* (CC), etc.: symbols for reference to the Colleges in Teaching Staff list, *supra*.

DAVANGERE, *Intermediate College* (ICD). Supt.—N. Kasturi, M.A., B.L., L.T.

HASSAN, *Intermediate College* (ICH). Supt.—P. G. Sathyagirinathan, M.A.

KOLAR, *Intermediate College* (ICK). Supt.—S. Krishnamurti, M.A.

MANDYA, *Intermediate College* (I.C. Mandya). Supt.—D. S. Henumanthachari, M.Sc.

SHIMOGA, *Intermediate College* (ICS). Supt.—S. Ramanathan, M.Sc.

## AFFILIATED COLLEGES

BANGALORE, *Agricultural College.* Principal—M. Mallaraja Urs, B.Sc., B.Sc. (Agri.).

BANGALORE, *Basappa Intermediate College.* Principal—P. Mallikarjunappa, M.Sc.

BANGALORE, *B.M. Srinivasiah College of Engineering.* Principal—C. Gopalakrishnan, B.A., B.E.

BANGALORE, *Law College.* Principal—M. Narayana Rao, M.A., B.L.

BANGALORE, *Mount Carmel College.* Principal—M. Antoinette, M.A.

BANGALORE, *National Intermediate College.* Principal—K. Sampathgiri Rao, M.A.

BANGALORE, *St. Joseph's College.* Principal—Rev. Father B. D'Souza, B.A., Ph.D.

BANGALORE, *Sri Krishnarajendra Silver Jubilee Technological Institute.* Principal—Srinagabhushana, B.Sc., F.T.I.

BANGALORE, *Vijaya College.* Principal—V. T. Srinivasan, M.A.

DAVANGERE, *B.D.T. College of Engineering.* Principal—A. Seshappa, B.E.

MYSORE, *D. Banumiah's College of Commerce.* Principal—B. V. Banumiah, B.A., B.Com.

MYSORE, *National Institute of Engineering.* Principal—S. Ramaswamy, B.A., B.E.

MYSORE, *St. Philomena's College.* Principal—Rev. Father F. Audiau, B. ès L.

MYSORE, *Sharada Vilas Intermediate College.* Principal—M. S. Ramaswamy, M.A.

## GENERAL INFORMATION

The University of Mysore was the first University to be founded in the Indian States. The two State Colleges which had long been affiliated to Madras Univ. formed the nucleus of the new University of Mysore. The establishment of the Univ. received the sanction of His Highness the Maharaja of Mysore in 1916. A regulation amending and consolidating the provisions of the Mysore University Regulation V of 1916, as amended from time to time, received the assent of His Highness the Maharaja in 1933, and came into force on July 1, 1933.

The University aims at the unitary type, but there are two Univ. centres, Mysore and Bangalore, one with two and the other with three constituent Colleges, including a Medical College and an Engineering College.

The University is empowered to affiliate Colleges under conditions prescribed in the Statutes and Ordinances.

The principal Univ. authorities are the Senate, the Council, the Academic Council and the Faculties.

The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES. Univ., 60,062 vols.; Oriental, 18,710 vols. and 11,039 MSS. Each Constituent and Intermediate Coll. has its own Library.

FACULTIES AND DEANS. *Arts*, Prof. S. V. Ranganna; *Engin. and Technol.*, Prof. C. Gopalakrishnan; *Law*, M. Narayana Rao; *Medicine*, Prof. Y. Appajee; *Science*, Prof. L. 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 minor 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. 3½ yrs. after admission. L.M.P. Diploma course open to candidates for the Mysore S.S.L.C. examns. who have been declared eligible for College courses of study, or those who have passed any other examn. accepted by the Univ. Council as equivalent thereto.

DEGREE COURSES. 2 yrs.—B.A. or B.Sc.; 3 yrs.—B.A. (Hons.) or B.Sc. (Hons.); 4 yrs.—B.E. (successful candidates are eligible to take the degree after a year's practical course in a recognized works or firm); 5½ yrs.—M.B., B.S.; graduate course for Master's Degree—1 yr. for Hons. grads.; for B.T. 1 yr. after the B.A. or B.Sc. B.Com.—4 yrs. after S.S.L.C. Examn., 2 yrs. after Inter. Examn. B.Sc. Agriculture—3 yrs. after Inter. Examn. B.Sc. Textiles —3 yrs. after Inter. Examn. Ph.D., 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.

FELLOWSHIPS. Awarded to persons who have given evidence of capacity to do research work; lectrs. of the Univ. are also eligible for selection. The total number of Fellowships does not ordinarily exceed nine at any time; value, Rs. 120 p.m., which may be increased in the case of lectrs.

RESIDENCE. Univ. Hostels at Mysore and Bangalore. The average hostel expenses for 9 mos. are about Rs. 450. Residences of students not living in hostels or with their guardians are inspected by members of Students' Residence Committee.

A REGISTRATION AND STUDENTS' INFORMATION BUREAU was opened in the Univ. office in 1952.

PUBLICATION AND EXTENSION WORK. An Extension Lectures Committee arranges an annual programme. During each year a number of lectures are delivered in different parts of the State. Under the auspices of the University Teachers' Assocn., Extension Lecture camps are arranged each year in the interior of the State and the lectures are published in Kannada in the inexpensive *Extension Lectures Handbook* series. The Univ. encourages the publication of original works, particularly in Kannada. The Kannada Publication Committee arranges for the publication of monographs in Kannada in such subjects as Science, History, Geog., Philos., Literature, Political Econ., Education and Fine Arts, so that teachers and others who know Kannada only may be able to continue their studies in the various branches of modern learning.

The *University Journal* is issued in two parts.

In addition to the *Abstract of Studies*, the Univ. has arrangements for issuing on behalf of each teaching dept. a *bulletin* embodying the results of research or investigation carried on by its members.

## THE YEAR 1951–52

PROPOSED NEW COLLEGE, ETC. There is a proposal to open a First Grade Coll. at Bangalore to provide for increase in demand for admissions to B.Sc. course. It is also proposed to improve equipment and accomm. in the existing Inter. and Degree Colls. in the Univ.

NEW COURSES. Courses in Home Science and Music have been introduced for both Inter. and Degree classes in Maharani's Women's Coll., Bangalore. Provision has been made for courses in ethics, psychol., biol., pol. sci. and soc. sci. for Inter. classes. For Degree classes hist. of civilization, æsthetics, business admin., soc. admin., public admin., journalism, educn. and law have been introduced. An Hons. course and a postgrad. Dipl. course in indology have been started.

STUDENT NUMBERS. Degree Colls., 4528; Inter. Colls., 10,051. Professional Colleges, 4559. Total (including 466 studying for the Dipl. in Med.), 19,138.

DEGREES AWARDED. B.Sc. (Agri.), 21; B.A., 257; B.A. Hons., 81; M.A., 37; B.Com., 43; B.Sc., 736; B.Sc. Hons., 74; M.Sc., 35; Teaching, 60; Engineering, 175; Law, 29; Medicine, 25; Textile, 9; D.Litt., 1; D.Sc., 175.

[*Information compiled as at 2/7/53.*]

# NAGPUR UNIVERSITY *

Founded 1923

*Postal Address*: Nagpur, Madhya Pradesh, South India.
*Telephone*: Nagpur 2382.

CHANCELLOR—H.E. THE GOVERNOR OF MADHYA PRADESH.
VICE-CHANCELLOR—Pandit KUNJILAL DUBEY, B.A., LL.B.
TREASURER—S. K. WANKHEDE, B.A.
REGISTRAR—U. MISRA, M.A., LL.B.
DEPUTY REGISTRAR—K. R. PANDYA, M.A.
ASSISTANT REGISTRAR—V. SHANKARAN, M.A.
LIBRARIAN—G. S. SHUKLA, M.A., LL.B.

## TEACHING STAFF

*Agricultural Chemistry*

Shrivastava, R. C., B.Sc. (Tech.) Manc., D.R.T.C. Prof. (A).†
Misra, R. N., M.Sc. Asst. Prof. (A).
Ballal, D. K., M.Sc. Lectr. (A).
Deshpande, T. L., B.Sc. (Agr.) Lectr. (A).
Bapat, M. V., M.Sc. Lectr. (A).

*Agriculture*

Asthana, R. P., M.Sc., Ph.D., D.I.C. Principal & Prof. (A).
Misra, S. K., M.Sc. (Agr.) Asst. Prof. (A).

Lecturers (A)

Dhannalal, M.Sc. (Agr.).
Dakshindas, D. G., B.Sc. (Agr.).
Sinnarkar, N. P., B.Sc. (Agr.).
Sahasrabudhe, K. R., M.Sc. (Agr.).
Jyotishi, R. P., B.Sc. (Agr.), Ph.D.
Patil, S. T., M.Sc. (Agr.).
Athawale, C. R., B.Ag.
Ghosh, R. K.
Ghose, S. C.
Iyer, K. S. S., B.E. Mys.
Gokhale, V. V., B.Sc. (Agr.), B.Sc. (Agr. Engrg.).
Rawat, R. R., B.Sc. (Agr.).
Jain, A. C., B.Sc. (Agr.).
Kakde, J. R., B.Sc. (Agr.).
Sharma, D. K., B.Sc. (Agr.), M.A.
Gupta, R. L., B.Ag., Ph.D.

*Arabic and Persian*

Lecturers (NM)

Rafiuddin, S., M.A., B.Th. Alig.
Ahmad, T., M.A.
Sharma, A. C., M.A.

*Biochemistry*

Nath, M. C., D.Sc., F.N.I., F.R.I.C. Prof.
Chakravarti, C. H., M.Sc. Lectr.
Hatwalne, V. G., M.Sc. Lectr.
Hakim, D. N., B.Sc. Lectr. (M).

*Botany and Plant Pathology*

Bhatt, R. S., M.Sc., Ph.D. Asst. Prof. (A).
Vaidya, S. B., B.Ag. Lectr. (A).

* Member of the Association of Universities of the British Commonwealth.
† (A), (GSc), etc.: symbols for reference to the Colleges, v. pp. 1319-1320.

Pimplikar, E. D., M.Sc. (Agr.) Lectr. (A).
Tatwawadi, G. R., M.Sc. Lectr. (A).
Shukla, V. B., M.Sc., Ph.D. Asst. Prof. (Sc).
Miroshi, M. V., M.Sc. Lectr. (Sc).
Tamhane, S. N., M.Sc. Lectr. (Sc).
Hajarnavis, Mrs. L., M.Sc. Lectr. (Sc).
Verma, J. K., M.Sc. Lectr. (Sc).
Chitaley, Mrs. S. D., M.Sc. Lectr. (Sc).
Trivedi, Mrs. T. K., M.Sc. Lectr. (Sc).
Agarkar, M. R., M.Sc. Lectr. (Sc).
Nirula, R. L., B.Sc., Ph.D. Lond., D.I.C. Principal and Prof. (VM).
Varodpande, K. V., M.Sc. Asst. Prof. (VM).
Dalal, S. B., M.Sc. Lectr. (VM).
Deshpande, P. K., M.Sc. Lectr. (GSc).
Dhamdhare, R. N., M.Sc. Lectr. (VM).
Munshi, K. M., M.Sc. Principal & Prof. (GSc).
Ghan, Mrs. S. P., M.Sc. Lectr. (GSc).
Theophilus, S. C., M.Sc. Lectr. (H).
Bhelwa, P. W., M.Sc. Lectr. (H).
Ramaswamy, K. R., M.Sc. Lectr. (H).

*Chemistry*

Krishnamurti, K., D.Sc. Lond. Principal & Prof. (Sc).
Kappanna, A. N., D.Sc. Dacca Prof. (Sc).
Paranjpe, D. R., M.Sc. Asst. Prof. (Sc).
Chakravarti, D. N., D.Sc. Alld. Asst. Prof. (Sc).
Sakhare, V. S., Ph.D. Madr. Asst. Prof. (Sc).
Karbelkar, N. V., M.Sc. Lectr. (Sc).
Asolkar, G. V., M.Sc. Lectr. (Sc).
Joshi, K. M., B.Sc. Lectr. (Sc).
Dewagan, A. S., M.Sc. Lectr. (Sc).
Mahalaha, H. L., M.Sc. Lectr. (Sc).
Talaty, E. R., M.Sc. Lectr. (Sc).
Soman, S. V., M.Sc. Lectr. (Sc).
Kane, Y. D., M.Sc. Lectr. (Sc).
Arya, I. D., M.Sc., LL.B. Lectr. (Sc).
Kale, V. D., B.Sc. Alld. Asst. Prof. (H).
Karmalkar, B. S., M.Sc. Lectr. (H).
Joshi, V. W., M.Sc. Lectr. (H).
Mehta, R. S., M.Sc. Lectr. (H).
Namjoshi, S. Y., M.Sc. Lectr. (H).
Khare, B. P., M.Sc. Lectr. (H).
Deshpande, G. M., M.Sc. Lectr. (C).
Varhadpande, B. N., M.Sc. Lectr. (C).
Bobde, M. V., M.Sc. Lectr. (C).
Gokhale, N. L., M.Sc. Lectr. (C).
Gokhale, L. K., M.Sc. Asst. Prof. (VM).
Deoras, B. R., M.Sc. Lectr. (VM).
Parnandiwar, M. D., M.Sc. Lectr. (VM).
Paradkar, M. K., M.Sc. Lectr. (VM).
Khandekar, P. S., M.Sc. Lectr. (VM).
Nigam, K. C., M.Sc. Lectr. (VM).
Kulkarni, D. B., M.Sc. Lectr. (VM).
Jog, S. S., M.Sc. Lectr. (VM).
Tare, V. E., M.Sc. Lectr. (GSc).
Deshpande, W. G., M.Sc. Lectr. (GSc).
Naik, M. V., M.Sc. Lectr. (GSc).
Kale, M. V., M.Sc. Lectr. (GSc).

*Commerce*

Tokhi, M. R., M.A. (Econ.), B.Com., LL.B. Luck. Principal & Prof. (CN).
Chorghade, V. K., M.A. Asst. Prof. (CN).

Jain, V. S., M.Com. Lectr. (CN).
Garge, B. N., M.Com. Lectr. (CN).
Charde, S. G., M.Com. Lectr. (CN).
Chanserkar, M. A., M.Com. Lectr. (CN).
Varshneya, J. S., M.Com. Lectr. (CN).
Jain, R. K., M.Com. Lectr. (CN).
Tandon, R. L., M.Com. Lectr. (CN).
Kamat, G. S., M.Com. Lectr. (CN).
Munshi, D. M., M.Com. Lectr. (CN).
Agarwal, S. N., M.A. Alld., M.A. (Econ.) Calc., F.R.E.S. Principal & Prof. (CW).
Shah, M. M., M.A., Ph.D. Bom. Asst. Prof. (CW).
Patwardhan, P. J., M.Com. Bom. Asst. Prof. (CW).
Chandurkar, V. U., M.A., B.Com. Asst. Prof. (CW).
Shrinarayan, M. A., B.Com. Asst. Prof. (CW).
Hatekar, D. J., M.A. Asst. Prof. (CW).
Bokare, M. G., M.Com., F.R.E.S. Lectr. (CW).
Vora, R. D., M.Com. Lectr. (CW).
Vanmali, B. D., M.Com. Lectr. (CW).
Agarwal, H., M.Com. Lectr. (CW).
Patil, R. K., M.Com. Lectr. (CW).
Deshmukh, N. C., M.Com. Asst. Prof. (Sh).
Knanolkar, A. L., M.Com. Lectr. (Sh).
Lanjevar, M. M., M.A., B.Com., LL.B. Lectr. (Sh).
Joshi, R. M., M.A., LL.B. Lectr. (Sh).
Kale, W. S., M.Com. Lectr. (Sh).
Khare, H. K., M.Com. Lectr. (Sh).
Dhotey, M. G., M.Com. Lectr. (Sh).
Tatte, R. G., M.Com. Lectr. (Sh).

*Economics*

Bal, S. D., M.A., LL.B. Lectr. (NM).
Gore, S. D., M.A. Lectr. (NM).
Varma, K. C., M.A. Lectr. (NM).
Chaube, K. P., M.A. Lectr. (NM).
Pimparkar, G. P., M.A. Lectr. (NM).
Gimi, J. F., B.A. Lectr. (H).
Chandurkar, M. N., M.A. Lectr. (H).
Singh, V. D., M.A. Lectr. (H).
Nanekar, K. R., M.A. Lectr. (H).
Munje, B. H., M.A. Asst. Prof. (C).
Dhabadgaon, D. B., M.A. Lectr. (C).
Deshpande, S. A., M.A. Lectr. (C).
Pandharpurkar, M. N., M.A., B.T. Lectr. (C).
Joshi, Miss S., M.A. Lectr. (W).
Mukerji, Miss N., M.A. Lectr. (W).
Shukla, M. L., M.A. Lectr. (VM).
Lothe, A. N., M.A. Lectr. (VM).
Jagirdar, P. J., M.A. Asst. Prof. (Sh).
Kharche, R. N., M.A. Lectr. (Sh).
Page, R. K., M.A., LL.B. Lectr. (SA).
Choudhari, M. R., M.A. Lectr. (R).
Joglekar, N. M., M.A. Asst. Prof. (A).
Chorghade, V. K., M.A., M.A. (Econ.), B.T. Asst. Prof. (CN).
Shah, M. M., M.A. (Econ.) Bom. Asst. Prof. (CW).
Hatekar, D. J., M.A. Lectr. (CW).
Vora, R. D., M.Com. Lectr. (CW).

Agarwal, H., M.Com. Lectr. (CW).
Joshi, R. M., M.A., LL.B. Lectr. (Sh).

*Education*

Lecturers

Tamhane, S. N., M.A., B.T., M.Ed.
Dakshindas, R. V., B.Sc., M.Ed., LL.B.
Karkare, M. G., M.A., B.T.
Agnihotri, P. N., M.A., L.T.
Puranik, G. A., B.A., B.T.
Muley, R. S., M.A., M.Ed.
Joshi, Mrs. Y., M.A., B.T.
Kashyap, Miss A., M.A., L.T.

*Engineering* (E)

Tilloo, K. N., B.Sc. (Mech. & Elec. Eng.) Principal.
Buldeo, R. G., B.Sc. (Eng.) Manc. Asst. Prof.
Dwarkanath, V. R., B.Sc., B.E. Asst. Prof.
De, K. C., Dip.C.E. Lectr.
Mitra, S. K., Dip.C.E. Lectr.
Tamaskar, D. G., B.Sc. (Eng.) Asst. Prof.
Bhattacharya, R. L., B.E. (Elec.).
Pandit, G. S., B.E. Lectr.
Ghosh, A., B.Sc. (Eng.) Ban. Asst. Prof.
Joshi, M. G., B.Sc. (Eng.) Asst. Prof.
Khare, D. C., B.Sc., B.Sc. (Tech.) Lectr.
Kulkarni, H. S., B.Sc., B.Sc. (Tech.) Lectr.
Shukla, T. N., M.Sc., B.T. Lectr.
Ratnam, P. V., M.Sc. Lectr.
Moharir, S. K., B.Sc. Lectr.
Joshi Rao, G. K., M.A., B.T. Asst. Prof.
Deshpande, G. K. Lectr.
Dehadrai, V. B. Lectr.
Dave, M. K., Dip.Arch. Asst. Prof.
Vaze, B. D. Lectr.
Nipane, G. P. Lectr.
Menezes, D. J., B.E. Asst. Prof.
Ramchandra, S. N., B.E. Asst. Foreman.
Pralhad, S., B.Sc., B.E. Asst. Prof.
Thombare, K. K., Dip.Arch. Lectr.
Tikekar, V. V. Lectr.

*English*

Mitra, M. N., M.A. Dacca Asst. Prof. (NM).
Guha, R. C., M.A. Dacca Asst. Prof. (NM).
Deshpande, Mrs. K., B.A. Lond. Asst. Prof. (NM).
Vaidya, K. M., M.A. Asst. Prof. (NM).
Parulkar, K. K., M.A. Lectr. (NM).
Ghoshal, N. N., M.A. Lectr. (NM).
Ahuja, Mrs. P., M.A. Lectr. (NM).
Thanekar, P. N., M.A., LL.B. Lectr. (Sc).
Purohit, K. J., M.A. Lectr. (Sc).
Wanmali, V. R., M.A. Lectr. (Sc).
Adhikari, Mrs. M., M.A. Lectr. (Sc).
Shivaraman, Miss V. P., B.A. Lectr. (Sc).
Varma, R., B.A. Lectr. (Sc).
Joseph, W. N., M.A. Lectr. (H).
Ward, Miss M. C. L., B.A., T.D. Lond. Lectr. (H).
George, K., M.A. Lectr. (H).
Rajiva, P. S., B.A. Lectr. (H).
Virdi, D. S., M.A. Asst. Prof. (C).
Roy, R. N., M.A. Lectr. (C).
Das Gupta, H., M.A. Lectr. (C).
Sen, Miss A., M.A. Lectr. (C).
Kate, L. M., B.A. Lectr. (C).
Dabir, W. M., M.A. Lectr. (C).
Vaidya, M. S., M.A. Lectr. (C).
Saldanha, Miss M. A. Asst. Prof. (W).
Madura, Miss S., B.A., B.T. Lectr. (W).
Paul, Miss H., M.A. Lectr. (W).

Sen, Miss S., M.A. Lectr. (N).
Chatterji, T. K., M.A. Lectr. (N).
Sahu, Miss S. R., M.A. Lectr. (N).
Shivaraman, Miss V. P., M.A. Lectr. (N).
Sengupta, A. K., M.A. Lectr. (CN).
Ram, B., M.A. Lectr. (CN).
Agarwal, S. N., M.A. Alld., M.A. (Econ.) Calc., F.R.E.S. Principal & Prof. (CW).
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MEDIUM OF INSTRUCTION. English is being replaced by Hindi and Marathi as medium of instruction in courses in Arts and Sci. by progressive stages from the examns. of 1951. In special cases, English is also permitted.

DEGREES. *Arts*—B.A., 2 yrs. after Inter. Examn.; B.A. (Hons.), 3 yrs.; M.A., 2 yrs.' study after B.A.; Ph.D., open to M.A.s of 3 yrs.' standing by thesis; D.Litt., open to Ph.D.s of 3 yrs.' standing and M.A.s of 8 yrs.' standing, for original contribution to learning. *Science*—B.Sc., 2 yrs. after Inter. Examn.; B.Sc. (Tech.), 2 yrs. after B.Sc. and B.Tech., 4 yrs. after I.Sc.; B.Sc. (Hons.), 3 yrs.; M.Sc., 2 yrs.' study after B.Sc.; M.Sc. (Tech.), open to B.Sc. (Tech.)s or B.Tech.s of 1 yr.'s standing by thesis; Ph.D. open to M.Sc.s of 2 yrs.' standing by thesis; D.Sc., 3 yrs. after M.Sc., for research conducive

to advancement of Sci. *Law*—LL.B., 2 yrs. after approved Bachelor's degree ; LL.M., 2 yrs.' course for approved grads. in Law ; LL.D., open to approved Masters of Law of 3 yrs.' standing by thesis. *Educn.*—B.T., 1 yr.'s postgrad. study ; M.Ed., open to B.T.s (and certain other persons recommended by the Academic Council) by examn. and thesis ; Ph.D., open to M.Ed.s and M.A.s and M.Sc.s (with B.T. specially permitted) by thesis. *Agric.*—B.Sc., 2 yrs. after Inter. Examn. ; M.Sc., open to Bachelors of Agric. and other approved graduates by thesis ; Ph.D., open to M.Sc.s of 2 yrs.' standing by thesis. *Medicine*—M.B., B.S., 5 yrs. after Inter. Examn. in Sci. Higher degrees are in every case open to approved grads. of other Univs.

DIPLOMAS. Teaching (2 yrs.) ; Engin. (3 yrs.) ; Art (3 yrs.) ; Co-operation (1 yr. postgrad.) ; Local Self-Govt. (1 yr.) ; Journalism (1 yr.).

EXAMNS. IN ORIENTAL LEARNING instituted in 1938.

THE STUDENTS' INFORMATION BUREAU, University Building. (*Telephone*: 2382.) Advises and helps students who go abroad for advanced studies.

PUBLICATIONS. *Calendar* ; *Minutes of Univ. Meetings* ; *Extension Lectures* ; *Annual Report* ; *Examn. Papers* ; *Prospectus*, etc. *Journal* of research work by teachers of the Univ. is published annually.

## THE YEAR 1951–52

BENEFACTIONS. A. P. Trivedi, Proprietor, Manganese Mines and Collieries, Balaghat, Rs. 5000 for award of a gold medal in Geol. ; R. B. Bansilal, Abirchand Spinning and Weaving Mills, Hinganghat, Rs. 5000 for award of gold medal in Pathol. and Bacteriol. at Final M.B., B.S.

NEW BUILDINGS. Construction of bldg. of Biochemistry Dept. and extension of Univ. Convocation Hall completed.

NEW COURSES. Dipl. and Cert. courses in Journalism commenced in Hislop Coll. and full M.Sc. and B.Sc. (Hons.) Courses in Biochem. started in the Univ. Dept. of Biochem. 4-yr. course for B.Tech. [previously B.Sc. (Tech.)], which is open to candidates who have passed I.Sc., introduced in Laxminarayan Inst. of Technol.

PRINCIPAL CHANGES IN REGULATIONS. (1) New Ordinance relating to N.C.C. which prescribes 75 per cent. attendance at parades of the National Cadet Corps, as well as attendance at its Annual Camps, as a condition for admission of its members to Univ. examns. (2) Dept. of Studies in Statistics added. (3) Journalism included in Fac. of Arts. (4) Persons holding a degree in Facs. other than Fac. of Arts are also eligible for admission to M.A. examn. in Pub. Admin., but only students prosecuting a regular course in the Univ. Dept. of Pub. Admin. and Local Self-Govt. are admitted. (5) Several minor adaptations in Univ. Ordinance regarding transition from English to Hindi and Marathi as languages of instruction. (6) B.T. Ordinance amended to provide that persons who hold a recognized Univ. degree and also a Dip. in Teaching of Nagpur or Saugar may take their B.T. Examn., on prosecuting a condensed course of 3 months in the Univ. Training Coll. (7) Two Ordinances made prescribing conditions for admission to examns. for Dipl. in Journalism and Cert. in Journalism. Both the courses last 1 academic yr. Grads. are eligible for admission to former course and matriculates to the latter.

VISIT BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Commonwealth Universities Delegation included the Vice-Chancellors or other representatives of Oxon., Lond., Glas., Belf., McM., Tor., Tas., Natal, Hong Kong, Auckland,

Gold Coast, Cape Town, W. Aust. and Pesh.; the retiring Vice-Chancellor of Oxon., the Very Rev. J. Lowe, delivered a lecture on "The Development of the Univ. of Oxford."

DEATH. Prof. S. V. Puntambekar, Pol. Sci.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 8282 |
| Women | .. | 1078 |
| Total | .. | 9360 |

Postgraduate students, 1273.
New admissions, 3324.

DEGREES. B.Sc. (Agr.), 40; B.A. (Pass), 428; B.A. (Hons.), 5; M.A., 109; M.A. for B.A. (Hons.), 4; B.Com., 100; M.Com., 10; B.T., 52; M.Ed., 7; LL.B., 164; M.B., B.S., 51; B.Sc. (Pass), 146; B.Sc. (Hons.), 3; M.Sc., 15; M.Sc. for B.Sc. (Hons.), 3; B.Sc. (Tech.), 4.

DIPLOMAS AND CERTIFICATES. Dipl. in Engin., 71; Dipl. in Archit., 3; Dipl. in Oriental Learning, Junior, 33, Senior, 19, Higher, 3; Dipl. in Local Self-Govt., 21; Dipl. in Teaching, 1.

# OSMANIA UNIVERSITY *

Founded 1918

*Postal Address*: Hyderabad, Deccan, 7, India.
*Telegrams and Cables*: University, Hyderabad, Deccan, 7.
*Telephone*: 5420; 5429.

PATRON—HIS EXALTED HIGHNESS THE NIZAM, G.C.S.I., G.B.E.
CHANCELLOR—THE HON. SHRI RAMA KRISHNA RAO, Chief Minister.
VICE-CHANCELLOR—S. BHAGAVANTAM, D.Sc.
REGISTRAR—I. TOPA, D.Phil. Freiburg.

## ADMINISTRATIVE AND OTHER STAFF

Deputy Registrar: S. Chand; Asst. Registrar (Administration): Z. Ali Khan, B.A. Alig.; Asst. Registrar (Academic): N. V. K. Murthy, B.A. Mys.; Controller of Examns.: Mohd. Ahmed Osmani, M.Sc. Alig.; P.A. to Vice-Chancellor: L. B. Deshpande, B.Sc. Madr.; Librarian: Masood Yazdani, B.A., Dip.L.Sc. Madr.; Audit Officer: Hafiz Mohd. Ahmed Siddiqi; Resident Medical Officer: Dr. P. L. Narayan Rao; Asst. Engineer: Basheeruddin Ahmed, B.E.; Warden-in-charge: Mohd. Abdur Razzak Qadri, M.A.; Asst. Warden: W. J. Lazarus, B.A.; Chief Sports and Welfare Officer: Ghous Mohd. Khan.

## UNIVERSITY COLLEGES

### UNIVERSITY COLLEGE OF AGRICULTURE

*Postal Address*: Hyderabad, Deccan, 7.
*Telephone*: 5420; Extn. 20.

*Principal*—HASHIM AMIR ALI, B.Ag. Bom., Ph.D. Corn.

*Agricultural Chemistry*
Rao, V., Ph.D. Wis. Lectr.

*Agricultural Economics*
Suryanarayana, K. S., B.Sc.Ag. Madr.

*Agricultural Engineering*
Satyanarayen Rao, T., B.Sc.Ag. Bom. Lectr.

*Agronomy*
Baquer Husain, M., M.A., B.Sc., Cert.Soc.Sci. Edin. Prof.

Lecturers
Suryanarayan Rao, R., B.Sc.Ag. Madr.
Bhaskaran, K., B.Sc.Ag. Madr.

*Animal Husbandry*
Karnani, B. T., Ph.D. Corn. Lectr.

*Farm*
Khan, S., B.Sc.Ag. Nag., B.Sc. Lectr. and Farm Supt.

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

*Plant Breeding and Entomology*

Razvi, H. A., B.Ag. Bom., Ph.D. Wales — Reader.

Lecturers

Ramnarao, B. V., M.Sc. Ban.

Ali, H., M.Sc. Ott., Ph.D. Kansas.

## University College of Arts and Commerce

*Principal*—M. S. Doraiswami, M.A., L.T. Madr., B.A. Oxon.

*Arabic*

Qutbuddin, Q., B A. — Prof.

Khan, A. M., Ph.D. Camb., M.A. — Reader.

Fazl, S. A., M.A. — Lectr.

*Commerce*

Khan, I. H., B.Com. Lond. — Reader & Dean.

Lecturers

Rao, B. P., B.Com. And., M.Com., LL.B. Luck.

Bhargava, R. S., M.Com. Luck.

Rao, B. R., M.A. Calc.

*Economics*

Qadir, M. A., M.A. Madr., B.Sc. (Econ.) Lond. — Prof.

Husain, S. A., M.A., LL.B. Luck., L.T. Alld. — Reader.

Hasan, S. F., M.A. — Lectr.

Khusrow, A. M. H., M.A. Madr., B.A., Ph.D. Leeds — Lectr.

*English*

Doraiswami, M. S., M.A., L.T. Madr., B.A. Oxon. — Prof.

Lecturers

Rajarathnam, A. P., M.A. Madr.

Acharya, K. N., M.A. Mys.

Omer, M. B., M.A.

Iyengar, Y. R., M.A. Madr.

Sirajuddin, S., M.A.

Chandrasekharan, K. R., M.A., M.Litt. Madr.

Siddiqi, M. N., B.A. Oxon., M.A.

Jambunathan, S., M.A. Rangoon.

Samuel, M. S., M.A. Madr.

Joshi, B. N., M.A. Bom.

Jacob, Miss S., M.A.

Purushottam Rao, K., M.A.

Sarma, P. L. N., M.A. Nag.

*Geography*

Lecturers

Ahmed, S., B.A., B.T. Alig., M.A. Edin.

Chaturvedi, B. N., M.A. Calc.

*Hindi*

Lecturers

Vansidhar, Pdt. V.

Pande, R. N., M.A. Ban.

Khandelwal, R., M.A. Luck.

*History*

Khan, Y. H., D.Litt. Paris — Prof.

Muneeruddin, K., M.A. — Reader.

Lecturers

Khalidi, A. N., D.Litt. Cairo, M.A.

Sajjanlal, Q. A., M.A. Bom.

*Kannada*

Bhimsen Rao, D. K., M.A. Mys. — Prof.

Lecturers

Patwari, R. R., M.A. Mys.

Ramaswami, B., M.A.

*Marathi*

Nandapurkar, N. G., M.A. Alig. and Nag., Ph.D. Nag. — Prof.

Lecturer

Deulgaonkar, V. P., M.A.

*Persian*

Nizamuddin, M., Ph.D. Camb. — Prof.

Readers

Kalimullah, S. Q., M.A., LL.B., Ph.D. Lond.

Farooqi, L. A., M.A., LL.B.

*Philosophy*

Valiuddin, M., M.A., Ph.D. Lond. — Prof.

Readers
Lal, S. M., M.A. Alig.
Salahuddin, M., M.A. Dacca.
Vahiduddin, S., Ph.D. Marburg.

*Political Science*
Siddiqi, A. M., M.A., LL.B. Reader.
Lecturers
Sudhakar Rao, G. V, A.M. Col., M.A.
Khan, Z., M.A. Luck.
Hashmi, S. H., M.A.

*Religion and Culture*
Readers
Ahmed, Z., M.A., D.Litt. Cairo.
Ahmed, F.
Lecturers
Shore, S. H., M.A.
Tahir, M. Y., M.A., Ph.D.

*Sanskrit*
Sharma, A., M.A. Alig., Ph.D. Munich Prof.
Rao, K., M.A. Calc. and Nag. Lectr.
Bhat, B. K., M.A. Bom. Lectr.

*Sociology*
Hasan, J., Ph.D. Heidel. Prof.
Lecturers
Siddiqi, M., M.A.
Dube, S. C., M.A., Ph.D.

*Telugu*
Laxmiranjanam, K., M.A. Madr. Prof.
Venkataraghaviah, M.O.L. Madr. Lectr.
Venkatavadhani, D., M.A. And. Lectr.

*Urdu*
Sarwari, A. Q., M.A., LL.B. Prof.
Mohammad, S., M.A. Reader.
Qateel, A. H., M.A., Ph.D. Lectr.

## University College of Education

*Postal Address*: Hyderabad, Deccan, 7.
*Telephone*: 5420, 5429; Extn. 33.

*Principal*—Mir Ahmed Ali Khan, M.A. Delhi, M.Ed. Leeds.

Readers
Zohra Begum, M.Ed. Leeds.
Ahmed, G., M.A., LL.B. Alig., Ed.B. Glas.
Zainulabedin, S, M.A., B.T. Alig.
Lecturers
Khan, M. Q., M.A., M.Ed.
Farooq, S. H., B.A.
Khan, I. A., M.A. Alig., M.Ed.
Prasad, B., M.A., M.Ed.
Chari, K. V., M.A.Ed. Lond., M.Ed.
Deshpande, M. L., M.Sc.

## University College of Engineering

*Postal Address*: Hyderabad, Deccan, 7.
*Telephone*: 5017.

*Principal*—Z. Ansari, M.A., B.Sc. Manc.

*Civil Engineering*
Athar, M., B.Sc. Durh. Prof.
Readers
Hafeezullah, M., B.Sc. Alig., B.Sc. Eng. Rangoon.
Rasheed, M. A., B.A., B.E.
Lecturers
Jawalkar, N. R., M.A.
Fakhruddin, M., B.E.
Ismail, S. M., B.E.
Husain, S. T., B.E.
Qadri, S., B.E.

*Electrical Engineering*

Gadgil, V. M., B.Sc. Madr., B.Sc. Lond. Prof.
Husain, A., M.Sc., B.S.M.E., B.S.E.E. Northwestern.

*Mechanical Engineering*

Ali, A., B.Sc. Madr., B.Sc. Lond. Prof.
Ramanujacharya, K., B.Sc. Eng. Ban. Reader.
Habeebullah, A. H., B.S.M.E. Utah, B.Sc. Lectr.
Beedkar, S., B.E.

*Overseer Class*

Lecturers

Khan, M. M., C.E. Madr.
Qadri, H. A., B.E.

## University College of Science

*Principal*—M. Sayeeduddin, B.Sc. Bom., M.A. Edin., F.L.S.

*Botany*

Sayeeduddin, M., B.Sc. Bom., M.A. Edin., F.L.S. Prof.
Salam, A., M.Sc., Ph.D. Belf. Reader.

Lecturers

Waheed, A., M.Sc.
Saxena, M. R., M.Sc., Ph.D. Lond.
Khan, F. N., M.Sc.
Farooqi, A. J., M.Sc.
Singh, T. R., M.Sc.
Jafar, M., M.Sc.
Deshpande, K. B., M.Sc.
Ramachar, P., M.Sc.
Rao, N., M.Sc.,
Shah, M., M.Sc., Ph.D. Lond.
Rahman, A., M.Sc.
Ananthan, B. N., M.Sc.
Venkobacharya, M.Sc.
Hanmanth Rao, D., M.S. Mass., M.Sc.
Habeebullah, K., M.Sc.
Shahabuddin, S. Y., M.Sc. Mys.
Acharya, S. S., M.Sc., M.S. Pitt.
Srinivasan, V. R., M.Sc. Madr., Ph.D. Leeds.
Joga, R., M.Sc.
Bhargava, P. M., M.Sc.

*Chemical Technology*

Zaheer, S. H., M.A. Oxon., Ph.D. Heidel. Prof.

Readers

Kulkarni, B. S., Ph.D. Bom.
Ali, A., M.Sc. Ill.

Lecturers

Zaidi, H. R., M.Sc., Ph.D.
Nizamuddin, H., M.Sc.
Qaiyum, A., M.Sc.
Vaidya, L. S., M.Sc.
Kantam, J. L., M.Sc.

*Chemistry*

Subba Rao, N. V., D.Sc. And., Ph.D. Lond. Prof.
Taher, N. A., M.Sc., Ph.D. Lond. Reader.
Rahman, M. K., M.Sc. Reader.
Sharfuddin, M., M.Sc. Dacca Lectr.

*Geology*

Ahmeduddin, S. M., B.A., B.Sc. Manc., F.G.S., F.L.S. Reader.
Sharma, S. R., M.Sc. And. Lectr.

*Mathematics*

Venkatachari, V. P., Ph.D. Lond., M.A. Prof.

Readers

Mohiuddin, M. K., M.A. Madr., B.T. Alig.
Patwari, V. N., M.A. Madr., B.A. Bom.

Lecturers

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Razvi, S. A. H., M.A.
Ahsan, M., M.Sc. Alig.
Dwarka, D. V., M.A.
Vishwanatham, B., M.A.

Subhadra Devi, V., M.A. And., B.Ed.
Tirumalacharya, M.A. Alig.

*Physics*

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Jaya Rao, A. M., M.Sc.
Deshpande, V., M.Sc.
Puranik, P. G., M.Sc.
Rao, A. V., M.Sc. And.
Rahman, A., B.Sc., B.A. Camb.
Ramautaram, K., M.Sc. And.
Krishna Rao, K. V., M.Sc. And.
Varadayah, V. V., B.A., M.Sc. And.
Sunder Rao, R. V. G., M.Sc. And.
Venkatachary, B. T., M.Sc.
Ranga Rao, B. V., M.Sc. Calc.
Mukherji, S. K., M.Sc.
Sheshagiri Rao, T., M.Sc. And., Ph.D.

*Zoology*

Singh, R. S. N., M.Sc. Alig., Ph.D. Lond. Prof.
Khan, O., Ph.D. Lond., M.Sc. Reader.

Lecturers

Mohsin, S. M., M.Sc., Ph.D.
Ali, S. M., M.Sc.
Jaiswal, G. P., M.Sc.
Hakeemuddin, M., M.Sc.
Shareef, A., M.Sc.
Salim, J. B., M.Sc.
Shamsuddin Qadri, M.Sc., Ph.D. Lond.
Humayun, R. A., M.Sc.

## University College of Veterinary Science and Animal Husbandry

*Postal Address*: Hyderabad, Deccan, 7.
*Telephone*: 5420; Extn. 25.

*Principal*—M. Habeeb Khan.

*Anatomy*

Lecturers

Kanan, C. V., B.V.Sc. Bom.
Srinivasan, P., M.Sc. Madr.

*Animal Husbandry*

Nair, K. S. Prof.

Lecturers

Jatker, V. R.
Venkateshwar Rao, C., B.V.Sc., M.Sc. Madr.

*Medicine*

Ramchander Rao, V.

*Pathology and Bacteriology*

Lecturers

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Pargaonker, V. N.

*Pharmacology*

Ahmed, T. Lectr.

*Physiology*

Lecturers

Husain, A.
Sadekar, V. D., B.Sc.

*Surgery*

Raghavan, S., B.V.Sc. Lectr.
Reddy, B., B.V.Sc. Lectr.

## CONSTITUENT COLLEGES

Chaderghat Intermediate Arts College. *Postal Address*: Hyderabad, Deccan. (*Telephone*: 4658.) Principal—S. M. Qadri Zore, M.A., Ph.D. Lond. *Arabic*—Readers: S. Nabi, Maulvi Fazil, M. A. Suboor, M.A. *Commerce*—Lectrs.: M. A. Siddiqi, M.A., S. Ahmed, M. Husain, M.A. *Economics*—Lectrs.:

B. Faridi, M.A., M. A. Gilani, M.A., M. Husain, M.A. *English*—Lectrs.: M. Husain, M.A., T. A. Lingam, M.A. Nag., L.T. Madr., K. R. Koteshwar Rao, M.A., E. V. Joshi, M.A., B.T. Bom., A. Haq, M.A. *Geography*—Lectrs.: A. Hamid, M.A., B.Sc., B.T. Alig., M. Inamullah, M.A., D. Pershad, M.A. *History*—Readers: M. M. Ali, M.A., S. S. Ahmed, M.A.; Lectr.: M. Husain, M.A., Dip.Ed. *Kannada*—Lectr.: Y. Achut Rao, M.A. *Marathi*—Lectr.: B. Kahalekar, M.A., LL.B. *Persian*—Lectr.: S. Sufi, M.A. *Philosophy*—Reader: K. A. Quddus, M.A. *Religion and Culture*—Lectrs.: M. M. Siddiqi, Maulvi Kamil, Munshi Fazil. *Sanskrit*—Lectr.: H. Upadhyay, M.A. *Sociology*—Lectr.: R. Pershad, M.A. *Telugu*—Lectr.: P. Durgaiah, M.A. *Urdu*—Lectr.: H. Shahid, M.A.

CITY INTERMEDIATE SCIENCE COLLEGE. *Postal Address*: Hyderabad, Deccan. (*Telephone*: 5182.) Principal—N. Ram Lal, M.Sc. Alig., Ph.D. Lond. *Botany*—Readers: M. Ghousuddin, M.Sc. Alig., G. Moinuddin, M.Sc., J. Nizam, M.Sc. *Chemistry*—Readers: A. B. Abdullah, B.A., P. N. Srikishen, M.Sc. Alig.; Lectrs.: R. Kamtiker, M.Sc., K. Rang Rao, M.Sc., Narayanachari, M.Sc., A. Husain, M.Sc., J. Narayan Rao, M.Sc., S. Yousufuddin, M.Sc., D. R. Mathur, M.Sc. *English*—Lectrs.: N. V. Doraiswami, M.A. Madr., M.A. Nag., R. Aundhewadikar, M.A., V. A. Sahane, LL.B. Bom., Tajuddin, M.A., B. V. Raghvender Rao, M.A. Madr. *Hindi*—Lectr.: P. Vidyasagar, M.A. *Mathematics*—Reader: M. Ahmed, M.A. Alig.; Lectrs.: Narsimhachari, M.A. *Physics*—Reader: M. Zakiuddin, M.Sc.; Lectrs.: S. Raj, M.Sc., S. Pershad, M.Sc., M. A. Hai, M.Sc., B. K. Goswami, M.Sc., M. Hasan, M.Sc., P. Pardiker, M.Sc., M. R. Shalgaonker, M.Sc., V. G. K. Murthy, M.Sc. *Telugu*—Lectr.: V. B. Bhasker Rao, B.A. And. *Urdu*—Lectr.: S. H. Shuttari, M.A. *Zoology*—Lectrs.: M. A. Rahman, M.Sc., S. Zaheeruddin, M.Sc., M. R. Abbasi, M.Sc.

EVENING COLLEGE, Hyderabad, Deccan. Principal—Syed Ali Akbar, M.A. Camb. *Commerce*—Lectr.: S. P. Vijaysarathi, M.Com. *Economics*—Lectrs.: Mrs. S. E. Singha, M.A. Panj., B.A., B.T. Calc., S. Mokkapati, M.A. Madr., M. K. Subramaniyam, B.A. Madr., V. Raman Rao, M.A. *English*—Lectrs.: S. Singh, M.A., LL.B., S. K. Bose, M.A., LL.B. Nag., A. Ahmed, M.A. Alig., Adapa Ramakrishna Rao, M.A. Madr. *Geography*—Lectr.: M. J. Subramaniyam, B.Sc. Madr. *History*—Lectrs.: Miss Aley Phillips, B.A., K. R. James, M.A. *Mathematics*—Lectr.: M. V. Pattabhai Raman, M.A.; M. A. Sundaram, M.A. *Politics*—Lectr.: A. Muttalib, M.A.

EVENING COLLEGE, Secunderabad. Principal—P. Ramaswamy, M.A. Calc. *Commerce*—Lectr.: Gridharilal Sanghi, M.Com. *Economics*—Lectr.: Nayeemuddin, M.A. *History*—Miss S. Regani, M.A.

INTERMEDIATE ARTS AND SCIENCE COLLEGE. *Postal Address*: Aurangabad, Deccan. Principal—G. N. Thatte, M.A. Alig. *Arabic*—Lectr.: L. H. Qadri, M.A. *Botany*—Lectr.: S. D. Khan, M.Sc. *Chemistry*—Lectrs.: S. Rai, M.Sc. Alld., Dip.Ed., G. Maheshkar, M.Sc. *Economics*—Lectr.: G. Thatte, M.A. Alig. *English*—Lectrs.: G. J. Ahmed, Warty, M.Sc., M.A. Bom. *Hindi*—Lectr.: B. Telang, M.A., B.T. Nag. *History*—Lectrs.: A. A. Khan, M.A., A. Bari, M.A. *Mathematics*—Lectr.: R. G. Waghmaray, M.A. *Persian*—Lectr.: M. Rafat, M.A. *Philosophy*—Lectr.: M. S. A. Khan, M.A. *Physics*—Lectrs.: M. Muneeruddin, M.Sc., M.Ed., G. Jeelani, M.Sc.

INTERMEDIATE ARTS AND SCIENCE COLLEGE. *Postal Address*: Gulbarga, Deccan. Principal—S. Krishna Rao, B.Sc. Madr. *Arabic*—Lectr.: H. Mohiuddin, M.A. *Biology*—Lectrs.: M. Yaqoob, M.Sc., V. D. Tilek, M.Sc. *Chemistry*—Lectrs.: B. Virupakshyappa, M.Sc., B. Surje, M.Sc. *Economics*—

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Colls., 2 Constituent Degree Colls. (including Women's Coll.), 7 Constituent Inter. Colls., 5 affiliated Degree Colls. (including Med. Coll.), 1 Law Coll. and 2 Evening Colls. (one Degree and one Inter.) for those in employment.

In all Degree and Inter. Colls. Engl. is main medium of instruction, but in a few Colls. parallel classes are conducted in Hindustani. In all professional courses Engl. is only medium of instruction. Compulsory Theol. and Ethics have been abolished and replaced by a regional or allied classical language. The place of the Fac. of Theol. has been taken by Fac. of Religion and Culture, which also includes a study of Comparative Religion.

The Univ. is completely autonomous though it is wholly financed by the Govt. The Univ. Council, consisting of 16 members, is the governing body. The Vice-Chancellor is the chief admin. officer. The other bodies of the Univ. are the Finance Cttee., Academic Council, Senate, Faculties and Bds. of Studies.

BUDGET (1952–53). O.S.Rs. 82,40,810. [O.S.Rs. 116·10·8 are equal to Indian Govt. Rs. 100.]

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PUBLICATIONS. *Calendar*; *Annual Administration Report*; Text-books.

## THE YEAR 1952–53

PRINCIPAL CHANGES IN REGULATIONS. Minor changes made in the Univ.'s Charter. Draft Act under consideration.

SOCIAL AND ADULT EDUCATION WORK. A team of students contd. their soc. service (including Adult Educn.) work.

EXTRA-MURAL WORK. Extension lectures contd. to be given.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Vice-Chancellors of certain Commonwealth Univs. visited the Univ. during the yr.

HONORARY DEGREES. *D.Litt.*—Sir S. Radhakrishnan, Vice-President, Republic of India ; *LL.D.*—Dr. B. R. Ambedkar ; M. K. Vellodi.

STUDENT NUMBERS (1951–52).

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 9,931 |
| Women | .. | 1,223 |
| Total | .. | 11,154 |

DEGREES AWARDED. Agric., 40 ; Arts, 472 ; Comm., 159 ; Educn., 107 ; Engin., 88 ; Law, 129 ; Med., 41 ; Sci., 296 ; Vet. Sci., 14.

DIPLOMAS AND CERTIFICATES. Inter. Certs. awarded : Arts, 1073 ; Sci., 1090 ; Comm., 63. Dipl. in French, 2 ; Dipl. in German, 1 ; Overseer Cert. Course, 94.

[*Information compiled as at* 31/7/53.]

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Nath, J., M.A. Lectr.

*Zoology*

Nath, V., M.Sc., Ph.D. Lond., M.A., M.Sc. Prof. and Hd. of Dept.
Parshad, G., Ph.D. Edin., M.Sc., Ph.D. Panj. Reader.
Arora, G. L., M.Sc. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar (Admin.) and Secretary Foreign Information Bureau: J. R. Agnihotri, B.A. Oxon., M.A. Panj. Dep. Registrar (Examns.): N. Lal. Asst. Registrar (Accounts): J. Narain. Asst. Registrar (Conduct): B. Raj (Offg.). Asst. Registrar (Examns.): K. Mal. Asst. Registrar (Co-ordination): T. Singh, M.A., LL.B. Asst. Dir. of Phys. Trg.: B. L. Gupta, B.A., D.P.E. Asst. Directress of Phys. Trg.: Miss P. Anand, B.A., D.P.E.

## AFFILIATED COLLEGES

AMBALA CANTT., *G.M.N. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., Prabhakar.) Principal—Jaswant Rai, M.A. 23 Teachers.

AMBALA CANTT., *S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., Prabhakar, Visharad, Shastri.) Principal—Mehar Chand Sethi, M.Sc. 29 Teachers.

AMBALA CITY, *D.A.V. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Bhagwan Dass, M.A. 22 Teachers.

AMBALA CITY, *S.A. Jain College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—G. C. Jain, M.Sc. 20 Teachers.

AMBALA CITY, *Dev Samaj College for Girls.* (Inter. Arts, B.A., Rattan, Bhushan and Prabhakar.) Principal—Prem Bal Khera, M.A. 49 Teachers.

AMRITSAR, *Govt. College for Women.* (Inter. Arts, Inter Sci., B.A.) Principal—Mrs. G. K. Maumohan Singh, B.A., Teacher's Cert. 17 Teachers.

AMRITSAR, *Hindu Sabha College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Mehar Chand, M.Sc. 31 Teachers.

AMRITSAR, *Khalsa College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., M.Sc. and M.Sc. Hons.) Principal—Inder Singh, B.Sc. Wales. 54 Teachers.

BANGA (JULLUNDUR), *Sikh National College.* (Inter. Arts, B.A.) Principal—Ram Pershad, M.A. 8 Teachers.

BATALA, *Baring Union Christian College.* (Inter. Arts, Inter. Sc., B.A.) Principal—R. M. Chet Singh, M.A. 16 Teachers.

BHATINDA, *Rajindra College.* (Inter. Arts, B.A.) Principal—Hardit Singh Dhillon, M.A., Ph.D. 12 Teachers.

BHIWANI, *Vaish College.* (Inter. Arts, Inter. Sc., B.A., Prabhakar.) Principal—Hardwari Lal, B.A. 18 Teachers.

BILASPUR, *Govt. Intermediate College.* (Inter. Arts, Inter. Sci.) Principal—K. L. Sethi, M.A.

CHANDIGARH, *Govt. College.* (Inter. Arts, B.A.) Principal—Harnam Singh, M.A., Ph.D. 10 Teachers.

DHARAMSALA, *Government College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Vidya Chanda, M.A. 24 Teachers.

FARIDKOT, *Brijindra College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Jaswant Singh, M.A., Ph.D. 24 Teachers.

FAZILKA, *M.R. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Sikander Lal, M.A. 9 Teachers.

FEROZEPUR CANTT., *D.C. Jain College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—C. L. Bruta, M.Sc. 17 Teachers.

FEROZEPUR CITY, *Dev Samaj College for Women.* (Inter. Arts, B.A., M.A.) Principal—P. V. Kanal, M.A., LL.B. 16 Teachers.

FEROZEPUR CITY, *R.S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. B. Sen Gupta, M.A. 17 Teachers.

GURGAON, *Dronacharya S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. L. Bahl, M.A. 17 Teachers.

GURUSAR SADHAR (LUDHIANA), *G.H.G. Khalsa College.* (Inter. Arts, Inter. Sc., B.A.) Principal—S. Iqbal Singh, B.A., B.T. 14 Teachers.

HARIANA (HOSHIARPUR), *Hindu National College.* (Inter. Arts, Inter. Sc., B.A., Bhushan, Prabhakar and Gyani.) Principal—L. C. Khurana, M.A., Ph.D. 10 Teachers.

HISSAR, *Dayanand College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Gian Chand, M.A. 18 Teachers.

HISSAR, *Govt. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Gomati Prashad, B.A. Oxon. 18 Teachers.

HOSHIARPUR, *D.A.V. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Ralla Ram, M.A. 27 Teachers.

HOSHIARPUR, *Panjab University College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., M.Sc. Hons.) Principal—K. K. Dewett, M.A., Ph.D. 44 Teachers.

HOSHIARPUR, *S.D. College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—S. K. Kapoor, M.A. 9 Teachers.

JULLUNDUR, *D.A.V. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Suraj Bhan, M.A. Lond. 65 Teachers.

JULLUNDUR, *Doaba College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—M. C. Khosla, M.A. 32 Teachers.

JULLUNDUR, *Kanya Mahavidyalaya.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Lajja Vati. 20 Teachers.

JULLUNDUR, *Lyalpur Khalsa College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., Gyani.) Principal—Gurbachan Singh Talib, M.A. 20 Teachers.

KALALMAJRA KHANNA (LUDHIANA), *A.S. College.* (Inter. Arts, B.A.) Principal—S. Ram, M.A. 11 Teachers.

KAPURTHALA, *Randhir College.* (Inter. Arts, Inter. Sc., B.A., Prajna, Visharada, Shastri.) Principal—C. L. Parti, M.Sc. 19 Teachers.

KARNAL, *Dyal Singh College.* (Inter. Arts, Inter. Sc., B.A.) Principal—S. R. Grover, M.A., B.Sc. 24 Teachers.

LUDHIANA, *Arya College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., Prabhakar, Gyani. Principal—S. R. Suri, M.Sc. 19 Teachers.

LUDHIANA, *Government College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Trilochan Singh, M.A., Ph.D. 74 Teachers.

LUDHIANA, *Govt. College for Women.* (Inter. Arts, Inter. Sc., B.A.) Principal—Miss S. Sen, B.A. Lond., B.T. 21 Teachers.

MAHILPUR (HOSHIARPUR), *S.G.G.S. Khalsa College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Harbhajan Singh. 14 Teachers.

MALERKOTLA (PEPSU), *Malerkotla College.* (Inter. Arts.) Principal—B. N. Chopra, M.A. 7 Teachers.

MANDI, *Vallabh Mahavidyalaya.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Raj Narain Mathur, M.A. 18 Teachers.

MOGA, *D.M. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., Prabhakar, Gyani.) Principal—R. K. Kumar, M.A. 27 Teachers.

MUKTSAR (FEROZEPUR), *Govt. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—B. S. Sadhi, M.A.

NABHA, *Ripudaman College.* (Inter. Arts, Inter. Sc., B.A.) Principal—B. D. Batta, M.Sc. 22 Teachers.

NAWANSHAHR (JULLUNDUR), *Raaha Krishan Arya College.* (Inter. Arts.) Principal—Nand Lal, M.A. 7 Teachers.

NEW DELHI, *Panjab University Camp College,* Reading Rd. (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Niranjan Singh, M.Sc. 49 Teachers.

PATIALA, *Mahendra College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—A. R. Khanna, M.A. 41 Teachers.

PATIALA, *Govt. College for Girls.* (Inter. Arts, B.A.) Principal—Mrs. G. Parampal Singh, M.A. 9 Teachers.

QADIAN, *Sikh National College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Harkishan Singh, M.A. 17 Teachers.

REWARI, *Ahir College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Wadhawa Ram, M.A. 14 Teachers.

ROHTAK, *All India Jat Heroes' Memorial College.* (Inter. Arts, Inter. Sc., B.A., Prabhakar.) Principal—S. N. Sanyal, M.A.

ROHTAK, *Government College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—R. R. Kumria, M.A. 37 Teachers.

ROHTAK, *Vaish College.* (Inter. Arts, Inter. Sc., B.A.) Principal—H. K. Bhattacharya, M.A. 14 Teachers.

RUPAR, *Government College.* (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Ugra Sen, M.A. 34 Teachers.

SANGRUR, *Ranbir College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Balwant Singh, M.A., B.T. 20 Teachers.

SANWAR, *Lawrence School.* (Inter. Arts, Inter. Sc. (Non-Medical).) Principal—E. P. Carter, O.B.E., M.A. Camb.

SATNAMPURA (PHAGWARA), *Ramgarhia College.* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Kirpal Singh, M.A. 16 Teachers.

SIDHWAN KHURD (LUDHIANA), *Khalsa College for Women.* (Inter. Arts.) Principal—Mrs. S. K. Avtar Singh, M.A., B.T. 4 Teachers.

SIMLA, *B.M. College.* (Inter. Arts, Inter. Sc., B.A.) Principal—Mahavir Singh, M.A. 24 Teachers.

SIMLA, *S.D. College.* (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—F. C. Arora, M.A. 21 Teachers.

SONEPAT, *Chhotu Ram Arya College.* (Inter. Arts, Inter. Sc., B.A.) Principal—H. C. Bali, M.A. 11 Teachers.

TANDA URMAR, *Govt. College.* (Inter. Arts, B.A.) Principal—Mohan Lal Sethi, D.Sc. 14 Teachers.

## PROFESSIONAL COLLEGES

AMRITSAR, *Khalsa College.* (Agriculture—F.E.A., B.Sc.) Principal—Inder Singh, B.Sc. Wales.

AMRITSAR, *Medical College.* (Medical—M.B., B.S., D.T.D., D.O.M.S.) Principal—H. B. N. Swift, M.B., B.S., D.P.H. Lond. 58 Teachers.

BHIWANI, *Technological Institute of Textiles.* (B.Sc. Text.) Principal—D. L. Sen, M.Sc.Tech. Manc., M.Sc. Bom., F.R.I.C. 12 Teachers.

FARIDKOT, *Bikram College of Commerce.* (Commerce—B.Com.) Principal—Raj Narain, B.Com., LL.B. 4 Teachers.

FARIDKOT, *Brijindra College.* (Education—B.T., Agriculture—F.E.A.) Principal—Jaswant Singh, M.A., Ph.D.

FEROZEPUR, *Dev Samaj College for Women.* (B.T.) Principal—P. V. Kanal, M.A., LL.B.

HISSAR, *Panjab Veterinary College.* (B.V.Sc.) Principal—Jagnandan Singh. 14 Teachers.

JULLUNDUR, *Govt. Training College.* (Education—B.T.) Principal—A. C. Joshi, M.Sc., D.Sc., F.N.I. 14 Teachers.

JULLUNDUR, *Law College.* (Law—LL.B.) Principal—C. L. Anand, LL.B. Lond., M.A. 13 Teachers.

JULLUNDUR, *University College of Commerce.* (Commerce—B.Com., M.Com.) Principal—I. M. Kapur, M.Sc. (Econ.) Lond., B.A. Panj.

LUDHIANA, *Govt. Agriculture College.* (Agriculture—F.E.A., B.Sc., M.Sc.) Principal—H. R. Saini, B.Sc. Edin., M.Sc.

MOGA, *D.M. College.* (Education—B.T.) Principal—R. K. Kumar, M.A.

REWARI, *Ahir College.* (Education—B.T.) Principal—Wadhawa Ram, M.A.

ROHTAK, *All India Jat Heroes' Memorial College.* (Education—B.T.) Principal—S. N. Sanyal, M.A.

ROHTAK, *Vaish College.* (Commerce—B.Com., Education—B.T.) Principal—H. K. Bhattacharya, M.A.

ROORKEE, *Panjab Engineering College.* (B.Sc. (Eng.), Civil, Mech. and Electr.) Principal—S. R. Mehra.

RUPAR, *Govt. College for Physical Education.* (Dipl. in Phys. Ed.) Principal—S. R. Mahindroo.

SIDHWAN KHURD, *Khalsa College for Women.* (Education—B.T.) Mrs. S. K. Avtar Singh, M.A., B.T.

SIMLA, *Govt. Training College for Women.* (Education—B.T.) Principal—S. Y. Harvey, M.A. Edin., L.T. 10 Teachers.

## GENERAL INFORMATION

Following the partition of the Panjab, the University was established in Oct. 1947, under Ordinance No. VII, promulgated by H.E. the Governor of the Panjab. This Ordinance was subsequently replaced by the Panjab University Act No. VII of 1947, with effect from Dec. 1, 1947. At present its jurisdiction extends over the Panjab, Patiala and East Panjab States Union and Himachal Pradesh.

The Univ. is a teaching, affiliating and examining body and is open to all irrespective of colour, creed, class or sex.

CONSTITUTION. The Univ. consists of the Chancellor, the Vice-Chancellor, the Senate, the Syndicate. The Governor of the Panjab is the *ex-officio* Chancellor of the Univ. The Vice-Chancellor is one of the Fellows of the University, nominated by the Chancellor. The Vice-Chancellor holds his office for a period of two yrs. but is eligible for reappointment. The Senate have the entire management of, and superintendence over, the affairs and property of the Univ. in accordance with the Statutes, Rules and Regulations. The Executive Government of the Univ. is vested in the Syndicate, which consists of: (*a*) the Vice-Chancellor as Chairman; (*b*) the Director of Public Instruction, Panjab; (*c*) fifteen *ex-officio* or ordinary Fellows elected by the Facs. The Registrar is the Chief Executive Officer of the Senate and the Syndicate.

The LANGUAGE OF INSTRUCTION is English, except in Classical and Modern Indian Language classes, where the medium of instruction is the lang. concerned, or an allied lang. As part of the policy of replacing English by Hindi and Panjabi, M.A. examns. in Hindi and Panjabi are conducted in the lang. concerned. The M.A. examn. in Sanskrit is also conducted in Sanskrit, Hindi and Panjabi. A candidate for the Matric. examn. can choose English and any one of the Indian Langs. (Urdu, Hindi or Panjabi) for papers in subjects other than English.

FACULTIES AND DEANS. *Agriculture*, B. S. Sawhney; *Arts*, J. Singh; *Commerce*, Hon. Justice M. C. Mahajan; *Education*, C. L. Kapur; *Engineering*, S. R. Mehra; *Law*, Hon. Justice A. N. Bhaudari; *Medicine*, Dr. H. B. N. Swift; *Oriental Learning*, Prof. D. C. Sharma; *Science*, B. B. Singh; *Veterinary Science*, Major A. C. Aggarwala; Dean of *University Instruction*, D. A. Kumar.

ADMISSION. The minimum qualifn. necessary for admission to the Univ. is the passing of the matricn. examn. or an examn. recognized as equivalent. The following have been so recognized: (1) Matricn. and New Matricn. examn. of Hong Kong Univ.; (2) Sr. Secondary School Certif. Examn. of Ministry of Educn., N. Ireland; (3) Matricn. Examn. of New Zealand Univ.; (4) European School Final Examn. (qualifying to enter a coll. in Burma) of Rangoon Univ.; (5) Matricn. Examn. of Univ. of Sydney; (6) High Sch. Final Examn. (Burma); (7) Matricn. Examn. of N.U.I.; (8) G. C. E. Examn. (Ordinary level Passes) of Univ. of Lond.

LOCATION OF TEACHING DEPARTMENTS. *Phys., Chem., Zool., Econ., Engl., Hist., Computation, Maths.*, Panj. Univ. College, Hoshiarpur. *Technology*, Delhi Polytechnic. *Bot., Panjabi, Pharm. Chem. and Pharmacog.*, Khalsa Coll., Amritsar. *Pharmaceutics, Physiol.*, Med. Coll., Amritsar. *Law, Comm., Sanskrit and Hindi*, Jullundur City. *Astron. and Geog.*, Govt. Coll., Ludhiana. *Journalism*, Panj. Univ. Camp Coll., Reading Rd., New Delhi.

DEGREES. B.A., B.Sc., 4 yrs. after Matric.; B.Sc.Ag., 4 yrs. after Matric.; B.Com., 3 yrs. after Inter.; B.Sc. (Engg.), 3 yrs. after Inter.; LL.B., 2 yrs. after grad.; LL.B. (Final), 3 yrs. after grad.; B.T., 1 yr. after grad.; B.V.Sc., 4 yrs. after Inter. Sci.; B.Pharm., 3 yrs. after Inter. (Med. Gp.); B.Sc. Hons., 3 yrs. after Inter. Sci.; M.B., B.S., 5 yrs. after pre-med. examn.; B.Sc. Text., 3 yrs. after Inter. Sci.; B.D.S., 4 yrs. after Inter. (Med. Gp.).

HIGHER DEGREES. M.A. in English, Maths., Hist., Pol. Sci., Econ., Sanskrit, Hindi, Panjabi, Philos., Psychol., Geog., 2 yrs. after graduation. M.Sc. Hons. in Phys., Chem., Bot., Zool., Chem. Technol., 1 yr. after B.Sc. Hons. M.Sc. Agri., 2 yrs. after B.Sc.Agri. M.Com., 2 yrs. after B.Com.; LL.M., 2 yrs. after LL.B. M.S., M.D., by thesis and examn., 3 yrs. after M.B., B.S. M.Pharm., 1 yr. after B.Pharm. M.V.Sc., 3 yrs. after B.V.Sc. Ph.D. (Arts and Sci.), by thesis, 3 yrs. after Master's degree. D.Litt., D.Sc., by thesis, 6 yrs. after Master's degree. D.O.L. (Oriental), 6 yrs. after Master's degree. LL.D., by res. after LL.M. degree. Ph.D. (Medical), by thesis and examn., 3 yrs. after M.B., B.S.

DIPLOMAS. Journalism, 1 yr. after graduation; Tuberculosis Dis. (D.T.D.), 1 yr. after med. qualification (M.B., B.S. or L.M.S.); Ophthalmic Med. and Surg. (D.O.M.S.), 1 yr. after med. qualification (M.B., B.S. or L.M.S.); Laryngol. and Otol. (in abeyance at present); Dipl. in Phys. Educn., 1 yr. after graduation.

LIBRARIES. The Panjab Univ. Library (over 36,000 vols.) is located at the United States Club, Simla. Approx. Rs. 100,000 are spent annually in purchase of books and journals.

SCHOLARSHIPS. 80 scholps. are awarded on the results of the matric. examn., and 30 on those of the Inter. examn.

ONE TEACHING HOSPITAL is attached to the Med. Coll., Amritsar.

STUDENT RESIDENCES. Every affiliated coll. has a hostel attached. No student is admitted until his residence is arranged. Every student of a coll.

not living with parents or guardians must reside during teaching period at an approved hostel or lodge.

STUDENT HEALTH. Each affiliated coll. has a Med. Officer.

SPORT. The Asst. Dir. of Phys. Training is in charge of the phys. welfare of male students ; the Asst. Directress is in charge of that of female students. In addition, each affiliated coll. has a Phys. Dir. who conducts sports and other phys. activities among the students of the coll.

PUBLICATION BUREAU. Started in 1948 to prepare and encourage the publication of standard works in Hindi and Panjabi.

PUBLICATIONS. *Calendar.* The Univ. publishes *Arts and Science Journals* from time to time.

A UNIVERSITY PRESS has recently been set up.

## THE YEAR 1951–52

The existence of Panjab University Camp Coll., New Delhi (founded to help refugee students), extended to 1955.

The Univ. is still without a central home. Efforts are being made to establish it in the capital of the state. For the present, postgrad. teaching has been centralized at Hoshiarpur in the Panjab Univ. Coll., previously known as Govt. Coll.

NATIONAL CADET CORPS. A no. of N.C.C. battalions have been allotted to 32 colls. for men. This Corps has taken the place of the Univ. O.T.C. Members of the N.C.C. may offer Military Training as additional optional paper (in place of additional optional vernacular) for the inter. and degree examns. The 3rd Panj. Girls' Troop of the N.C.C. has been raised in the Govt. Coll. for Women, Ludhiana.

EXTENSION LECTURES. The Univ. has invited specialists to address the students in various colls. at central places. The lectures are of a general academic nature.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 2858 | 24,860 |
| Women | 35 | 2,824 |
| Total | 2893 | 27,684 |

DEGREES. B.A., 5381 ; B.Sc., 304 ; B.Sc. Hons., 70 ; B.Sc. Engg., 39 ; B.Com., 50 ; B.Sc. Agric., 63 ; LL.B. Pass, 141 ; LL.B. Final, 39 ; B.V.Sc., 9 ; B.Pharm., 10 ; M.B., B.S., 91 ; M.A., 735 ; M.Sc. Hons., 46 ; Ph.D. Arts, 2 ; B.T., 415 ; M.Sc.Agri., 29.

[*Information compiled as at 7/7/53.*]

# PATNA UNIVERSITY*

Founded 1917

*Postal Address*: Patna 5, Bihar State, India.
*Telephone* (Registrar): Patna 2322; (Office): Patna 2105.

CHANCELLOR—H.E. R. R. DIVAKAR, Governor of Bihar.

VICE-CHANCELLOR—B. NARAYANA, M.Sc., M.B. Calc., Ph.D. Edin., F.N.I.

TREASURER—RAM CHARITRA SINGH, M.Sc.

REGISTRAR—JAGATNANDAN SAHAY, M.A., T.D. Lond.

DEPUTY REGISTRAR—.....

BUDGET AND ACCOUNTS OFFICER—ANANAI NARAIN PRASAD, B.A.

ASSISTANT REGISTRAR—SYED YAWAR HUSSAIN, B.A.

## HEADS OF UNIVERSITY TEACHING DEPTS.

*Ancient Indian Hist. and Culture*
Altekar, A. S., M.A., LL.B., D.Litt. Ban.

*Appl. Econ. and Comm.*
Mishra, B. R., M.A., LL.B., Ph.D., D.Sc. Lond.

*Appl. Psychology*
Sinha, D., M.Sc. Camb., M.A.

*Arabic*
Quddus, H. M., M.A.

*Botany*
Roy, R. P., M.Sc., Ph.D. Camb.

*Chemistry*
Sinha, P. C., M.Sc., Ph.D.

*Economics*
Lal, H., M.A., Ph.D. Lond.

*Education*
.....

*English*
Sinha, R. K., M.A., D.Phil. Oxon.

*Experimental Psychol.*
Abdin, M. Z., B.A. Lond.

*Geography*
Dayal, P., M.A., Ph.D. Lond.

*Geology*
Chatterji, S. C., D.Sc. Calc., F.N.I.

*Hindi*
Prasad, B., Ph.D. Lond., M.A., B.L.

*History*
Datta, K. K., M.A., Ph.D. Calc.

*Labour and Soc. Welfare*
Singh, A., M.S.Sc. N.Y., M.A. Ill. and Pat.

*Maithili*
Jha, S., M.A., Ph.D. Lond.

*Mathematics*
Nath, N. S. N., M.Sc., Ph.D. Camb.

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

*Persian*
Hussain, I., M.A., B.L., Ph.D.

*Philosophy*
.....

*Physics*
Dubey, G. P., M.Sc. Alld. and Camb.

*Political Science*
Menon, V. K. N., M.A. Oxon. (on leave).
Muhar, P. S., Ph.D. Harv., M.A. (Actg. Hd.).

*Sanskrit*
Chowdhury, T. P., M.A., B.L., Ph.D.

*Sociology*
Narbadeshwar, P., M.A. Col. and Pat.

*Statistics*
Lal, D. N., M.A., Ph.D. Edin.

*Urdu*
Orainir, S. A. A., M.A.

*Zoology*
Keshava, S., Ph.D. Edin., M.Sc.

## CONSTITUENT COLLEGES

BANKIPORE (PATNA), *Bihar National College.* B.A., B.Sc. Principal—..... Professors: *Engl.*—Sri S. N. Sen Gupta, M.A.; *Chem.*—N. K. Basu, M.Sc.; *Hist.*—K. M. Sinha, M.A.; *Maths.*—L. M. M. Prasad, M.A.; *Persian*—A. Sayeed, M.A.; *Philos.*—S. N. Roy, M.A. Calc.; *Physics*—S. N. Roy, M.Sc. Calc.; *Sanskrit*—S. N. Bhattacharyya, M.A. 70 other Profs., Lectrs. and Demrs.

BANKIPORE (PATNA), *Magadh Mahila College.* B.A. Principal—Mrs. Ramola Nandi, M.A. (on leave); Actg. Principal—Mrs. V. Gupta. Lectrs.: *Engl.*—Miss P. R. Prasad, M.A.; *Hist.*—Mrs. J. Basu; *Econ.*—Mrs. A. Bose. 11 other Lectrs.

BANKIPORE (PATNA), *Patna Training College.* Principal—..... Teachers: D. P. Gupta, Ph.D. Ban., M.A., M.Ed.; R. Prasad, M.Sc., M.Ed.; S. Sahaya, M.A., M.Ed., B.Litt. Dub., and 4 others.

BANKIPORE (PATNA), *Patna Women's Training College.* Principal—Mrs. S. Sinha. Lectrs.: Mrs. V. Mulay, M.A. Leeds and Patna; Miss Uma Sinha, M.A. Lond., Dip. in Ed. Dub.

BANKIPORE (PATNA), *Prince of Wales' Medical College,* M.B., B.S. Principal and Prof. of *Physiol.*—B. Narayana, M.Sc., M.B. Calc., Ph.D. Edin. Profs.: *Anat.*—T. P. Sinha, M.Sc. Penn., M.B., B.S.; *Med. Chem.*—T. N. Seth, M.Sc., Ph.D.; *Hyg.*—H. Prasad, M.B. Calc., D.P.H. Calc., D.T.M. & H. Lond., D.T.M. Liv.; *Med.*—S. M. Ghosal, F.R.C.P.; *Surg.*—U. P. Sinha, F.R.C.S. Edin. *Pharmacol.*—G. Achari, Ph.D. Leeds; *Pathol.*—G. Prasad, B.Sc., M.D.; *Ophthalmol.*—D. Ram, B.Sc., M.D. Calc., D.O.L., D.O.M.S. Lond.; *Forensic Med.*—R. Hussain, B.Sc., M.B., B.S. 58 other Profs. and Lectrs.

MAHENDRU (PATNA), *Bihar College of Engineering.* B.Sc. (Eng.). Principal—R. P. Verma, M.Sc. Lond., D.Sc. M.I.T., B.C.E., D.I.C. *Mech. Engin.*—N. N. G. Dastidar, B.Sc.Tech. Manc. 23 other Profs. and Lectrs.

MAHENDRU (PATNA), *Law College.* B.L. Principal—B. K. Sinha, B.A., B.L. Vice-Principal—S. A. Varis, M.A. Camb. 14 other Lectrs.

PATNA, *Institute of Music.* Dir.—R. L. Roy, B.Sc., B.A. Instrs.: L. N. Kapoor, L. V. Musalgaonkar.

PATNA, *Patna College.* B.A. Principal—Sri Kalimuddin Ahmad, B.A. Camb., M.A. Heads of Depts.: *Hindi*—N. V. Sharma, M.A.; *Sanskrit*—R. N. Sharma, M.A.; *Engl.*—D. P. Vidyarthi, M.A., Ph.D. Lond.; *Hist.*—Prof. S. H. Askari, M.A.; *Philos.*—H. M. Jha, M.A.; *Geog.*—S. A. Majid, M.A., Ph.D. Lond.; *Psychol.*—S. M. Mohsin, M.A., Ph.D. Edin.; *Arabic*—A. A. Kazimi, M.A.; *Persian*—S. Hasan, M.A.; *Urdu*—S. M. Sadruddin, M.A.; *Maithili*—J. Mishra, M.A.; *Econ.*—.....

PATNA, *Patna Women's College.* B.A. Principal—Rev. Mother M. Theodosia. Profs.: *Econ.*—Rev. Sister M. Florence; *Geog.*—Sister Honorine; *Maths.*—Miss A. Mitra; *Philos.*—Sister Vera; *Hist.*—Rev. Sister M. Scholastica; *Hindi*—Mrs. J. Verma, M.A. 12 other Lectrs.

PATNA, *Science College.* B.Sc. Principal—M. Q. Doja, B.A. Camb. Heads of Depts.: *Maths.*—V. R. Chariar, D.Sc.; *Geol.*—S. N. Wakhloo, M.Sc., Ph.D. Panj.; *Zool.*—M. A. Majeed, M.Sc.; *Bot.*—J. G. Srivastava, M.Sc.; *Phys.*—B. N. Singh, D.Sc. Ban.; *Chem.*—B. P. Gyani, Ph.D. Lond. and Patna, M.Sc.

## GENERAL INFORMATION

Founded as a teaching and affiliating University, 1917. Most of the teaching was originally conducted in the "Admitted Colleges." Since 1952 the University has become a teaching and residential University under the Patna University Act, 1951, with its jurisdiction within the Patna Corporation area.

LIBRARY. 58,150 vols.

FACULTIES AND DEANS. *Arts*: Sri K. Ahmad; *Comm.*: Dr. B. R. Mishra; *Educn.*: .....; *Engin.*: Dr. R. P. Verma; *Law*: B. K. Sinha; *Med.*: Dr. B. Narayana; *Sci.*: Prof. G. P. Dubey.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Sc., M.Sc., D.Sc., M.Ed., B.L., M.L., D.L., B.Sc. (Eng.), M.B., B.S., M.D., M.S., B.O.L., M.Com., M.O.L.

The usual LANGUAGE OF INSTRUCTION is Hindustani up to Bachelor's degree stage and English at the postgraduate stage.

RECOGNITION OF EXAMNS. is accorded by Oxon., Camb., Lond., Dub., Edin. and other Univs.

RESEARCH SCHOLARSHIPS. Fifteen, five in Science, five in Arts, two in Medicine, three in the Faculties of Engineering, Law, Commerce and Education. Each Scholarship is 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); *Regulations*, R. 1; *Readership Lectures* (on a variety of subjects), Rs. 1·4 to Rs. 4·8.

## THE YEAR 1951–52

BENEFACTIONS. Nikhil Bharat Banga Sahitya Sammelan Medal Fund, Rs. 2500, for gold medal in Bengali Composition; Maina Jagdish and Parvati Raghunath Gold Medal Fund, Rs. 5000, for medals in Geol. and Engineering; A. N. Sarkar Gold Medal Fund, Rs. 2700, for medal in Obstet. and Gynæcol.; S. Raj Kishori Bhatia Gold Medal Fund, Rs. 2500, for medal in Physiol.

NEW BUILDINGS. New hostel for 180 students constructed. Main bldg. of Univ. office extended by addition of new block. Eight teachers' quarters have been constructed during this period.

NEW DEPARTMENT AND POSTS. Univ. dept. of Maithili.

PRINCIPAL CHANGES IN REGULATIONS. All old Regulations are being recast in the light of the provisions of the Patna University Act of 1951.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. S. K. Ghosh; Prof. K. de B. Codrington, Sch. of Oriental and African Studies, Lond.; Dr. W. C. Reckless, American criminologist; Prof. S. C. Wallace, Inst. of International Affairs, Col.; R. B. Krishna; Prof. W. F. Ogburn, Chic.

RETIREMENTS. Dr. P. B. Ganguly, Principal, Science Coll.; Dr. M. M. Sen Gupta, Dept. of Physics, Science Coll.

STUDENT NUMBERS. Men, 6252, Women, 591; total, 6843.

DEGREES AWARDED. *Arts*: B.A., 531; M.A., 362. *Educn.*, M.Ed., 4. *Engin.* (B.Sc.), 29. *Law*: B.L., 368. *Med.*: M.B., B.S., 149; M.D., 4; M.S., 4. *Sci.*: B.Sc., 139; M.Sc., 66; Ph.D., 1; D.Litt., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Dipl. in Labour and Social Welfare, 12; Dipl. in Internat. Relations, 2; Dipl. in Pub. Admin. and Local Govt., 6.

OTHER DEVELOPMENT. Patna University Act, 1951, came into force on January 2, 1952, and the Univ. became a teaching and residential University.

[*Information compiled as at* 4/7/53.]

# UNIVERSITY OF POONA

Founded 1948

*Postal Address*: Ganeshkhind, Poona, 7, India.
*Telegrams*: Unipuna.
*Telephone*: Poona, 3468, 3038, 3222.

CHANCELLOR—H.E. SHRI GIRJA SHANKAR BAJPAI.

VICE-CHANCELLOR—Rt. Hon. M. R. JAYAKAR, M.A., D.C.L. Oxon., LL.D. Alld.

DEANS OF FACULTIES—*Agriculture*, J. A. DAJI, M.Ag., B.Sc., Ph.D.; *Arts*, Lt.-Col. R. D. KARMARKAR, M.A.; *Engineering*, Principal G. R. VARTAK, B.E.; *Law*, R. B. PHADKE, M.A., LL.B. Bom.; *Medicine*, V. R. KHANOLKAR, B.Sc., M.D.; *Science*, Prof. B. V. BHIDE, M.Sc.; *Social Sciences*, M. D. V. POTDAR, M.A.

REGISTRAR—G. P. BHOSLE, B.A., B.Sc. (Econ.) Lond.

DEPUTY REGISTRAR—S. G. NAWARE, B.A.

ASSISTANT REGISTRAR—R. B. MANERIKAR, M.A., LL.B.

## TEACHING STAFF

[Teachers appointed by the Univ., who are also *ex-officio* Hds. of the respective Univ. Depts.]

*Botany*
Balakrishnan, M. S., M.Sc. Madr. Lectr.

*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.
Kshirsagar, K. P., M.A. Lectr.

*Marathi*
Tulpule, S. G., M.A., Ph.D. Bom. Univ. Prof.

*Mathematics*
.....

*Physics*
Chiplonkar, M. W., D.Sc. Reader.

*Politics*
Deshpande, N. R., M.A. Bom., Ph.D. Col. Univ. Reader.

*Sanskrit*
Dandekar, R. N., M.A. Bom., Ph.D. Berl. Univ. Prof.

*Zoology*
Ilse, Dora, Ph.D. Reader.
Desai, Y. R., M.Sc. Bom., Ph.D. Durh. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Deputy Librarian: K. S. Hingwe, M.A., Dip.Lib.Sc. Madr. Sec. Foreign Univ. Information and Employment Bureau: A. B. Arlic, B.Sc. Sec., Bd. of Extra-Mural Studies: ..... Office Supt.: .....
Manager, Univ. Press: S. R. Paramjape.

## AFFILIATED AND CONSTITUENT DEGREE COLLEGES

AHMEDNAGAR, *Ahmednagar College* (1947). Inter. Arts and Sci., B.A. (General and Hons.). Principal—T. Barnabas, M.Sc.

AMALNER, *Pratap College* (1945). B.A. (General and Hons.) and B.Sc. Principal—V. P. Damle, M.Sc., Ph.D. Lond., D.I.C.

JALGAON, *Mooljee Jaitha College* (1945). B.A. (General and Hons.) and B.Sc. Principal—Y. S. Mahajan, B.Sc. (Econ.) Lond.

KAGAL, *Gopal Krishna Gokhale College* (1950). Inter. Arts. Principal—B. H. Khardekar, B.A. Camb.

KOLHAPUR, *Rajaram College* (1880). B.A. (General and Hons.), B.Sc. Principal—V. K. Vokak, M.A. Oxon.

KOLHAPUR, *Shahaji Law College* (1933). LL.B. Principal—S. G. Dabholkar, M.A., LL.B.

KOLHAPUR, *Shri Maharani Tarabai Training College* (1934). B.T. Principal—S. R. Bhat.

NASIK, *Hansraj Pragji Thackersey College* (1924). B.A. (General and Hons.) and Inter. Sci. Principal—B. L. Fatankar, M.A.

POONA, *B.J. Medical College*, Poona, 1. (*Telephone*: 3189.) (1946.) Up to Third M.B., B.S. Principal—B. M. Desai, M.S. Bom.

POONA, *Brihan Maharashtra College of Commerce*, Poona, 5. (*Telephone*: 3343.) (1943.) B.Com. Principal—T. M. Joshi, M.A.

POONA, *College of Agriculture*, Poona, 5. (*Telephone*: 2561.) (1907.) B.Sc. (Agri.). Principal—L. S. S. Kumar, M.Sc. Lond., D.I.C.

POONA, *College of Engineering*, Poona, 5. (*Telephone*: 2685.) (1865.) B.E. (Civil, Mech., Elect., Metall. and Telecommun.). Principal—T. N. Tolani, B.E. Bom.

POONA, *Fergusson College*, Poona, 4. (*Telephone*: 3112.) (1884.) B.A. (General and Hons.) and B.Sc. Principal—D. D. Karve, M.Sc., Ph.D.

POONA, *Indian Law Society's Arts College* (1953). Inter. Arts. Principal—R. V. Oturkar, M.A.

POONA, *Law College*, Poona, 4. (*Telephone*: 2110.) (1928.) LL.B. Principal—G. V. Pandit, M.A., LL.M.

POONA, *M.E. Society's College of Arts and Science*, Poona, 4. (*Telephone*: 2411.) (1946.) Inter. Arts and Sci., B.Sc. Principal—M. B. Nevgi, D.Sc.

POONA, *Nowrosjee Wadia College*, Poona, 1. (*Telephone*: 2924.) (1932.) B.A. (General and Hons.) and B.Sc. Principal—N. G. Suru, M.A.

POONA, *Sir Parashurambhau College*, Poona, 2. (*Telephone*: 2998.) (1916.) B.A. (General and Hons.) and B.Sc. Principal—D. W. Kerkar, M.A. Camb.

POONA, *Tilak College of Education*, Poona, 2. (*Telephone*: 3603.) (1941.) B.T. Principal—N. V. Patankar, M.A., M.Ed.

RATNAGIRI, *R.P. Gogate College* (1945). B.A. (General and Hons.) and B.Sc., T.D. Principal—Y. D. Bhave, M.A.

SANGLI, *New Engineering College* (1947). B.E. (Civil.) Principal—G. R. Vartak, B.E. (Civil).

SANGLI, *Willingdon College* (1919). B.A. (General and Hons.) and B.Sc. Principal—K. G. Pandit, M.A.

SATARA, *Chhatrapati Shivaji College* (1947). Inter. Arts and Sci., T.D. Principal—A. V. Mathew, M.Ed., Ph.D.

SHOLAPUR, *Dayanand College* (1940). B.A. (General and Hons.) and B.Sc. Principal—Ram Sharma, M.A., F.R.Hist.S., F.R.A.S.

SHOLAPUR, *Dayanand College of Commerce* (1952). Inter. Com. Principal—T. B. Narasimhachari, M.A.

SHOLAPUR, *Sangameshwar College* (1953). Inter. Arts.

## CONSTITUENT RECOGNIZED INSTITUTIONS
(For Postgraduate Research)

POONA, *Bhandarkar Oriental Research Institute*, Poona, 4. (*Telephone*: 2336.) (1917.) Principal—Lt.-Col. R. D. Karmarkar, M.A.

POONA, *Deccan College Postgraduate and Research Institute*, Poona, 6. (*Telephone*: 2145.) (1934.) Principal—S. M. Katre, M.A., Ph.D.

POONA, *Gokhale Institute of Politics and Economics*, Poona, 4. (*Telephone*: 3729.) (1930.) Principal—D. R. Gadgill, M.A., M.Litt. Camb.

POONA, *Maharashtra Association for the Cultivation of Science*, Poona, 4 (*Telephone*: 2110.) (1947.) Principal—S. P. Agharkar, M.A., Ph.D., F.L.S., F.N.I.

## 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 con-

stituted 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. *See* p. 1346.

LIBRARIES, ETC. Univ. library : approx. 18,091 vols. Libraries of Affiliated Colls. and institutions : total of approx. 500,000 vols.

DEGREES, ETC. 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.

COURSES. *B.A.* course consists of two types : (1) Hons. ; (2) General. Former consists of 6 Papers on one subj. and 2 Papers on an allied subj., while latter consists of 2 Papers each on 4 diff. subjs. Students of both Hons. and General Courses have also to take 2 Papers in Compulsory Engl., total no. of Papers in each case thus being 10, carrying 1000 marks. Univ. provides Hons. teaching in the following :—Langs., Philos., Hist., Econ., Maths. General Course comprises 12 Langs. and 12 other subjs. under headings : Philos., Hist., Soc. Scis., Maths., Geog. and Stats. *M.A.* course consists of 4 diff. branches : (1) Langs. ; (2) Soc. Scis. ; (3) Maths. ; (4) Anc. Indian Culture. In the branch " Langs." provision made for 4 Classical and Prakrit Langs. and 7 Mod. Langs. The branch " Soc. Scis." consists of Philos., Hist., Econ., Pol., Sociol. and Psychol. In each subj., students can offer a special 8-Paper course, or any 2 of the subjs., offering 4 Compulsory Papers in each. In all branches of M.A. Examn., students have to appear for 8 Papers, carrying 800 marks in all. The course for the *B.Sc.Agri.* admits students immediately after Matricn. for study of 4 yrs. in Coll. of Agric.

EXTERNAL DEGREES. B.A. (External), M.A. (External), M.Sc. (External). Gainfully employed persons, and married women, residing within the Univ.

area, are eligible to appear for these examns. externally, *i.e.* without keeping terms at any of the Affiliated Colls. The duration of the Degree Course is 6 yrs. from the Entrance Examn. as compared with the normal duration of 4 yrs. for regular internal students. A candidate must appear for and pass the Inter. Arts Examn. after 3 yrs. and is then due to appear for the B.A. (External) Examn. at the end of another 3 yrs. He qualifies for the Master's Degree after a further period of 3 yrs. For any of these 3 examns., students have to register by paying Rs. 10 as the Registration Fee in the yr. previous to yr. of examn.

RESIDENCE. The Univ. maintains a hostel which has accomm. for 30 postgrad. students. The Affiliated Colls. have their own hostels, accommodating a total of 3700 men and women students.

ADMISSION. The Univ. admits students who have passed the Matricn. or Entrance Examn. of any other statutory Univ. in the State of Bombay. The Univ. does not hold an Entrance Examn. of its own.

POSTGRADUATE RESEARCH. While the Univ. Depts. (v. *supra*) are mainly meant for postgrad. study and res., the four Constituent Recognized Institutions (v. *supra*) also do postgrad. res. through their staff as well as through postgrad. students registered with the Univ. and working in those institutions. The subjects of res. at the institutions are as follows: Bhandarkar Oriental Res. Inst.—Anc. Sanskrit and Prakrit Lit., Mahabharat Epic, and Anc. Indian Culture. Deccan Coll. Post-graduate and Res. Inst.—Sansk., Compilation of Sansk. Dictionary, Sociol., Anthropol., Arabic, Maratha Hist., Anc. Indian Hist. and Culture. Gokhale Inst. of Politics and Economics—Econ., Pol. and Stat. Maharashtra Assocn. for Cultivation of Sci.—Bot., Zool., Microbiol. and Biochem.

FEES. Fees charged up to first graduation are about Rs. 100 per term per student (extra lab. fees for Sci. students). Postgraduate students: Rs. 125 per term for Arts students and Rs. 150 per term for Sci. students. Besides these tuition fees, students have to pay about Rs. 25 to Rs. 30 per yr. to the coll. authorities for gymkhana, library and other facilities.

EXTRA-MURAL WORK. The Bd. of Extra-Mural Studies was set up in 1950. Lectures on topics of general interest are frequently arranged under the Bd.'s auspices, and Profs. of the Constituent and Affiliated Colls. and other experts are invited to deliver lectures which are open to the general public.

SUMMER SCHOOL. 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.

UNIVERSITY PRESS. The Univ. maintains a small Press.

PUBLICATIONS. *Handbook* (4 Pts.); *Annual Report.*

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Unconditional donations: Rs. 10,500; endowments amounting to Rs. 84,000 received for institution of Scholps. at different Univ. Examns. and donations amounting to Rs. 13,000 received for prizes at Univ. Examns.

PRINCIPAL CHANGES IN REGULATIONS. New B.Sc. (Hons.) course introduced of 1 yr.'s duration after B.Sc. (General) consisting of 6 Papers. Admission open to candidates passing B.Sc. (General) of 2 yrs.' standing.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 14,974 |
| Women | .. | 2,061 |
| Total | .. | 17,035 |

DEGREES AWARDED. *Agric.*: B.Sc. (Agri.), 48. *Arts*: B.A., 365; M.A., 38. *Comm.*: B.Com., 59. *Educn.*: B.T., 39; M.Ed., 10. *Engin.*: B.E., 65. *Law*: LL.B., 56. *Med.*: M.B., B.S., 12. *Sci.*: B.Sc., 270; M.Sc., 20.

[*Information compiled as at* 1/6/53.]

# UNIVERSITY OF RAJPUTANA*

Founded 1947

*Postal Address*: Sawai Mansingh Highway, Jaipur, Rajasthan, India.
*Telegraphic Address*: University, Jaipur.
*Telephone*: Jaipur 135.

VISITOR—RAJENDRA PRASAD, President of India, M.A., M.L., LL.D.

PATRON—Maj.-Gen. H.H. MAHARAJADHIRAJA MAHARANA SHRI SIR BHUPAL SINGH BAHADUR, G.C.S.I., K.C.I.E., Maharana of Udaipur and Maharaj Pramukh of Rajasthan.

CHANCELLOR—Lieut.-Gen. H.H. RAJ RAJENDRA SHRI MAHARAJADHIRAJA SIR SAWAI MAN SINGH BAHADUR, G.C.S.I., G.C.I.E., Maharaja of Jaipur and Raj Pramukh of Rajasthan.

VICE-CHANCELLOR—Lieut.-Col. G. S. MAHAJANI, M.A., Ph.D. Camb.

REGISTRAR—M. N. TOLANI, M.A.

HON. LIBRARIAN—D. L. GUPTA, M.A., B.Com., Ph.D. Lond.

## UNIVERSITY TEACHING STAFF

*Economics*

Mathur, M. V., M.A., B.Com. Alld., M.P.A. Harv. Prof.
Gupta, D. L., M.A., B.Com., Ph.D. Lond. Lectr.
Garg, M. P., M.A. Pt.-time Lectr.
Dangayach, R. S., M.A. Pt.-time 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., I.Sc. (Ag.), I.Pharm., T.T.C., B.A., M.A., B.Sc., B.Sc. (Ag.), B.Pharm., B.Ed., M.B., B.S., LL.B., M.Sc., B.Com., M.Com., M.Ed., LL.M., etc. = affiliated up to the intermediate, degree, postgraduate, etc., standard.)

(A) The number of collegiate institutions affiliated to the University is 43, 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. 25 other Teachers.

BANSWARA, *Govt. Inter. College.* I.A. Principal—R. S. Gupta, M.A. 8 other Teachers.

BHARATPUR, *M.S.J. College.* B.A., B.Com., I.A. and I.Com. Principal—S. N. Gupta, M.A., Ph.D. 18 other Teachers.

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

BHILWARA, *Maharana Inter. College.* I.A. and I.Com. Principal—S. D. Jagadhari, M.A. 7 other Teachers.

BIKANER, *B.J.S.R. Jain Inter. College.* I.A., I.Sc. and I.Com. Principal—S. K. Sarkar, M.A. 8 other Teachers.

BIKANER, *Dungar College.* B.A., B.Sc., M.A., M.Sc., I.L.B., I.A. and I.Sc. Principal—Shiv Raj Bahadur, M.Sc. 31 other Teachers.

BIKANER, *Maharani Sudershan Inter. College for Women.* I.A. Principal—Mrs. S. Agarwal, M.A. 14 other Teachers.

BIKANER, *Teachers' Training College.* T.T.C. Principal—S. N. Sriwastava. 8 other Teachers.

BRIJNAGAR, *Shri Rajendra Inter. College.* I.A. and I.Sc. Principal—P. C. Das, M.A., B.L. Calc., Ph.D. Edin. 8 other Teachers.

BUNDI, *Hadendra Inter. College.* I.A., I.Sc. and I.Com. Principal—G. K. Datta. 10 other Teachers.

CHIRAWA, *Inter. College.* I.A., I.Sc. and I.Com. Principal—A. B. Saksena, M.A. 9 other Teachers.

CHURU, *Lohia College.* I.A., B.A., B.Com., I.Com. and I.Sc. Principal—S. D. Pande, M.A., B.Com. 10 other Teachers.

DAUSA, *Govt. Inter. College.* I.A. and I.Com. Principal—..... 3 other Teachers.

DIDWANA, *Shri Bangur Inter. College.* I.A. Principal—Vidya Nand Sharma, M.A. 6 other Teachers.

FALNA, *S.P.U. Inter. College.* I.A. and I.Com. Principal—L. P. Vaish, M.A. 8 other Teachers.

FATEHPUR, *Seth G. R. Chamaria Inter. College.* I.A., I.Sc. and I.Com. Principal—P. L. Gupta, M.A. 16 other Teachers.

JAIPUR, *Law College.* LL.B. and LL.M. Principal—K. S. Hajela, M.A., M.Sc., LL.M. 7 other Teachers.

JAIPUR, *Maharaja's College.* B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Sc. and I.Com. Principal—K. L. Varma, M.A. 79 other Teachers.

JAIPUR, *Maharani's College.* B.A. and I.A. Principal—Mrs. S. Bhartiya, M.A. 8 other Teachers.

JAIPUR, *Sawai Mansingh Medical College.* M.B., B.S. Principal—S. K. Menon, F.R.C.S. 67 other Teachers.

JAIPUR, *S.S.G. Pareek Vidyalaya.* I.A., I.Sc. and I.Com. Principal—G. L. Purohit, M.A. 9 other Teachers.

JHUNJHUNU, *Seth Motilal Inter. College.* I.A. and I.Com. Principal—N. L. Gupta, M.A. 5 other Teachers.

JOBNER, *S.K.N. Agricultural Institute.* B.Sc. (Ag.), I.Sc. (Ag.). Principal—A. Rathore, M.Sc., Ph.D. 11 other Teachers.

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. 59 other Teachers.

JODHPUR, *M.B.M. Engineering College.* B.E. (Civil). Principal—V. G. Garde, M.Sc. (Eng.). 9 other Teachers.

JODHPUR, *Rajmahal Girls' Inter. College.* I.A. Principal—Mrs. K. Patwardhan, M.A. 5 other Teachers.

JODHPUR, *Shri Maharaja Kumar Inter. College.* I.A. and I.Com. Offg. Principal—B. L. Thanvi, M.A. 16 other Teachers.

KISHANGARH, *Darbar Inter. College.* I.A. Principal—Faiz Ali Khan, M.A., Ph.D. 3 other Teachers.

KOTAH, *Hevbert College.* B.A., B.Sc., B.Com., M.A., LL.B., I.A., I.Sc. and I.Com. Principal—R. K. Tripathi, M.A. 37 other Teachers.

KOTAH, *Shri Maharani's Inter. College.* I.A. Principal—Mrs. Suda K. Varma, M.A., L.T. 6 other Teachers.

MUKUNDGARH, *Sharda Sadan.* I.A. and I.Com. Principal—P. C. Sahal, M.A. 6 other Teachers.

NAWALGARH, *S.G.B. Podar College.* B.Com., M.Com., I.A., I.Sc. and I.Com. Principal—R. R. Gupta, M.A., B.Com. 10 other Teachers.

PILANI, *Birla Arts College.* I.A., B.A., M.A. Principal—Mrs. Deoki Amma, M.A. 18 other Teachers.

PILANI, *Birla College of Science and Commerce.* B.Sc., B.Com., M.Sc., M.Com., I.Com., I.Sc., I.Pharm. and B.Pharm. Principal—S. R. Mittal, M.A., B.Sc., B.T. 34 other Teachers.

PILANI, *Birla Engineering College.* B.E. (Mechanical and Electrical). Principal—V. Lakshminarayanan, B.E. 41 other Teachers.

SARDARSHAHR, *Govt. Inter. College.* I.A. and I.Sc. Principal—B. R. Luthra, M.A. 6 other Teachers.

SIKAR, *Shri Kalyan Inter. College.* I.A. Principal—G. N. Singhal, M.A., T.D. 8 other Teachers.

SIROHI, *Govt. Inter. College.* I.A. and I.Com. Principal—Sital Prasad Bairathi, M.A. 5 other Teachers.

SRI GANGANAGAR, *Govt. Inter. College.* I.A. Principal—Ram Singh, M.A. 13 other Teachers.

TONK, *Darbar Inter. College.* I.A. Principal—V. D. Gupta, M.A., B.T. 5 other Teachers.

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. 47 other Teachers.

UDAIPUR, *Rajasthan Mahila Vidyalaya.* I.A. Principal—Miss Parvati B. Menon, M.A., B.Sc., B.T. 6 other Teachers.

UDAIPUR, *Vidya Bhawan G.R. Teachers' College.* M.Ed. and B.Ed. Principal—K. L. Shrimali, M.A., Ph.D., B.T. 8 other Teachers.

(B) The number of High Schools recognized by the University is 221 ; of these, 15 are Girls' High Schools.

## GENERAL INFORMATION

The idea of a University at Jaipur—whether only for Jaipur State, or for the whole of Rajputana and Central India—can be traced to the twenties of this century. It was, however, on Jan. 8, 1947, that the Act for a federal University for Rajputana was promulgated by the States that had decided upon this joint action. In July following the Univ. began to function.

The jurisdiction of the Univ. extends over the ring-shaped region comprising the whole of Rajputana minus the centrally administered " island " of Ajmer-

Merwara at the centre. The area consists of the former seven political units: (1) Bikaner, (2) Jaipur, (3) Jaisalmer, (4) Jodhpur, (5) Matsya Union (consisting of the former 4 states of Alwar, Bharatpur, Dholpur and Karauli), (6) Rajasthan Union (consisting of the former ten states of Banswara, Bundi, Dungarpur, Jhalawar, Kishangarh, Kotah, Pratapgarh, Shahpura, Tonk and Udaipur) and (7) Sirohi. The seven units were later integrated into a single political unit of Rajasthan (March 30, 1949) and the University Act was, in consequence, amended.

The Univ. controls the High School Examn. as well as Univ. education, and the Bd. of High School Education is one of the "Authorities" of the Univ. With the Senate at the base and the Syndicate as the apex, there are two bodies between them—the Academic Council to deal with collegiate questions and the Bd. of High School Educn. to look after the schools. This system of four "Authorities" forms a strong, stable structure for the Univ. The usual languages of instruction are English and Hindi.

INCOME (Jan. to Dec. 1951). Rs. 10,06,921, of which Rs. 5,00,207 were received from examn. fees. Expenditure during the yr. was Rs. 8,39,308.

FACULTIES AND DEANS. *Arts*, Dr. P. T. Raju; *Commerce*, S. S. Saxena; *Education*, Dr. K. L. Shrimali; *Engineering*, V. Lakshminarayanan; *Law*, K. S. Hajela; *Medicine*, Dr. S. K. Menon; *Science*, Dr. S. D. Arora.

TEACHING AND RESEARCH. There are now 3 teaching Depts. in the Univ.—Economics, Geology and Philosophy. 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.

LIBRARY. No. of vols. (July 1952): 10,004.

DEGREES. B.A., B.Sc., B.Com., B.E. (Electrical and Mechanical and Civil), B.Sc. (Ag.), M.Ed., 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. (Honorary), D.Litt., D.Sc., LL.D.

*B.A., B.Sc.*: candidates who have passed the Inter. Examn. of a recognized Bd. or Univ. and have attended a regular course of study in an affiliated coll. for 2 academical yrs. are admitted to the examn. *M.A., M.Sc. and M.Com.*: 2 yrs.' course in an affiliated coll. 2 examns.—Previous and Final. *B.Com.*: 3 yrs. Examn. at end of third yr., provided that candidates who have passed certain examns. are exempted from taking the first-yr. B.Com. course. *LL.B.*: Graduates in 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. Sc. 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 of 1 yr. in a coll. affiliated for the purpose. *LL.M.*:

2 yrs.' course after LL.B.; 2 examns.—Part I and Part II. *M.Ed.*: 1 yr.'s course after Bachelor's degree in Education. *Ph.D.*: Open to Masters in Arts, Sci. or Comm. after res. work of at least 2 yrs. and on submission of a thesis.

CERTIFICATES. High School, Inter. (Arts, Science, Commerce and Agriculture), Teachers' Training Certificate and I.Pharm.

EXTERNAL STUDENTS. Provision has been made by the Univ. to enable candidates "in service" to undertake higher educn. Such candidates are enrolled to attend evening classes, which certain degree colls. are authorized to run. They are thus intermediate in status between "private" candidates on the one hand and full-time scholars on the other. This facility has enabled those who are gainfully employed and cannot for valid reasons join a coll. as regular students to appear at the Univ. examns.

NATIONAL CADET CORPS TRAINING. Three Battalions—one at Jaipur, another at Udaipur, and the third at Jodhpur, each under a separate Commandant. The Univ. contributes Rs. 5000 annually for the amenities of N.C.C. cadets.

PUBLICATIONS. Text-books in Hindi on Gen. Sci. and Soc. Studies for the High Sch. classes, *Handbooks* (Pts. I and III), *University Studies* and *Extension Lectures*, Text-books and Syllabuses, Ordinances and Regulations; *List* of institutions.

## THE YEAR 1951–52

BUILDINGS. Offices of Univ. remained in the same rented bldg. The Univ. took possession of 207 acres of land in Gandhinagar area (Jaipur) granted by Govt. of Rajasthan for construction of Univ. bldgs. Govt. of Rajasthan had already transferred Rs. 20 lacs of Govt. securities to the trust formed for the construction of Univ. Bldgs. and a Bldg. Cttee. has been apptd. by the Syndicate. The lay-out and plans for the building are under preparation. Univ. Library shifted to more commodious bldg. near by.

EXTRA-MURAL WORK AND DELEGATIONS. Extension lectures by members of the University were delivered at various centres, and are being published both in English and Hindi.

VISITS BY MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. K. P. Rode attended the 19th International Geol. Conference in September 1952 at Algiers; Dr. P. T. Raju, Univ. of Illinois as visiting Prof. of Philos. from Sept. 1952 to June 1953.

STUDENT NUMBERS. Number enrolled as members of Univ., 3924. Number of students (by faculty) in the Affiliated Colls., 2039 in Arts, 788 in Sci., 979 in Law, 764 in Comm., 567 in Engin., 395 in Med., 116 in Educn. Of these, 772 (634 in Arts and 138 in Commerce) were external students. The total number of students increased from 9288 (in 1951) to 10,866 (in 1952), including 5595 candidates in the Inter. classes.

DEGREES. B.A., 433; M.A., 185; B.Sc., 116; M.Sc., 35; B.Com., 213; M.Com., 33; B.Ed., 105; B.E., 78; LL.B., 229; Ph.D., 1.

[*Information compiled as at* 11/8/53.]

# UNIVERSITY OF ROORKEE*

Founded in 1847 as Thomason College; inaugurated as a University in 1949

*Postal Address*: Roorkee, Uttar Pradesh, India.
*Telegrams*: Tomcol, Roorkee.
*Telephone*: Roorkee 21.

CHANCELLOR—RAJYAPAL SRI K. M. MUNSHI, B.A., LL.B., D.Litt.

VICE-CHANCELLOR—.....

PRO-VICE-CHANCELLOR—M. C. BIJWAT, B.A., C.E.

REGISTRAR—N. C. PAL, M.A., B.L.

## TEACHING STAFF

*Applied Science*

Prasad, C., M.Sc., D.Phil. (Appld. Maths.) Reader.
Agarwala, B. K., M.Sc., Ph.D. (Phys.) Lectr.
Mittal, K., M.Sc. (Maths.) Lectr.
Agarwal, B. R., M.Sc., Ph.D. Lond., D.I.C. Lectr.

*Civil Engineering*

..... Prof.
Singh, S. R., B.Sc. in Engin. Brist. (Survey and Drawing) Reader.
Krishna, J., B.Sc., C.E. Offg. Reader.
Jain, O. P., B.Sc., C.E. Offg. Reader.
Charlu, T. G. K., M.Sc., Ph.D., D.I.C. (Geol with Chem., Reader.
Goyal, S. C., B.Sc., C.E. Lectr. and Offg. Chief Instr., Overseer Sch.

Lecturers

Shahani, P. B., B.E. (Civil).
Advani, R. M., B.E. (Civil).
Chitale, H. D., B.E.
Asthana, K. C., B.E. (Civil).
Singh, B., C.E.
Narain, B., B.Sc.
Vaswani, N. K., B.Sc. (Engrg.).
Jain, B. K.
Gupta, C. L. Offg. Sr. Instr., Overseer Sch.
Garg, L. S. Jr. Instr., Overseer Sch.
Nanden, R. Sr. Instr., Draughtsman.
Jain, B. P. Jr. Instr., Draughtsman.

*Mechanical Engineering*

..... Prof.
Rau, K. B. K., B.E. (Mech.). Reader.

Lecturers

Prasad, J., B.Sc. (Engrg.) Ban.
Kapur, P. N., B.A., Dipl. Masch. Ing. der E.T.H. Zür.
Gupta, N. L., B.Sc. (Engrg.), M.S., M.E.
Saxena, M. N., B.Sc., B.Sc. (Metallurgy).
Srivastava, J. P., B.Sc., B.E. (Mech.).

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

Malhotra, P. N., B.Sc. (Engrg.).

*Electrical Engineering*

Aston, K., M.Sc. Prof.
Ahmad, Z. U., B.Sc., D.I.C., Ph.D. Lond. Reader.

Lecturers

Roy, S. N., M.Sc.
Jethi, J. L., B.Sc. (Engrg).
Rao, T. S. M., B.Sc., B.E.E.
.....

## ADMINISTRATIVE AND OTHER STAFF

Supt. of Workshops, ..... . Univ. Resident Engr., T. Chand, M.A.
O.C., N.C.C.: Capt. N. Kumar. Med. Officer, Dr. K. L. Sahi, M.B., B.S.
Librarian: M. I. Ansari, B.A.

## GENERAL INFORMATION

Established in 1857, the Thomason College of Engineering became the University of Roorkee by the University Act of 1946 (U.P. Act No. IX of 1948) as amended by Act No. XII of 1949. The Univ. was constituted to provide for the teaching of all branches of Engineering at Roorkee in a unitary, teaching and residential University. The authorities of the Univ. are the Senate and the Syndicate.

INCOME. Total income for financial year 1952–53: Rs. 18,36,617 (Grant-in-Aid, 85 per cent.; other sources, 15 per cent.).

LIBRARY. Fully equipped central library. Up-to-date books and periodicals on Engin. and scientific subjects; rare books of bibliographical value. Reading and reference rooms remain open on all days, including Sundays and holidays, till 9.30 P.M.

OBSERVATORY. There is a second-class meteorol. observatory under the charge of the Univ.

MUSEUM of Geol., Concrete Technol., Civil Engin.

LABORATORIES. Phys., Chem., Soil Mechanics, Concrete Technol., Mechanics, Hydraulics, Photogrammetry, Heat Engines, Refrigeration, Structural Engin., Survey, Internal Combustion Engines, Testing of Materials, Hydraulic Machines, Advanced Electr. Machines, Electr. Communication and Electr. High Voltage.

WORKSHOPS. Fully equipped workshops for instruction.

ADMISSION. 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.

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.

POSTGRADUATE DIPLOMA COURSES. 1-yr. course, after graduation in Engin. or for Dipl. holders of the old Thomason College of Engineering, in the following subjects: Advanced Hydraulics and Irrigation; Advanced Structures and Reinforced Concrete; Advanced Surveying and Photogrammetry.

SPECIAL AND SHORT COURSES. In (*a*) Concrete Technol. and Structures (8 weeks); (*b*) Hydraulics and Irrigation (6 weeks); (*c*) Appl. Geol. and Soil Mechanics (5 weeks); (*d*) Advanced Surveying and Photogrammetry (4 weeks); (*e*) Photo-elasticity (Elementary) and Stress Analysis (4 weeks); (*f*) Engin. Materials and Industrial X-ray Techniques (3 weeks); (*g*) Refrigeration and Air Conditioning (6 weeks); (*h*) Electr. Line Communication and Electr. Radio-communication (8 weeks); (*i*) Electr. Technol. and Electr. Power Transmission (8 weeks).

TUITION FEE for 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.

ACADEMIC YEAR. September 1 to June 15.

The MEDIUM OF INSTRUCTION is English.

PRACTICAL TRAINING. Engineering students are provided with facilities to undergo 6 weeks' practical training during the long vacation, in govt. depts. and industrial enterprises. They are also given facilities and encouragement to do manual work by joining the community projects of the Univ.

RESIDENCE, ETC. Residence in the Univ. hostels compulsory. Engineering students run a common mess. Membership is compulsory. A number of messes are also run by Overseer and Draughtsman students.

CLUBS. Separate clubs for the Engineering and Overseer class students exist. Membership is compulsory. Social functions are arranged in the clubs to establish informal contacts between the staff, guests and students.

THOMASONIAN SOCIETY. Organized by students under guidance of a senior member of staff. Membership is compulsory.

OLD THOMASONIANS' ASSOCIATION. Annual meeting held at time of Convocation, which provides an opportunity for the old students to establish contacts with the present staff and students. Lectures are given and papers on academic subjects read at the meeting.

NATIONAL CADET CORPS. Consists of two engineering platoons. Training is compulsory for 1st- and 2nd-yr. Engin. students. Overseer and Draughtsman classes have to do physical trg. under a military instr.

PUBLICATIONS. *Calendar*. Students run the *Lion* with an editorial board under the guidance of a member of staff.

## THE YEAR 1951–52

RESIGNATIONS. R. Parthasarathi; A. K. Chaudhuri; L. S. Agarwal; Dr. C. A. Hart, Vice-Chancellor; A. N. Chatterjee; Maj. P. N. Bose; A. P.

Ghosh, Workshop Supt.; S. S. Bhatnagar; H. R. Puri; J. N. Moudgill; R. K. Sharma.

STUDENT NUMBERS.

| | *Part Course* | *Full Course* |
|---|---|---|
| Men | 24 | 356 |
| Women | .. | .. |
| Total | 24 | 356 |

Postgraduate students, nil.
Degree students: B.E. (Civil), 110; B.E. (Elect.), 49; B.E. (Mech.), 44.
Certificate students: Overseer, 144; Draughtsman, 9.
Students taking special courses, 24.
New admissions, 155.
Students from other countries, 7 (from British E. Africa, 5; Indonesia, 1; Burma, 1).

DEGREES AWARDED (1952). B.E., 70.

CERTIFICATES. Overseer, 67; Draughtsman, 4; Special courses, 24.

[*Information compiled as at 27/6/53.*]

# UNIVERSITY OF SAUGAR *

Founded 1946

*Postal Address*: Sagar, Madhya Pradesh, India.
*Telegrams*: University, Sagar.
*Telephone*: Sagar, 5.

CHANCELLOR—Pandit RAVI SHANKER SHUKLA, B.A., LL.B., LL.D. Ban., Chief Minister, Madhya Pradesh, Nagpur.

PRO-CHANCELLOR—THE EDUCATION MINISTER, Madhya Pradesh, Nagpur.

VICE-CHANCELLOR—RAM PRASAD TRIPATHI, M.A., D.Sc. Lond. (on leave).

RECTOR AND ACTING VICE-CHANCELLOR—B. L. SETH, B.Sc., LL.B. Alld.

TREASURER—Pandit A. M. MISRA.

REGISTRAR—ISHWAR CHANDRA, B.A., M.A. Panj.

DEANS—*Arts*—M. L. MISRA, M.A., D.Sc. Alld.; *Education*—L. P. D'SOUZA, M.A., T.C. Lond.; *Law*—B. L. SETH, B.Sc., LL.B. Alld.; *Science*—D. R. BHAWALKAR, M.Sc., Ph.D. Lond.

PROCTOR—R. N. PANDEY, M.A. Alld.

WARDEN—R. S. SHUKLA, M.A., D.Litt. Alld.

## TEACHING STAFF

*Archæology*

Dikshit, M. G., M.A., Ph.D. Lectr.

*Botany*

Misra, R., M.Sc., Ph.D. Leeds Reader.

Lecturers

Saksena, S. B., M.Sc.
Bhargava, H. R., M.Sc.
Mall, L. P., M.Sc. Luck.
Rao, Y. S., M.Sc. Ban.
Deshikachary, T. V., M.Sc., Ph.D. Madr.
Tiwari, D. K., M.Sc. Temp. Lectr.

*Chemistry*

Bhattacharya, A. K., M.Sc., D.Sc. Alld. Reader.

Lecturers

Perti, O. N., M.Sc., D.Phil. Alld. (on leave).
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.
Shrivastava, H. N., B.Sc. Nag.
Rao, G. S., M.Sc.
Narayanan, C. R., M.Sc., D.Phil. Alld.
Manhas, M. S., M.Sc., D.Phil. Alld.
Pathak, B., M.Sc., Ph.D. Calc.
Chauhan, C. S., B.Sc.

*Commerce*

Misra, J. N., M.Sc. Lond. Actg. Reader.

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

Lecturers
Roy, R. P., M.Com. Alld.
Pandey, V. P., M.Com., LL.B.
Saxena, R. B., M.Com. Agra.

*Economics*
Jain, L. C., M.A., Ph.D., D.Sc. Lond. Prof.

Lecturers
Shete, M. K., M.A. Nag.
Nakhare, M. G., M.A. Nag.
Misra, A. B., M.A. Agra, Ph.D. Luck.
Seth, P. K., M.Com. Temp. Lectr.

*English*
Readers
Swaminathan, S. R., B.A. Madr.
Misra, S. N., M.A., LL.B.

Lecturers
Datta, A., M.A., Ph.D. Luck.
Sastri, P. S., M.A., M.Litt., Ph.D. Nag.
Mukerji, A., M.A., D.Phil. Alld.
Mallikarjunan, S., B.A. Madr.
Bajpai, M. K., M.A. Alld.

*Geology*
Chiplonkar, G. W., M.Sc., D.Sc. Ban. Reader.

Lecturers
Dehadrai, P. V., M.Sc. Ban. (on study leave).
Padmanabhan, S., M.A., M.Sc. Missouri.
Dass, K. N., M.Sc.
Dubey, K. C., M.Sc. Temp. Lectr.

*Hindi*
Readers
Bajpeyi, N. D., M.A. Ban.
Shukla, R. S., M.A., D.Litt. Alld.

Lecturers
Pandey, R. N., M.A. Alld.
Bhatnagar, R. R., M.A., D.Phil. Alld.
Pathak, K. K., M.A., LL.B. Nag.
Singh, R. L., M.A., B.T. Ban.

*History*
Lecturers
Gupta, H. L., M.A., D.Phil. Alld.
Raghuvanshi, V. P. S., M.A., D.Phil.
Mehrotra, S. R., M.A. Alld.

*Law*
Honorary Lecturers
Shrivastava, G. S., M.A., LL.B.
Saraf, B. L., B.A., LL.B.
Kakkar, K. P., B.A., LL.B.
Lokras, G. K., B.A., LL.B.

*Marathi*
Adoni, D. L., M.A. Nag.

*Mathematics*
Misra, M. L., M.A., D.Sc. Alld. Reader.

Lecturers
Saksena, K. M., M.A., Ph.D. Agra.
Singh, B. D., M.A. Ban.
Gupta, D. P., M.Sc. Alld.
Misra, R. K., M.Sc. Nag.

*Persian*
Pathak, B. L., M.A., M.O.L. Hon. Lectr.

*Philosophy*
Das, R., M.A., Ph.D. Calc.

Lecturers
Roy, S. S., M.A. Alld.
Awasthi, C. S., M.A. Ban.
Bhattacharya, S., M.A.

*Physics*
Bhawalkar, D. R., M.Sc., Ph.D. Lond. Reader.

Lecturers
Ranade, J. D., M.Sc., Ph.D. Lond.
Pandeya, D. C., M.Sc. Luck.
Shrivastava, R. K., M.Sc. Nag.
Vedam, K., M.Sc.
Jatar, D. P., M.Sc.
Fatehally, R., M.Sc.
Tiwari, I. D., M.Sc. Alld.

*Political Science*
Lecturers
Singh, S. C., M.A., Ph.D., D.Litt. Luck.

Argal, R., M.A., Ph.D., D.Litt. Alld.
Shrivastava, R. P., M.A., LL.B.

*Sanskrit*

Apte, V. M., M.A., Ph.D. Camb.

Lecturers

Upadhyaya, R., M.A., D.Phil. Alld.
Bhawalkar, Mrs. V., M.A. Nag.

*Urdu* [Hon. Lectr.
Pathak, B. L., M.A., M.O.L.

*Zoology*

Srivastava, D. S., M.Sc., Ph.D. Belf. Reader.

Lecturers

Misra, S. D., M.Sc., Ph.D. Luck.
Harswarup, M.Sc. Agra, Ph.D.
Bhargava, H. R., M.Sc. Alld.
Saini, R. S., M.Sc. Agra.
Shrivastava, R. K., M.Sc.

## ADMINISTRATIVE OFFICERS AND OTHER STAFF

Dep. Registrar: P. Bajpai, M.A. Alld., LL.B.; Asst. Registrar, Accounts: B. P. Misra, B.A. Librarian: B. L. Pathak, M.A., M.O.L. Chairman of Delegacy: A. K. Bhattacharya, M.Sc., D.Sc. Alld.

## AFFILIATED COLLEGES

BILASPUR, *Law College.* LL.B. Principal—U. S. Bisen, B.A., LL.B. 4 Teachers.

BILASPUR, *S.B.R. Arts College.* I.A., B.A., M.A. Principal—A. L. Pande, M.A., B.T. 8 Teachers.

JABALPUR, *D.N. Jain College.* I.A., B.A. Principal—B. S. Audholia, M.A., B.Com. 9 Teachers.

JABALPUR, *Government Engineering College.* (*Telephone*: 128.) I.E., B.E. (Hons.), M.E. Principal—S. P. Chakravarti, M.Sc., M.Sc. (Eng.) Lond., D.I.C. 28 Teachers.

JABALPUR, *G.S. College of Commerce and Economics.* (*Telephone*: 310.) I.Com., B.Com., M.Com. Principal—P. L. Baldua, M.A., B.Com. 12 Teachers.

JABALPUR, *Hitkarini Law College.* LL.B. Principal—B. V. Shukla, B.A. LL.B. 4 Teachers.

JABALPUR, *Hitkarini Mahavidyalaya.* (*Telephone*: 327.) I.A., B.A., M.A., Principal—P. M. Paranjpe, M.A. 14 Teachers.

JABALPUR, *Mahakoshal Mahavidyalaya.* (*Telephone*: 80.) I.A., B.A., B.Sc., M.A., M.Sc. Principal—N. G. Shabde, D.Sc. Nag. and Edin. 53 Teachers.

JABALPUR, *Mahila Mahavidyalaya.* I.A. Principal—G. M. Ranade, M.A. 8 Teachers.

JABALPUR, *Prantiya Shikshan Mahavidyalaya.* (*Telephone*: 193.) Dip.T., B.T., M.A. in Appl. Psychol., M.Ed. Principal—L. P. D'Souza, M.A., T.D. Lond. 37 Teachers.

JABALPUR, *St. Aloysius College.* I.A., I.Sc. Principal—Rev. H. van Engelen. 8 Teachers.

JABALPUR, *Training Institute for Women.* Dip.T. and Dip. in Nursery Edn. Principal—Miss Marion Warner, M.A. 10 Teachers.

JABALPUR, *Veterinary College.* (*Telephone*: 41.) B.V.Sc. Principal—H. N. C. Iyengar. 13 Teachers.

KHANDWA, *Diploma Institute for Men.* Dip.T. Principal—M. A. Mumtazuddin, B.T. 12 Teachers.

KHANDWA, *Shree Nilkantheshwar College.* I.A., I.Com., B.A. Principal—A. C. Bose, M.A., Ph.D. Dub. 7 other Teachers.

RAIPUR, *Chhattisgarh College.* I.A., B.A. Actg. Principal—J. Yoganandam, M.A., LL.B. 11 Teachers.

RAIPUR, *College of Science.* I.Sc., B.Sc. Principal—U. Mukerji, M.Sc. 22 Teachers.

RAIPUR, *Law College.* LL.B. Principal—J. Yoganandam, M.A., LL.B. 8 Teachers.

RAIPUR, *Law College,* Maudhapara. LL.B. Principal—B. B. Tiwari, B.Sc., LL.B. 8 Teachers.

RAIPUR, *New Arts College.* I.A., B.A. Principal—M. V. Ramchandran, M.A. 7 Teachers.

(*Note.*—All the above Colleges are in Madhya Pradesh.)

## GENERAL INFORMATION

The University was founded by Sir Hari Singh Gour, who gave Rs. 20 lacs and appealed to both Central and Provincial Govts. to make suitable donations. The Govt. of Madhya Pradesh donated Rs. 10 lacs towards the Univ. Endowment Fund and made a further grant of Rs. 15 lacs towards bldgs. and equipment. They are also making a grant of Rs. 6 lacs a yr. towards the maintenance of the Univ. The Govt. of Madhya Pradesh have transferred to the Univ. 2050 acres of land, free of cost, at a site selected by the Univ. for the founding of the Univ. town. The permanent bldgs. of the Univ. are being constructed on the new site, which is on a plateau commanding extensive and beautiful views and more than 2000 ft. above sea level. At least Rs. 1 crore will be necessary for the completion of the bldg. programme.

The founder of the Univ. intended that it should be particularly concerned with Polytechnics. Accordingly, a scientific and technological faculty has grown up requiring expensive equipment and labs. and laying special emphasis on Sci., Phys., Technol., Engin. and Agric., along with a study of Arts and Social Sciences.

The Univ. is a teaching and residential as well as an affiliating Univ. and has on its register about 7000 students, of whom over 1000 are in residence in the Teaching Depts. at Sagar. Most of the members of the Teaching Staff live in the Univ. bldgs., and thus participate in the wider life of the Univ. A Course in General Knowledge is compulsory for all undergraduate students.

CONSTITUTION. The Univ. authorities are: the Court, Executive Council, Academic Council, Cttee. of Reference and the Faculties.

INCOME (1951–52). Total: Rs. 16,59,824. State Govt. grant, Rs. 6,00,000; Central Govt. grant, Rs. 80,000; Grant from Scholps., Rs. 14,744; Endowments, Rs. 1,36,332; Fees, Rs. 4,42,892; Misc., Rs. 3,85,856.

LIBRARY. 21,700 vols.; subscriptions to 160 journals.

LABORATORIES. Phys., Chem., Bot., Zool., Geol., Industr. and Pharmaceutical Chem.

MUSEUMS. Zool., Bot., Geol., Archæol. BOTANICAL GARDENS.

OBSERVATORY. Meteorological Observatory controlled by Physics Dept.

POSTGRADUATE RESEARCH is carried out in all Depts. in Facs. of Sci., Arts and Educn.

UNIVERSITY ENTRANCE REQUIREMENTS. Students who have passed the High Sch. Certif. Examn. of Madhya Pradesh or any other equivalent examn. are eligible for admission to 1st-Year Course (Inter. 1st Yr.). Those who have passed the Univ. Inter. Certif. Examn. or any other examn. recognized by the Univ. as equivalent are eligible for admission to the third-yr. class, *i.e.* first yr. of Bachelor degree course. Grads. of this Univ. as well as of other recognized Univs. are eligible for admission to the postgraduate degree course.

NON-MEMBERS OF THE UNIV. are not admitted to classes.

DEGREES. B.A., B.Sc., B.Com., LL.B., M.A., M.Sc., M.Com., B.T., M.A. in Applied Psychol., M.Ed., B.E., B.E. (Hons.), M.E., B.V.Sc., Ph.D.

EXTERNAL DEGREES. Teachers in recognized schools and colls. within the territorial jurisdiction of the Univ., and women candidates, are admitted to all examns. for External Degrees.

FEES per session. I.A., Rs. 117; I.Sc., B.A., B.Sc., Rs. 135; M.A., M.Sc., Rs. 162; I.Com., Rs. 126; B.Com., Rs. 144; M.Com., Rs. 171; LL.B. Previous, Rs. 108; LL.B. Final, Rs. 126; Soaps and Cosmetics Dipl. Course, Rs. 72.

LANGUAGE OF INSTRUCTION. Hindi and English in Inter. classes. English in undergrad. and postgrad. classes.

STUDENTS' RESIDENCES. 5 halls of residence (4 for men and 1 for women). Total number of students in residence at the Univ. is 550 (500 men and 50 women). *Hostel Fees*: for single room, Rs. 5 p.m.; for double room, Rs. 4 p.m.

STAFF RESIDENCES. About 40 staff members live in the residences on the Univ. campus.

UNIVERSITY MILITARY FORMATION. Regular National Cadet Corps Independent Coy. maintained, through the State Govt., by Ministry of Defence of Govt. of India.

STUDENT HEALTH SERVICE. The Bd. of Physical Welfare supervises the arrangements connected with physical welfare of students. There is a resident Medical Officer and a small Hospital Unit is attached to the Univ.

STUDENTS' UNIONS. Univ. of Saugar Union, Delegacy Students' Union and Hostel Students' Union.

PUBLICATIONS. Univ. *Calendar* (published every 3rd yr.); *Prospectuses* and *Syllabuses* (annual); *Annual Report*; *University Journal* (twice a yr.); magazines of Students' Unions (twice a yr.).

UNIVERSITY PRESS. The Univ. maintains a small Univ. Press.

## THE YEAR 1951–52

NEW BUILDINGS. Univ. bldgs. on new site begun; Library bldg. (of which the foundation-stone was laid by the Prime Minister of India) being constructed. Arrangements in hand for construction of men's hostels.

NEW DEPARTMENTS. Anthropol. and Geog.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Extension Lectures were delivered by the following: M. R. Goodall, Johns H.; A.

Schenkman, Dep. Dir., Internat. Inst. of Educn. Sci., Utrecht; N. D. Palmer, Penn.; C. K. Raja, Madras and Tehran.

HONORARY DEGREES. *D.Litt.*—J. Nehru, Prime Minister of India. *LL.D.*—Dr. K. N. Katju, Minister for Home Affairs, Govt. of India.

STUDENT NUMBERS. Full-time: 4794 men, 422 women. Part-time: nil.

DEGREES AWARDED. B.A., 321; B.Sc., 85; B.Com., 84; B.A. (Hons.), 1; LL.B., 69; M.A., 74; M.Sc., 52; M.Com., 19; B.T., 126; M.A. Applied Psychology, 4; M.Ed., 10; B.E. (Pass), 49; B.E. (Hons.), 73; B.V.Sc., 35.

DIPLOMAS AWARDED. Dip.T., 15; Indust. Chem., 8; Oriental Learning, 25.

[*Information compiled as at 28/7/53.*]

# UNIVERSITY OF TRAVANCORE*

Founded 1937

*Postal Address*: University Buildings, Trivandrum, India.

CHANCELLOR—HIS HIGHNESS SIR BALA RAMA VARMA, G.C.S.I., G.C.I.E., D.Litt.

VICE-CHANCELLOR—Sir A. RAMASWAMI MUDALIAR, K.C.S.I., D.C.L.

PRO-VICE-CHANCELLOR—P. R. PARAMESWARA PANIKKAR, M.A.

DEANS OF FACULTIES—*Arts*—T. C. SANKARA MENON, M.A.; *Ayurveda*—M. N. KESAVA PILLAI; *Commerce*—A. GOPALA MENON, M.A., B.Com.; *Education*—V. SUNDARARAJ NAIDU, M.A., B.L.; *Law*—K. T. KOSHY, B.A., B.L.; *Medicine*—J. AXEL HOJER, M.D., Odont., Hon.D. Stockholm; *Oriental Studies & Fine Arts*—K. GOVINDA PILLAI, B.A., B.L.; *Science*—C. S. VENKATESWARAN, M.A., D.Sc., F.I.P.; *Technology*—M. V. KESAVA RAO, B.Sc., Ph.D.

REGISTRAR—P. S. ABRAHAM, B.A., M.Ed. Leeds.

OFFICER-IN-CHARGE, UNIVERSITY LIBRARY—K. P. PILLAI, M.A.

## TEACHING STAFF†

*Botany*
Abraham, A., M.Sc., M.A., Ph.D. Prof.

*Chemistry*
Narayanan Poti, A., M.A., Ph.D. Prof.

*Commerce*
.....

*Economics*
Pillai, V. R., B.A., M.Sc. Prof.

*Education*
Mani, K. M., M.A. Camb., B.A., B.T. Prof.

*Engineering*
.....

*English*
Iyer, S., M.A., Ph.D. Prof.

*European Languages*
Tamby, T. P., B.A. Lectr.

*Fine Arts*
.....

*Hindi*
Bhaskaran Nair, K., B.O.L. Lectr.

*History*
Pillai, K. P., M.A. Prof.

*Islamic Studies*
.....

*Law*
Narayanan, K., B.A., B.L. Prof.

*Malayalam*
.....

*Marine Biology & Fisheries*
.....

* Member of the Association of Universities of the British Commonwealth.
† Heads of depts. of study in the Univ.

*Mathematics*
.....

*Oriental Studies, Research in*
.....

*Philosophy*
Sundararaj Naidu, V., M.A., B.L.

*Physics*
Venkateswaran, C. S., M.A., D.Sc., F.I.P. Prof.

*Sanskrit*
.....

*Sciences, Applied Research in*
.....

*Statistics*
Sivaraman Nair, U., M.A., Ph.D.

*Tamil*
Jesudasan, C., M.A.

*Textile Technology*
Gopalan Nair, M. P.

*Zoology*
Bhaskaran Nair, K., D.Sc. Prof.

## ADMINISTRATIVE AND OTHER STAFF

Dir. of Res.: C. C. John, M.A., D.Sc., D.I.C. Dir. of Phys. Educ.: P. I. Alexander, B.A., M.P.E. Sec., Students' Advisory Bureau: E. P. N. Pillai, M.A. Oxon. Sec., Students' Employment Bureau: E. P. N. Pillai, M.A. Oxon. Warden, Univ. Hostel: K. Bhaskaran Nair, D.Sc. Warden, Collegiate Hostel for Women: B. Anandavalli Amma, B.A.

## COLLEGES MAINTAINED BY THE UNIVERSITY

### Arts and Science Colleges.

FIRST GRADE COLLEGES

TRIVANDRUM, *H.H. The Maharaja's University College.* Provides pass courses in Hist., Philos., Geology, Econ., Politics, Maths., Phys., Chem., Bot., Zool., Malayalam, Tamil, Sanskrit and Hindi; Hons. courses in Engl., Hist., Philos., Econ., Maths., Phys., Chem., Malayalam and Sanskrit; post-grad. courses in Engl., Hist., Philos., Maths., Phys., Chem., Bot., Zool., Stats., Malayalam and Sanskrit. 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., Philos., Econ., Politics, Music, Maths., Bot., Zool., Malayalam and Sanskrit. Principal—B. Anandavalli Amma, B.A. 65 other Teachers.

TRIVANDRUM, *H.H. The Maharaja's Sanskrit College.* An Oriental Coll., providing instruction for the Sanskrit Entrance, Inter. Mahopadhyaya and Post-Mahopadhyaya and Post-Sahitȳavisarada (B.A. Degree) courses. Principal—N. Gopala Pillai, M.A. 19 other Teachers.

SECOND GRADE COLLEGE

TRIVANDRUM, *University Intermediate College.* Principal—A. Venkitachalam Aiyar, M.A. 44 other teachers.

### Professional Colleges.

ERNAKULAM, *H.H. The Maharaja's Law College.* B.L. course. Principal—K. Narayanan, B.A., B.L. 8 other teachers.

KALAMASSERY, *Government Polytechnic.* Provides Dipl. courses in Automobile Engin., Chem. Engin., Food Technol. and Fisheries Technol. Principal—M. Varada Rao, B.Sc. (Eng.). 23 other Teachers.

TRICHUR, *Maharaja's Technological Institute.* Dipl. and Certif. courses in Civil, Mech. and Electr. Engin. Principal—K. C. Chacko, M.A., B.E. 26 other Teachers.

TRIVANDRUM, *College of Engineering.* Degree courses in Civil, Mech. and Electr. Engin. Principal—M. V. Kesava Rao, B.Sc., Ph.D. 30 other Teachers.

TRIVANDRUM, *H.H. The Maharaja's Training College.* B.T. Course. Principal—K. M. Mani, M.A. Camb., B.A., B.T. 13 other Teachers.

TRIVANDRUM, *Institute of Textile Technology.* Dipl. and Certif. courses in Textile Manufacture and Textile Chem. Principal—M. P. Gopalan Nair. 15 other teachers.

## COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

### Arts and Science Colleges.

FIRST GRADE COLLEGES

ALLEPPEY, *Sanatana Dharma College.* Provides pass courses in Econ., Hist., Maths., Bot., Zool. and Comm. Principal—V. Ramanathan, M.A., L.T. 51 other Teachers.

ALWAYE, *Union Christian College.* Provides pass courses in Hist., Philos., Econ., Maths. and Phys. Principal—T. B. Ninan, M.A. 37 other Teachers.

CHANGANACHERRY, *N.S.S Hindu College.* Provides pass courses in Hist., Econ. and Philos. Principal—G. Thomas, M.A. 41 other Teachers.

CHANGANACHERRY, *St. Berchman's College.* Provides pass courses in Econ., Hist., Maths., Phys., Chem., Bot. and Zool. Principal—Rev. Fr. P. C. Mathew, M.A., L.T. 77 other Teachers.

CHITTUR, *Government College.* Provides pass courses in Philos., Econ., Hist., Maths., Malayalam, Tamil and Comm. Principal—K. V. Krishna Iyer, M.A., L.T. Lond. 38 other Teachers.

ERNAKULAM, *Maharaja's College.* Provides pass courses in Hist., Econ., Maths., Phys., Chem., Bot., Zool., Malayalam and Hindi, Hons. courses in Econ., Maths. and Chem. and postgrad. course in Chem. Principal—P. Narayana Menon, M.A. 80 other Teachers.

KOTTAYAM, *C.M.S. College.* Provides pass courses in Hist. and Maths. Principal—P. C. Joseph, M.A. 42 other Teachers.

NAGERCOIL, *Scott Christian College.* Provides pass courses in Hist. and Maths. Principal—G. H. Marsden, M.A. 45 other Teachers.

PALAI, *St. Thomas College.* Provides pass courses in Maths. and Econ. Principal—Rev. Fr. Joseph Kuriathadam, M.A. 30 other Teachers.

PANDALAM, *N.S.S. College.* Provides pass courses in Econ., Hist. and Maths. Principal—K. R. Narayana Iyer, B.A., M.Sc. 36 other Teachers.

QUILON, *Fatima Mata National College.* Provides pass courses in Hist., Econ., Maths., Zool. and Comm. Principal—Rev. Fr. Mathew Kuttiath, M.A. 54 other Teachers.

QUILON, *Sree Narayana College.* Provides pass courses in Hist., Econ., Maths., Phys., Chem., Bot. and Zool. Principal—A. Rama Iyer, M.A. 69 other Teachers.

TRIVANDRUM, *Mahatma Gandhi College.* Provides pass courses in Econ., Hist., Comm., Maths. and Phys. Principal—P. K. Krishna Pillai, M.A. 67 other Teachers.

TRIVANDRUM, *Mar Ivanios College.* Provides pass course in Econ., Hist., Politics and Bot. Principal—N. A. Thomas, M.A., L.T., Ph.D., B.D. 45 other Teachers.

SECOND GRADE COLLEGES

CHANGANACHERRY, *Assumption College.* Principal—Rev. Fr. P. C. Mathew, M.A., L.T. 28 other Teachers.

KOZHENCHERRY, *St. Thomas College.* Principal—A. J. Cherian, M.A. 9 other Teachers.

MUVATTUPUZHA, *Nirmala College.* Principal—Rev. Fr. Thomas Nedumkallel, M.A., B.T. 12 other Teachers.

NAGERCOIL, *South Travancore Hindu College.* Principal—S. Sathiavageeswara Iyer, M.A. 30 other Teachers.

PATHANAMTHITTA, *Catholicate College.* Principal—Nicolas Zernov, M.A., D.Phil. Oxon. 18 other Teachers.

QUILON, *Sree Narayana College for Women.* Principal—E. K. Santha, M.A., L.T. 18 other Teachers.

TIRUVALLA, *Mar Thoma College.* Principal—K. E. Nainan, M.A. 22 other Teachers.

TRIVANDRUM, *N.S.S. College for Women.* Principal—C. Saradamma, M.A., L.T. 19 other Teachers.

**Professional Colleges.**

KOTTAYAM, *Mount Carmel Training College.* Principal—Sister Mary Fidelis, B.A., L.T. 4 other Teachers.

TRICHUR, *Government Training College.* B.T. course. Principal—T. Paul Varghese, B.A., M.Ed. Leeds, Dip.Edn. Leeds. 9 other Teachers.

TRIVANDRUM, *Ayurveda College.* Dipl. course in Ayurveda. Principal—V. K. Girijavallabha Menon. 17 other Teachers.

TRIVANDRUM, *Medical College.* Degree course in Med. Principal—J. Axel Hojer, M.D., Odont., Hon.D. Stockholm. 13 other Teachers.

## GENERAL INFORMATION

The University of Travancore was established under an Act promulgated by H.H. The Maharaja of Travancore on Nov. 1, 1937. The chief aims of the Univ. are to effect a reorganization of the system of educn. in the State with a view to the gradual development of Technical and Technological educn.; to make greater and more systematic provision for furtherance of original res. in the various branches of Appl. Sci., and to provide for conservation and promotion of Kerala Art and Culture.

The Senate, consisting of between 80 and 90 members, is the legislative body of the Univ. and has general control over the affairs, concerns and properties of the Univ., subject to the ultimate control of the Govt. In addition to the *ex-officio* members—the Vice-Chancellor, Dir. of Public Instruction, Deans of Facs. and Principals of Colls.—the Senate includes also representatives of registered grads. and of the Legislature and a certain no. of members nominated by the Chancellor. The Senate is to be reconstituted every 3 yrs. The Syndi-

cate, consisting of 12 members, forms executive body of Univ., and admin. of affairs of the Univ. and management of instns. maintained by Univ. are vested in the Syndicate. The other authorities of the University are Facs. and Bds. of Studies. At present there are 9 Facs.—Arts, Science, Oriental Studies and Fine Arts, Law, Educn., Technol., Comm., Ayurveda and Med. There are 27 Bds. of Studies.

INCOME (1951–52). Total receipts amounted to Rs. 42,51,446 (including grant by Govt. of India for Research work in Fishery Development Scheme of Rs. 2,00,000.

ADMISSION. Admission to Inter. course in Arts and Sci. is open to holders of the following :—English Sch. Leaving Certif. or Secondary Sch. Leaving Certifs. issued by Dir. of Public Instruction, Travancore-Cochin, who have been declared eligible for admission to a course of study in the Univ.; completed Secondary Sch. Leaving Certifs. issued under authority of Govts. of Madras and Hyderabad, and declared eligible by Madras Univ. for admission to Univ. course of study; Sr. Sch. Certif. (English) of Ceylon Educn. Depart., provided that the holder has passed the examn. obtaining full pass with credit in not less than 4 subjects; Higher Secondary Certif. with 1st or 2nd class, issued by Bd. of Secondary Educn., Hyderabad-Deccan; London Matricn. Examn. Certif.; Matric. Certif. of recognized Indian Univ.; Indian Army Special Certif. of Educn. or Higher Educn. Test Certif. of Indian Navy, or Matric. Test Certif. of I.A.F.; Oxon. and Camb. Sch. certifs. satisfying following conditions: (i) Pass in certif. examn. in Groups I, II and III satisfying requirements in total of 5 subjects, obtaining credit in not less than 4 subjects, of which at least 3 should be from following: Engl.; a lang. other than Engl.; Hist.; Geog.; Phys.; Chem.; Bot.; Biol.; Gen. Sci.; Phys. with Chem.; Maths.; (ii) the pass in 5 subjects and the 4 credits should be obtained at one sitting.

DEGREES AND DEGREE COURSES. B.A. and B.Sc. (Ord.), 2 yrs. after Inter. or 3 yrs. after Univ. Previous; B.A. and B.Sc. (Hons.), 3 yrs. after Inter. or Univ. Previous. Candidates for M.A. and M.Sc. must undergo prescribed courses of study for 2 yrs. after 1st degree. The M.Sc. is also awarded to grads. of recognized Univs. on result of res. work over 3 yrs.; non-grads., 4 yrs. The Ph.D. is awarded to M.A.s or M.Sc.s by examn. after 3 yrs.' res. and to M.Sc.s by res. after 2 yrs.' res. The D.Sc. and D.Litt. are awarded to Ph.D.s after 2 yrs.' res. The B.L. is awarded after 2 yrs. and the B.T. after 1 yr. of postgrad. study; B.Sc. (Eng.), 4 yrs. after Inter. or Univ. Previous; B.Com., 2 yrs. after Inter. Com.; M.B., B.S., 5½ yrs. after Inter.; B.A.M., 5 yrs. after Inter.

DIPLOMAS. Dipl. in Textile Manufacture and Textile Chem., each 3 yrs. after S.S.L.C. Dipls. in Civil, Mech. and Electr. Engin., each 4 yrs. after S.S.L.C. Dipl. in Polytechnic courses (Automobile Engin., Chem. Engin., Food Technol., Fisheries Technol.), each 4 yrs. after S.S.L.C. Dipl. in Shorthand and Typewriting, 2 yrs. after S.S.L.C.

ORIENTAL STUDIES. The following titles are awarded: Mahopadhyaya (Sanskrit), Sahitȳavisarada (Malayalam), Vidwan (Tamil), Vidwan (Hindi).

RESEARCH. To provide increased facilities for Res. in Appl. Sci., a Central Res. Inst. consisting of Water Analysis Section of Water Works Dept. and Res. Sections of Dept. of Agric. and Fisheries, Dept. of Industries and Dept. of Marine Biol. and Fisheries, was started under auspices of the Univ. in 1939. Programmes of Res. were also started under Univ. teachers in Univ. Coll. in the Depts. of Maths., Phys., Chem., Bot. and Zool. A Council of Res. was also

constituted. A Division of Mineral Survey and Res. has been organized. Schemes of Res. are undertaken in collaboration with Govt. depts. in the State and outside on an expenditure-sharing basis. The Research students work under the guidance of Officers in the Institute or in the Colleges under the University.

LANGUAGE OF INSTRUCTION AND EXAMINATION. English.

LIBRARIES. Univ. Library contains 44,732 books; Univ. Oriental MSS. Library, over 33,300 MSS. and 3000 printed books.

LABORATORIES. Phys., Chem., Bot. and Zool.

RESIDENCE. Students not living with their parents or guardians must live in approved hostels or lodgings. The Univ. maintains the following hostels: Univ. Hostel, Trivandrum (*Telephone*: 2732) (accomm. for 313 students); Coll. Hostel for Women, Trivandrum (*Telephone*: 2107) (80); Hostel Extension for Women, Trivandrum (168); Univ. Students' Hall, Trivandrum (50); Engineering Coll. Hostel, Trivandrum (26); Law Coll. Hostel, Ernakulam (79). There are other hostels recognized by the Univ.

NATIONAL CADET CORPS. The 1st Travancore Battalion. A Sr. Division of the N.C.C. has been inaugurated in the Univ. to provide for military training of Univ. students. The authorized strength of the Battalion is 10 N.C.C. officers and 315 cadets. O.C., Capt. K. R. Prathapachandran Nair.

MEDICAL INSPECTION AND PHYSICAL EDUCATION. Provision has been made for inspection by qualified med. officers of students in Jr. Inter. and Jr. B.A. and Jr. B.Sc. Classes. Phys. Educn. is compulsory for the Inter. course and the Colls. have qualified Phys. Instrs. Athletics have been provided for in all Colls. Univ. tennis stadium; stadium for field sports. Instruction in Yogic phys. culture.

STUDENTS' UNION. Univ. Union, Trivandrum. Hon. Treasurer: K. Bhaskaran Nair, D.Sc.

DEPARTMENT OF PUBLICATIONS. This dept. prepares new books of literary and scientific interest in Tamil and Malayalam.

PUBLICATIONS. *Calendar*: 2 pts. (Pt. I, Act, Statutes, Ordinances, etc.; Part II, Syllabus and Text Books; Part I, published once in 3 yrs.; Part II, published annually; *Administration Report* (annual); *Journal of Indian Hist.* (3 issues p.a.); Sanskrit Journal (quarterly).

## THE YEAR 1951–52

BENEFACTIONS. Rs. 10,50,379.

NEW COURSES. Dipl. courses in Automobile Engin., Chem. Engin., Food Technol. and Fisheries Technol.; 2-yr. Inter. course in Sanskrit in Sanskrit Coll., Trivandrum.

OTHER DEVELOPMENTS OF IMPORTANCE. (i) The Senate was reconstituted under Section 14(*b*) of the University Act, with effect from July 1, 1951. ii) Transfer of administrative control of the Polytechnic, Kalamassery, to the Univ., providing for Dipl. courses in Automobile Engin., Chem. Engin., Food Technol. and Fisheries Technol. (iii) Commencement of (*a*) M.B., B.S. course in the Medical Coll., Trivandrum, and provisional admission of the coll. to the privileges of the Univ.; (*b*) Diploma course in Ayurveda in the Govt. Ayurveda Coll., Trivandrum, and provisional admission of the coll. to the privileges of the Univ. (iv) Revival of Govt. Training Coll. at Trichur and its admission

to the privileges of the Univ. (v) Establishment of following new colls. with Junior Intermediate class: N.S.S. College for Women, Trivandrum; Sree Narayana College for Women, Quilon; Assumption College for Women, Changanacherry; Fatima Mata National College, Quilon.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 15 | 15,823 |
| Women | 2 | 4,068 |
| Total | 17 | 19,891 |

Postgraduate students, 863.
New Admissions, 7455.

DEGREES. B.A. (Pass), 495; B.A. (Hons.), 23; M.A., 21; B.T., 137; B.L., 116; B.Sc. (Pass), 498; B.Sc. (Hons.), 4; M.Sc., 24; B.Sc. (Eng.), 47.

[*Information compiled as at* 5/8/53.]

# UTKAL UNIVERSITY*

Founded 1943

*Postal Address*: Cuttack 3, Orissa, India.
*Telegrams*: University, Cuttack.
*Telephone* (Registrar): Cuttack 193.

CHANCELLOR—SAIYIED FAZL ALI.

PRO-CHANCELLOR—P. PARIJA, O.B.E., D.Sc., M.A. Camb., F.N.I.

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, M.A., Dip. in Ed.

## ADMITTED COLLEGES

BALASORE, *Fakir Mohan College* (founded 1944). (*Telephone*: Balasore 18.) B.A., I.Sc. Principal and Admin. Officer, D. Misra, M.A. Col., Ph.D. Teaching Staff—*Bot.*, L. M. Sircar, M.Sc.; *Chem.*, A. S. Mitra, M.Sc.; *Econ.*, J. K. Misra, M.A.; *English*, K. C. Deb, M.A.; *Hist.*, R. K. Das, M.A.; *Maths.*, B. Ray, M.A.; *Philos.*, H. L. Debnath, M.A.; *Phys.*, A. Bir, M.Sc.; *Sanskrit and Oriya*, S. Hota; *Zool.*, U. C. Panda, M.Sc. 13 other Lectrs.

BARIPADA (Mayurbhanj), *Maharaja Purna Chandra College* (1948). B.A., I.Sc. Principal and Admin. Officer, J. Mohanty, M.A. Teaching Staff—*Bot.*, S. N. Mitra, M.Sc.; *Chem.*, T. M. Patnaik, M.Sc.; *Econ.*, J. N. Dhar, M.A.; *English*, D. C. Kuanar, M.A.; *Hist.*, J. Mohanty, M.A.; *Maths.*, R. D. Bhargab, M.A.; *Phys.*, K. S. R. Murty, M.Sc.; *Sanskrit and Oriya*, R. M. Mahapatra, M.A.; *Zool.*, P. K. Das, M.Sc. 9 other Lectrs.

BERHAMPUR (GANJAM), *Khallkiote College* (1878). (*Telephone*: Berhampur 67.) B.A., B.Sc. Principal and Admin. Officer, N. Padhi, M.A., L.T. Teaching Staff—*Chem.*, P. V. Jagannadha Row, M.Sc., B.Ed.; *Econ.*, N. Padhi, M.A., L.T.; *English*, D. R. Panigrahi, M.A., B.Ed.; *Hist.*, M. Basiston, M.A.; *Maths.*, K. N. Sundaresan, B.A. And.; *Philos.*, C. Sitaramaiah, B.A. And.; *Phys.*, K. V. Iyer, B.A. Madr.; *Sanskrit and Oriya*, C. M. Das, M.A.; *Telugu*, P. A. Sastry. 12 other Lectrs.

BHADRAK (BALASORE), *Bhadrak College*. (1948.) B.A. Principal and Admin. Officer, A. K. Nandi, M.A. Teaching Staff—*Econ.*, P. K. Ghose, M.A.; *English*, M. Sarkar, M.A., B.L., B.T.; *Hist.*, S. K. Ray Choudhury, M.A.; *Logic*, A. K. Nandi, M.A.; *Maths.*, D. Mallick, M.Sc.; *Sanskrit*, P. N. Banerjee, M.A.; *Oriya*, G. B. Mohanty, M.A.; *Urdu*, Khawja Budiujjaman, M.A. 4 other Lectrs.

BOLANGIR (BOLANGIR PATNA), *Rajendra College* (1943). I.Com., B.A. Principal and Admin. Officer, ..... . Teaching Staff—*Comm.*, S. N. Jena, M.Com.; *Econ.*, R. C. Mohanty, M.A.; *English*, T. C. Nandi, M.A.; *Hist.*, B. C. Ray, M.A.; *Maths.*, M. K. Madikhaya, M.Sc.; *Oriya*, B. Raut, M.A.; *Philos.*, A. Manan, M.A.; *Sanskrit*, Pdt. S. Das Sharma. 5 other Lectrs.

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

CUTTACK, *Christ College* (1944). (*Telephone*: Cuttack 213.) B.A. Principal and Admin. Officer, A. B. Mohanty, M.A., B.L. Teaching Staff—*Econ.*, V. Subhramanyan, M.A.; *English*, B. Mohanty, M.A., B.L.; *Hist.*, R. M. Sahoo, M.A.; *Maths.*, M. N. Ray, M.A.; *Oriya*, S. Das, M.A., Dip. in Edn.; *Philos.*, S. R. Mukherjee, M.A.; *Sanskrit*, Pdt. B. Acharya. 4 other Lectrs.

CUTTACK, *Madhusudan Law College of the Utkal University* (transferred to Univ. by Govt. in 1949). LL.B. Prof. of *Law*, K. Satyanarayan Murthy, B.A., M.L. 6 pt.-time Lectrs.

CUTTACK, *Radhanath Training College* (1923). (*Telephone*: Cuttack 275.) Dip. in Edn. Principal and Admin. Officer, B. N. Rath, M.A. Lond. 2 other Lectrs.

CUTTACK, *Ravenshaw College* (1868). (*Telephone*: Cuttack 56.) Inter. Arts and Sci., B.A. and B.Sc. (Pass and Hons.), M.A., M.Sc. Principal and Admin. Officer, G. B. Banerjea, 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.*, S. S. Guha Sarkar, D.Sc. Lond., D.I.C.; *Econ.*, S. Misra, M.A., Ph.D. Lond.; *Educn.*, G. K. Mohanty, M.A., Dip. in Edn. Brist.; *English*, B. B. Das, M.A. Patna, A.M. Col., B.Litt. Oxon.; *Geog.*, M. M. Hasan, M.A., M.Ed.; *Hist.*, G. S. Das, B.A. Lond.; *Maths.*, R. N. Mohanty, M.Sc., Ph.D.; *Oriya and Sanskrit*, K. K. Kar, M.A., D.Litt.; *Philos.*, D. N. Dutta, M.A.; *Phys.*, A. K. Dutta, D.Sc. Dacca; *Urdu and Persian*, A. Ali, M.A., Dip. in Edn.; *Zool.*, R. N. Mukherjee, M.Sc., Ph.D. 82 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 Uma Ray, M.A.; *Sanskrit*, Miss Sova Ray, M.A. 6 other Lectrs.

CUTTACK, *Sri Ramchandra Bhanj Medical College* (1949). (*Telephone*: Cuttack 239.) M.B., B.S. Principal and Admin. Officer, S. C. Das, M.B., Ph.D., F.R.C.S.Ed. Teaching Staff—*Anat.*, R. K. Mohanty, M.B., B.S., B.Sc. Tor.; *Biochem.*, K. Subrahmanya, M.Sc.; *Med.*, R. N. Sahu, M.B., B.S. Patna, D.C.H. Lond.; *Ophthalmol.*, M. C. Misra, M.B., B.S., D.O.M.S. Lond.; *Obstet. and Gynæcol.*, Miss J. Dei, M.B., B.S.; *Pathol.*, ..... ; *Physiol.*, S. M. Banerjee, M.Sc., M.D. Calc.; *Surg.*, G. S. Das Mahapatra, F.R.C.S.Ed.; *Clin. Surg.*, ..... . 34 other Profs. and Asst. Profs. and Lectrs.

CUTTACK, *Stewart Science College* (1944). (*Telephone*: Cuttack 268.) I.Sc. Principal and Admin. Officer, Rev. E. G. Collins, B.D., T.C. Camb. Teaching Staff—*Chem.*, S. K. Mukherjee, M.Sc., B.L.; *English*, O. Paul, M.A., M.Ed.; *Maths.*, S. M. Das, M.Sc.; *Phys.*, K. N. Ghosal, M.Sc.; *Oriya*, R. N. Dasjew, M.A. 4 other Lectrs.

JAJPUR (CUTTACK), *Narsingha Choudhury College* (1946). I.A. Principal and Admin. Officer, K. B. Pattanaik, M.A., B.L. Teaching Staff—*English*, K. B. Pattanaik, M.A., B.L.; *Econ.*, B. C. Guha, M.A.; *Logic*, N. C. Goswami, M.A.; *Maths.*, Miss Usha Roy, M.A.; *Oriya and Sanskrit*, J. Rath, B.O.L.

JEYPORE (KORAPUT), *Vikram Deb College* (1947). I.A., I.Sc. Principal and Admin. Officer, D. Patnaik, M.Sc., Ph.D. Camb. Teaching Staff—*Bot.*, K. L. Parthasarathi, M.Sc.; *Chem.*, D. Patnaik, M.Sc., Ph.D. Camb.; *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.*, G. S. Ghosh, M.Sc. 2 other Lectrs.

PARLAKIMEDI (GANJAM), *Sri Krishna Chandra Gajapati College* (1886). B.A. and I.Sc. Principal and Admin. Officer, G. B. Singh, M.A. Camb. Teaching Staff—*Agric.*, S. C. Rakshit, M.Sc. Ban.; *Bot.*, C. N. B. Sankar, M.A.; *Chem.*, C. S. Murty, M.Sc., B.Ed.; *Econ.*, S. V. Ramaya, M.A.; *English*, T. Krishna Murty, M.A.; *Hist.*, G. B. Singh, M.A. Camb.; *Maths.*, P. V. L. Narasing Rao, M.A., L.T.; *Oriya*, R. K. Ray, M.A., Dip.Ed.; *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.*, M. N. Das, M.A.; *Maths.*, B. C. Das, B.A. Lond.; *Oriya*, K. C. Misra, M.A.; *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. S. Nath, M.Sc.; *Comm.*, P. C. Ray, M.A. (Com.); *Econ.*, N. Mahapatra, M.A.; *English*, S. Sahu, M.A.; *Maths.*, S. P. Misra, M.Sc.; *Oriya and Sanskrit*, 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., 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. 198 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 also a Teaching Dept. of Mod. European Langs. (French and German) which prepares students for a Dipl. course in French and German. Lectr.-in-charge: P. Sinha Ray, M.A.

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; and the *Matriculation Bd.* Other statutory bodies are the *Boards of Studies* and *Faculties*.

FACULTIES AND DEANS. *Arts*, A. B. Mohanty ; *Commerce*, S. Misra, M.A., Ph.D. Lond. ; *Education*, B. N. Rath, M.A. Lond. ; *Law*, C. M. Acharyya, M.A., LL.B. ; *Medicine*, Lt.-Col. P. Papatla ; *Science*, Dr. B. Prasad.

ADMISSION to Univ. Inter. courses is by Matriculation examn. of the Univ.; or by one of the following examns. recognized as equivalent thereto : Matricn. Examn., or equivalent, of any Univ. in India constituted by an Act of Provincial or Central Legislature ; S.S.L.C. Examn. conducted by Madras S.S.L.C. Bd. ; Examn. for Indian Army Spec. Certif. of Educn. ; Indian Air Force Matricn. Test ; Higher Educn. Test of Indian Navy ; Sr. Sch. Certif. Examn. of Govt. of Ceylon ; Sr. Cambridge Sch. Certif. Examn. ; High Sch. Examn. of Bd. of Sec. Educn., Madhya Bharat, Gwalior ; S.S.L.C. Examn. of Sec. Educn. Bd., Mysore ; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Rajputana ; Bombay Sec. Sch. Certif. Examn. of Sec. Sch. Certif. Examn. Bd. of Govt. of Bombay ; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Uttar Pradesh, Allahabad ; Vidya Vinodini Examn. with advanced English and Maths. of Prayag Mahila Vidyapitha, Allahabad ; High Sch. Examn. of Central Bd. of Sec. Educn., Ajmer.

LIBRARY. 9428 vols., 1250 periodicals, 1100 calendars, prospectuses, etc., of other Univs., 699 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, ETC. Dipl. in Education (1 yr.) ; Dipl. in Mod. European Langs. (French and German) (2 yrs.). Certif. in Mod. European Langs. (French and German) (1 yr.).

COLLEGE FEES (per month). Inter. (Arts and Comm.), Rs. 8 ; Inter. (Sci.), Rs. 9 ; B.A. (Pass), Rs. 9 ; B.A. (Hons.), Rs. 10 ; B.Sc. (Pass), Rs. 10 ; B.Sc. (Hons.), Rs. 11 ; B.Com., Rs. 9 ; LL.B. (Part I), Rs. 14 ; LL.B. (Part II), Rs. 14 ; M.A., Rs. 12 ; M.Sc., Rs. 14 ; Dip. and Certif. in French and German, Rs. 5 per subject.

The usual LANGUAGE OF INSTRUCTION in Univ. courses is English.

RESIDENCE. There are 25 hostels, providing accomm. for 1859 men and 84 women. Fees vary according to hostel. There are also 2 hostels for M.S. Law Coll. with accomm. for 80 students. Both hostels are directly under the control and management of the Univ.

ATHLETIC FACILITIES. Inter.-Collegiate games and sports are organized by a Cttee. apptd. by the Syndicate.

STUDENTS' INFORMATION BUREAU, Cuttack, 3. Sec., R. N. Nath, Ph.D. Lond.

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. *Calendar* ; Examn. *Syllabuses* ; Annual *Reports* ; *Text Books* for various examns.

UNIVERSITY PRESS. In 1949 the Maharaja of Mayurbhanj gifted the entire Mayurbhanj State Press and Press bldg. to the Univ. The Press is managed by a Cttee. constituted by the Syndicate and is now located at Cuttack.

## THE YEAR 1951–52

BENEFACTIONS. Govt. grant, Rs. 65,000; Endowments, Rs. 31,781; Donations, Rs. 45,713.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 473 | 5087 |
| Women | 5 | 463 |
| Total | 478 | 5550 |

Postgraduate students, 190.

DEGREES (1952). B.A. (Pass), 390; B.A. (Hons.), 53; M.A., 32; B.Com., 25; LL.B., 123; M.B., B.S., 33; B.Sc. (Pass), 123; B.Sc. (Hons.), 34; M.Sc., 16; B.O.L., 1.

DIPLOMAS (1952). Educn., 81; French Lang., 3; German Lang., 2.

[*Information compiled as at* 20/6/53.]

# VISVA-BHARATI

Established 1921; incorporated as a Central University, 1951

*Postal Address*: P.O. Santiniketan, District Birbhum, West Bengal, India.
*Telegrams*: Visvabharati, Santiniketan.
*Telephone*: Bolpur 21 and 22.

CHANCELLOR—Prime Minister JAWAHARLAL NEHRU.

VICE-CHANCELLOR—RATHINDRANATH TAGORE, B.Sc. Ill.

TREASURER—NRIPENDRA CHANDRA MITRA.

REGISTRAR—NISHIKANTA SEN, M.A.

## COLLEGES AND INSTITUTES

CHEENA-BHAVANA. Principal—Tan Yun-Shan.

GRANTHANA-VIBHAGA. Director—Charuchandra Bhattacharya, M.A.

HINDI-BHAVANA. Offg. Principal—Mohanlal Bajpai, M.A.

KALA-BHAVANA. Principal—Surendranath Kar.

PALLI-SAMGATHANA VIBHAGA. Director—Dhirananda Roy.

PATHA-BHAVANA. Principal—Gopal K. Chatterji, M.Ed.

SANGITA-BHAVANA. Principal—Sailajaranjan Majumdar, M.Sc.

SIKSHA-BHAVANA. Principal—Anil Kumar Chanda, B.Sc. (Econ.) Lond.

VIDYA-BHAVANA. Principal—Prabodhchandra Bagchi, D. ès L. Paris, M.A.

VINAYA-BHAVANA. Principal—Kulada Prasad Chaudhuri, M.A. Lond.

## GENERAL INFORMATION

The aims of the Univ. are to study the mind of Man in its realization of different aspects of truth from diverse points of view; to bring into closer relationship with one another, through study and research, the different cultures of the East on the basis of their underlying unity; to approach the West from the standpoint of such a unity of the life and thought of Asia; to seek to realize in a common fellowship of study the meeting of the East and the West, and thus ultimately to strengthen the fundamental conditions of world peace through the establishment of free communication of ideas between the two hemispheres; and with such ideals in view, to provide at Santiniketan a cultural centre where research into and study of the religion, lit., hist., sci. and art of Hindu, Buddhist, Jain, Islamic, Sikh, Christian and other civilizations may be pursued along with the culture of the West, with that simplicity in externals which is necessary for true spiritual realization, in amity, good fellowship and co-operation between the thinkers and scholars of both Eastern and Western countries, free from all antagonisms of race, nationality, creed or caste.

HISTORY. Visva-Bharati grew out of Santiniketan Asrama founded in 1863 by Maharshi Devendranath Tagore. The Asrama was meant to be a retreat

where seekers after truth might come and meditate in peace and seclusion. In 1901 an experimental school was started at Santiniketan by Rabindranath Tagore with the object of providing for a limited number of children an education which would not be divorced from Nature, where the pupils could feel themselves to be members of a large community. Since 1921 Santiniketan has been the seat of Visva-Bharati, which was incorporated as a Univ. by Act XXIX (1951) of the Indian Parliament. Visva-Bharati is an all-India institution with students and teachers drawn from all over India, with a proportion of teachers, students and visitors from abroad. Students live a communal life.

In addition to the Central General Library (containing about 100,000 vols.), there are sectional libraries attached to various depts. The Univ. has its own Hospl. with a Medical Officer and his assts. Sick-rooms at the women's hostel. Men have sep. hostels attached to various depts., while women students have a common hostel called Sri-Sadana.

Besides the academic institutions mentioned below, the Univ. conducts 2 Depts.: one for Rural Reconstruction and the other for publication of books of educational and cultural interest. The Palli-Samgathana Vibhaga (Rural Reconstruction Institute) at Sriniketan is concerned mainly with a comprehensive study of the problems of rural life in its social, cultural, economic and other aspects and extension work in the villages on the basis of such a study. The Institute maintains a model primary school for rural children, a teachers' training school for serving primary education in rural areas, as well as an agency for propagation of folk education and social education. There is a section for rural industries where training is provided to apprentices in a variety of crafts.

COLLEGES AND INSTITUTIONS. Visva-Bharati maintains the following Colls. and Institutions, which are all co-educational and residential:

*Patha-Bhavana* (School Section) provides instrucn. for Matriculn. Examn. Medium of instrucn.: Bengali.

*Siksha-Bhavana* (Coll. Section) provides instrucn. for I.A. and I.Sc. examns. and B.A. Pass and Hons. Hons. subjects: Engl., Econ., Hist., Philos., Sanskrit, Bengali and Hindi. Tutorial help, emphasis on social, cultural, literary and other extra-curricular activities are some of the distinguishing features of the Coll. The medium of instrucn., as also in the following sr. sections, is English.

*Vidya-Bhavana* (Coll. of Postgrad. Studies and Res.) is mainly concerned with Indological Studies in Vedic, Puranic, Buddhist, Jain, Zoroastrian and Islamic cultures and in major langs. and lits. of India. It offers a 2-yr. degree course for Ph.D. in any subject in which instrucn. is provided. It also offers a 2-yr. M.A. course in the following subjects: Anc. Indian Hist. and Culture; Sanskrit Lit.; Bengali Lang. and Lit.; Bengali Lit. with sp. ref. to the work of Rabindranath Tagore; Hindi Lang. and Lit.; Oriya Lang. and Lit.; and Urdu Lang. and Lit. Hons. grads. of recognized Univs. are ordinarily admitted to the M.A. course. Pass grads. of recognized Univs. are also exceptionally admitted on passing an admission test. M.A. courses consist of lectures, seminar work, as well as training in the methodology of higher studies and res. 2-yr. certif. course (for postgrad. and undergrad. students) in Foreign Langs., viz., French, German and Persian; followed by a further 1-yr. dipl. course in the same langs.

*Vinaya-Bhavana* (Coll. of Teaching) provides a 1-yr. course for degree of B.T. A sp. feature is the trng. given in craft and other creative activities in

addition to theoretical subjects. There is also a 3-month Cert. course in Activity Educn. B.T. grads. of Visva-Bharati, grads. with recognized trng. in Basic Educn. or with at least 3 yrs.' experience in Basic Educn., or holders of recognized dipl. in Arts or Crafts, are eligible for admission to this short course.

*Cheena-Bhavana* (Inst. of Sino-Indian Studies and Res.) seeks to revive the old cultural links between India and China. Sinol. and Tibetan Studies form the main work of this Section. It provides for a 2-yr. course for a Certif. of Proficiency in Chinese, followed by a 3-yr. Dipl. course in the same lang. The courses are open to students of postgrad. and undergrad. classes of Visva-Bharati, staff-members of Visva-Bharati, students preparing for the Foreign and Defence Services or any other person recommended by the Principal of a constituent coll. of Visva-Bharati.

*Kala-Bhavana* (Coll. of Fine Arts and Crafts) owes its inspiration to the artistic renaissance in Bengal under the guiding spirit of Acharya Abanindranath Tagore. Trng. is provided in Drawing, Painting, Modelling, Sculpture, Etching, Wood- and Lino-cut, Fresco-painting and Design-drawing, Embroidery, Batique and Artistic Leather-work. It maintains a museum, a library and an exhibition hall.

*Sangita-Bhavana* (Coll. of Music and Dance) imparts trng. in Indian Music, classical and modern, vocal as well as instrumental. A systematic study is made of Northern (Manipuri) and Southern (Kathakali) styles of Dance. Sp. facilities for study of songs of Rabindranath Tagore.

Both Kala-Bhavana and Sangita-Bhavana offer 4-yr. diploma courses to matriculates only. Non-matriculates are accepted for admission to Dipl. courses provided they pass an admission test conducted by the Principal of the Bhavana concerned. After passing the dipl. examn., able students may be admitted to a 1-yr. specialized course leading to a Bachelor's degree in Fine Arts, Music or Dancing. Both the Bhavanas provide also for a 2-yr. certif. course in a specific subject included in the programme of studies of the Bhavana concerned.

*Hindi-Bhavana* (Inst. of Hindi Studies and Res.) organizes teaching of Hindi in the other constituent institutions, in addition to undertaking original res. in Hindi Lang. and Lit.

Univ. area occupies over 11 sq. miles. Main bldgs. of the Univ. comprise Central General Library, Vidya-Bhavana, Kala-Bhavana, Sangita-Bhavana, School, Vinaya-Bhavana, Siksha-Bhavana, Rural Reconstrucn. Inst. bldgs. at Sriniketan, Hindi-Bhavana, Cheena-Bhavana, Dinabandhu-Bhavana, Ratan Kuthi, Guest House and New Guest House, Lab., Refectory, newly built Stage, Sinha-Sadana Lecture Hall, Students' Hostels, including Sri-Sadana (women's hostel), Karma-Sachiva's (Registrar) Offices, Vinaya-Bhavana Colony bldgs. Staff quarters at Santiniketan, Sriniketan and Vinaya Palli, etc. Agricultural Farm attached to Rural Reconstrucn. Dept.

UNIVERSITY AUTHORITIES. *Samsad* (Court), supreme governing body of Univ.; *Karma-Samiti* (Executive Council), Univ. executive body; *Siksha-Samiti* (Academic Council), which deals with academic matters only.

FEES. Annual fees: Rs. 300, inclusive of charges for tuition, medical help, sports and library, and accomm. and supervision in a hostel. Refectory charges: Rs. 45 p.m., during term time only. Admission fee: about Rs. 25.

TERMS, ETC. Academic session for sr. depts. begins in July and school session in Jan. Terms: July to Oct.; Nov. to April. Univ. examns. usually held at end of April.

UNIVERSITY PRESS. Univ. Press at Santiniketan prints various publicns. under the imprimatur of Visva-Bharati.

PUBLICATIONS. The Univ.'s Publicn. Dept. (Granthana-Vibhaga) has its H.Q. in Calcutta. This Dept. owns the copyright of the Bengali works of Rabindranath Tagore. Its publicns. may be classified as follows : (i) Writings of Rabindranath Tagore ; (ii) Series of books for folk educn. ; (iii) Series of general knowledge books ; (iv) Res. publicns. under auspices of Vidya-Bhavana Res. Dept., including *Visva-Bharati Studies* and *Visva-Bharati Annals* ; (v) School text-books ; (vi) Univ. *Bulletins, Pamphlets, Visva-Bharati News*. Cultural organs : *Visva-Bharati Quarterly* and *Visva-Bharati News* in English, *Visva-Bharati Patrika* in Bengali.

## THE YEAR 1951–52

BENEFACTIONS. Govt. of India (Capital Grant), Rs. 2,80,000 ; Govt. of India (Recurring Grant), Rs. 4,50,000 ; other Govts. (Recurring Grant), Rs. 1,26,500 ; other Govts. (Capital Grant), Rs. 39,543 ; other Govts. and Local Bodies (Non-Recurring Grant), Rs. 76,090 ; Donations, Rs. 13,940.

HONORARY DEGREES (1952). *Desikottama* (*D.Litt.*)—Mrs. Eleanor Roosevelt ; Kshitimohan Sen ; Nandalal Bose.

STUDENT NUMBERS. Resident scholars, 382 ; day scholars, 342. Total : 724.

DEGREES. B.A. Pass, 5 ; B.A. Hons., 9 ; B.T., 12.

[*Information compiled as at* 11/8/53.]

# INDIAN INSTITUTE OF SCIENCE

Founded 1911

*Postal Address*: Bangalore 3, India.
*Telegrams*: Science, Bangalore.
*Telephone*: Bangalore 2022.

VISITOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHAIRMAN OF THE GOVERNING COUNCIL—Sir VITHAL N. CHANDAVARKAR, M.A.

DIRECTOR—Professor M. S. THACKER, B.Sc. (Eng.) Brist.

REGISTRAR—A. G. PAI, M.A. Camb.

LIBRARIAN—B. V. RAGHAVENDRA RAO, D.Sc. Madr.

## TEACHING STAFF

*Biochemistry*

Giri, K. V., D.Sc. Calc., F.R.I.C. Prof. and Hd. of Dept.
Cama, H. R., B.A., M.Sc. Bom., Ph.D. Liv. (Food. Technol.) Asst. Prof.
..... Asst. Prof.

Lecturers

Subramaniam, M. K., D.Sc. Madr. (Cytogenetics).
Narasimha Rao, P. L., M.Sc. Annam., Ph.D. Bom. (Antibiotics).
Pillai, S. C., Ph.D. Madr.
Rajagopalan, R., B.Sc. Rangoon, Ph.D. Bom., F.R.I.C.
5 Res. Assts.

*Chemistry, General*

Krishnaswami, K. R., D.Sc. Lond., F.R.I.C., F.N.I. Nizam Prof. and Hd. of Dept.
..... (Phys. Chem.) Prof.
Aswatha Narayana Rao, M. R., D.Sc. Madr., F.R.I.C. (Gen. and Phys. Chem.) Asst. Prof.

Lecturers

Rama Char, T. L., M.Sc., Ph.D. Dacca, F.R.I.C. (Electro-Chem.).
Patel, C. C., M.Sc., Ph.D. Bom. (Inorg. C.).
Subramanya, R. S., M.Sc. Mys. (Appl. C.).
.....
4 Res. Assts.

*Chemistry, Organic*

..... Prof.
Iyer, B. H., M.Sc., Ph.D. Bom., F.R.I.C. Asst. Prof.
Dev, S., Ph.D. Lectr.
..... (Terpene C.) Lectr.
3 Res. Assts.

*Economics and Social Sciences*

Sastry, N. S. N., M.A., D.Litt. Mys. (Social Scis.) Asst. Prof. and Dir.
Munshi, M. C., M.A., D.Litt. Bom. (Industrial Econ.) Asst. Prof.
2 Res. Assts.

*Engineering, Aeronautical*

Tietjens, O. G., D.Phil. Gött. Prof. and Hd. of Dept.

Joga Rao, C. V., B.Sc. (Eng.) Ban., M.S. Stanford (Structures) Asst. Prof.
Dhawan, S., Ph.D. Cal. Tech., B.Sc. (Engg.), M.A. Panj., M.S. Minn. Sr. Scientific Officer.

Lecturers

Krishnaswamy, T. N., B.E. Mys. (Design).
.....
Srinivasa Row, P., M.Sc. Calc. (Instruments).
Das, A.
Ramachandra, S. M., B.E. Mys.
.....
.....
.....
1 Tech. Asst., 1 Res. Asst.

*Engin., Civil and Hydraulic*

Govinda Rao, N. S., B.E. Mys. Prof.
Seetharamiah, K., B.E. Mys. (Hydraulics) Asst. Prof.
Janaki Ram, G., B.A. Madr., B.Sc. (Engg.) Ban. (Structr. Engin.) Asst. Prof.
Nagaraj, C. N., B.Sc., B.E. Mys. Lectr.
2 Res. Assts.

*Engineering, Electrical*

Ghosh, C. S., M.Sc. Calc., S.M. M.I.T. Prof.
Ramachandra Rao, H. N., M.Sc. Calc. (Transmission and Distribution) Asst. Prof.
Narayana Iyengar, B. N., B.Sc. Mys. (Electr. E. Design) Asst. Prof.
Venkata Rao, P., M.Sc. And. Lectr.
Narayanan, M. S. T., B.E. Mys. Lectr.
Vithayathil, J., B.Sc. Trav. and Lond. Lectr.
..... Lectr.
..... Lectr.
1 Tech. Asst., 3 Res. Assts.

*Engineering, Electrical Communication*

Sreenivasan, K., B.Sc. Mys. Prof. and Hd. of Dept.
Ramakrishna, B. S., B.Sc. And., M.Sc. Ban., Ph.D. Chic. (Acoustics) Asst. Prof.
Chatterji, S. K., M.Sc. Calc. Asst. Prof.
Chatterji, Mrs. R. Asst. Prof.
Narayana Rao, V., M.Sc. (Tech.) Manc., M.Sc. Mys. (Radar) Lectr.
Krishnan Nair, K., M.Sc. Trav. (Line) Lectr.
..... Lectr.
3 Res. Assts.

*Engineering, Internal Combustion*

Havemann, H. A., Dr.Ing. Brunswick Prof. and Hd. of Dept.
Krishnamurthy Rao, M. R., B.E. Mys. Asst. Prof.
Mahadevan, K., B.E. Madr. Lectr.
Sreenath, A. V., B.E. Mys. Lectr.
..... (Gas Turbines) Lectr.
5 Res. Assts.

*Engineering, Power*

..... Prof. and Hd. of Dept.

*High Voltage Engin.*

Pfestorf, G. K. M., Dr.Phil. Jena Prof.
Badkas, D. J., M.Sc. Nag. Asst. Prof.
Gopalakrishna, H. V., B.Sc., B.E. Mys. Lectr.
Narayan, N., B.E. Mys. Lectr.
1 Res. Asst.

*Mechanical Engin.*

..... Prof.
Ramachandran, A., B.E. Madr., M.S., Ph.D. Purdue (Thermal) Asst. Prof.
Narayana Murthy, R. G., B.E. Madr., D.I.C. (Plant) Asst. Prof.
Srinivasan, P., B.Sc., B.E. Mys. Lectr.

Thirunarayanan, M. A., B.Sc. Madr., B.E. Mys. Lectr.
..... Lectr.
1 Tech. Asst., 2 Res. Assts.

*Fermentation Technology*

Bhat, J. V., Ph.D. Bom. Asst. Prof.
1 Res. Asst.

*Mathematics, Applied*

..... Asst. Prof.
..... Lectr.
..... Lectr.

*Metallurgy*

Prakash, B., M.Sc., Ph.D. Panj., Sc.D. M.I.T. Prof. and Hd. of Dept.
Ramachandran, E. G., M.Sc. Mys., Ph.D. Sheff. Asst. Prof.

Lecturers

Balachandra, J., B.Sc., B.E. Mys. (Electro-Metall.).
Srinavasan, N. R., M.Sc., Ph.D. Agra (Mineral Chem. and Ore Dressing).
Bhattacharyya, D. L., M.Sc. Calc. (Electron Phys.).
Deshpande, R. C., B.Sc., B.Sc. (Tech.) Bom., Ph.D.
4 Res. Assts.

*Modern European Languages*

Graefe, W., Ph.D. Leipzig Lectr.

*Pharmacology*

Sirsi, M., M.B., B.S. Mys. Asst. Prof.
Wadhwani, T. K., B.Pharm. Ban.
2 Res. Assts.

*Physics*

Krishnan, R. S., M.A., D.Sc. Madr., Ph.D. Camb., F.N.I. Prof. and Hd. of Dept.
Ramaseshan, S., D.Sc. Nag. Asst. Prof.
Narayanan, P. S., M.A., M.Sc., Ph.D. Madr. Lectr.
..... Lectr.
3 Res. Assts.

*Technology, Chemical, and Engineering, Chemical*

..... Prof. and Hd. of Dept.
Ghosh, S. S., M.Sc., D.Phil. Calc. Asst. Prof.
Dutta, R. L., M.Sc. Dacca, Ph.D. Lond., D.I.C. Lectr.
..... Lectr.
..... Lectr.
2 Res. Assts.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: S. S. Prabhu, B.A., B.L. Madr. Hd. Accountant: A. Rangarajan, B.Sc. Madr. Internal Auditor: P. Sambat Iyengar, B.A. Madr. Hon. Consulting Med. Officer: M. N. Mahadevan, M.B., B.S., D.T.M. Resident Med. Officer: T. B. Subba Rao. Hon. Warden, Women's Hostel: Mrs. A. G. Pai, B.A. Madr. Warden: N. Kunchithapadam, M.A. Madr. Hon. Horticultural Adviser: B. S. Nirody, M.Sc. Mass. Engineer-in-charge Roads and Bldgs.: V. S. Ramacharya, B.E. Mys.

## GENERAL INFORMATION

The objects of the Inst. are (i) to provide for advanced instruction and to conduct original investigations in all branches of knowledge and in particular in such branches as are likely to promote the material and industrial welfare of India, (ii) to establish and maintain Chairs and Lectureships in Science, Arts and Technol., (iii) to provide suitable libraries, labs. and equipment, (iv) to co-operate as far as possible with such recognized instns. as exist or may be founded in future for cognate objects in India.

LIBRARY. 47,625 vols.

TERMS. July-Sept., Oct.-Dec., Jan.-March.

COURSES. Associateships (A.I.I.Sc.) equiv. to a first-class M.Sc. are awarded, on the recommendation of the Senate, for 5 terms devoted entirely to res. work. Memberships (M.I.I.Sc.) equiv. to Ph.D. are awarded, on the recommendation of the Senate, to Associates, Dipl. holders of the Inst. in Power Engin., or holders of a 1st-class M.Sc. or an M.Sc. by research, for 3 terms of res. work at the Inst. Fellowships (F.I.I.Sc.) equiv. to D.Sc. are awarded to members with 3 yrs. of res. work at the Inst. or in practice and to Associates with 4 yrs. of res. work at the Inst. or in practice, who can produce evidence of having performed original and valuable res. work or having otherwise made an outstanding contribution to the advancement of scientific or industrial knowledge. Dipls. (D.I.I.Sc.) are granted to students who satisfactorily complete the approved course of study. 319 Associateships, 8 Fellowships, 6 Hon. Fellowships and 809 Certifs. or Dipls. have been granted.

Facilities for research exist in most departments.

FEES. Rs. 180 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.

INSTRUCTION IN FOREIGN LANGUAGES, ETC. Classes in French and German are held to assist students to acquire a working knowledge of these langs. and especially to enable them to read the technical lit. available in the library. Instruction in Econ. and Soc. Scis. is also provided.

RESIDENCE. Students must reside in one of the hostels situated on the campus of the Inst. Accomm. available for about 420 students. Sep. accomm. provided for women students. Room rent: Rs. 12·8 p.m. per person for single rooms and Rs. 10 p.m. per person for shared rooms.

RECREATION. A Gymkhana provides recreation and social amenities for students and staff. Attached thereto are the Ranade Reading Room and Library, a Gymnasium, a Swimming Club and a Rifle Club. The Gymkhana also conducts musical and rhetoric socs. and publishes a Magazine once a year.

NATIONAL CADET CORPS. There is an Electrical and Mechanical Engineers Wing of the N.C.C. C.O.: Capt. S. Mishra, M.Sc. Alld., M.E.E. Brooklyn.

PUBLICATION. *Journal* of the Institute.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 5 | 313 |
| Women | .. | 12 |
| Total | 5 | 325 |

# CEYLON

[*Information compiled as at* 1/6/53.]

# UNIVERSITY OF CEYLON*

Founded 1942

*Postal Address*: Peradeniya, Ceylon.
*Telegrams*: University, Colombo.
*Telephone*: Colombo 8349.

CHANCELLOR—H.E. THE GOVERNOR-GENERAL.

PRO-CHANCELLOR—THE MINISTER OF EDUCATION.

VICE-CHANCELLOR—Sir IVOR JENNINGS, Q.C., M.A., Litt.D. Camb., LL.D. Lond. and Brist.

REGISTRAR—H. J. BALMOND, B.A. Lond.

ASSISTANT REGISTRARS—B. C. ANGHIE, B.A. Lond.; W. F. ABEYAKOON; W. A. JAYAWARDENA, M.A.

LIBRARIAN—S. C. BLOK, B.A. Lond., F.L.A.

## TEACHING STAFF

*Agriculture*

McRostie, P. G.
Prof. and Hd. of Dept.
Livera, E. J., B.Sc. (Agr.) Lond.
Lectr.
Aiyar, S. P., B.A. Madr., Ph.D. Lond.
Lectr.
Baptist, B. A., Ph.D.
Lectr.
Seneviratne, S. T., B.Sc. (Ag.)
Asst. Lectr.
Kalpage, F. S. C., B.Sc.
Asst. Lectr.

*Anatomy*, v. Medicine

*Arabic*

. . . . . Lectr and Hd. of Dept.

*Botany*

Lecturers

de Silva, B. L. T., M.Sc. Lond.
Actg. Hd. of Dept.
Abeywickreme, B. A., B.Sc. Lond., Ph.D. Camb.
Dissanayake, M. D., B.Sc.
Tambiah, M. S., B.Sc., Ph.D.

*Chemistry*

Fonseka, E. L., M.Sc., Ph.D. Lond.
Prof. and Hd. of Dept.

Lecturers

de Silva, C. L., B.Sc. Lond.
Sultan Bawa, M. U., B.Sc. Lond., Ph.D.
Ludekens, W. L. W., B.Sc., Ph.D.
Devanathan, M. A. V., B.Sc., Ph.D.

Assistant Lecturers

Chanmugam, J., B.Sc.
Siriwardena, P. P. G. L., B.Sc.
Wannigama, G. P., B.Sc.

*Classics*

Rodrigo, J. L. C., B.A. Lond., M.A. Oxon.
Prof. and Hd. of Dept.

Lecturers

Amerasinghe, C. W., B.A. Lond., M.A. Camb.
Wickremanayake, G. H., B.A. Lond. and Oxon.
Pathmanathan, R., B.A. Oxon. and Ceyl.

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

*Economics*

..... Prof.

Lecturers

Jayasuriya, F. R., B.A., B.Sc. (Econ.) Lond. Actg. Hd. of Dept.

Lecturers

Gunasekera, H. A. de S., B.A., M.Sc. (Econ.) Lond.
Sarkar, N. K., M.A. Calc.
Weerawardena, I. D. S., B.A., Ph.D.

Assistant Lecturers

de Silva, G. V. S., B.A.
Vandendriesen, I. H., B.A.
Indraratne, A. D. V. de S., B.A.
Wilson, A. J., B.A.
Ratnakara, N., B.A.

*Education*

Green, T. L., M.A., B.Sc. Brist. Prof. and Hd. of Dept.
Arulanandy, K. S., M.Sc. Lond. Lectr.
Nesiah, K., M.A. Madr. Lectr.

Assistant Lecturers

Jayasekara, U. D., B.A.
Jayasuriya, J. E., M.A.
Wickremasuriya, Miss C., B.A. Lond.
Thani Nayagam, Rev. Fr. Xavier S.

*English*

Ludowyk, E. F. C., B.A. Lond., M.A., Ph.D. Camb. Prof. and Hd. of Dept.
Passé, H. A., B.A. Lond. Reader.
de Souza, A. T. A., B.A. Lond. Lectr.
Amerasinghe, U. A., B.A. Asst. Lectr.

*Geography*

Kularatnam, K., M.A. Lond., D. de l.'U. Paris, Dip.Geog. Madr. Lectr.
Wikkramatilleke, W. A. R., M.A. Asst. Lectr.
Thambipillai, G. Asst. Lectr.

*History*

Ray, H. C., M.A. Calc., Ph.D., D.Lit. Lond. Prof. and Hd. of Dept.
Mendis, G. C., B.A., Ph.D. Lond. Reader.

Lecturers

LaBrooy, W. J. F., B.A. Lond.
Pinto, Rev. Fr. S. I., B.A. Lond., M.A. Oxon., B.D. Rome.
Sinha, D. P., B.A. Calc., M.A. Lond.
Vimalananda, T., M.A. Calc., Ph.D.
Perera, L. S., B.A., Ph.D.
Goonewardena, K. W., B.A.
Mahendran, S., B.A.
Arsaratnam, S., B.A.

*Law*

Nadaraja, T., B.A. Camb. Prof. and Hd. of Dept.
Ahlip, B., LL.B. Lond. Lectr.
Goonesekera, R. K. W., LL.B. Asst. Lectr.
de Saram, J. H., B.A., LL.M. Yale Asst. Lectr.

*Mathematics*

Eliezer, C. J., D.Sc. Lond., M.A., Ph.D. Camb. Prof. and Hd. of Dept.
Caspersz, U. D. R., B.Sc. Lond. Reader.
Nadarasar, S., M.A. Camb., B.Sc. Lond. Reader.
Kanagasabapathy, P., B.A. Camb., M.Sc. Lond. Lectr.
Amerasekera, D. V. A., B.Sc. Lond. Asst. Lectr.

*Modern Languages (Western)*

Reich, Miss Vally, Ph.D. Vienna Lectr.

*Pali*

Malalasekera, G. P., M.A., Ph.D., D.Lit. Lond. Prof. and Hd. of Dept.

Jayawickrema, N. A., B.A., Ph.D. Lond. Lectr.
Dhirasekera, J. D., B.A. Lectr.
Karunaratne, W. S., B.A. Asst. Lectr.

*Philosophy*

Mathiaparanam, Miss Kammala, M.A. Madr. Lectr.
Sarkar, A. K., M.A., Ph.D. Patna Lectr.

Assistant Lecturers

Jayatileke, K. N., M.A. Camb., B.A.
Fernando, H. M. A. B., B.A.
Mendis, B., B.A.

*Physics*

Mailvaganam, A. W., M.A., Ph.D. Camb., B.Sc. Lond. Prof. and Hd. of Dept.
Appapillai, V., B.Sc., Ph.D. Lond. Reader.
Baliga, S. P., M.A. Madr. Lectr.
Muttucumarana, T. de S., B.Sc., Ph.D. Lond. Lectr.

Assistant Lecturers

Kannangara, M. L. T., B.Sc.
Thambypillai, T., B.Sc.
Dahanayake, C., B.Sc.

*Sanskrit*

Wijesekera, O. H. de A., M.A., Ph.D. Lond. Prof. and Hd. of Dept.

Assistant Lecturers

Tilakasiri, J., Ph.D. Lond., B.A.
Jayasuriya, M. H. F., B.A.
Gunesinghe, B. A. S., B.A.

*Sinhalese*

Hettiaratchi, D. E., B.A. Lond., M.A., Ph.D. Calc. Prof. and Hd. of Dept.

Lecturers

Sarathchandra, E. R. de S., M.A., Ph.D. Lond.
Ariyapala, M. B., B.A., Ph.D.
Wijeratne, D. J., B.A., Ph.D. Lond.

Assistant Lecturers

Cooke, Mrs. Vajira, B.A. Lond., M.A.
Fernando, P. E. E., M.A. Lond.
Ramaṇdala, M.A. Lond.
Kulasuriya, A. S., D. de l'U. Paris, M.A.

*Sociology*

Assistant Lecturers

Peiris, P. R., Ph.D. Lond., B.A.
Tambiah, S. J., B.A.
Saparamadu, Miss Sumana, B.A.

*Tamil*

Kanapathipillai, K., B.A., Ph.D. Lond., Vidvan Annam. Prof. and Hd. of Dept.
Chelvanayagam, V., B.A. Lond., M.A. Annam. Lectr.
Vithianathan, S., M.A., Ph.D. Lectr.
Mahadeva, Mrs. M., B.A. Lond. Asst. Lectr.
Sathasivam, A. Asst. Lectr.

*Veterinary Science*

McGaughey, G. A., M.A. Camb., M.Sc. Manc., D.V.S.M. Manc. Prof. and Hd. of Dept.
Brito-Babapulle, L. A. P., B.Sc. (Vet. Sc.) Lond. Lectr.
Pate, C. W. Visiting Lectr.
Seneviratne, P., B.Sc. (Vet. Sc.) Lond. Visiting Lectr.

*Zoology*

Fernando, W., B.Sc., Ph.D. Lond. Prof. and Hd. of Dept.
Kirtisinghe, P., M.Sc. Lond. Lectr.
Crusz, H., B.Sc., Ph.D. Lond. Lectr.
Weerakone, A. C. J., B.Sc. Lond. Asst. Lectr.

**Engineering**

*Civil Engineering*

Pereira, E. O. E., B.Sc. Lond., B.A. Camb. Prof. and Hd. of Dept.

Lecturers

Sivaprakasapillai, T., B.Sc. (Eng.).
de Silva, H. B., B.Sc., M.Sc. (Eng.) Lond.
Wickramaratne, P. H. De S., B.Sc. (Eng.) Lond.
Selvanayagam, P., B.Sc. (Eng.), Ph.D.

Assistant Lecturer

Arumugam, K., B.Sc. (Eng.).

*Electrical Engineering*

Paul, R. H., M.A. Camb., B.Sc. Lond., F.R.S.A.
Prof. and Hd. of Dept.

Assistant Lecturers

Fernando, W. M. G., B.Sc. (Eng.).
Jayasekera, W. P., B.Sc. (Eng.).

*Mathematics*

Bartholomeusz, E. F., B.Sc. Lond.
Asst. Lectr.

*Mechanical Engineering*

Chinnappa, J. C. V., M.Sc. (Eng.) Lond., B.E., D.I.C.
Lectr. and Hd. of Dept.
Mahalingam, S., B.Sc. (Eng.) Lond. Asst. Lectr.

## Medicine

*Anatomy*

Chanmugam, P. K., M.Sc. Lond., L.M.S.
Prof. and Hd. of Dept.

Lecturers

Fernand, V. S. V., Ph.D. Lond., L.M.S.
Waas, M. J., Ph.D. Manc., L.M.S.
Kanagasunderam, R., M.B., B.S. (on leave).
Jayewardene, F. L. W., M.B., B.S. (on leave).
Wijetunga, H. P. A., M.B., B.S.
Pallie, W., M.B., B.S. (on leave).

Demonstrators

Mendis, N. K. G., M.B., B.S.
de Zilwa, P., M.B., B.S.
Muthuthamby, A. G., M.B., B.S.

*Bacteriology*

Stork, K. G. B., Dip.Bact. Manc., D.T.M. & H. Lond., L.M.S.
Visiting Lectr.

Visiting Demonstrators

Gulaskeram, J. B., D.B. Lond., L.M.S.
de Alwis, D. E. W., M.B., B.S.

*Dental Surgery*

McKeag, R. H., M.A., M.B., B.Ch., B.A.O., B.Dent.Sc. Dub.
Prof. and Hd. of Dept.
Muttunayagam, M. A. B. B., D.T.M., D.T.H. Lond., F.D.S.R.C.S. (Prosthet. D. S.)
Prof. and Hd. of Dept.
Rajasooriya, G. P. D., L.D.S., L.M.S. (Prosthetic D.S.)
Lectr.
Ludekins, W. L. W., B.Sc., Ph.D. Lond. (D. Metall.) Lectr.
Gunawardena, S., L.D.S. Manc., L.M.S. (D. Metall.)
Visiting Lectr.
Balendra, W., L.D.S., L.M.S. (D. Surg. and Pathol.)
Visiting Lectr.
Gunawardena, S., L.D.S. Manc., L.M.S. (D. Surg. and Pathol.)
Visiting Lectr.
de Silve, S. S. P. de J., B.D.S., L.M.S., L.D.S., F.D.S.
Visiting Lectr.
Dissanayahe, S. B., B.D.S.
Asst. Lectr.
Bamabaradeniya, K., L.D.S.
Demr.
Tillekeratne, L., L.D.S. Demr.

*Forensic Medicine*

de Saram, G. S. W., M.B., B.S. Lond., L.M.S.
Prof. and Hd. of Dept.

*Medicine*

Fernando, P. B., O.B.E., M.D., B.S. Lond., D.T.M. & H. Lond., L.M.S., F.R.C.P.
Prof. and Hd. of Dept.

Blaze, J. R., O.B.E., M.D. Lond., L.M.S., F.R.C.P. (Sr. Ward Classes) Assoc. Prof.
Wijenaike, W., M.B., B.S. Research Asst.
de Silva, P. C. C., M.D. Lond. (Pædiatrics) Prof.

Visiting Lecturers

Cooke, G., M.D. Lond., L.M.S. (Systematic Lectures and Ward Classes).
Senewiratne, V. E. P., M.D. Lond., D.T.M. & H. Lond. (Tutorials and Ward Classes).
Wijerama, E. M., M.D. Lond., L.M.S. (Therapeutics and Intermed. Ward Classes).
Fernando, C. F., O.B.E., M.D. Lond., L.M.S. (Jr. Ward Classes).
Gunawardene, Hilary, M.D. Lond. (Ward Classes and Tutorials).
Handy, G. R., M.D., B.S. Lond., L.M.S. (Ward Classes and Tutorials).
Ratnavale, G. S., M.D. Lond., L.M.S. (Ward Classes).
Amarasingham, J. S., L.M.S., Dip.M. and S. (Infectious Dis.).
Amerasinghe, C. D., D.P.M., D.T.M. & H. Lond., L.M.S. (Psycholog. Med.).
Fernando, A. C., L.M.S. (Leprosy).
Chelvarajah, T. (Ward Classes) Clinical Instr.
Fernando, S., M.D. Lond., L.M.S. (Ward Classes).

*Obstetrics and Gynæcology*

Attygalle, N., D.L.O. Lond., L.M.S., F.R.C.S., F.R.C.O.G. Dean, Fac. of Med., Prof. and Hd. of Dept.
Ranasinghe, D. A., L.M.S., F.R.C.S. Assoc. Prof.
Jayasekera, B. P. N., M.B., B.S. Tutor.
Wedande, J. B., M.B., B.S. Res. Asst.
Rajaratnam, P. D., M.D. Liv., L.M.S., F.R.C.S. (Tutorials) Visiting Lectr.
Caldere, R., L.M.S., F.R.C.S.Ed. Visiting Lectr.
Visvanathan, T., M.B., B.S. Temp. Lectr.
Jayawardene, P. U., L.M.S. Lectr.
Jayasundera, Miss B. D., M.B., B.S. Tutor.

*Parasitology*

Sivalingam, V., D.T.M. & H. Lond., L.M.S. Visiting Lectr.
Muttucumarana, C. de S., M.B., B.S. Visiting Demr.
Sivalingam, S., M.B., B.S. Visiting Demr.

*Pathology*

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. (on leave).
Tennakoon, G. E., L.M.S. (on leave).
Chapman, T. E. D., M.B., B.S.
Yoganathan, Mrs. M., M.B., B.S.
Panabokke, R. G., M.B., B.S.
Dassnaike, A. S., M.B., B.S., B.Sc.

Demonstrators

Wijesekera, J. G., M.B., B.S.
Wijesekera, S. V. J., M.B., B.S.

*Physiology and Pharmacology*

Koch, A. C. E., L.M.S. Lectr. and Actg. Hd. of Dept.
Baptist, N. G., B.Sc., Ph.D. Lond. (Biochem.) Lectr.
Pinto, C. F. X. (Pharmacy) Visiting Lectr.
Bibile, S. W., M.B., B.S. (on leave) Lectr.

Watson, R. S. S., M.B., B.S., Ph.D. Lond. (on leave) Lectr.
Basnayake, V., M.B., B.S. Lectr.
Kottegode, S. R., M.B., B.S. (on leave) Lectr.
Wikramanayake, T. W., M.B., B.S. (on leave) Lectr.
Arulapragasam, A. C., M.B., B.S. Demr.
Wijesinghe, C. V., M.B., B.S. Demr.
Jansz, H. D. W., L.M.S. Lectr.
Jansz, A. W., M.B., B.S. Lectr.
De Mel, Mrs. B. V., M.B., B.S. Temp. Lectr.
Karunairatnam, M. C., B.Sc., Ph.D. Lond. (Biochem.) Lectr.
Wijesundera, S., B.Sc. Lond. and Ceyl. (on leave) Asst. Lectr.

*Public Health*

Abhayaratne, O. E. R., Dr.P.H. Harv., D.P.H. Edin., L.M.S. Prof. and Hd. of Dept.

*Surgery*

Paul, M., M.S. Lond., F.R.C.S. Prof. and Hd. of Dept.
Peiris, M. V. P., M.B., B.S., L.M.S., F.R.C.S. Assoc. Prof.

Visiting Lecturers

Jayasuriya, J. H. F., L.M.S., F.R.C.S. (Ward Classes).
Rajasingham, A. S., L.M.S., F.R.C.S. (Ward Classes and Tutorials).
Sinnetamby, G. S., L.M.S., F.R.C.S. (Ward Classes).
Anthonis, P. R., L.M.S., F.R.C.S. (Ward Classes).
Austin, L. D. C., L.M.S., F.R.C.S. (Ward Classes).
Bartholomeusz, L. N., L.M.S., F.R.C.S. (Ward Classes).
Messo, N. E., L.M.S., F.R.C.S. (Ward Classes).
Silva, F., L.M.S., F.R.C.S. (Ward Classes).
Muller, G. M., M.B., B.S. Lond., L.M.S., F.R.C.S. (Ward Classes).
Gunewardena, H. O., M.B., B.S. Lond., D.M.R.E. Camb. (Radiol. and Electro-Therapeutics).
de Silva, L. M., D.T.M. & H., D.A. (Anæsthetics).
Lucas, A., D.T.M. & H., L.M.S. (Anæsthetics).
Balendra, W., L.D.S., L.M.S. (Dental S.).
Gunewardena, H. C. P., L.M.S., F.R.C.S. (Venereal Dis., and Otol., Laryngol., Rhinol.).
Dadabhoy, J., D.O.M.S. Lond., L.M.S. (Ophthalmol.).
Gunawardine, D. F. de S., L.M.S., F.R.C.S. Eng. and Ed. (Ward Classes) Clin. Instr.
Kumarasinha, M., M.B., B.S. Res. Asst.

## ADMINISTRATIVE AND OTHER STAFF

Dir. of Physical Educn.: G. Brant Little, B.Sc. Notre Dame. Univ. Med. Officer: P. L. Keegle, M.B., B.S. Asst. Librarians: K. D. Somadasa, B.A.; Mrs. A. T. A. de Souza, B.A. Lond.; E. L. Samarasinghe, B.A.; A. I. L. Gunatileke.

## GENERAL INFORMATION

The University was founded in 1942 by the incorporation of the Ceylon University College, established in 1921, and the Ceylon Medical College, 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.

The Facs. of Arts and of Oriental Studies moved to Peradeniya in Oct. 1952 and the General Administration in June 1953. When the whole University is moved there it will become entirely residential. The site covers 2200 acres; much of it is too steep for buildings and has been acquired for protective purposes. More land will be required for the Faculty of Medicine and new Faculties. The main buildings are being erected to a plan formulated by Sir Patrick Abercrombie and Mr. Clifford Holliday.

The LANGUAGE OF INSTRUCTION in all Facs. is English, but courses in Sinhalese and in Tamil are given in those languages.

LIBRARIES. The main Library (which has now moved to Peradeniya) contains 80,000 vols., but there are sectional libraries attached to the laboratories. The Univ. makes a grant to the Ceylon Medical Library, which is used as the Library of the Fac. of Medicine. LABORATORIES. Science Labs. in Thurstan Rd. (moving to Peradeniya in 1956); Medical Labs. in Kynsey Rd.; Dental Labs. in Ward Place. HOSPITALS. The Colombo General Hospital, the De Soysa Maternity Hospital and the Dental Institute are teaching hospitals. Medical students also use the Medical Research Institute and the Kalutara Public Health Centre.

FACULTIES AND DEANS. *Arts*, Prof. J. L. C. Rodrigo; *Engin.*, Prof. E. O. E. Pereira; *Med.*, Prof. N. Attygalle; *Oriental Studies*, Prof. G. P. Malalasekera; *Sci.*, Prof. A. W. Mailvaganam.

ADMISSION. No one is eligible for admission to a degree course unless he has passed an Entrance Examn. of the Univ. or an equivalent examn. The Prelim. Examn., which is held with the Higher School Certif. Examn. in Dec. each yr., is treated as an Entrance Examn. Candidates for the Prelim. Examn. must have passed the Ceylon Sch. Certif. Examn. Minimum age of admission: 17 yrs.

DEGREE COURSES. B.A. and B.Sc., 3 or 4 yrs. according to type and subject: General Course, 3 yrs.; Special Course, 4 yrs. LL.B., 3 yrs. B.Sc. Agric., 3 yrs. M.B., B.S., 6 yrs. from Preliminary Examn. or 5 yrs. from First Examn. (which may be taken from school). B.D.S., 5 yrs. from Univ. Entrance Examn. or 4 yrs. from First Examn.

HIGHER DEGREES. M.A. or M.Sc., 2 yrs. Ph.D., 2 yrs. Degrees of D.Litt., LL.D., D.Sc., M.D., M.S., M.O.G., for graduates of the University only.

DIPLOMAS. Sinhalese, Tamil, 3 yrs. each, the medium of instruction being Sinhalese and Tamil respectively. Medicine and Surgery, 1 yr. D.T.M. & H., 6 mos.

CERTIFICATE. Ceylon History.

FEES (Rs. 13=£1). There are no tuition, examination or degree fees for citizens of Ceylon who are not repeating courses or examns. For others, the tuition fees are: Arts, Rs. 150; Science, Rs. 225; Medicine, Rs. 525. Every student pays a registration fee of Rs. 30 p.a.

SCHOLARSHIPS FOR GRADUATES. Hilda Obeyesekera Scholarships are available for graduates of other Univs.

RESIDENCE. *Colombo*: for men—University Christian Hostel (*Telephone*: Colombo 8054), Warden, Prof. C. J. Eliezer; Rs. 197 per term. Aquinas Hall (Catholic) (*Telephone*: Colombo 8731), Warden, Rev. Father S. I. Pinto; Rs. 197 per term. Medical Hostel, Warden, Dr. K. G. Jayasekera. *Peradeniya*: for men—Arunachalam Hall, Jayatilaka Hall, Marrs Hall, Peiris

Hall; for women—Hilda Obeyesekera Hall, Sanghamitta Hall. Fees: Rs. 220 per term.

PUBLICATION. *Calendar*.

## THE YEAR 1951–52

BENEFACTIONS. Turf Club, further contrib. of Rs. 10,000 for Fac. of Agric.; Mrs. H. J. Peiris Memorial, Rs. 25,000.

NEW BUILDINGS. 2 addl. Halls of Residence to be completed at Peradeniya; work begun on bldg. of Fac. of Med. in Kynsey Rd.

RESIGNATION. Prof. T. R. V. Murti.

DEATH. R. S. Enright, Librarian.

HONORARY DEGREES. *D.Litt.*—Sir P. E. Pieris; Dr. S. Paranavitane. *D.Sc.*—Prof. W. A. E. Karunaratne. *LL.D.*—Prof. R. W. Lee.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 1752 |
| Women | .. | 480 |
| Total | .. | 2232 |

DEGREES AWARDED (1952). B.Sc. Agr., 8; B.A., 171; M.A., 3; LL.B., 14; M.B., B.S., 80; B.D.S., 1; M.D., 2; B.Sc., 40.

# PAKISTAN

UNIVERSITY OF DACCA (p. 1402)
UNIVERSITY OF KARACHI (p. 1413)
UNIVERSITY OF THE PANJAB (p. 1416)
UNIVERSITY OF PESHAWAR (p. 1425)
UNIVERSITY OF SIND (p. 1428)

[*Revised July* 1953.]

# UNIVERSITIES OF PAKISTAN

[Contributed by Professor M. Timur, then Vice-Chancellor of the University of Peshawar.]

PAKISTAN came into existence on Aug. 15, 1947. The new State of Pakistan contains five provinces of the old undivided India: East Bengal, West Panjab, Sind, North-West Frontier Province and Baluchistan. There were three Universities in this territory at the time of the Partition. The oldest among these was the University of the Panjab which was established in 1882 with powers to hold examinations and grant degrees to students of affiliated Colleges. It provided instruction only in Law and Oriental Languages. Since 1919 it has organized teaching departments for postgraduate instruction in Physical and Social Sciences, Commerce, European Languages, Dentistry and Islamic Theology. The Medical, Engineering, Veterinary, Agricultural and Training Colleges are administered by different departments of the Provincial Government but are under the control of the University in academic matters.

The University of Dacca was established in 1921 as a teaching and residential University. After the formation of the State of Pakistan in 1947 it was empowered to affiliate all educational institutions in East Bengal which prepare students for examinations higher than the Matriculation and High Madrassa standard. It has teaching departments in Physical and Social Sciences, Medicine, Engineering, Agriculture, Law, Education, Oriental Languages and Islamic Culture.

The University of Sind was established in 1947. The Colleges of the Sind province are affiliated to it. Most of the teaching work is done by the affiliated Colleges, but a scheme for taking over postgraduate teaching under the direct control of the University is under consideration. It has started teaching departments in Sindhology, Education and Religion.

The Universities of Karachi and Peshawar were founded in 1950. The existing Colleges in the Karachi Federal area which were affiliated to the University of Sind before its establishment are now affiliated to the University of Karachi. The new University has under consideration plans for starting postgraduate teaching departments. The Colleges in the North-West Frontier Province are affiliated to the University of Peshawar. Instruction up to the B.A. and B.Sc. degree standard is given by the Colleges. The University has its teaching departments for postgraduate study in English, Economics, Mathematics, Arabic, Education and Law. The Engineering department of the University prepares students for the B.Sc. degree. It has plans for opening teaching departments for postgraduate study in Physical and Social Sciences, European Languages and Islamic Theology.

A University was established in 1953 at Rajshahi in East Bengal. It has no teaching departments as yet, but will act as an examining body for its affiliated Colleges (*see* pp. 1406-1409).

MEDIUM OF INSTRUCTION. The Pakistani Universities conduct their teaching and examinations on the same lines as English Universities.

The medium of instruction at the degree stage is English except in the Urdu College at Karachi. The courses of study are similar to those in English Universities. Since 1947 there has been a movement to attach increasing importance to the study of the Urdu language and Islamic Theology. Departments for the study of these subjects have been established in almost all Universities. Urdu has been introduced in the Intermediate Colleges as an alternative medium of instruction to English.

ADMINISTRATION AND CONTROL. The Universities of Pakistan are statutory bodies based on the acts of provincial legislatures, in the case of Karachi on the act of the Central legislature. The legislative authority is vested in the Senate and the executive authority in the Syndicate or the Executive Council. Academic matters are under the control of the Boards of Studies, Faculties and the Academic Council which co-ordinates the work of the Boards and the Faculties. The income of the Universities is derived from the fees of students and from grants from the Provincial and the Central Governments.

ADMISSION AND DEGREES. The minimum requirement for entering a University is the Matriculation examination of a Pakistani University, which is generally taken at the age of 16, or an examination which is recognized as its equivalent by the various Universities. Two more years are required for taking the Intermediate examination. The B.A. or B.Sc. (ordinary) degree is granted after a further study of two years and the B.A. or B.Sc. (Honours) degree after three years. The Master's degree is granted after one or two years' study after the B.A. or B.Sc. degree. In the ordinary course a student may take his M.A. or M.Sc. degree at the end of the sixth year after passing the Matriculation examination.

The first medical degree (M.B., B.S.) is taken after a study of 5 years after passing the pre-medical Intermediate examination in Physics, Chemistry, Botany and Zoology. The B.Sc. degree in Engineering is taken after a study of three years after passing the Intermediate examination in Physics, Chemistry and Mathematics. The LL.B. degree is taken after a study of two years after the B.A. degree. The Ph.D., D.Phil. and M.D. degrees are conferred after a course of advanced study and research extending over two or three years. Candidates entering upon a course of study for the Ph.D. or D.Phil. must have taken the Master's degree of a Pakistani University or of some other approved University. Candidates for the M.D. degree must have taken the M.B., B.S. degree or a degree which is recognized as equivalent to it. Candidates on completion of research must present a thesis and submit to oral examination on that thesis.

The University of the Panjab also gives diplomas in various subjects. Of special importance are diplomas in the Classical and Pakistani languages, Arabic, Persian, Urdu, Panjabi and Pashto. The oriental titles, Maulvi Fazil (Honours in Arabic), Munshi Fazil (Honours in Persian), Adib Fazil (Honours in Urdu), are conferred on those who pass the Honours examinations in the relevant subjects. The University of Peshawar gives the diploma of Honours in Pashto only.

TERMS. In the Universities of the Panjab and Peshawar the academic year is divided into three terms, which run from about Oct. 1 to the third week of Dec.; first week of Jan. to end of March; middle of April to end of June. At the University of Dacca, the three terms run from about July 1 to Sept. 15; Oct. 16 to Dec. 20; Jan. 2 to April 15. In the Universities of Sind and Karachi the academic year is divided into two terms, which run approximately from the beginning of June to the end of Oct.; beginning of Nov. to the end of March.

RESIDENCE. Residence is provided for a large number of students in the hostels maintained by the Universities or affiliated Colleges.

EXPENSES. It is not possible to make any general estimate of the cost of a University course, which varies with the Universities and the type of study. The cost of living is higher in the big cities like Lahore and Karachi than in Dacca and Peshawar. The Engineering and Medical courses cost more than the ordinary Arts and Science courses. The monthly expense of a student may therefore vary from Rs. 80 in Dacca and Peshawar to Rs. 150 in Lahore and Karachi.

(*Note.* Rupee = 2s. 2d. approximately.)

THE INTER-UNIVERSITY BOARD. For the purpose of discussing problems which affect the Universities in general and also for exchange of views on Inter-University relations, a body representing the six Universities of Pakistan and the Central Government has been established, which meets once a year. The Standing Committee of Vice-Chancellors acts as the executive body and meets twice a year. The Secretary of the Board for the calendar year 1954 is M. Bashir, B.Sc. Edin., Registrar of the University of the Panjab.

The EDUCATION DIVISION OF THE OFFICE OF THE HIGH COMMISSIONER FOR PAKISTAN, 39 Lowndes Square, London, S.W.1 (*Telephone*: Sloane 3402), obtains admission to educational institutions in the United Kingdom for Pakistani students and gives advice and help on all educational and welfare matters. Students in Pakistan intending to proceed abroad for further studies should consult the Information Bureau of the University in their area in the first instance. Parents or guardians who wish to send minors for schooling may arrange with the Education Division for the children to be placed under guardianship of the Educational Attaché, who will make provision for their welfare and the administering of their funds.

Educational Attaché: A. M. Chowdhury, M.A. Dacca; Assistant Educational Attaché: A. G. Butt, M.A.; Sr. Education Officer: S. B. Zaman, B.A. Madr.; Education Officers: L. Aird, B.A. Durh.; G. M. Mumtaz; P. Rieger, B.Sc. (Econ.) Lond. (Registrar); Z. Hossain (Welfare Officer).

**Note**

**The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.**

[*Information compiled as at* 12/8/53.]

# UNIVERSITY OF DACCA*

Founded 1921

*Postal Address*: Ramna, Dacca, East Bengal, East Pakistan.
*Telephone*: Dacca 114.

VISITOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF EAST BENGAL.

VICE-CHANCELLOR—W. A. JENKINS, C.I.E., D.Sc. Sheff.

TREASURER—ENAYETUR RAHMAN, B.L.

DEANS—*Agriculture*—F. AHMAD, M.S. Corn., M.Sc.; *Arts*—M. SHAHIDULLAH, D.Lit. Paris, M.A., B.L. Calc.; *Engineering*—T. H. MATHEWMAN, M.Eng. Liv.; *Law*—G. DAHM, LL.D. Heidel.; *Medicine*—A. K. M. ABDUL WAHED, B.Sc., M.B. Calc., F.R.F.P.S. Glas.; *Science*—S. M. MITRA, D.Sc.

REGISTRAR—A. HADY TALUKDAR, M.A. Lond. and Dacca.

PROVOSTS—Salimullah Muslim Hall—M. O. GHANI, M.Sc., Ph.D. Lond.; Fazlul Huq Muslim Hall—M. N. HUDA, M.A., Ph.D. Corn.; Dacca and Jagannath Halls—.....

INSPECTOR OF COLLEGES—A. RAHIM, M.A., B.T. Calc., Dip. in Edn. Leeds and Berl.

CONTROLLER OF EXAMINATIONS—A. RUB CHOUDHURY, M.A.

PROCTOR—M. HUQ, M.A., Ph.D. Lond.

LIBRARIAN—FAZAL ELAHI, M.A., Dip.Lib. Lond., F.L.A.

## TEACHING STAFF

*Arabic and Islamic Studies*

Haque, S., Ph.D. Lond., M.A. Prof.
..... Reader.

Lecturers

Aziz, A., M.A.
Subhan, A., M.A. Alig., B.Litt. Oxon.
Rahim, S. A., M.A., B.L., B.T.
Ishaque, M., M.A., Ph.D.
Rahman, K. M. A., M.A., B.T.
Hasan, S., M.A., D.Phil. Oxon.
Sadeque, Mrs. S. F., M.A., Ph.D. Lond. Temp. Lectr.
Hossain, V. Maulana.

*Bengali and Sanskrit*

Shahidullah, M., D.Lit. Paris, M.A., B.L. Calc. Prof.

Lecturers

Hai, M. A., M.A. Lond., M.A.
Muhammad, K. D., M.A.
Sherif, A., M.A. Temp. Lectr.
Ali Ahsan, S. A. H., M.A.
Islam, M., M.A.
1 Res. Asst.

*Biology*

Majumdar, G. P., M.Sc., Ph.D. Leeds Prof.

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

Ahmed, M., M.Sc., Ph.D. Camb. Reader.

Lecturers

Yousufzai, H. K., M.Sc., D.Phil. Alld., Ph.D. Belf.
Wahed Khan, A., M.Sc. Calc. Temp. Lectr.
Kadri, W. B., M.Sc. Lond. Temp. Lectr.
Islam, A. S., M.Sc. Calc. (on leave).
Khan, S. A., M.Sc. Luck. Temp. Lectr.
Badiuzzaman, M.Sc. Calc. (on leave).
Baten, A., M Sc. Temp. Pt.-time Lectr.
Huq, A., M.Sc. Ban. (on leave).
Mahmud, K. A., M.Sc. Nag. Temp. Lectr.
Ahmad, K. A., M.Sc. Calc. (on leave).
Islam, A. K. M. N., M.Sc. Temp. Lectr.
Shafiq, S. A., M.Sc. Alig. (on leave).
Akbar, S. S., M.Sc. Alld. Temp. Lectr.
Siddiqui, A. A., M.Sc. Alig. (on leave).
Haque, A. K. A., M.Sc. Panj. Temp. Lectr.
Ali, S. B., M.Sc. Calc. (on leave).
Ismail, M., M.Sc. Temp. Lectr.
Khan, M. S., M.Sc. Alig.
1 Res. Asst., 1 Lab. Asst.

*Chemistry*

Zernike, J., D.Sc. Amst. Prof.

Readers

Khundkar, M. H., Ph.D. Lond., M.Sc.
Ahmad, K., Ph.D. Wis., M.Sc.
Ahmad, M., Ph.D. Penn., M.Sc.

Lecturers

Sarma, J. C., M.Sc. Calc.
Rahman, Mrs. Amina, M.Sc. Calc., Ph.D. Yale Temp. Lectr.
De, S. C., D.Sc.
Bhuyan, A. M., M.Sc.
Bhuiyan, A. S. M. N. H., M.Sc.
Huq, A. K. M. S., M.Sc. (on leave).
Dutta, R. L., M.Sc. Temp. Lectr.
Latif, K. A., M.Sc., Ph.D. Ohio, M.Sc.
Rahman, H., M.Sc. Temp. Lectr.
Biswas, M. A., M.Sc. Temp. Lectr.
Nowab, A., M.Sc.
Hyder, S. Z., M.Sc.
Rahman, A., M.Sc. Temp. Lectr.
Choudhury, F. H., M.Sc. Temp. Lectr.

*Commerce*

..... Prof.
Saifullah, M., M.A. Calc., B.Com. Lond. Temp. Reader and Hd. of Dept.

Lecturers

Hasnat, A., M.A.
Siddiqui, M. R., M.A. (on leave).
Ahmed, M., M.A. Temp. Lectr.
Quddus, R., M.Com. Temp. Lectr.
Khan, M., M.A.
Sahadutullah, A. H., M.Com. Temp. Lectr.
Maziruddin, K., M.Com. Temp. Lectr.

Part-time Lecturers

Roy, A. C.
Mostafa, A. T. M., M.A.

*Economics*

..... Prof.
Ayyar, S. V., M.A. Madr. Temp. Reader and Hd. of Dept.
Hossain, A. F. A., M.Sc. (Econ.) Lond., M.A. Reader.
Huda, M. N., Ph.D. Corn., M.A. Reader.

Lecturers

Huq, M., Ph.D. Lond., M.A.
Haque, T., M.Sc. Lond., M.A.
Mahmood, A. N. M., M.A.
Muhiuddin, M., M.A. Temp. Lectr.

Uzair, M., M.A. Temp. Lectr.
Hussain, A., M.A. Temp. Lectr.

*English*

..... Prof.
..... Reader.

Lecturers

Thakurta, J. G., M.A.
Ali Ashraf, A. N. M., B.A. Camb., M.A.
Gomes, R. A., M.A.
Hossain, S. S., Ph.D. Lond., M.A.
Khan, S. M., M.A.
Roy, B. C., M.A.
Ali, 'A., M.A. Pt.-time Lectr.

*Geography*

Ahmad, N., M.A. (on leave) Reader.

Lecturers

Rizvi, A. I. H., M.A.
Patel, A. M., M.A. Lond.
Maas, W., M.A. Cracow, Ph.D. Berl., D.Litt. Paris.

*Geology*

..... Reader, Hd. of Dept.

Lecturers

Latif, M. A., M.Sc. Calc. (on leave).
Hussain, S. M., M.Sc. Patna Temp. Lectr.
Quadri, S. M. J., B.Sc. Osm. and Qu., M.Sc. Tor. Temp. Lectr.
Maas, W., M.A. Cracow, Ph.D. Berl., D.Litt. Paris.

*History*

Halim, A., M.A., Ph.D. Prof.
..... Reader.
Dani, A. H., M.A. Reader.

Lecturers

Sayeed, A. F. M., M.A.
Bhattacharyya, S. C., M.A.
Kabir, M., M.A. (on leave).
Rahman, W., M.A.
Karim, M. A., M.A. Temp. Lectr.
Imam, A., M.A. Temp. Lectr.

*International Relations*

..... Prof.
Alsop, Marjorie, B.Com., M.Sc. (Econ.) Lond. Reader.

Lecturers

Aziz, M. A., M.A. (on leave).
Khan, N. H., M.A. Temp. Lectr.
Choudhury, G. W., M.A. Calc.
Nooruzzaman, A. H. M., M.A. Temp. Lectr.
Liu, Y. H. (Chinese) Reader.
Maas, Mrs. Madeline (French) Reader.
Dahm, Mrs. R. Teacher.

*Islamic History and Culture*

Habibullah, A. B. M., M.A., Ph.D. Lond. Prof.

Lecturers

Majed Khan, A., M.A. Calc. (on leave).
Rahim, R., M.A.
Husaini, S. A. Q., M.A.
Imamuddin, S. M., M.A., D.Phil. Calc.
Islam, S., M.A. Calc.
Abdul Alim, A. K. M., M.A. Calc. Temp. Lectr.
Reza Karim, M., M.A. Temp. Lectr.

*Law*

Dahm, G., LL.D. Heidel. Sr. Prof.
Siddiqui, N. U. A., M.A., B.C.L. Oxon., LL.D. Dub. Prof.
..... Reader.

Lecturers

Momen, M. N., B.L.
Ansari, S., M.A., LL.B.

Part-time Lecturers

Baquer, A. K. M., M.A. Alig., LL.B. Lond.
Siddiky, B. A., B.L. Calc.
De, B. K.
Hussain, A., M.A., B.L.
Khan, A., M.A., LL.B.
Hakim, M., M.A.
Choudhury, A. S., M.A., B.L.

*Mathematics*

Pinl, M., Dr.Phil. Vienna, Dr. rer. nat. Prague Prof.
Huq, S. M. A., M.Sc. Calc., Ph.D. Lond. Reader.

Lecturers

Rahman, M., M.A.
Khalifa, A. R., M.Sc.
Sardar, R. A., M.Sc.
Huq, M. S., M.A., M.Sc.
Hakim, A., Ph.D. Temp. Lectr.

*Persian and Urdu*

Shadani, W. H. A., M.A., Ph.D. Lond. Prof.
Furuqi, M. T., M.A. Agra Reader.

Lecturers

Huda, M. Z., M.A.
Chaudhury, A. M. F. A., M.A. (on leave).
Siddiqui, A. A., M.A., Ph.D. Alig.
Subzwari, S. S., M.A.
Fauq, M. H. Q., M.A. Temp. Lectr.
Huque, A., M.A. Pt.-time Lectr.
Qadri, Z. M. Y. A., M.A. Temp. Pt.-time Lectr.

*Philosophy*

Jilani, G., M.A., Ph.D. Lond. Prof.

Lecturers

Deb, G. C., M.A., Ph.D.
Maron, S., M.A. Chic., D. de l'U. Paris.
Zaidi, S. M. H., M.A., LL.B. (on leave).
Wasim, M., M.A., LL.B. Temp. Lectr.
Ahmad, K., M.A.

*Physics*

Mitra, S. M., D.Sc. Prof.

Readers

Ali, I., M.E.E. N.Y., M.Sc.
Chaudhury, A. M., M.Sc., Ph.D., F.R.Met.S.
Rahman, S. M. F., M.E.E. Purdue, M.Sc.

Lecturers

Mukherjee, S. K., M.Sc. Calc.
Biswas, S. C., M.Sc.
Huq, M. S., M.Sc. Temp. Lectr.
Erteza, A., M.Sc. (on leave).
Emran, M. Temp. Lectr.
Qasim, M. A., M.Sc.
Siddiq, A. K. M., M.Sc.
Hussain, M. A. M. M., M.Sc. Temp. Lectr.

*Physiology*

Lecturers

Mitra, S. K., B.Sc., M.B. Calc., D.T.M. & H., D.P.H. Lond. Pt.-time Lectr.
Jabbar, A., M.Sc. (on leave).
Chakravorty, N. C., M.B. Calc.

*Political Science*

Newman, K. J., LL.D., D.Phil. Oxon. Prof.

Lecturers

Razzaq, A., M.A.
Rahman, M., M.A.
Karim, N., M.A. (on leave).
Choudhury, M. A., M.A.
Miah, N. M., M.A. Temp. Lectr.
Sayeed, K. B., M.A. Madr., B.Sc. (Econ.) Lond.
Zuberi, M. A., M.A. Alig. Temp. Lectr.
Ali, S. M. M., M.A.

*Soil Science*

Ghani, M. O., Ph.D. Lond., M.Sc. Prof.
Karim, A. Q. M. B., M.Sc. Alig., Ph.D. Lond. Reader.

Lecturers

Zoha, S. M. S., M.Sc. Alig., M.Sc. (Tech.) Manc.
Karim, A., M.Sc., Ph.D. Adel. Temp. Lectr.
Huq, A. K. F., M.Sc. (on leave).
Hasan, K. A., M.Sc.
Bose, N. M., M.Sc.
Islam, R. I., M.Sc. Temp. Lectr.

*Statistics*

Hussain, Q. M., M.A. Calc., Ph.D. Reader.

Lecturers

Maniruzzaman, A. N. M., M.Sc.

Atiqullah, M., M.A.

Obaidullah, M., M.Sc.

Qamruddin, M., M.A. Temp. Lectr.

Rahim, M. A., M.Sc. Temp. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Medical Officer: S. K. Mitra, B.Sc., M.B. Calc., D.P.H. Lond.; Asst. Medical Officer: Capt. S. Ahmad, M.B. Calc.; Asst. Registrar: K. C. Chowdhury, B.A.; Addl. Asst. Registrar: S. M. Akbaruddin, B.A.; Asst. Controller of Examns.: F. Haq, B.A.; Sec. to Vice-Chancellor: M. S. Khan, M.A., B.L., F.R.Hist.S.; Sec. Univ. Students' Information Bureau: M. H. Khundkar, M.Sc., Ph.D. Lond.; Physical Dir.: Capt. M. Rahman, B.A.; Physical Instrs.: M. Ahmad, B.A., M. B. Hussain Khan; Chief Accountant: K. C. Karmaker, B.A.; Steward: M. Debiruddin Meah.

## CONSTITUENT COLLEGES

DACCA, *Ahsanullah Engineering College*, Ramna. B.E. Principal—T. H. Mathewman, M.Eng. Liv.

DACCA, *Dacca Medical College*, Ramna. M.B., B.S. Principal—A. K. M. Abdul Wahed, B.Sc., M.B. Calc., F.R.F.P.S. Glas.

DACCA, *East Bengal Agricultural Institute*, Tejgaon. B.Ag. Principal—F. Ahmad, M.S. Corn., M.Sc.

DACCA, *East Pakistan College of Animal Husbandry*, Tejgaon. B.Sc. (Vety.). Principal—S. M. Ali, B.Sc. Calc.

DACCA, *Teachers' Training College*, Armanitola. B.T. Principal—M. Osman Ghani.

MYMENSINGH, *Primary Teachers' Training College.* Dip. in Edn., Higher Dip. in Edn. Principal—S. N. Q. Zulfaqar Ali, B.A. Calc., 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.]

BARISAL, *B.M. College.* B.A., B.Sc., I.A., I.Sc., I.Com. Principal—E. F. McInerny, M.A. Oxon. 29 other Teachers.

BARISAL, *Fazlul Hoq College*, Chakhar. B.A., I.A., I.Sc., I.Com. Principal—S. F. Rahman, M.A., B.T. Alig. 13 other Teachers.

BARISAL, *Latif Islamic Intermediate College.* I.I.S. Principal—Q. A. Awal, M.A. 5 other Teachers.

* BOGRA, *Azizul Hoq College.* B.A., I.A., I.Sc. Principal—A. G. Huq, M.A. 22 other Teachers.

CHITTAGONG, *Chittagong College.* B.A., B.Sc., I.A., I.Sc. Principal—M. Z. Islam, M.A. 44 other Teachers.

CHITTAGONG, *Government College of Commerce.* B.Com., I.Com. Principal—A. Samad, M.A., B.T. 14 other Teachers.

* Affiliated to Rajshahi University (*see* p. 1399) from July 1953.

CHITTAGONG, *Islamic Intermediate College.* I.I.S. Principal—Syed Muzaffar Uddin, M.A. Calc. 10 other Teachers.

CHITTAGONG, *Satkania College,* Satkania. I.A., I.Com. Principal—M. A. R. Choudhury, M.A. Calc. 7 other Teachers.

CHITTAGONG (KANUNGOPARA), *Sir Asutush College.* B.A., I.A., I.Sc., I.Com. Principal—M. L. Nag, M.A. Calc. 16 other Teachers.

CHITTAGONG (NAZIRHAT), *Nazirhat College.* I.A., I.Com. Principal—B. M. Mahmood, M.A., LL.B. Alig. 8 other Teachers.

COMILLA, *Victoria College.* B.A., B.Sc., I.A., I.Sc., I.Com. Principal—A. H. Khan, M.A. Agra. 36 other Teachers.

DACCA, *Dacca College.* B.A., I.A., I.Sc., I.Com. Principal—S. Z. Choudhury, M.A., LL.B. Alig. 46 other Teachers.

DACCA, *Eden Girls' College.* B.A., I.A., I.Sc. Principal—Mrs. F. Zoha, M.A. 21 other Teachers.

DACCA, *Imperial Salimullah Intermediate College.* I.A., I.Com. Principal—K. P. Banerjee, M.A. Calc. 13 other Teachers.

DACCA, *Islamic Intermediate College.* I.I.S. Principal—S. Sarafuddin, M.A., B.L. Calc. 8 other Teachers.

DACCA, *Jagannath College.* B.A., I.A., I.Sc., I.Com. Principal—Khan Bahadur A. Rahman, M.A., B.T. Calc. 47 other Teachers.

DACCA, *Narsingdi College,* Narsingdi. I.A., I.Com. Principal—Kalipada Sen Gupta, M.A. Calc. 6 other Teachers.

DACCA, *Qaid-i-Azam College.* I.A., I.Com. Principal—A. N. M. A. Hasan, M.A. Calc., Ph.D. Lond. 12 other Teachers.

DACCA, *St. Gregory's College.* B.A., I.A. Principal—Rev. J. J. Harrington, A.B. Notre Dame. 6 other Teachers.

DACCA (MANIKGANJ), *Devendra College.* B.A., I.A., I.Com. Principal—A. Ahmed, M.A. 10 other Teachers.

DACCA (MUNSHIGANJ), *Haraganga College.* B.A., B.Com., I.A., I.Com., I.Sc. Principal—A. Razzaque, M.Ed. Lond., M.A., B.T. 15 other Teachers.

DACCA (NARAYANGANJ), *Seth Tolaram College.* I.A., I.Com. Principal—K. N. Chakraborty, M.A. Calc. 8 other Teachers.

DACCA (TEJGAON), *Holy Cross College.* I.A. Principal—Sister Augustine Marie, M.A. Loyola. 5 other Teachers.

* DINAJPUR, *Surendra Nath College.* B.A., I.A., I.Sc., I.Com. Principal—G. C. Deb, M.A. Calc., Ph.D. 18 other Teachers.

FARIDPUR, *Quaid-E-Azam Memorial College,* Gopalganj. I.A., I.Com. Principal—A. Bhattacharyya, M.A., B.L. Calc. 8 other Teachers.

FARIDPUR, *Rajendra College.* B.A., I.A., I.Sc. Principal—A. M. Chakravorty, M.A. Calc. 16 other Teachers.

FARIDPUR, *Ramdia College.* I.A., I.Sc. Principal—A. B. M. A. Huq, M.A, Calc. 6 other Teachers.

FARIDPUR (MADARIPUR), *Nazimuddin College.* B.A., I.A., I.Com. Principal—A. A. M. Azizullah, M.A. 11 other Teachers.

* Affiliated to Rajshahi University (*see* p. 1399) from July 1953.

* JESSORE, *M.M. College.* B.A., I.A., I.Com. Principal—A. R. Joarder, M.A. Alig. 13 other Teachers.

* JESSORE (MAGURA), *Saheed Suhrawardy College.* I.A. Principal—M. Rahman, M.A. 5 other Teachers.

* JESSORE (NARAIL), *Narail Victoria College.* I.A., I.Sc. Principal—S. C. Banerjee, M.A. Calc. 7 other Teachers.

* KHULNA, *Rajendra Girls' College.* I.A. Principal—Amulyadhan Sinha, M.A. Calc. 12 other Teachers.

* KHULNA (BAGERHAT), *P.C. College.* B.A., I.A., I.Sc., I.Com. Principal—M. K. Ganguli, M.A. Calc. 21 other Teachers.

* KHULNA (DAULATPUR), *Braja Lal College.* B.A., B.Sc., I.A., I.Sc. Principal—M. E. Haque, M.A., Ph.D. Calc. 25 other Teachers.

* KHULNA (SATKHIRA), *Satkhira College.* B.A., I.A., I.Sc. Offg. Principal—M. Sakhawatullah, M.A. 11 other Teachers.

* KUSHTIA, *Kushtia College.* B.A., I.A., I.Sc., I.Com. Principal—A. M. Z. Islam, M.A. Calc. 18 other Teachers.

MYMENSINGH, *Ananda Mohan College.* B.A., B.Sc., I.A., I.Sc. Principal—A. K. Lahiri, M.A. 23 other Teachers.

MYMENSINGH, *Bhuapur College,* Bhuapur. I.A., I.Com. Principal—K. Ahmed, M.A. Calc. 6 other Teachers.

MYMENSINGH, *Dhanbari College,* Dhanbari, Tangail. I.A., I.Com. Principal—M. Bhuiya, M.A. 5 other Teachers.

MYMENSINGH, *Nasirabad Islamic Intermediate College.* I.I.S., Principal—R. Ahmed, M.A., B.T. 5 other Teachers.

MYMENSINGH, *Netrokona College,* Netrokona. I.A., I.Com. Principal—S. S. Ahmed, M.A. Agra, M.A., B.L. Alig. 10 other Teachers.

MYMENSINGH (BHAIRAB), *Haji Asmat College.* I.A., I.Com. Principal—M. Idris, M.A. 8 other Teachers.

MYMENSINGH (GAFFARGAON), *Gaffargaon College.* I.A., I.Com. Principal—M. Y. Ali, M.A., B.T., B.L. Calc. 5 other Teachers.

MYMENSINGH (JAMALPUR), *Asheq Mahmud College.* B.A., I.A., I.Com. Principal—A. H. M. A. Quddus, M.A. 10 other Teachers.

MYMENSINGH (KARATIA), *Saadat College,* Tangail. B.A., I.A., I.Sc. Principal—T. Ahmed, M.A. 18 other Teachers.

MYMENSINGH (KISHOREGANJ), *Gurudayal College.* B.A., I.A., I.Sc., I.Com. Principal—M. Wasimuddin, M.A. 23 other Teachers.

MYMENSINGH (TANGAIL), *Kumudini Girls' College.* B.A., I.A. Principal—Mrs. N. A. Hameed, M.A. Luck. 10 other Teachers.

NOAKHALI, *Chaumuhini College.* B.A., I.A., I.Com. Principal—T. Hossain, M.A. 13 other Teachers.

NOAKHALI, *Feni College,* Feni. B.A., I.A., I.Com. Principal—A. C. Rakshit, M.A. Calc. 14 other Teachers.

* PABNA, *Edward College.* B.A., B.Sc., B.Com., I.A., I.Sc., I.Com. Principal—A. Ahmed, M.A. Calc. 23 other Teachers.

* Affiliated to Rajshahi University (*see* p. 1399) from July 1953.

*PABNA, *Islamic Intermediate College*, Serajganj. I.I.S. Principal—K. A. Jalil, M.A. Calc. 4 other Teachers.

* PABNA, *Serajganj College*, Serajganj. B.A., I.A., I.Com. Principal—G. D. Majumdar, M.A. Calc., Ph.D. 12 other Teachers.

* RAJSHAHI, *Adina Fazlul Huq College*. I.A. Principal—M. Ahmed, M.A. Calc. 4 other Teachers.

* RAJSHAHI, *Rajshahi College*. B.A., B.Sc., I.A., I.Sc., I.Com. Principal—M. S. Chowdhury, M.Sc., B.T. 51 other Teachers.

* RAJSHAHI (NAOGAON), *Basiruddin Memorial Co-operative Islamic Intermediate College* I.I.S. Principal—M. A. Hossain, M.A. Calc. 5 other Teachers.

* RANGPUR, *Carmichael College*. B.A., B.Sc., I.A., I.Sc. Principal—S. Shahabuddin, M.Sc. Patna. 26 other Teachers.

* RANGPUR, *Gaibanda College*. I.A. Principal—N. C. S. Choudhury, M.A., B.L. Calc. 10 other Teachers.

SYLHET, *M.C. College*. B.A., B.Sc., I.A., I.Sc., I.Com. Principal—A. Hena, M.A. 49 other Teachers.

SYLHET, *M.M. College*. B.A., I.A., I.Com. Principal—P. C. Goswami, M.A. Calc. 11 other Teachers.

SYLHET, *Women's College*. B.A., I.A. Principal—G. C. Dutta, M.A. Calc. 9 other Teachers.

SYLHET (HABIGANJ), *Brindaban College*. B.A., I.A. Principal—M. Huq Choudhury, M.A. 12 other Teachers.

SYLHET (SUNAMGANJ), *Sunamganj College*. I.A., I.Sc. Principal—D. N. Bhattacharyya, M.A. Calc. 9 other Teachers.

TIPPERAH, *Brahmanbaria College*. I.A., I.Com. Principal—Ali Azhar, M.A. 8 other Teachers.

TIPPERAH, *Chandpur College*. I.A., I.Com. Principal—M. Azimuddin, M.A., B.T. Calc. 9 other Teachers.

TIPPERAH, *Srikail College, Srikail*. B.A., I.A., I.Sc., I.Com. Principal—K. K. Sen Gupta, M.A. Calc. 12 other Teachers.

TIPPERAH (PASCHIMGAON), *Nawab Faizunnessa Islamic Intermediate College*. I.I.S. Principal—M. A. Khair, M.A., B.T. 4 other Teachers.

## GENERAL INFORMATION

The University was established in 1921 under the Govt. of India Act XVIII of 1920, which was based on the recommendations of the Calcutta Univ. Commission presided over by Sir Michael Sadler, and provides for the constitution of Facs. of Arts, Sci., Law, Agric., Med. and Engin. It was established as a unitary, teaching and residential Univ. with a constitution similar in many respects to those of modern English Univs. Following the creation in 1947 of the province of East Bengal as part of Pakistan, the East Bengal Educational Ordinance, 1947, was promulgated, by which the Univ., without prejudice to its original character as a teaching and residential Univ., was entrusted with sole authority to recognize and affiliate all educnl. institutions in E. Bengal above Matricn. and High Madrassa standard. Accordingly, in 1947, the Univ. affiliated 55 first and second grade Colls. spread over the whole of E. Bengal, as well as several other institutions.

* Affiliated to Rajshahi University (*see* p. 1399) from July 1953.

In July 1953 a second University—Rajshahi University—was established in East Bengal following upon the Rajshahi University Act of 1953 of the Govt. of E. Bengal. 18 colleges, formerly affiliated to the Univ. of Dacca, are now under the jurisdiction of the new Univ. (*see* pp. 1406-1409).

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 Hall (accomm. for 400 students), Fazlul Huq Hall (370); for non-Muslims: Dacca Hall (160), Jagannath Hall (partially in use by Govt.; students transferred to Dacca Hall). Women Students' Residence (25). Iqbal Hall, constructed by the Govt. of E. Bengal (for Muslims), recognized from July 1953 by the Univ. (316). For Provosts *see* p. 1402.

Some Univ. teachers live in houses within the Univ. area.

The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES, ETC. Univ. Library: over 150,000 vols. and about 20,000 Sanskrit, Bengali, Arabic, Urdu and Punthi MSS. Reading Room. Separate Sci. Library. Each Hall of Residence has a library.

LABORATORIES. Phys.; Chem.; Psychol.; Biol.; Soil Sci.; Stats.; Geol.

FACULTIES. Arts, Science, Law, Agric., Med., Engin. For Deans *see* p. 1402.

ADMISSION. Minimum standard required for entry to degree courses is that of the Univ. Inter. examn. or equivalent.

DEGREES. B.A. or B.Sc. Pass, 2 yrs., with Hons., 3 yrs.; M.A., M.Sc., 2 yrs., or for Dacca Hons. B.A. or B.Sc., 1 yr.; B.T., 1 yr.; M.T., 3 yrs.; B.Com. (Pass), 2 yrs. (Hons.), 3 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.

DIPLOMAS AND CERTIFICATES. Dipl. in Educn. and Higher Dipl. in Educn., 1 yr. each; Certifs. of Proficiency and High Proficiency in Urdu (Adib-i-Kamil), 1 yr. each; Dipl. in Engin., 3 yrs.; Sub-overseership, 2 yrs.; Survey final, 2 yrs.; Vet. Dipl. Course, 2 yrs.; Jr. and Sr. Proficiency Certif. Courses in Elem. Chinese, French and German, 1 yr. each; Day Course Examn. of Govt. Coll. of Comm., 2 yrs.; Book-keeping and Accountancy, 1 yr.

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: 14 of Rs. 100 each p.m. In addition, a large number of stipends are annually awarded by the Govt.

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. On admission to the Univ. for the first time each student is medically examined. All students receive free medical atten-

tion. 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. Sec., Dacca Univ. Students' Information Bureau, Dacca.

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. 5 ; 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. M. Rahman, B.A. Adjutant, Capt. M. L. Malik.

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. *Postal Address* : The Press Manager, Dacca Univ. Press, Ramna, Dacca.

## THE YEAR 1952–53

RESIGNATIONS. Dr. I. H. Zuberi, apptd. Vice-Chancellor of Rajshahi Univ. ; J. S. Turner (Engl.), apptd. Dir. of Civil Service Studies, Govt. of E. Bengal ; 27 other Teachers resigned.

DEATH. S. M. Z. H. Azad (Persian and Urdu).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 21,927 |
| Women | .. | 902 |
| Total | .. | 22,829 |

The above figures indicate the total number of male and female students reading in the Univ. proper and in the affiliated and constituent colls. Reading in Univ. : 2266 M., 95 W. ; in constituent colls. : 1296 M., 6 W. ; in affiliated colls. : 18,365 M., 801 W.

Postgraduate students, 1317.

New admissions, 14,546.

HONORARY DEGREE. *LL.D.*—H.E. Dr. A. W. Azzam, Egyptian Ambassador in Pakistan and former Prof. of Cairo Univ.

DEGREES. B.Ag., 5; LL.B., 58; B.Sc. (Engineering), 31; M.B., B.S., 20; B.T., 86; M.A., 160; M.Sc., 40; M.Com., 19; LL.B. (Feb. & April, 1952), 41; M.Ag., 2; B.A. (Pass), 746; B.A. (Hons.), 80; B.Sc. (Pass), 261; B.Sc. (Hons.), 28; M.B., B.S. (July 1952), 20; B.Com., 115.

DIPLOMAS AND CERTIFICATES. Dipl. in Educn., 35; Higher Dipl. in Educn., 13; Dipl. in Engin., 13; Survey final, 15; Sub-overseer, 6; Adib, 16; Adib-i-Kamil, 17; I.A., 1235; I.Sc., 917; I.Com., 472; I.I.S., 55; Day Course, 26; Book-keeping and Accountancy, 10; Vet. Dipl., 12.

[*Information compiled as at* 22/6/53.]

# UNIVERSITY OF KARACHI *

Founded 1950

*Postal Address*: Princess Street, Karachi, West Pakistan.
*Telephone*: 3385.

CHANCELLOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

PRO-CHANCELLOR—The Hon. THE MINISTER FOR EDUCATION IN THE CENTRAL GOVERNMENT.

VICE-CHANCELLOR—Lt.-Col. ABU BAKR AHMAD HALEEM, B.A. Oxon.

HONORARY TREASURER—A. MUHAJIR, B.A. Madr.

REGISTRAR—MIRZA AKHTAR HOSAIN, M.A. Alld.

DEPUTY REGISTRAR—M. ABDUR RAHIM, M.A., B.L. Calc.

LIBRARIAN—.....

## UNIVERSITY TEACHING STAFF

*Botany*

Warne, L. G. G., M.Sc., Ph.D. Brist. Prof.
Hasnain, S. Z., M.Sc. Alig., Ph.D. Minn. Reader.

Lecturers

Anwar, A. A., Ph.D. Minn.
.....

*Chemistry*

Antonoff, G., D.Sc. Manc. Prof.
..... Reader.

Lecturers

Ahmad, S., M.Sc. Alig.
Hanif Khan, M.A., Ph.D. Calif.

*Economics*

Newman, P. C., Ph.D. Col. Prof.

*Geography*

Schmieder, O., Ph.D. Heidel. Prof.
Pithawalla, M. B., D.Sc. Bomb. and Lond. Reader.

Lecturers

Ahsan, S. Z., M.Sc. Alig.
Siddiqi, S. I., M.A., Ph.D. Alig.

*History*

Husain, Dr. M. Prof.

*Mathematics*

..... Prof.
Kerawala, S. M., M.A. Camb. Reader.

Lecturers

Hanafi, A. R., M.Sc. Alig.
Zaidi, N. H., M.Sc. Alig.

*Philosophy*

Ahmad, M. M., M.A. Alig., D.Phil. Oxon. Reader.

*Physics*

..... Prof.
Karim, S. M., M.Sc. Alig., Ph.D. Tor. Reader.

Lecturers

Tirmizi, S. M. A., M.Sc. Alig.
.....

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

*Zoology* [Prof.
Heegaard, P. E., M.Sc., Ph.D.
Qadri, M. A. H., D.Sc. Alig., Ph.D. Camb. Reader.

Lecturers
Mohiuddin, A., Ph.D. Lond.
Tufail, M., M.Sc. Alig.

## ADMINISTRATIVE AND OTHER STAFF

Superintendent (Academic and General): S. M. Najmuddin, M.A. Patna. Superintendent (Examns.): S. B. Islam, B.A. Panj. Asst. Librarian: A. Moid, B.A., Dip.Lib. Dean of Fac. of Sci.: Dr. M. A. H. Qadri (Zool.).

## TEACHING COLLEGES IN KARACHI RECOGNIZED BY THE UNIVERSITY

CENTRAL GOVERNMENT COLLEGE FOR WOMEN. B.A. and B.Sc. (Pass). Principal—Miss J. J. Mackey, M.A. Lond.

D. J. SIND GOVERNMENT SCIENCE COLLEGE. B.Sc. (Pass). Principal—A. L. Shaikh, M.Sc. Bom.

DOW MEDICAL COLLEGE. M.B., B.S. Principal—Lt.-Col. S. M. K. Mallick, M.D., F.R.C.P.

GOVERNMENT S.T. COLLEGE. B.T. Principal—A. R. Farooqi, B.A., B.T. Bom.

ISLAMIA COLLEGE. M.A. and I.Com. Principal—A. M. Mulavi, M.A. Bom., Dip.O.S. Lond.

N.E.D. GOVERNMENT ENGINEERING COLLEGE. B.E. (Civil, Mech. and Electr.). Principal—M. K. Kewalramani, M.A. Bom.

ST. JOSEPH'S COLLEGE FOR WOMEN. B.A. (Pass). Principal—Sister Mary Alban, B.A. Lond., Dip.Ed. Lond.

ST. PATRICK'S COLLEGE. I.A. Principal—Rev. Father S. Raymond, B.A. Bom., L.Ph., S.T.L. Rome, M.A. Oxon., M.E.D. Wash.

SIND GOVERNMENT COLLEGE OF COMMERCE AND ECONOMICS. B.Com. Principal—A. L. Shaikh, M.Sc. Bom.

SIND MUSLIM COLLEGE. M.A. and I.Sc. Principal—Syed Ghulam Mustafa Shah, M.A., LL.B. Alig., M.Ed. Natal.

SIND MUSLIM LAW COLLEGE. LL.B. Principal—Hassanaly A. Rahman.

URDU COLLEGE. M.A. and B.Com. (Urdu is the medium of instruction.) Principal—Aftab Hasan, M.Sc. Alig., B.Sc. Lond.

## GENERAL INFORMATION

The University of Karachi was brought into existence by an Act of the Central Legislature, and its territorial jurisdiction covers the entire area of the federal capital. Postgraduate teaching and research directly under the control of the University has been started in above departments. It is expected that during the course of the academic yr. 1953–54 a good deal of postgraduate work in other subjects will also be undertaken.

FACULTIES. Islamic Learning; Arts; Science; Law; Medicine; Education; Engineering and Technology; Commerce.

TEACHING HOSPITALS. Civil Hosp., Karachi, and Jinnah Central Hosp., Karachi.

DEGREES AND DEGREE COURSES. *Arts*: B.A. Pass, B.A. Hons. (3 yrs. post-Inter.), M.A. Previous, M.A. Final. *Science*: B.Sc. Pass, B.Sc. Hons. (3 yrs. post-Inter.), M.Sc. Previous, M.Sc. Final. *Law*: 1st LL.B., 2nd LL.B. *Med.*: 1st, 2nd, 3rd and Final Professional M.B., B.S. *Educn.*: B.T. *Engin.*: 1st examn. in Engin., 2nd examn. in Engin., B.E. Parts I and II. *Comm.*: B.Com.

UNIVERSITY MILITARY FORMATION. Univ. O.T.C.

ADMISSION. Minimum qualification for entrance to the Univ. other than Professional Courses is a pass at High School or such other Examns. held under the auspices of a Univ. or Public Bd. as are recognized by the Univ.

FEES. Fees for Univ. Examns. range from Rs. 30 to Rs. 100; Tuition fees, Rs. 12 to Rs. 20 p.m. (for 10 months p.a.).

TERMS. 1st term: June 20 to Oct. 10; 2nd term: Nov. 10 to March 10.

MEDIUM OF INSTRUCTION. English in all subjects at all examns. Urdu in Arts up to M.A., in Sci. up to Inter. and in Comm. up to B.Com.

RECREATION. The Univ. Sports Bd. organizes the activities of the Univ. in this field. Inter-collegiate sports are arranged for hockey, cricket, badminton, football, volley-ball, tennis, table tennis, swimming and athletics.

PUBLICATION. Univ. Science teachers, in collaboration with other scientists of Pakistan, publish *The Scientist*.

## THE YEAR 1951–52

DEATH. Jamshed Nusserwanjee Mehta, Hon. Treasurer of Univ.

STUDENTS. Full-time, 8000.

DEGREES. B.A. (Pass), 150; B.A. (Hons.), 64; M.A., 77; B.Com., 26; LL.B., 100; B.T., 38; B.Sc. (Pass), 12; B.Sc. (Hons.), 39; M.Sc., 6; B.E. (Civil), 8; B.E. (Mech. and Electr.), 6; M.B., B.S. (Final), 16.

[*Information compiled as at* 1/7/53 ;
*Staff list revised on* 1/12/53.]

# THE UNIVERSITY OF THE PANJAB*

## LAHORE

Founded 1882

*Postal Address*: Lahore, West Pakistan.
*Cables*: University, Lahore.
*Telephone* (Registrar): Lahore 3747.

PATRON—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF THE PUNJAB.

VICE-CHANCELLOR AND DEAN OF UNIVERSITY INSTRUCTION—BASHIR AHMAD, M.Sc., Ph.D. Lond., LL.D. Camb.

REGISTRAR—M. BASHIR, B.Sc. Edin.

## TEACHING STAFF

[(U.) = post maintained entirely by the Univ.; (G.C.) = Government College; (F.C.C.) = Forman Christian College; (I.C.) = Islamia College; (D.S.C.) = Dyal Singh College; (T.I.C.) = Talim ul Islam College; (L.W.C.) = Lahore College for Women; (Eng.C.) = Punjab College of Engineering and Technology; (M.A.O.) = M.A.O. College.]

*Arabic*

Koreshi, B. A., M.A. Alig., Ph.D. Berl. Hon. Hd. of Dept. (U.).

Lecturers

Qayyum, A., M.A. (G.C.).
Inayat Ullah, I. (G.C.).
Zaheer-ud-Din, Kazi. (I.C.).
Al-Arabi, M. (U.).
Rasul, K. (U.).
Sarim, A. S. (U.).
Nur-ul-Hassan (U.).

*Astronomy*

Zia-ud-Din, A., M.A., Ph.D. Wales, F.S.S. Curator of Observatory and Hd. of Dept. (U.).
Anwer, M., M.Sc. Lectr. (U.).

*Botany*

Lodhi, S. A., M.Sc. Corn. Reader and Hd. of Dept. (U.).

Lecturers

Hamid, A., M.Sc. (U.).
Salim, M., M.Sc. (U.).
Ikran-ul-Hassan, M.Sc. (U.).
Ahmad, Z., M.Sc. (U.).
Mohajir, A. R., Ph.D. Wis.
Qureshi, A. A., M.Sc., Ph.D. (G.C.).
Ahmad, S., M.Sc., Ph.D. (G.C.).
Muhammad Aslam, M., M.Sc. (G.C.).

*Chemical Technology*

Ahmad, N., Tech. Hochschule, Munich Dir. of Inst. (U.).
Salah-ud-Din, K., M.Sc. Reader (U.).

Lecturers

Rashid, A. A., M.Sc. (Tech.) (U.).
Bandey, A. H., M.Sc. (Tech.) (U.).
Qureshi, A. K., M.Sc. (Tech.) (U.).
Tanweer, A. K., M.Sc. (Tech.).
Shami, M. D., M.Sc. (Tech.).

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

*Chemistry*

Ahmad, B., M.Sc., Ph.D. Lond. Dir. of Inst.
Badruddin, M.Sc., Ph.D. (Gen. and Analyt. C.) Reader and Hd. of Dept. (U.).

Senior Lecturers

Chughatai, I. D., M.Sc., Ph.D. (U.).
Faseeh, S. A., M.Sc., Ph.D. (U.).
Zafrullah, M., M.Sc.
Zahid, M. S., M.Sc. (on study leave) (U.).

Lecturers

Dubash, E., M.Sc. (U.).
Rahman, R., M.Sc. (U.).
Hussain, A., M.Sc. (U.).
Osmanullah, M.Sc.

*Economics*

Akhtar, S. M., M.A., Ph.D. (Econ.) Prof. and Hd. of Dept.
Pal, I. D., M.Sc. Lond. (U.).
Aurakzai, A. A. K., 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.).
Aslam, K. M., M.A. (I.C.).

*Fine Arts*

Ahmad, Mrs. A. Molka Hd. of Dept.
Afzal, Mrs. Anwar, B.A., D.F.A. Lectr. (U.).
Malik, Mrs. Zakia.
Feroz-ud-Din, R., B.A., D.F.A. Demr.

*French*

.....
Lucena, J. S. Temp.

*Geography*

Ahmad, K. S. D., M.A., Ph.D. Lond. Prof. and Hd. of Dept. (U.).

Lecturers

Kureshi, K. U., M.A. (U.).
Omar, A. T., M.A. (U.).
Maryam, Miss K. I., M.A., Ph.D. Lond. (U.).
Khan, F. U., M.A. (G.C.).
Sheikh, A. A., M.A. Lond.
Haye, A., M.A. (I.C.).
Khan, F. U. (G.C.).

*Geology*

Israrullah, M.Sc. Alig., B.Sc. Lond. Reader (U.).

*German*

Koreshi, B. A., M.A. Alig., Ph.D. Berl. (U.).

*History*

Ward, J. D. Prof. and Hd. of Dept.

Lecturers

Hameed-ud-Din, M.A. (U.).
Khan, N., M.A. Lond. (G.C.).
Ali, S., M.A. (G.C.).
Qadir, A. B. A., M.A. (T.I.C.).
Zaidi, Z. H., M.A., LL.B. Alig. (F.C.C.).
Asghar, A., M.A. Alig. (M.A.O.).

*International Affairs*

Friters, G. M., D. ès. Sc. Pol. Geneva Prof.

*Islamic Studies*

Siddiqui, A. D., M.A. Hd. of Dept.

*Journalism*

Khursheed, A. S., B.A. Hd. of Dept.

*Mathematics*

Abdussalam, M., M.A., Ph.D. Camb. Hon. Hd. of Dept.

Lecturers

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.).
Sanaullah Ahmad, R. (I.C.).
Hussain, M. (M.A.O.).

Rashid, A., M.A. (I.C.).
Ahmad, M., M.A. (M.A.O.).
Nasir, A. R., M.A. (Eng.C.).
Mohammad, A. (F.C.C.).
Maqbool, J. M. A. (T.J.C.).

*Mineralogy*

Broch, O. A. Prof.

*Persian*

Baqir, M., M.A., Ph.D. Lond. Prof. and Hd. of Dept.
Abedi, W. H. Reader (U.).
Abid, A. A. S., M.A., LL.B. (D.S.C.).
Tabussum, G. M., M.A., B.T. (G.C.).
Salik, I. D., M.A., M.O.L. (I.C.).
Ahsan, A. S., M.A. (U.).

*Pharmacy*

Amin, M., M.Sc., Ph.D. Paris (U.).
Salahuddin, M.Sc. Lectr. (U.).
Ikram-ul-Hassan, M.Sc. (U.).
Anwar, A. R., M.Sc. (U.).
Khawaja, N. A., B.S.Ph.

*Physical Training*

Khan, T. A., B.A., D.P.E. Dir.
Dar, A. M. Asst. Dir.
Birlas, Mrs. Razia, 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. Lond. Reader (U.).
Chowdhry, A. G., M.Sc. Alig. (on study leave) Sr. Lectr. (U.).

Lecturers

Beg, A. H., M.Sc. (I.C.).
Martin, J. (F.C.C.).

*Political Science*

Friters, G. M., D. ès Sc. Pol. Geneva (Pol. Sci. and Internatnl. Affairs) Prof., Hd. of Dept. (U.).

Lecturers

Hamid, A., M.A. (G.C.).
Ali, S., M.A. (U.).
Judy, R. D., M.A. (F.C.C.).
Aslam, K. M., M.A. (I.C.).

*Spanish*

Lucena, J. S. Hd. of Dept.

*Statistics*

Zia-ud-Din, A., M.A., Ph.D. Wales, F.S.S. Prof. and Hd. of Dept.
Siddiqui, M. D., M.A. (on study leave) (U.).
Iqbal, M., M.A. (on study leave) (U.).
Asghar, A., M.A. (U.).

*Urdu*

Abdullah, S. M., M.A., M.O.L., D.Litt. Prof. and Hd. of Dept.
Asar, G. M. D. (G.C.).
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.).
Nazar, A. Q. (G.C.).

*Zoology*

Sharif, M., D.Sc. Panj., Ph.D. Camb. Prof. (U.).
.....
Ahmad, M., M.Sc. Alig., Ph.D. Chic. (U.).
Sarwar, S., M.Sc. (G.C.).
Ahmad, S., M.Sc. (G.C.).
Bakr, A., M.Sc. Lectr. (U.).

**Editorial Board for Encyclopædia of Islam in Urdu**

Shafi, M., M.A. Camb., D.O.L. Chairman (U.).

## ADMINISTRATIVE AND OTHER STAFF

Dep. Registrar (Examns.) : B. A. Shaikh, M.Sc. Dep. Registrar (Admin.) : M. Afzal, M.A. Officer Special Duty : (Conduct of Examns.) A. Mohyuddin, B.A. Asst. Registrar (Accounts) : S. S. Haider, M.A. Asst. Registrar (Examns.) : S. A. Khan, M.A. Asst. Registrar (General) : A. Rahim, M.A. (on leave). Sec. to Vice-Chancellor : Fazal Ahmad. Univ. Engineer : Qaiser-ud-Din Khan.

## UNIVERSITY COLLEGES

LAHORE, *Hailey College of Commerce.* (*Telephone* : 2968.) Principal—M. Hassan, M.A. Other staff, 11. Facilities up to M.Com.

LAHORE, *Law College.* (*Telephone* : 4453.) Principal—A. Q. Malik, B.A. Other staff, 16. Courses up to LL.M.

LAHORE, *Oriental College.* (*Telephone* : 2573.) Principal and Prof. in *Arabic*—B. A. Koreshi, M.A. Alig., Ph.D. Berl. Other staff, 17. M.A. courses in Arabic, M.O.L. in all subjects ; Proficiency and High Proficiency Classes in Arabic, Persian and Urdu, res. facilities for Ph.D.

## TEACHING COLLEGES IN LAHORE AFFILIATED TO THE UNIVERSITY, MAINTAINED BY THE GOVERNMENT OF THE PUNJAB

### Dentistry

LAHORE, *de Montmorency College of Dentistry* (*Telephone* : 4695) (*Govt.*). B.D.S. Principal—H. R. Shah, B.Q. Other staff, 20.

### Engineering

LAHORE, *Punjab College of Engineering and Technology.* (*Telephone* : 4473.) B.Sc. Eng. (Civil, Mech. and Elect.). Principal—Abdul Aziz, B.E. Roorkee. Other staff, 29.

### Medicine and Surgery

LAHORE, *Fatimah Jinnah Medical College for Women.* (*Telephone* : 3767.) M.B., B.S. Principal—Shujaat Ali, M.D. Other staff, 19.

LAHORE, *K.E. Medical College.* (*Telephone* : 3377.) M.Sc.—Physiol., M.B., B.S., M.D., M.S., D.L.O. Principal—Lt.-Col. Ellahi Bakhsh, M.D., B.S. Lond. Other staff, 65.

MULTAN, *Nishter Medical College.* Principal—M. J. Bhutta, M.B., B.S., D.P.H.

### Teaching

LAHORE, *Central Training College.* (*Telephone* : 3691.) B.T. Principal—B. A. Hashmi, M.A., M.Ed. Other staff, 16.

LAHORE, *Islamia College for Women.* (*Telephone* : 3574.) B.T. Principal—Mrs. Shamim A. Khan, M.A., M.O.L., LL.B. Other staff, 32.

LAHORE, *Lady Maclagan Training College for Women.* (*Telephone* : 4447.) B.T. Principal—Saeeda Begum, M.A., B.T. Other staff, 11.

### Veterinary Science

LAHORE, *Punjab Veterinary College.* (*Telephone* : 3414.) B.V.Sc. Principal—S. M. Sarwar. Other staff, 32.

## TECHNICAL COLLEGE OUTSIDE LAHORE AFFILIATED TO THE UNIVERSITY

LYALLPUR, *Agricultural College (Govt.)*. B.Sc. in Agric.; Agric., Bot., Chem., Zool. and Entomol. for M.Sc. in Agric. Principal—A. W. Choudhari, B.Sc. Edin. Other staff, 35.

## 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., St., 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 Sc., Mineral., Chem., Persian, Punjabi, Philos., Pol. Sci., Statistics, Physics, Psychol., Sanskrit, Technical Chemistry, Theology, Urdu and Zoology.

### Arts and Science

BAHAWALPUR, *Sadiq Egerton College*. M.A., M.; B.A., A., E., M. (A and B Courses), Ec., H., A., P., U., Isl., St. Officiating Principal—M. Abdul Haq, M.A. Other staff, 21.

CAMPBELLPUR, *Government College*. B.A.—E., H., Ph., Psych., Mil., Ec., M. (A and B Courses), A., P., S., U., Hi., Pb., Geog., Ch., Is., Pol. Sci. Principal—A. Hamid, M.A. Other staff, 20.

CHAKWAL, *Government College*. B.A.—E., H., Ec., Ph., G., Pol. Sc., M. (A and B Courses), A., Isl., P., U., Ch. Principal—Mansur-ul-Aziz Minhas, M.A. Other staff, 17.

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—.....

GUJRANWALA, *Islamia College*. B.A.—A., E., Ec., Geog., H., Hi., Isl., M., P., Ph., U. Principal—M. A. Hassan. Other staff, 13.

GUJRAT, *Girls' College*. B.A.—E., Ec., A., U., H., Ph., P., Isl., Pol. Sc. Principal—Mrs. Surrya Saleem. Other staff, 8.

GUJRAT, *Zamindra College*. B.A. and B.Sc.—E., P., S., A., M., Ec., Ph., Pol. Sc., H., U., Pb., Hi., Ps., Ch., Isl. Principal—Ghulam Sarwar, M.A. Leeds and Panj. Other staff, 31.

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.—E., 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—Syed Abid Ali Abid, M.A., LL.B. Other staff, 31.

LAHORE, *Forman Christian College*. M.A., M.Sc.—E., Ec., H., M., Pol. Sc., Psych., Ch., U., B., Geog.; 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., Z. Principal—R. M. Ewing, M.A. Prin. Other staff, 39.

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. Other staff, 80.

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—M. M. Sharif, M.A., Ph.D. Camb. Other staff, 56.

LAHORE, *Islamia College for Women.* M.A.—A., Geog., H., U.; B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., Geog., U., Isl. Principal—Mrs. Shamim A. Khan, M.A., M.O.L., LL.B. Other staff, 28.

LAHORE, *Kinnaird College for Women.* B.A.—E., Ec., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., As., A., F. Principal—Miss Mangat Rai, M.A. Harv. Other staff, 18.

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., Z. Principal—Mrs. Henry Lall, M.A. Other staff, 27.

LAHORE, *M.A.O. College.* B.A.—A., E., Ec., H., M. (A and B Courses), P., Pol. Sc., S., U., H., Ph., Ps., Ch., B., Z.; M.A. and M.Sc.—M., H., Ec., Pol. Sc., St., Ps., Ch., Z., B. Principal—Dilawar Hussain, M.A., LL.B., M.A. Camb. Other staff, 24.

LAHORE, *Talim-ul-Islam College.* B.A.—A., E., H., M. (A and B Courses), Isl., P., Pol. Sc., S., U., Ph., Ec., Chem., Ps.; M.A. and M.Sc.—Ch., Pol. Sc., Ec., M., A., U. Principal—M. N. Ahmad, M.A. Oxon. Other staff, 20.

LYALLPUR, *Government College.* B.A., B.Sc.—A., Ch., E., Ec., H., Hi., M. (A and B Courses), P., Pb., Ph., Pol. Sc., Ps., S., U., B., Z. Principal—Taj Muhammad Khayal, M.A. Other staff, 42.

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., Z. Principal—Miss Naima Abdullah, M.A. Other staff, 15.

LYALLPUR, *Islamia College.* B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., S., U., Isl. Principal—Hashmat Khan, 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. Other staff, 16.

MONTGOMERY, *Government College.* B.A.—E., M., H., Ec., Ph., Geog., Pol. Sc., U., S., A., P., Hi., Pb., Isl. Principal—F. M. Khan, M.Sc. Other staff, 26.

MONTGOMERY, *Government College for Women.* B.A.—E., H., Ec., Ph., Geog., M., A., P., U., Isl. Principal—Kemla Banerji. Other staff, 8.

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., Ch. Principal—Syet Saadet Ali Shah, M.A. Other staff, 34.

MULTAN, *Government College for Women.* B.A.—A., E., Ec., Geog., H., M., P., Pb., Pol. Sc., U., Ph., S., Hi., Isl. Principal—Miss Iqbal Malik, M.A., B.T. Other staff, 13.

QUETTA, *Government College.* B.A.—E., Ph., H., Pol. Sc., Ec., A., P., U., M., Geog., Psych., Z., Ch., Ps., Isl. Principal—K. A. Chishti, M.A.

RAWALAKOT, *Intermediate College.* B.A.—E., M., P., U., Ec., Ch., A. Principal—Sh. Mahmud Ahmad, M.A., LL.B. Other staff, 9.

RAWALPINDI, *Gordon College.* M.A.—E., U.; B.A., B.Sc.—A., E., Ec., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., F., Ps., Ch., B. Principal—R. R. Stewart, M.A., Ph.D. Col. Other staff, 38.

RAWALPINDI, *Government College.* B.A., B.Sc.—E., M., H.; Ec., Pol. Sc., Ph., Geog., Ps., A., P., Ch., U., Isl. Principal—Ghulam Ahmad, M.Sc. Other staff, 24.

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. Kaniz Siddiqi, M.A., Ph.D. Chic. Other staff, 14.

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. Other staff, 24.

SIALKOT, *Government College for Women.* B.A.—E., Ec., Ph., H., Geog., M., A., P., U., Isl. Principal—Miss Amir Munimuddin, M.A. Other staff, 11.

SIALKOT, *Jinnah Islamia College.* E., M. (A and B Courses), H., Ph., Pol. Sc., A., P., Isl., U. Principal—Alhaj Mohammad Yusuf Hashmi, M.A. Other staff, 15.

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., Isl., Hi. Principal—D. L. Scot, M.A. Edin., B.D. Other staff, 26.

## GENERAL INFORMATION

Established in 1882, the University is the oldest in Pakistan and was the fourth to be established in the Indo-Pakistan sub-continent. Until 1919 the Univ. confined its activities mainly to examns., the control of affiliated institutions and the provision of instruction in its Oriental and Law Colls. It has since 1919 undertaken the maintenance of Univ. teaching Depts. for post-graduate instruction and res. and co-ordination of advanced teaching. Hons. Schs. exist in Bot., Zool., Chem., Chem. Technol., Phys. and postgraduate teaching is provided in Econ., Arabic, Sansk., Stats., Persian, Maths., Hist., Polit. Sci., Geog., Bot., Zool., Phys., Chem., Chem. Technol., Urdu, Islamiyyat and Astron. Besides the Univ. Profs. and Readers and Lectrs., Sr. Teachers of the local Colls. are associated with Univ. teaching. There are Hons. Papers in 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, Spanish 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 medium of instruction and examn. in Arts subjects at the Matricn. and Inter. stages.

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. *Agriculture,* K. A. Rehman, Dir. of Agric., Punjab; *Arts,* Prof. M. M. Sharif; *Commerce,* M. Hassan; *Dentistry,* H. R. Shah; *Education,* The Dir. Publ. Instr., Punjab; *Engineering,* M. Azam Khan; *Law,* Justice S. A. Rahman; *Medicine,* Col. F. M. Khan, Dir. of Health

Services, Punjab; *Oriental*, Maulvi M. Shafi; *Science*, Dr. Niaz Ahmad; *Vet. Science*, S. M. Sarwar.

ADMISSION. Students must have passed the Univ. Matricn. Examn. The Univ. *Calendar*, vol. I, lists the examns. of other Univs., etc., recognized as equivalent to the corresponding examns. of the Univ. The London, Cambridge, Oxford and Northern Universities General Cert. of Educn. and the School Certif. examns. of these bodies, and of Hong Kong, are generally recognized as equivalent to the Panjab Univ. Matricn. Examn.; provided the subjects taken by the candidate satisfy the requirements of Panjab Matricn. Examns. of other approved Univs. are recognized by the Syndicate and Academic Council.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc.Engg., M.Sc.Tech.; B.Sc. (Agri.), M.Sc. (Agri.); LL.B., LL.M., LL.D.; M.B., B.S., M.S., M.D., M.Sc. (Medical), M.Sc. (Anatomy), D.L.O., B.Pharm., B.D.S., M.D.S., B.V.Sc.; B.T.; (in Oriental Learning) B.O.L., M.O.L., Ph.D., D.O.L.

DIPLOMAS. Dom.Sci., Fine Arts, Journalism, Stats., Public Health, 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 Interm. examn., and further courses of 2 yrs., 1 yr. and 2 years to the B.O.L., M.O.L. and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency and Hons. in Arabic, Sanskrit, Persian, Urdu, Hindi, Panjabi and Pashto: Hons. admit to the Oriental titles: Maulvi Fazil (Arabic), Shastri (Sanskrit), Munshi Fazil (Persian).

The UNIVERSITY FOREIGN INFORMATION BUREAU advises and helps students who go abroad for advanced studies. Sec., Kazi Saeed ud-Din Ahmad, M.A., Ph.D. Lond.

RESIDENCE. Undergraduates in Lahore Colls., unless living with their guardians, are ordinarily required to reside in Coll. hostels or in hostels recognized by the Univ.

GRANTS TO COLLEGES. Grants are given by the Univ. to Mofussil Colls. for prosecution of research, and to Colls. affiliated to M.A. standard, for library books required by M.A. students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the Univ. at Lahore and Mofussil Colls.

ENDOWMENTS AND SCHOLARSHIPS. 70 Endowment Funds for award of prizes, medals and scholps. to students. In addition, there are numerous Univ. scholps.; 80 for Matricn. examn.; 40 for Inter. examn.; and 23 scholps. in various subjects tenable for 2 to 4 yrs.—Indo-Oriental Studies, Hist., Sanskrit, Pali or Prakrit, Arabic, Panjabi, Sci., Physics and Maths. A postgraduate State scholp. is open to graduates of the Univ. between 21 and 25 yrs. for study in a recognized Univ. in the United Kingdom. 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. *History of Lahore* by Dr. M. Baqir (Oriental Publicn.); *Proceedings* of the Physics Teachers' Conference; *Calendar* (2 vols.), Rs. 6 (annual); *Gazette*, Rs. 4 (monthly).

## THE YEAR 1951–52

The report of the Univ. Commission apptd. in 1950 was considered. The main recommendations were: appt. of an autonomous Bd. of Secondary

Educn. to take charge of pre-Univ. educn. to enable the Univ. to have full opportunity to devote itself to its proper sphere of educn.; conversion of the Univ. into a Federative-Affiliating Institution; changes in the constitution of the various Univ. bodies; creation of Fac. of Langs. and conversion of present Oriental Coll. into Coll. of Oriental and European langs.; B.A. and B.Sc. courses to be of 3 yrs.' duration; Engl. to be retained as medium of instruction in Degree course for 7 yrs. except in Law and Educn., in which there should be an option to use Urdu or Engl. for 7 yrs.

NEW DEPARTMENT AND POST. Dept. of Mineralogy established through co-operation between Govt. of Pakistan and UNESCO; course of Mineral Chem. given during autumn session of 1952. Dept. of Geol. strengthened with appt. of Reader; arrangements made for teaching the subject at undergrad. stage.

STUDENT NUMBERS.

| | *Part-Time** | *Full-Time* |
|---|---|---|
| Men | 5086 | 16,817 |
| Women | 905 | 1,836 |
| Total | 5991 | 18,653 |

DEGREES. B.Sc., 176; M.Sc., 59; B.A., 960; B.A. Hons., 45; B.Sc. Hons., 11; B.Sc. Hons., School, 9; M.A., 199; Ph.D., 2; B.Com., 54; B.D.S., 7; B.T., 186; LL.B., 194; M.B., B.S., 89; B.V.Sc., 16; M.D., 1; B.Sc. (Agri.), 68; M.Sc. (Agri.), 17; Final (Civil) Engg., 44; Final (Mech.) Eng., 27; Final (Elect.) Engg., 26.

POSTGRADUATE DIPLOMAS. Special Test in Law, 5; Pub. Health, 6; T.D.D., 3; D.M.R.E., 3; Dom.Sci., 13; Journalism, 38; Stats., 12; French, 2; Spanish, 4; International Affairs, 4; Fine Arts, 1.

* Private students who appeared in the various University Examinations.

# UNIVERSITY OF PESHAWAR*

Established 1950

*Postal Address*: Peshawar, N.W.F.P., West Pakistan.
*Telephones*: Vice-Chancellor, Peshawar 178. Registrar, Peshawar 173. Deputy Registrar, Peshawar 177.

CHANCELLOR—The Hon. KHAN ABDUL QAIYUM KHAN, B.Sc. Lond., Premier, N.W.F.P.

VICE-CHANCELLOR—M. R. SIDDIQI, M.A. Camb., Ph.D. Leipzig, Hon. D.Sc. Osm.

REGISTRAR—SHEIKH MINHAJUDDIN, M.Sc.

DEAN OF UNIVERSITY INSTRUCTION—.....

DIRECTOR OF RESEARCH—.....

## HEADS OF DEPARTMENTS

*Arabic*
El-Housseini, A. M. A., M.A. Fuad, D.Litt. Alexandria
Reader and Hd. of Dept.

*Economics*
Mukhtar, A., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

*Education*
Alwi, A. H., M.A., B.T.
Hd. of Dept.

*Engineering*
Lodge, C. R., M.S., Ph.D. Iowa
Prof. and Hd. of Dept.

*English*
Brooks, B. G., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

*Law*
Wali Ullah, M., B.A., LL.B.
Prof. and Hd. of Dept.

*Mathematics and Physics*
Siddiqi, R. D., M.A. Camb., Ph.D. Leipzig, D.Sc.
Prof. and Dir. of Res.

## ADMINISTRATIVE STAFF

Dep. Registrar: A. Hassan, M.A. Panj., M.A. Cairo. Asst. Registrar, Examns.: ..... Asst. Registrar, Accounts: M. S. Burq. Librarian: A. Subuh.

## AFFILIATED COLLEGES

ABBOTTABAD, *Govt. College.* B.A.—Eng., Pers., Arab., Urdu, Econ., Hist., Pol. Sc., Maths. Principal—Ehsanullah Khan, M.A., Ph.D. Bonn. 13 other Teachers.

D. I. KHAN, *Govt. College.* B.A.—Eng., Maths., Hist., Pers., Pol. Sc., Urdu, Phys. Principal—Khwaja Mohd. Ashraf, M.A., B.T. 11 other Teachers.

PESHAWAR, *Convent College for Women.* B.A.—Eng., French, Hist., Econ., Pol. Sc. and Pers. Principal—Rev. Mother Agnes, M.A. 8 other Teachers.

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

PESHAWAR, *Edwardes College.* B.A.—Eng., Hist., Maths., Econ., Phil., Pers., Arab., Urdu and Pol. Sc. Principal—W. F. Cannon Hawkes, M.A. Camb. 14 other Teachers.

PESHAWAR, *Frontier College for Women.* B.A.—Eng., Hist., Phil., Econ., Maths., Geog., Pers., Arab. and Urdu. Principal—Mrs. Anne C. T. Brotherton, M.A. 15 other Teachers.

PESHAWAR, *Govt. Islamia College.* B.A., B.Sc.—Phys., Chem., Bot., Zool., Agr., Hist., Eng., Maths., Econ., Pol. Sc., Phil., Geog., Pers., Urdu and Islamiyyat. Principal—A. C. T. Brotherton, M.A. Edin. 56 other Teachers.

## GENERAL INFORMATION

The foundation-stone of the Univ. was laid in Oct. 1950, by the late Hon. Mr. Liaquat Ali Khan, Prime Minister of Pakistan. Existing colls. in N.W.F.P. are affiliated to it up to B.A. and B.Sc. standards. Postgrad. teaching is done under direct control of Univ., in some cases with co-operation of Peshawar colls. Postgrad. classes already exist in Educn., Maths., Engl., Econ. and Law. An Engin. Coll., which will train students up to B.Sc., will function from Oct. 1952. The plan for the next 5 yrs. includes the opening of teaching depts. in Agric., Phys., Chem., Bot., Zool., Arabic, Persian, Hist., Geog. 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 members of Senate by the Chancellor, Vice-Chancellor and various Facs. The Vice-Chancellor acts as Chairman.

FACULTIES AND DEANS. *Agric.*, Prof. M. M. Ahmad (Govt. Islamia Coll.); *Arts*, Dr. A. Mukhtar (Econ.); *Educn.*, Dir. of Public Instruction, N.W.F.P.; *Islamiyyat*, M. N. Haq (Govt. Islamia Coll.); *Law*, Hon. K. B. Md. Ibrahim Khan; *Oriental*, Dr. A. M. A. El-Housseini (Arabic); *Sci.*, Dr. R. D. Siddiqi (Maths. and Phys.).

INCOME (1952–53). Grant from Provincial Govt.: Recurring, Rs. 4,00,000; Non-recurring, Rs. 8,00,218; Grant under Social Uplift Scheme, Rs. 10,17,200; other sources, Rs. 2,02,434. Total, Rs. 24,19,852.

HOSTEL. Hostel for men accommodates 200 students.

EXTENSION LECTURES. The Univ. has started a series of extension lectures in affiliated colls., delivered by Univ. staff and other persons.

## THE YEAR 1951–52

NEW BUILDINGS. Univ. Hostel to accommodate 200 students has been completed and occupied. Sci. labs. for res. work in Phys. nearing completion. Bot. and Zool. labs. under construction. Engineering Coll. completed, and classes started in Nov. 1952. Residential houses for staff are being built; 13 bungalows and 11 quarters were completed.

CONFERENCES. All-Pakistan Pol. Sc. Conference and All-Pakistan Sc. Conference were held under the auspices of the Univ. in 1951–52. Delegates from England, Egypt and other foreign countries also attended these conferences.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 1830 |
| Women | .. | 245 |
| Total | .. | 2075 |

Postgraduate students : 147 men, 13 women.
Students from other countries, nil.

[*Information compiled as at* 1/7/53.]

# UNIVERSITY OF SIND*

Founded 1947

*Postal Address*: Hyderabad, Sind, West Pakistan.
*Telegrams:* University, Hyderabad, Sind.
*Telephone* (Office): 229, 230.

CHANCELLOR—H.E. THE GOVERNOR OF SIND.

PRO-CHANCELLOR—THE HON. THE CHIEF MINISTER OF SIND.

VICE-CHANCELLOR—ALLAMA I. I. KAZI.

REGISTRAR—T. A. AGHA, B.A. Bom., B.T. Alig.

DEPUTY REGISTRAR—MOHAMMAD HUSAIN, M.A.

SUPERINTENDENT OF ACCOUNTS—RAZA MOHAMMAD BHUTTO.

SUPERINTENDENT OF GENERAL AND ACADEMIC SECTIONS—S. G. H. KAZMI.

SUPERINTENDENT OF EXAMINATION SECTION—ABDUL QADIR.

LIBRARIAN—J. W. SAYED, M.A.

## STAFF OF TEACHING DEPTS.

*Econ., General Hist. and Pol. Sci.*

Khan, N. A. G., M.A., Ph.D. Bom. Asst. Prof.

*Education*

Baloch, N. B., M.A., LL.B. Alig., M.A., Ed.D. Col. Prof.

Jatoi, M.A., B.T. Asst. Prof.

Kazi, N. B. G., M.A. Asst.

*English*

Sayed, J. W., M.A. Asst. Prof.

*Philosophy and Psychology*

Hamid, K. A., Ph.D. Berl. Prof.

*Religion, Islamic Culture, Muslim History*

Halepota, A. J., M.A. Bom., D.Phil. Oxon. Prof.

*Sindhi*

Channa, M. A., M.A. Asst. Prof.

*Urdu*

Kazi, M. M., M.A. Asst. Prof.

## AFFILIATED INSTITUTIONS RECOGNIZED IN DEGREE COURSES

The Colleges affiliated to this University represent all the Faculties, as mentioned below:

**Arts**

Dean—Hon. S. M. Mohammad Shah.

HALA, *Sarwari Islamia Arts College.* Inter. Principal—M. A. Channa, B.T.

HYDERABAD, *City Arts College,* Station Rd. M.A. Principal—S. K. Rahim, M.A., LL.B.

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

HYDERABAD, *Govt. College.* M.A. Principal—Duarte, M.A., D.Litt.

HYDERABAD, *Nazareth College.* B.A. Principal—Rev. Mother Teresa.

HYDERABAD, *Oriental College.* Oriental Makdoom Langs. Principal—Amir Ahmad.

MIRPURKHAS, *Shah Abdul Latif Arts College.* B.A. Principal—M. A. Alvi, M.A.

SHIKARPUR, *C. and S. Govt. College.* M.A. Principal—A. C. S. Gillani, M.A., Ph.D.

### Science

Dean—M. B. Pithawalla, D.Sc., B.A.

HYDERABAD, *Govt. College.* B.Sc. Principal—Duarte, M.A., D.Litt.

HYDERABAD, *Nazareth College.* Inter. Sc. Principal—Rev. Mother Teresa.

SHIKARPUR, *C. and S. Govt. College.* Inter., B.Sc. Principal—A. C. S. Gillani, M.A., Ph.D.

### Medicine

HYDERABAD, *Liaquat Medical College.* Principal—S. H. Zaidi, M.D.

### Law

HYDERABAD, *Law College,* Risala Rd. LL.B. Principal—Sikandar Beg Mirza.

### Technology

Dean—A. M. Shaikh, Ph.D.

SAKRAND, *King George V Institute of Agriculture.* M.Sc.Agri. Principal—R. S. Bapubhai Desai, M.Sc. (Agri.).

## GENERAL INFORMATION

The idea of a separate University for Sind was first broached in 1886, when the then Principal of the D. J. Sind College, Karachi, predicted that the province would need a separate University to serve its distinctive cultural needs. In 1940 the autonomous Govt. of Sind appointed the Sind University Committee to go into the entire problem of a separate Univ. The Report of the Cttee., issued in 1941, covered the entire field of organizational and academic issues involved. But action on the Report was delayed till a regular Bill for the creation of a separate Univ. for Sind was introduced in the local legislature in 1945, and became an Act in 1947.

Since a separate Karachi University for the Karachi Federal Area was established as from session 1951–52, the headquarters of the University of Sind were moved from Karachi to Hyderabad in May 1951.

The University is now an affiliating, examining and teaching Univ. Most of the teaching work is carried on by the affiliated colls., but postgraduate teaching under the direct control of the Univ. has been started and there are schemes for the taking over by the Univ. of all postgrad. teaching and research. The dept. of Sindhology is designed to organize extensive res. work in the hist., lit., lang., folk-lore, economic conditions and material resources of the Province of Sind.

A Univ. township scheme has been prepared and has been approved in principle by the Provincial and Central Govts. The scheme envisages the establishment of the following institutions under direct Univ. control : Educn.

Dept. with Model Primary Sch. and Model Collegiate Sec. Sch.; Arts Colls.; Commerce Colls.; Law Coll.; Sci. Coll.; Engin. Coll.; Technical Inst.

A FOREIGN UNIVERSITIES' BUREAU OF INFORMATION has been set up to guide all students in West Pakistan who desire to study in the Universities of U.K. and U.S.A.

LIBRARY. 18,000 MSS.

ADMISSION TO COURSES IN UNIVERSITY TEACHING DEPARTMENTS. *M.Ed.*: candidates must have had 1 yr.'s teaching experience after passing B.T., M.A., M.Sc. or LL.B. (with B.A. degree) in the 1st class or 2nd class. *B.T.*: candidates must be grads. of Sind or a recognized Univ. and must have taught for at least 1 yr. *D.Ed.*: candidates possessing M.Ed. of Sind or a recognized Univ. may register. *D.Phil.*: candidates possessing M.A. or M.Sc. of Sind or a recognized Univ., or an equivalent examn. of a recognized Univ., will be allowed to register provisionally. *M.A.* (in Religion and in Islamic Culture): those who have passed the examn. for the B.A. or B.Sc. of Sind or a recognized Univ., or equivalent degree of any recognized Univ., are eligible for admission.

DEGREES. *Arts*—B.A. (Pass and Hons.); M.A.; M.Ed.; D.Phil.; D.Ed. *Science*—B.Sc. (Pass and Hons.); M.Sc. *Law*—LL.B. *Technology*—B.Sc. (Agri.); M.Sc. (Agri.); B.Com.; B.T.; B.E.; M.B., B.S.

The ACADEMIC YEAR is divided into 2 terms: (1) July 20 to Nov. 10; (2) Nov. 20 to March 20.

RECOGNITION OF EXAMINATIONS OF OTHER UNIVERSITIES. Examns. of all statutory Univs. in India and Pakistan are recognized for the purpose of admission.

TERM FEES. M.Ed. course, Rs. 175.

RECREATION. The University Board of Sports organizes the Univ.'s sports activities. Individual Colls. also provide facilities for indoor and outdoor games.

PUBLICATION. *Calendar.*

## THE YEAR 1950–51

STUDENTS. Total: 4091 (all full-time).

DEGREES. B.A., 137; M.A., 18; B.Sc. (Agri.), 5; B.Com., 10; B.T., 5; B.E., 13; LL.B., 75; M.B., B.S., 7; B.Sc., 38.

# THE COLONIES

UNIVERSITY OF HONG KONG (p. 1437)
UNIVERSITY OF MALAYA (p. 1445)
ROYAL UNIVERSITY OF MALTA (p. 1453)
UNIVERSITY COLLEGE OF THE GOLD COAST (p. 1457)
UNIVERSITY COLLEGE, IBADAN (p. 1463)
MAKERERE COLLEGE, THE UNIVERSITY COLLEGE OF EAST AFRICA (p. 1469)
UNIVERSITY COLLEGE OF THE WEST INDIES (p. 1474)
IMPERIAL COLLEGE OF TROPICAL AGRICULTURE (p. 1479)
COLLEGE OF AGRICULTURE, MAURITIUS (p. 1483)

# 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. 119). 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, among 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, Her Majesty's Government in the United Kingdom has contributed £7 million for capital purposes from funds available under the Colonial Development and Welfare Acts of 1945 and 1950.

The three Universities award their own degrees. The four University Colleges provide courses leading to the degree examinations of the University of London, with which they are in special relationship; by this arrangement the academic boards of the Colleges work out with the University special syllabuses adapted to local conditions, and members of the College staffs assist in the examining of their own students. In addition to courses leading to University of London degree examinations, the University Colleges provide, in some subjects, courses leading to their own diplomas and certificates.

The academic year is from Oct. to June, except at Makerere, where it is from March to Dec. The institutions, except Malta, are either wholly, or for the majority of students, residential. The language of instruction is English.

All have Faculties of Arts and Natural Science; all, except the Gold Coast, Medicine. Social Sciences are taught at Hong Kong, Malaya, Gold Coast and Makerere; Veterinary Science at Makerere; Engineering and Architecture at Malta and Hong Kong; Dentistry at Malaya; Theology at Malta and Gold Coast; Law at Malta; Education at Hong Kong, Malaya, West Indies, Gold Coast and Makerere. West Indies, Gold Coast, Ibadan and Makerere have departments of Extra-Mural Studies.

All are active centres of research as well as of teaching. At three of the colleges, West Indies, Ibadan and Makerere, regional Institutes of Social and Economic Research have been established with grants under the Colonial Development and Welfare Acts.

In addition to the three Universities and four University Colleges, there are in the Colonies several other institutions of research and higher education, including two specialized agricultural colleges, the Imperial College of Tropical Agriculture, Trinidad, and the College of Agriculture, Mauritius.

THE INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION IN THE COLONIES, 1 Gordon Square, London, W.C.1. (*Telegrams*: Interuniv London; *Telephone*: Museum 8916). The Inter-University Council was created in March 1946 by the Universities in Great Britain and Northern Ireland and the existing Universities in Colonial territories, at the invitation of the Secretary of State for the Colonies, for the purposes of—

"strengthening co-operation between the Universities of Great Britain and Northern Ireland and the Universities in territories in respect of which the Secretary of State for the Colonies has responsibility;

fostering the development of higher colleges in the British Colonies and their advance to University status;

giving effect to the principles recommended by the Asquith Commission on Higher Education in the Colonies for the promotion of higher education, learning and research in the British Colonies ;

discharging the tasks which the Secretary of State for the Colonies has invited them to undertake ;

taking other appropriate action for the development of higher and particularly University education for the peoples of the British Colonies, Protectorates, Mandated Territories and the High Commission Territories in South Africa ;

and, at the invitation of the Governor-General of the Sudan, performing, in relation to the development of higher education in the Sudan, functions analogous to those which they undertake in relation to the Colonial territories."

The Council's composition is : Chairman : Sir Alexander Carr-Saunders, M.A., LL.D., D.Litt., Litt.D., D. en Droit, F.B.A. Vice-Chairman : Sir Raymond Priestley, M.C., M.A., D.Sc., LL.D., D.Litt.

Representative Members : *Aberdeen* : T. M. Taylor, C.B.E., Q.C., M.A., LL.D., D.D. ; *Belfast* : Prof. F. H. Newark, M.A., B.C.L. ; *Birmingham* : Prof. A. P. Thomson, M.C., M.D., F.R.C.P. ; *Bristol* : Sir Philip Morris, C.B.E., M.A., LL.D. ; *Cambridge* : Sir Henry Thirkill, C.B.E., M.C., M.A. ; *Durham* : Sir James Duff, M.A., M.Ed., LL.D., D.C.L. ; *Edinburgh* : Prof. M. Grant, O.B.E., M.A. ; *Glasgow* : Prof. L. J. Davis, M.D., F.R.C.P. Lond. and Edin., F.R.F.P.S. Glas. ; *Hong Kong* : Col. L. T. Ride, C.B.E., M.A., D.M., B.Ch., LL.D. ; *Leeds* : Sir Charles Morris, M.A., LL.D. ; *Liverpool* : Prof. J. G. Wright, D.Sc., M.V.Sc., F.R.C.V.S. ; *London* : Sir Alexander Carr-Saunders, M.A., LL.D., D.Litt., Litt.D., D. en Droit, F.B.A., and Prof. R. V. Christie, D.Sc., M.D., F.R.C.P. ; *Malaya* : Sir Sydney Caine, K.C.M.G., B.Sc. ; *Malta* : J. A. Manché, B.Sc., M.D.; *Manchester* : Prof. C. W. Wardlaw, Ph.D., D.Sc. ; *Nottingham* : B. L. Hallward, M.A. ; *Oxford* : Sir Douglas Veale, C.B.E., M.A., LL.D. ; *Reading* : Prof. H. G. Sanders, M.A., Ph.D. ; *St. Andrews* : Very Rev. G. S. Duncan, O.B.E., M.A., D.D., LL.D., D.Theol. ; *Sheffield* : Prof. L. E. S. Eastham, M.A., M.Sc. ; *Southampton* : D. G. James, M.A. ; *Wales* : A. Steel, O.B.E., M.A.

Co-opted Members : Prof. T. H. Davey, O.B.E., M.D., D.P.H. ; Dame Lillian Penson, D.B.E., LL.D., D.Lit., D.Litt., Ph.D. ; Margery Perham, C.B.E., M.A., LL.D. ; Sir Raymond Priestley, M.C., M.A., D.Sc., LL.D., D.Litt. ; Sir Ivor Jennings, Q.C., M.A., Litt.D., LL.D. ; Prof. Sir David Hughes Parry, M.A., D.C.L., 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., LL.D.

Asst. Secretary : I. C. M. Maxwell, M.A.

Library Adviser : R. Offor, B.A., Ph.D.

Among the duties of the Council is the organization of periodical visits by its members or other academic specialists to the Colonial institutions of higher education. The Council has undertaken recruitment of staff for the Universities and Colleges in the Colonies and advised the Colleges on such questions as constitutions, conditions of

service for staff, building programmes, academic development, recognition of diplomas, scholarship policy and library services. The Council reviews the academic aspects of applications submitted to the Colonial University Grants Advisory Committee, on which it is represented by two of its members.

THE COLONIAL UNIVERSITY GRANTS ADVISORY COMMITTEE. The Committee was appointed in 1946 by the Secretary of State for the Colonies with the following terms of reference :

" The function of the Committee will be to advise the Secretary of State for the Colonies on all matters which he may refer to it, relating to the expenditure of United Kingdom funds for the development of higher education in the Colonies. It is expected that in advising on these matters, the Committee will take into account the funds available for Colonial higher education from sources other than the United Kingdom Government. On the academic aspects of the proposals which are referred to it, the Committee will be guided by the opinion of the Inter-University Council for Higher Education in the Colonies."

The members are : Sir Hector Hetherington, K.B.E., D.L., M.A., LL.D., D.Litt. (Chairman); H. T. Bourdillon, C.M.G. ; Sir Christopher Cox, K.C.M.G. ; Sir John Huggins, K.C.M.G. ; Sir Walter Moberly, G.B.E., K.C.B., D.S.O. ; Sir Charles Morris, M.A., LL.D. ; Keith Murray, B.Litt., M.A., B.Sc., Ph.D. ; Dame Lillian Penson, D.B.E., LL.D., D.Lit., D.Litt., Ph.D. ; D. J. Sloss, C.B.E., LL.D. ; Sir Arthur Trueman, K.B.E., D.Sc., F.R.S. ; Sir Douglas Veale, C.B.E., M.A., LL.D. ; Secretary : Walter Adams, C.M.G., O.B.E., B.A., LL.D. ; Asst. Secretary : I. C. M. Maxwell, M.A.

[*Information compiled as at June* 1953;
*Staff list revised on* 2/11/53.]

# UNIVERSITY OF HONG KONG*

Founded 1911

*Telegraphic Address*: University, Hong Kong.
*Telephone*: Hong Kong 37021.

CHANCELLOR—H.E. THE GOVERNOR OF HONG KONG.

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TREASURER—M. W. TURNER, M.A. Oxon.

REGISTRAR—B. MELLOR, M.A. Oxon., Dip.Ed.

BURSAR—A. W. WILSON.

LIBRARIAN—Mrs. DOROTHEA SCOTT.

## TEACHING STAFF

*Anatomy*

..... Prof.
..... Lectr.
Lee, R. H. S., M.B.E., M.B., B.S., D.L.O. Lond. Pt.-time Lectr.
Anderton, Mrs. Esther, M.B., B.S. Calc. Pt -time Lectr.
Lee, Marjorie M. C., M.D. West China Union Demr.
Chan, Mrs. Shuk-tsz, M.B. National Chung Cheng Med. College Demr.
Su, A., M.D. Taiwan Demr.
Wong, W. W., M.B. Lingnan Demr.
2 Pt.-time Demrs.

*Architecture*

Brown, R. G., M.A. Edin., F.R.I.A.S. Prof.
Silva, J. F. Sr. Lectr.
Bjorck, F. G. I. Sr. Lectr.
Young, C., B.Arch. Wuhan, B.A. Wuchang, M.A. Mich. Lectr.
Hugo-Brunt, M., M.C.D. Liv., B.Arch. Cape T. Lectr.
Myrenberg, L. E. T. Pt.-time Lectr.
Astrom, K. 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 Bek-to, B.Sc. Lond. (Bot.) Lectr.
Strahan, R., M.Sc. W.Aust. Lectr.
Chen, Miss Spring, B.Sc., Ph.D. Lond. Asst. Lectr.
Ng, C. S., B.Sc. Soochow Demr.
Chou, J., B.Sc. Tsinghua Demr.
Tao, Mabel, B.Sc. Chekiang Demr.
Li, K. M., B.Sc. Nanking Demr.

*Chemistry*

Driver, J. E., M.A. Camb., Ph.D., M.Sc. Lond., F.R.I.C. Prof.
Israel, G. C., M.Sc. N.Z., F.R.I.C., (Phys. C.) Sr. Lectr.
Collins, Mrs. Dorothy A., M.Sc. Liv. Lectr.
Arthur, H. R., B.Sc. Melb., M.Sc. W.Aust. (Org. C.) Lectr.

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

Leary, R. H., B.Sc. W.Aust. Asst. Lectr.
Hui, Miss Wai-han., B.A. Demr.
Chung, Mrs. Ada, B.A. Demr.
Sousa, J. B., B.Sc. Demr.

*Chinese*

Drake, F. S., B.A., B.D. Lond., Dip.Ed., Dip.Geog. Lond. Prof.
Liu, P. M., L.B., B.A. Ho Sei, B.A. Nanking Lectr.
Loh, H. L., B.A. Tsinghua Lectr.
Tang, C. I., B.A. National Central Univ. Lectr.
Jao, T. I. Asst. Lectr.

*Civil Engineering*

Vaughan, R. C., B.Sc. Brist. Prof.
Wu, K. C., M.Sc. (Eng.) Lond., B.Sc. (Eng.), D.I.C. (Hydraulics) Lectr.
Chen, L. K., B.Sc. St. John's, B.A. (C.E.), M.S. Ill. (Structures) Lectr.
Tunnell, O., B.Sc. (Eng.) Lond. (Structures) Lectr.
Szeto, W., B.Sc. St. John's Pt.-time Lectr.
King, S. Y., Ph.D. Lond., B.Sc. (Eng.), D.I.C. (Electr. and Mech.) Asst. Lectr.
Hui, C. Y., B.Sc. (Eng.) Asst. Lectr.
Leung, K. W., B.Sc. (Eng.) Demr.
Tsao, R., B.Sc. (Eng.) Demr.
..... Workshop Instr.

*Economics and Political Science*

Kirby, E. S., B.Sc. (Econ.), Ph.D. Lond. Prof.
Mansfield, Rev. Fr. M., M.A. N.U.I. Lectr.
King, F. H. H., A.M. Stanford, B.A. Oxon. Lectr.
She, Louise, B.A. Yenching, M.A. Mich. (Soc. Study) Lectr. and Supervisor.
Fu, S. L., B.A. Shanghai, Litt.D. Lectr.
Chang, A. S., B.A. Wash., M.A. Wis., Ph.D. Penn. Pt.-time Lectr.
Rolleston, Mrs. Anthea G., M.A. St. And. Pt.-time Lectr.

*Education*

Priestley, K. E., M.A. Oxon., Dip.Ed. Oxon. Prof.
Clements, Marie, B.Sc., B.A. Lond., Dip.Ed. Lond. Lectr.
Cheng, Mrs. Irene, Ph.D. Lond., B.A. Pt.-time Lectr.
Cheng, T. C., M.A. Lond., B.A., Dip.Ed. Lond. Pt.-time Lectr.
Crozier, Mrs. Anne, B.A. Lond., Dip.Ed. Lond. Pt.-time Lectr.

*English*

Blunden, E. C., C.B.E., M.C., M.A. Oxon., F.R.S.L. Prof.
Green, A. W. T., M.A. Oxon. (Linguistics) Sr. Lectr.
Oblitas, R., M.A. Camb., Cert.Ed. Camb. Lectr.
Visick, Mrs. Mary, M.A., B.Litt. Oxon. Lectr.
Jones, B. C., B.A. Camb. Asst. Lectr.
Yu, Margaret, Ph.B. Marquette, B.A., Dip.E.S. Edin. Asst. Lectr.

*Geography and Geology*

Davis, S. G., Ph.D., M.Sc. Lond., F.G.S. Reader.
..... Lectr.
Tregear, T. R., B.Sc., Ph.D. Lond. (Geog.) Lectr.

*History*

Harrison, B., M.A. Dub. Prof.
Endacott, G. B., M.A., B.Litt. Oxon., B.A. Lond., Dip.Ed. Oxon. Lectr.
She, Mrs. Dorothy, B.A., Dip.Ed. Manc. Pt.-time Lectr.
Cheng, J. C., M.A. Lond., B.A., Dip.Ed. Lond. Pt.-time Lectr.

Rolleston, Mrs. Anthea G., M.A. St. And. Pt.-time Lectr.
Gray, J., M.A. Glas. Asst. Lectr.

*Mathematics*

Wong, Y. C., B.Sc. Sun Yat-sen, Ph.D., D.Sc. Lond. Prof.
Chen, K. T., B.Sc. South-West Associated, Ph.D. Col. Lectr.
Hui, C. S., S.M. Harv., B.Sc. (Eng.), D.I.C. Tutor.
Tsou, S. T., B.Sc. Sun Yat-sen Tutor.

*Medicine*

McFadzean, A. J. S., M.B., Ch.B. Glas. Prof.
Chang, S., M.D. Peking Union Med. Coll. Sr. Lectr.
Choa, G., M.B., B.S. Lectr.
Yap, P. M., M.A., M.B., B.Ch. Camb., D.P.M. (Mental Dis.). Pt.-time Lectr.
Hsu, B. F., B.S. Yenching, M.D. Peking Union Med. Coll. Pt.-time Lectr.
Yeoh, G. E., M.B., B.S., D.C.H. (Infectious Dis.) Pt.-time Lectr.
Wong, C. C., M.B., B.S. Pt.-time Lectr.

*Modern Languages*

Gransden, J. H., B.A. Camb. Sr. Lectr.
Whinnom, K., M.A. Oxon. Lectr.

*Obstetrics and Gynæcology*

King, G., F.R.C.S., F.R.C.O.G. Prof.
Chun, Daphne W. C., M.B., B.S., F.R.C.S.Ed. Sr. Lectr.
Wong, Mrs. Ada S. H., M.B., B.S. Lectr.
Cheng, Miss R., M.B., B.S. Asst. Lectr.
Tso, Miss E. H. Y., B.S. Yenching, M.D. Peking Union Med. Coll. Pt.-time Lectr.
Chidell, Mrs. M. P., B.A., M.B. Dub., B.A.O. (Gynæcol. Pathol.) Pt.-time Demr.

*Pathology*

Hou, P. C., M.D. Peking Prof.
Skinsnes, O. K., M.D., M.Sc., Ph.D. Chic. Lectr.
Hwang, C. T., M.D. Lingnan Lectr.
Teoh, T. B., M.B., B.S. Lectr.
Duck, E. F., M.B., B.S. Lond., D.P.H., D.T.M. & H. (Bacteriol.) Pt.-time Lectr.
Pang, T. C., M.B., B.S. (Med. Jurispr.) Pt.-time Lectr.
Pang, Lillian, M.B., B.S. Shanghai (Gynæcol. Path.) Demr.
Chung, C. L., M.B. Lingnan Demr.
Chan, Miss C. H., M.B. Lingnan Demr.
Ng, W. H., M.B., B.S. Demr.
Grimmo, A. E. P. (Bacteriol. & Parasitol.) Pt.-time Demr.

*Philosophy*

Rose, Rev. Canon A. P., M.A. Oxon. Lectr.
Cronin, Rev. Fr. F., B.A. N.U.I. Pt.-time Lectr.
Kvan, Rev. E., Cand. Theol. Copenhagen Pt.-time Lectr.

*Physics*

Parsons, R. W., B.E. Adel., D.Phil. Oxon. Prof.
Un Po, B.Sc. Lectr.
Wu, K. C., M.A., Ph.D. Asst. Lectr.
Hui, P. M., Ph.D. Lond., B.A. Asst. Lectr.
Lam, C. M., B.Sc. Lingnan Demr.
Yue, S. C., B.Sc. Demr.
Wu, Mrs. King-ching, M.A. Corn. Demr.
Chan, Y. W., B.Sc. Lingnan, Ph.D. Leeds Demr.

*Physiology*

Kilborn, L. G., M.A., Ph.D., M.D. Tor. Prof.
Gould, D. W., D.T.M. & H. Sr. Lectr.

Bard, S. M., M.B., B.S. Pt.-time Lectr.
Driver, Mrs. Audrey F. M., M.A. Camb. Asst. Lectr.
Jen, F. H. S., B.Sc., M.D. St. John's Demr.
Lee, R. M. Y., M.B., B.S. Lingnan Demr.
Huang, Y. Y., B.Sc., M.D. St. John's Demr.
Liang, C. C., B.Sc. Tsinghua Demr.

*Social Medicine*

Yeo, K. C., M.D., B.S., D.T.M. & H. Lond. Prof.

*Surgery*

Stock, F. E., M.B., B.S. Lond., D.T.M. & H. Edin., F.R.C.S., F.A.C.S. Prof.
Dunlap, A. M., A.B. Ill., M.D. Harv. 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., F.A.C.S. Lectr.

Pt.-time Lecturers

Lu, K. C., B.Sc. Yenching, M.D. Peking Union Med. Coll.
Thomas, G. H., M.D.
Gray, J., M.A., M.D., M.Ch. Camb., F.R.C.S., F.A.C.S.
Singh, M., M.B., B.S., D.O.M.S. Lond. (Ophthalmol.).
Laing, D., M.B., B.S., D.L.O., F.R.C.S.Ed. (Oto-rhino-laryngol.)
Ho, H. C., M.B., B.S., D.M.R.D. (Radiol.).
Fang, H., M.B., B.S. Asst. Lectr.

**Institute of Oriental Studies**

Drake, F. S., B.A., B.D., Dip.Ed., Dip.Geog. Lond. Dir.
Wong, S. L., B.A. Lingnan Dir. of Lang. Sch.

Tutors

Chou, Mrs. Josephine, B.A. Ginling.
Ma, M., B.A. Yenching.
Lou, E. H., B.Sc. Peking, M.A. Col.
Chou, F. C., M.A. Peking, Ph.D. Syracuse.
Chou, H., B.A. Yenching.
Cheng, H., B.A. Yenching.
Ko, A., B.A. Chung Shan.
Li, Mrs. Shu-hsiu, B.A. Chung Kuo.
Lee, Jannie, B.A. Sun Yat-sen.
Liu, S. C., B.A. Wis., M.A. Calif.
So, M. Y., LL.B. Chung Shan.
Wou, P., D. en Droit.
Yang, V. T., B.Comm. Edin.
Ma, Yen, B.A. Nanking.
Barnett, Mrs. Joan, B.A. Chung Shan.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: A. C. T. Rowe-Evans, B.A. Lond. Accountant: M. K. Cheng. Inspr. of Works: M. Antonoff. Controller of Gdns.: C. W. Pan, B.Sc. (Hort.) Nanking. Medical Officer for Student Health: Mrs. Norah Tregear, M.B., B.S. Lond. Secretary, Jt. Publications Bd.: A. C. T. Rowe-Evans, B.A. Lond.

WARDENS OF HALLS OF RESIDENCE. (*Men*): G. B. Endacott, M.A., B.Litt. Oxon., B.A. Lond., Dip.Ed. Oxon. (May Hall); R. H. Leary, B.Sc. W.Aust. (Eliot Hall); R. Oblitas, M.A. Camb., Cert.Ed. Camb. (Lugard Hall); Rev. S. Withers Green, B.A. Lond., B.D. Oxon. (Morrison Hall); Rev. Fr. F. Cronin, B.A. N.U.I. (Ricci Hall); Rev. E. Kvan, Cand. Theol. Copenhagen (St. John's Hall); B. Mellor, M.A. Oxon. (Hornell Hall, non-residential). (*Women*): Mrs. Mary King, M.B., Ch.B. St. And., D.T.M. & H. (Lady Ho Tung Hall); Miss

Bek-to Chiu, B.Sc. Lond. (Assistant Warden, Lady Ho Tung Hall); Mrs. Mary B. Rose (Duchess of Kent Hall, non-residential).

FISHERIES RESEARCH UNIT. Head: D. Barker, M.A., D.Phil. Oxon.; Dir.: J. A. Tubb, M.Sc. Melb.; Chief Scientific Officer: J. D. Bromhall, B.Sc. Oxon.; Asst. Scientific Officers: T. Chow, B.Sc. Wash.; B. A. Chinan; Miss S. M. Lam, B.Sc., Dip.Ed.

## GENERAL INFORMATION

In 1887 Sir Patrick Manson, G.C.M.G., started the Hong Kong College of Medicine for the Chinese in the Alice Memorial Hospl. opened the same yr. on a London Missionary Soc. foundation. As students of nationalities other than Chinese began to join the Coll., the words " for the Chinese " were struck out of the title in 1907, and the institution was incorporated as " The Hong Kong College of Medicine."

The College offered to amalgamate in a University, and in March 1911 the Univ. of Hong Kong was incorporated by a local Ordinance, embodying the principle of religious and racial neutrality. In connexion with the foundation H.M. Govt. guaranteed funds for the foundation of " King Edward VII Scholarships," awarded on entrance examn. results. The Univ. was opened in March 1912, in a bldg. donated by Sir Hormusjee Mody, with Facs. of Med. and Engin. A Fac. of Arts was organized in the following yr., a Fac. of Science in 1939 and a Fac. of Archit. in 1951.

CONSTITUTION. The supreme governing body of the Univ. is the Court, with the Governor of Hong Kong as Chancellor and Chairman. The executive body is the Council, composed of the Vice-Chancellor, the Treasurer, certain Govt. officials and Chinese members of the Legislative Council, the Deans of the Facs., 2 representatives of the commercial community and 2 additional members approved by the Chancellor. The Senate, which deals with academic matters, is composed of the Vice-Chancellor, the Dir. of Education and the Profs. and Readers.

INCOME (1951–52). (H.K. $16=£1.) Interest on Investments, $558,553; Fees, $989,140; Govt. Grant, $1,500,000; Other Sources, $38,865; Total, $3,086,558 (Deficit, $59,963).

FACULTIES AND DEANS. *Archit.*, Prof. R. G. Brown; *Arts*, K. E. Priestley; *Engin.*, Prof. R. C. Vaughan; *Med.*, Prof. G. King; *Science*, Prof. J. E. Driver.

ADMISSION. Qualifications: attainment of age 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. Students who are not registered Matriculated Students may read in courses other than those offered in the Fac. of Medicine provided they have attained Matricn. Examn. standard in English and in the subject of the course in which they apply to read, but may not take any examns.

DEGREE COURSES. Pass B.A.—3 yrs.; pass B.Sc., B.Sc. (Eng.)—4 yrs. M.B., B.S.—6 yrs. Hons. B.A.—4 yrs. Hons. B.Sc., pass or Hons. B.Arch.—5 yrs. The minimum attendance at lectures and lab. classes prescribed is 75 per cent. The minimum residence in the Univ. for graduation is 3 yrs., except where individual exemption is given.

Students in Arts courses are selected after the First-yr. Examn. to read for Hons. B.A.; students in Sci. courses are required to graduate with a pass

B.Sc. degree before they may be permitted to read during 1 further yr. for an Hons. B.Sc.

HIGHER DEGREES. M.A., M.Sc., M.Sc. (Eng.)—conferred on graduates of the Univ. or of approved Univs. after advanced work extending over at least 2 yrs. M.D., M.S.—conferred on graduates of the Univ. of 5 yrs.' standing, or in special cases of 3 yrs.' standing. M.Arch.—conferred on Hons. graduates of the Univ. or of approved Univs. after 1 yr.'s advanced work. D.Sc.—conferred on graduates of the Univ. of at least 5 yrs.' standing on evidence of publication of authoritative contributions to learning.

DIPLOMAS. Dipl. in Educn.—1 yr.; Dipl. in Social Study—2 yrs.; Dipl. in Pharmacy—2 yrs.; candidates must be graduates of the Univ. or approved Univs.

CERTIFICATE. Certif. in Social Study—2 yrs.; candidates must be matriculated students of the Univ.

FEES ($16=£1). Matricn., $50; Caution, $100; Composition (including Registration, Tuition, Lab. or Workshop, Examn., and Student Health): B.A. (Pass) (3 yrs.), $3160; B.A. (Hons.) (4 yrs.), $4210; B.Sc. (Pass) (3 yrs.), $3760; B.Sc. (Hons.) (4 yrs.), $5010; M.B., B.S. (6 yrs.), $7510; B.Sc. (Eng.) (4 yrs.), $4610; B.Arch. (5 yrs.), $5710; Higher Degree Examns.: M.A., M.Sc., M.Sc. (Eng.), M.Arch., $400; D.Sc., M.D., M.S., $600. Graduation: B.A., B.Sc., M.B., B.S., B.Sc. (Eng.), B.Arch., $100; M.A., M.Sc., D.Sc., M.D., M.S., M.Sc. (Eng.), M.Arch., $200.

ACADEMIC YEAR. Sept. to June, 3 terms of 12, 9 and 9 wks.

FELLOWSHIPS. 2 Research Fellowships in the Dept. of Medical Research and 6 in Inst. of Oriental Studies.

VACATION COURSES. Refresher Courses are offered from time to time for approved graduates, in professional subjects.

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: 66,000 vols.; subscribes to over 400 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 61,000 Chinese vols. and some 2300 Japanese sinological vols.

RESEARCH VESSEL. *Alister Hardy*, used by Fisheries Research Unit.

TEACHING HOSPITALS. Queen Mary Hosp. Tsan Yuk Hosp.

INSTITUTE OF ORIENTAL STUDIES. (V. p. 1440.) The reconstituted Br. Inst. of Far Eastern Studies provides facilities for the study of the Mandarin and Cantonese langs. to Colonial Administrative Service officers and lang. officers of the Army and Air Force, and for research in various fields of Far Eastern Study.

HALLS OF RESIDENCE. For Men: in Univ. estate—May Hall (accomm. for 90), Eliot Hall (88), Lugard Hall (75)—fees, $180 a month; Morrison Hall, Hatton Rd. (*Telephone*: 24777) (54), conducted by London Missionary

Soc.—fees, $200 a month ; Ricci Hall, Pokfulam Rd. (*Telephone*: 22938) (58), conducted by Jesuit Fathers—fees, $200 a month ; St. John's Hall, Bonham Rd. (*Telephone*: 22823) (48), conducted by Church Missionary Soc.—fees, $211 a month. For Women : Lady Ho Tung Hall, Pokfulam Rd. (85)—fees, $220 a month. (For Wardens *see* p. 1440.)

STAFF RESIDENCES. The Univ. controls 43 houses and flats for teaching staff situated within the Univ. estate, and five outside it.

STUDENT HEALTH SERVICE. Directed by a cttee. composed of the Prof. of Med. as Chairman, the Deans, the Wardens, the Medical Officer for Student Health, and the Pres. of the Students' Union, the health service provides for initial examn. on admission, required vaccinations and inoculations, and professional services up to specialist level.

STUDENT ATHLETICS. Cricket, football, hockey, swimming, tennis, basketball, badminton, etc.

STUDENTS' UNION. The Union was established in Oct. 1912. Membership is obligatory. It is controlled and directed by a Council, the Pres. and Hon. Sec. of which, and also 4 independent members, are elected by the undergraduates. The Union possesses a Jordan Memorial Library.

PUBLICATIONS. *Calendar* ; *Handbook of the Matriculation Examination* ; *Annual Report* ; *The Journal of Oriental Studies* ; *The University Gazette* ; *The Union Magazine* (students).

The UNIVERSITY PRESS is managed by a Publications Bd. apptd. jointly by Council and Senate. Chairman of Bd., Prof. J. E. Driver.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. A group of Med. Grads., $14,000 for prize in Obstet. and Gyn. in honour of Prof. G. King ; Leung Yew, jade for the adornment of the mace.

NEW BUILDINGS. Block of 8 staff flats ; extension to Main Bldg.

NEW POSTS. Readership in Marine Biol. ; 3 Lectureships and an Asst. Lectureship in Civil Engin.

PRINCIPAL CHANGES IN REGULATIONS. Introducn. of Dipl. in Pharm. Institution of Prelim. Sci. Course, to be taken in Sci. Fac. by Med. and Engin. students in their 1st yr.

RESIGNATIONS, ETC. Prof. S. M. Banfill, apptd. Assoc. Prof. in Anat., McG. U. ; Prof. T. S. Sze, apptd. to World Health Organization ; Prof. D. F. Davies (Prof. of Phys.) ; Prof. K. Billig (Prof. of Civil Engin.), apptd. Dir. of Central Bldg. Res. Inst., Roorkee.

DEATH. Bishop Henry Valtorta, member of Court.

HONORARY DEGREE. *LL.D.*—H.E. Sir Alexander W. G. H. Grantham, Governor of Hong Kong.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 6 | 699 |
| Women | 15 | 269 |
| Total | 21 | 968 |

Research and postgraduate students, 7.
External students, 18.
New admissions, 244.
Students from other countries, 392. (Countries from which largest numbers came: China, 169; Federation of Malaya, 158; Indonesia, 8.)

DEGREES. B.A., 23 (1951), 36 (1952); B.Sc., 2 (1951), 4 (1952); B.Sc. (Eng.), 11 (1951), 7 (1952); M.B., B.S., 3 (1951), 21 (1952).

[*Information compiled as at* 1/7/53 ;
*Staff list revised on* 2/11/53.]

# UNIVERSITY OF MALAYA*

Founded 1949

*Postal Address* : Cluny Road, Singapore 10.
*Cables* : Univmalaya, Singapore.
*Telephone* : Singapore 20311.

CHANCELLOR—The Rt. Hon. MALCOLM MACDONALD, M.A., LL.D., D.Litt.

PRO-CHANCELLORS—General Sir GERALD W. R. TEMPLER, G.C.M.G., K.C.B., K.B.E., D.S.O. ; Sir JOHN F. NICOLL, K.C.M.G. ; DATO Sir ONN BIN JA'AFAR, K.B.E., LL.D. ; Sir HAN HOE LIM, C.B.E., M.B., Ch.B. Edin., LL.D.

VICE-CHANCELLOR—Sir SYDNEY CAINE, K.C.M.G., B.Sc.(Econ.) Lond.

REGISTRAR—WILLIAM D. CRAIG, B.L. Glas.

BURSAR—WILLIAM G. MCINTOSH.

LIBRARIAN—ERNEST H. CLARK, B.A. Melb.

DEAN, FACULTY OF MEDICINE—DESMOND W. G. FARIS, C.B.E., M.B., B.S., D.P.H. Lond.

## TEACHING STAFF

*Anæsthetics*, v. *infra*

*Anatomy*, v. *infra*

*Bacteriology*, v. *infra*

*Biochemistry*, v. *infra*

*Botany*

Holttum, R. E., M.A., Sc.D. Camb. Prof.

Lecturers

Thompson, A., B.Sc. N.U.I.
Carrick, J., B.Sc. Glas.
Enoch, I. C., B.Sc. Wales.

*Chemistry*

Robinson, R. A., Ph.D. Birm., D.Sc. Birm. and N.Z., F.R.I.C. Prof.

Green, R. W., M.Sc. N.Z. Sr. Lectr.

Kiang, A. K., Ph.D. Camb., B.Sc. Lond., Dip.Sc., F.R.I.C. Lectr.

Huang, R. L., B.Sc. H.K., D.Phil. Oxon. Lectr.

Sullivan, E. P. A., M.Sc. Syd. Lectr.

Svasti, M. C. K., Ing.T.I.C.M. Brussels, M.Sc. Asst. Lectr.

Ang, K. P., M.Sc. Asst. Lectr.

Tong, Mrs. H., Dip.Sc. Tutor

*Chinese Language and Literature*

Ho, K. C., Lic. Sc. Nat. Aurora Sr. Lectr.

*Dermatology*, v. *infra*

*Economics*

Silcock, T. H., M.A., D.Phil. Oxon. Prof.

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

Robertson, Jean M., M.A. Glas., Dip.Soc.Sci. (Soc. Trg.) Sr. Lectr.

Lecturers

Lim, T. B., M.A. Camb., Dip.Arts.
You, P. S., B.Sc. (Econ.), Ph.D. Lond.
Sherwood, P. W., B.Com. Lond.
Gamba, C., M.A. W.Aust.
Ungku Abdul Aziz, B.A., Dip.Arts.
Wells, A. F., B.Sc. (Econ.) Lond. (Soc. Trg.).
Siew, N. C., B.A. Asst. Lectr.

*Education*

Mason, F., M.A. Camb. Prof.

Lecturers

Stewart, W. D. S., M.A., LL.B., Ed.B. Glas.
Kaye, B. L. B., B.Sc. (Econ.), Ph.D. Lond.
Williams, D. H. d'A., M.A. Camb.

*English*

Morrell, R. C. R., M.A. Camb. Prof.

Lecturers

Evans, E. C., B.A. Wales and Oxon.
de Chickera, E. B., B.Litt. Oxon.
Barker, Mrs. Mary B., M.A. Lond. and Edin.
Piloto, A. E., M.A. McG.
Painter, A. B., M.A. Camb.
Copley, J., M.A., Dip.Ed. Leeds.

Assistant Lecturers

Clark, Mrs. Maria, B.A. Melb.
Price, A. W., B.A. Rand.
Mottram, E. N. W., B.A. Camb.

*Geography*

Dobby, E. H. G., B.A., Ph.D. Lond. Prof.

Lecturers

Ho, R., M.A. Lond., Dip.Arts.
Wheatley, P., M.A. Lond.
Dale, W. L., M.B.E., B.Sc. Lond.

Assistant Lecturers

Hodder, B. W., B.A. Oxon.
Lim, J. J., B.A.

*History*

Parkinson, C. N., M.A. Camb., Ph.D. Lond. Prof.

Lecturers

Stokes, E. T., M.A., Ph.D. Camb.
Macgregor, I. A., M.A. Camb.
Tregonning, K. G., B.A. Adel., B.Litt. Oxon.
Sullivan, D. M., M.A. Camb., B.A. Lond., Ph.D. Harv.
Irwin, G. W., B.A. Adel. and Camb. Asst. Lectr.

*Malay Studies*

Zainal Abidin b. Ahmad Sr. Lectr.
de Josselin de Jong, P. E., Ph.D. Leyden Lectr.

*Mathematics*

Professors

Oppenheim, A., B.A. Oxon., Ph.D. Chic. (Maths.).
Cooke, J. C., M.A., Dip.Ed. Oxon. (Appl. Maths.).

Lecturers

Menon, K. M. R., B.A., B.L. Madr.
Guy, R. K., M A. Camb., Dip.E. Birm.
Diananda, P. H., B.Sc. Lond., B.A., Ph.D. Camb.

Assistant Lecturers

Milner, E. C., M.Sc. Lond.
Wicks, M. J., B.Sc. Brist.

*Medicine*, v. *infra*

*Midwifery and Gynæcology*, v. *infra*

*Pædiatrics*, v. *infra*

*Pharmaceutics*

Caldwell, A. F., B.Pharm. Lond. Sr. Lectr. and Hd. of Dept.
Elliott, T. H., B.Sc. Rand Lectr.

Robertson, Mrs. Sheila
Asst. Lectr.
Hanam, J., Dip.Pharm. Tutor.

*Philosophy*

Hartland-Swann, J. J., B.A., Ph.D. Lond., B.Litt. Oxon. Lectr.

*Physics*

Webb, C. G., B.Sc. Lond.
Sr. Lectr. and Hd. of Dept.

Lecturers

Hon, Y. S., B.Sc. Lond., M.Sc.
Osborne, B. W., B.Sc. Lond., M.Sc.
Smith, Dorothy J., B.A. Camb.
Purslow, B. W., B.Sc., Ph.D. Lond., D.I.C.

Ho, P. Y., M.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.

Lecturers

Chuang, S. H., M.Sc. Brist.
Johnson, D. S., M.A., Ph.D. Lond.
Hendrickson, J. R., B.S. Arizona, M.A., Ph.D. Calif.
Searle, A. G., B.Sc., Ph.D. Lond.

## Dentistry

Tickle, R. J. S., B.D.S. Syd., D.D.S., M.Sc. (Dent.) Tor.
Prof.

Lecturers

Oehlers, F. A. C., L.D.S. (D. Pathol.).
Jansen, J. A., L.D.S. (Prosthetic D.).
Bloch, P.
Ollivere, J. D. F., B.D.S. N.U.I., H.D.D. Edin.
Goh, S. W., L.D.S.
Lee, E. C., L.D.S.
Eggers-Lura, F. Asst. Lectr.

## Medicine

*Anæsthetics*

Hudson, E. G., D.A.
Pt.-time Lectr.

*Anatomy*

Ellis, A. R., M.B., Ch.B. N.Z.
Prof.

Lecturers

Thambipillai, V., Dip.Phy.Anth. Oxon., L.M.S.
Chang, K. S. F., M.Sc. Shanghai, Ph.D. Corn.
Mohiuddin, A., M.B., B.S. Osm., Ph.D. Lond.
Chang, Mrs. Kathleen A., M.B., Ch.B. N.Z., D.O.M.S. Lond.
Majeed, Ruby, B.Sc. W.Aust.
Asst. Lectr.

*Bacteriology*

Hale, J. H., M.D., Ch.B. Birm.
Prof.
Lim, K. A., B.Sc., M.B., Ch.B. Edin. Lectr.
Sambamurthi, C. M., M.B., B.S. Madr. Asst. Lectr.

*Biochemistry*

Lugg, J. W. H., D.Sc. W.Aust., Ph.D. Lond., D.I.C., F.R.I.C.
Prof.
Oliveiro, C. J., M.D., L.M.S.
Sr. Lectr.
Bowness, J. M., B.Sc., Ph.D. Liv.
Lectr.

*Dermatology*

Menzies, R. D., M.B., Ch.B. Glas.
Pt.-time Lectr.

*Medical Jurisprudence*

da Silva, L. S., Dip.Bact. Manc., L.M.S. Pt.-time Lectr.

*Medicine*

Ransome, G. A., F.R.C.P. Prof.
Danaraj, T. J., M.D., L.M.S. Lectr. and Chief Asst.
Seah, C. S., M.B., B.S. Asst. Lectr.
Yeoh, S. A., M.B., B.S. Asst. Lectr.

*Medicine, Clinical*

Monteiro, E. S., M.D., L.M.S., D.C.H. Lond., F.R.F.P.S. Glas. Prof.
Khoo, O. T., M.D., L.M.S., F.R.F.P.S. Glas. Lectr.
Ho, G. L., M.B., B.S. Asst. Lectr.

*Midwifery and Gynæcology*

Sheares, B. H., M.D., L.M.S. Prof.
Lumsden, J. W. F., M.A. Camb., M.B., Ch.B. Edin. Lectr. and Chief Asst.
Goon, S. K., M.B., B.S. Asst. Lectr.

*Ophthalmology*

Williamson, A. D., M.B., Ch.B. Glas., D.O.M.S. Lond., F.R.C.S. Ed. Pt.-time Lectr.

*Oto-Rhino-Laryngology*

Au, K. H., L.M.S. Pt.-time Lectr.

*Paediatrics*

Haridas, G., M.D., L.M.S. Pt.-time Lectr.

*Parasitology*

Sandosham, A. A., Ph.D. Lond., L.M.S. Prof.
Hoeppli, R. J. C., M.D. Kiel, D.Sc. Hamburg Visiting Prof.
Colless, D. H., B.Sc. Syd. Lectr.

*Pathology*

..... Actg. Hd. of Dept.
Balasingham, T., L.M.S. Sr. Lectr.

*Physiology*

Glaser, E. M., M.D. Bratislava, Ph.D. Camb. Prof.

Lecturers

Lin, R. C. Y., B.Sc. Peking, Ph.D. Camb.
Lee, T. S., Ph.D., Dip.Sc.
Toh, C. C., Ph.D. Lond., Dip.Sc.
Whittow, G. C., B.Sc. Lond. Asst. Lectr.
Cordero, N., M.D. Philippines W.H.O. Visiting Lectr.

*Psychological Medicine*

Browne, J., M.B., Ch.B., B.A.O. Belf., D.P.M. Pt.-time Lectr.

*Radiology*

McPherson, D. R., B.Sc., M.B., Ch.B. Glas., D.M.R.E. Camb. Pt.-time Lectr.

*Social Medicine and Public Health*

Davies, T. A. L., M.D., B.S. Lond., F.R.C.P. Lond. Prof.
Nicholas, W. A., M.P.H. Johns H., L.M.S. Sr. Lectr.
Millis, Jean, M.Sc. Melb. (Appl. Nutrition) Sr. Lectr.
Danaraj, Mrs. Winifred, M.P.H. Harv., L.M.S., D.C.H. Lectr.
Polunin, I. V., D.M., B.Ch., M.A., B.Sc. Oxon. Lectr.
Kelley, Elizabeth, B.A. Wis., M.A. N.Y., Ed.D. Stanford W.H.O. Visiting Lectr.
Norris, J. T., B.Sc. Melb. W.H.O. Visiting Lectr.
Charles, Mrs. Enid, M.A. Camb., Ph.D. Cape T. W.H.O. Visiting Lectr.

*Surgery*

Mekie, D. E. C., M.B., Ch.B. Edin., F.R.C.S.Ed. Prof.
Khong, B. T., L.M.S. Lectr.
Cohen, Y., L.M.S., F.R.C.S. Lectr.
Vellasamy, K., L.M.S. Pt.-time Lectr.
Choo, J. E., M.B., B.S. Asst. Lectr.
Lawley, Mrs. Margery A., M.B., Ch.B. Edin. Res. Assoc.

*Surgery, Orthopaedic*
Cameron, J. A. P., M.Ch. (Orth.) Liv., F.R.C.S.Ed. Prof.
Karlen, A. G., M.D. Sweden Lectr. and Chief Asst.

*Venereal Diseases*
Ram, L. M., M.B., B.S. Panj., D.P.H. Lond. Pt.-time Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Student Health Physician: H. B. M. Murphy, M.B., Ch.B. Edin., D.P.H. Lond. Asst. Registrars: H. D. Lewis, Dip.Arts; Y. Y. Foo, Dip.Arts. Asst. Bursar: C. P. Lim. Accountant: E. Pereira, B.Com., B.Sc. (Econ.) Lond. Asst. Librarians: Mrs. Therese Kennard, M.A. Oxon.; W. J. Plumbe, F.L.A.; Jean M. Waller, M.A. Syd., F.L.A. Supervisor of Hostels: Phoebe E. Isaacson. Chairman, Appts. Bd.: R. E. Holttum, M.A., Sc.D. Camb. Vice-Chancellor's Sec.: M. de Souza. Registrar's Sec.: V. R. Grosse. Bursar's Sec.: T. S. Chan.

WARDENS OF HOSTELS. Men: Dunearn Road, J. J. Lim, B.A., N. C. Siew, B.A., C. M. Sambamurthi, M.B., B.S. Madr., S. A. Yeoh, M.B., B.S.; F.M.S., C. J. Oliveiro, L.M.S.; Patterson Road, G. C. Whittow, B.Sc. Lond.; Tan Tock Seng, J. M. Bowness, B.Sc., Ph.D. Liv. Women: Dunearn Road, Mrs. Mary B. Barker, M.A. Lond. and Edin.; Holne Chase, Ruby Majeed, B.Sc. W.Aust.; Mount Rosie, Mrs. A. B. Khew.

## GENERAL INFORMATION

The University was founded in 1949 by Ordinances of the Governments of the Federation of Malaya and of the Colony of Singapore. It was formed by the fusion of the two existing Colleges in Singapore, The King Edward VII College of Medicine and Raffles College, and full University teaching began in session 1949–50.

The buildings of the two former Colleges, with additional accommodation, are being used until completely new buildings are erected on a site in the Federation of Malaya near Johore Bahru. A grant of £1 million has 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 stands at approximately £577,500. The University is thus physically separated into two parts, the former Raffles College containing the Administrative Offices and the Faculties of Arts and Science (including a new Library building), and the former College of Medicine containing the Faculty of Medicine.

INCOME. Total income for the year ending Dec. 31, 1952, £902,545: Govt. grants, 88 per cent.; Endowments, 3·1 per cent.; tuition and examn. fees, 5·4 per cent.; misc., 3·5 per cent.

FACULTIES AND DEANS. *Arts*, Prof. A. Oppenheim (Maths.); *Sci.*, Prof. R. A. Robinson (Chem.); *Med.*, Dr. D. W. G. Faris (whole-time Dean).

LIBRARY. The Library is housed in two divisions. Medical books are located in the former College of Medicine bldgs. and books relating to Arts and Science Facs. are housed in the Library on the former Raffles College site; each division contains approx. 40,000 vols. A new Library bldg. on the former Raffles Coll. site was completed in 1953, and has been formally opened.

LABORATORIES, MUSEUMS. There are departmental labs., a Public Health Museum and the Keith (Pathol.) Museum.

ENTRANCE REQUIREMENTS. The Univ. conducts its Entrance Examn. in March each yr. Applicants must ordinarily possess the Cambridge Sch. Cert. (in specified subjects), or the London Matriculation, or equivalent qualifications, and, in addition, have attended 4 terms of post-school cert. work in sch.

Non-graduating courses are provided in the Facs. of Arts and Sci. and admission to these is subject to approval of Senate.

DEGREE COURSES. 3 yrs. : B.A. Pass (4th yr. for Hons.), B.Sc. Pass (4th yr. for Hons.). 6 yrs. : M.B., B.S. 5 yrs. : B.D.S. Honours students must first take a Pass Degree.

HIGHER DEGREES. Open to grads., M.A., M.Sc. (1 yr.'s residence) ; Ph.D. (2 yrs.' residence) ; open to grads. of 3 yrs.' standing—M.D., M.S., M.D.S. ; open to Masters or Doctors of Philos. of 5 yrs.' standing—D.Sc., D.Litt. Dipl. holders of the Coll. of Med. (L.M.S.) and of Raffles Coll. (Dip.Arts and Dip.Sc.) and grads. of other Univs. may also be admitted to higher degrees of the Univ.

DIPLOMAS. Pharm. (2 yrs.), followed by 2 yrs.' practical work. Educn. (1 yr.), open to grads. Pub. Health (1 yr.), open to med. grads. Soc. Studies (2 yrs.), open to grads. and suitable non-grads. The Univ. also provides a Cert. course in Educn. (2 yrs.), open to suitable non-grads., especially Normal-trained teachers.

RESEARCH FACILITIES. There are ample facilities for res. in most depts.

FEES. Tuition, including Students' Union : for B.A. and B.Sc. courses, also Dipl. courses in Educn. and Soc. Studies, approx. £56 : 5s. p.a. ; M.B., B.S. and B.D.S., also Dipl. courses in Pharm. and Pub. Health, £66 : 15s. p.a. Higher degrees, res. fees, between £17 : 10s. and £35 p.a. depending on the degree ; examn. fees, M.A., M.Sc., M.Ed., £17 : 10s. ; Ph.D., £23 : 5s. ; D.Litt., D.Sc., M.D., M.S., M.D.S., £35.

ACADEMIC YEAR. The teaching session runs from first wk. in Oct. to first wk. in June, and includes 3 terms of 10 wks.

ADULT EDUCATION. An active interest is taken in the Adult Educn. movement in Singapore, members of the Univ. staff assisting in the teaching work. The Univ. is considering a proposal to appoint a Tutor-Organizer for Adult Educn. in the Federation of Malaya.

SCHOLARSHIPS, BURSARIES, ETC. The Univ. offers annually 9 entrance scholps. on the results of the Univ. Entrance Examination. The Govts. of Singapore and the Federation of Malaya offer bursaries to suitable candidates requiring financial aid. A Shell and a Lee bursary are available for the Social Studies course.

POSTGRADUATE AWARDS. The Govts. of Singapore and the Federation of Malaya offer the Queen's Scholps. and Fellowships (tenable for 2 to 3 yrs.). The Univ. awards the Liew Weng Chee Scholp. for 1 yr. for medical studies and a Shell Fellowship for res. in Fac. of Arts or Sci.

APPOINTMENTS BOARD. Chairman, Prof. R. E. Holttum (Bot.). A register of prospective candidates is kept and vacancies are normally communicated by circular.

GRADUATES' ASSOCIATIONS. The Stamford Club (for grads. of the former Raffles Coll.), and the King Edward VII Alumni Association (for grads. of the former Coll. of Med.).

STUDENT RESIDENCES. For men : Dunearn Road, F.M.S., Patterson Road and Tan Tock Seng. For women : Dunearn Road, Mount Rosie and Holne Chase. (For Wardens *see* p. 1449.)

STUDENT HEALTH SERVICE. The Univ. operates a student health service under a full-time medical officer. Med. examn. is compulsory for 1st-yr. students and optional for others. Two dispensaries are available for routine treatment.

STAFF RESIDENCES. There are approx. 120 units of housing for academic staff: this figure still falls short of requirements and consideration is being given to erecting more staff residences.

STUDENTS' UNION. The Students' Union came into existence on Foundation Day in Oct. 1949, with the fusion of the former Student Unions of the Raffles and Medical Colls. The admin. of the Union is vested in the Students' Council consisting of 25 to 30 students elected annually on a constituency basis. The annual elections take place in Nov. each yr. The Students' Council appts. an Executive Cttee. and such other standing and special cttees. as are provided for in its constitution.

There are societies to cater for the social, athletic and other activities of students, and these are well supported.

PUBLICATIONS. *Calendar* (Sept.), 7s.; *Annual Report* (Nov.), 2s. 4d.; *Gazette* (one for each of the 3 terms), 7d. (all compiled by the Registrar). The *Report* of the Carr-Saunders Commission on Univ. Educn. in Malaya (Feb. 1948), and the *Annual Reports* of the former Colls. are out of print.

UNIVERSITY PRESS. The establishment of a Univ. Press is under consideration.

## THE YEAR 1951–52

BENEFACTIONS. The Endowment Appeal Fund, £576,000 approx. Contributions have been on a small scale for some time.

NEW BUILDINGS. Work was started on a new Library bldg. [completed in July 1953] on the former Raffles Coll. site. In addition to library accommodation it will provide a number of staff rooms, a meeting room and a staff common room. The new student hostels in Dunearn Road to accomm. about 480 students completed and in use at end of Sept. 1952. The former hostels on the Raffles Coll. site are being converted to provide additional lab. and teaching accomm. for Facs. of Arts and Sci. A number of temporary huts have also been erected to provide additional accomm. for certain depts.

NEW DEPARTMENTS AND POSTS. Depts. of Chinese Lang. and Lit., Malay Studies and Engin. created. Lectureships in Philos. and Hist. of Art created and courses in Philos. offered in Oct. 1952. A senior lectureship and a lectureship in Soc. Studies also created. A number of additional appts. in existing departments approved.

CHANGES IN REGULATIONS. Changes were approved in the regulations governing the B.D.S. course, altering the order of study and examns. in certain subjects. Changes in syllabuses made. Regulations for B.A. approved, under which candidates now read two subjects at principal level and one at subsidiary level for Final Examn. instead of 3 subjects at same level. Courses in Philos. at subsidiary level introduced for B.A.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. J. F. Foster, A.U.B.C.; Dr. G. A. Currie, Vice-Chancellor, W.Aust. (now Vice-Chancellor, Otago); Prof. G. E. G. Catlin, formerly of Corn.; J. Lassus, Rector of Univ. of Hanoi; L. Malleret, Directeur de l'École Française d'extrême Orient.

RETIREMENTS. Sir George Allen (Vice-Chancellor); Professor N. K. Sen (Bacteriol.).

RESIGNATIONS. Prof. Alexander (Physics), apptd. to chair of Phys., U.C., Ibadan; Dr. G. F. R. Cole (Dent.); P. J. M. Anderson (Engl.).

DEATH. E. S. Dix (Geog.).

HONORARY DEGREES. *D.Sc.*—Dr. N. S. Alexander, Prof. of Phys., 1949–52, now Prof. of Phys. in U.C., Ibadan; *M.D.*—H.E. Sir Franklin C. Gimson, Governor of Singapore and Pro-Chancellor; Sir George Allen, Vice-Chancellor, 1949–52; The Hon. Dato Onn bin Ja'afar, Member for Home Affairs, Federation of Malaya, Chairman of Council and Pro-Chancellor; Dr. Chen Su Lan, med. practitioner, Singapore.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 697 |
| Women | .. | 162 |
| Total | .. | 859 |

Postgraduate students, 29.
New admissions, 177.
Students from other countries: U.K., 3; India, 1; Thailand, 1; China, 1.

DEGREES AWARDED. *Arts*: B.A. Pass, 39; B.A. Hons., 21; M.A., 2. *Dent.*: B.D.S., 11. *Med.*: M.B., B.S., 24. *Sci.*: B.Sc. Pass, 7; B.Sc. Hons., 10; M.Sc., 3. *Total number of first degrees awarded*, 81.

DIPLOMAS AWARDED. Dipl. in Educn., 10.

[*Information compiled as at* 11/5/53.]

# THE ROYAL UNIVERSITY OF MALTA*

Founded 1769; previously established as the College of the Society of Jesus 1592

*Postal Address*: St. Paul Street, Valletta, Malta.
*Telephone*: Central 4201, Valletta 3217.

PATRON—H.M. THE QUEEN.

CHANCELLOR—H.E. THE GOVERNOR OF MALTA.

VICE-CHANCELLOR AND RECTOR MAGNIFICUS—J. A. MANCHÉ, B.Sc., M.D.

REGISTRAR—L. M. PACE, B.Sc.(Econ.) Lond.

SECRETARY—A. CAMILLERI.

FINANCE OFFICER—G. SOLER.

LIBRARIAN—J. CASSAR PULLICINO.

## TEACHING STAFF

*Anatomy and Histology*

..... Prof.

*Biology*

Vella, S. L., B.Sc., M.D., D.L.O., F.L.S. Actg. 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*

Bliss, A. J., B.Litt., M.A. Oxon. 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.
Busuttil, E., B.A. Oxon. and Malta, B.Litt. Oxon., LL.D. (Internat. L.) Lectr.
Caruana, V., B.Lit., LL.D. (Civil L.) Prof.
Cremona, J. J., B.A. Lond. and Malta, D.Litt. Rome, LL.D., Ph.D. Lond. (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.

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

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. & A. Prof.

*Medicine and Surgery*, v. *infra*

*Philosophy*
Sapiano, Rt. Rev. Mgr. 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.
Lupi, Rev. J., Ph.L., B.L. Can., D.D. (Patrology and Liturgy) Lectr.
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., D.L.O., F.L.S. Lectr.

*Forensic M. and Toxicology*
Galea, J., M.B.E., M.D., D.P.H. Lectr.

*Materia Med., Pharmacol. and Therap.*
Zammit-Maempel, J. V., M.D. Prof.

*Medicine*
Debono, J. E., B.Sc., M.D., F.R.C.P. Prof.

*Mental Diseases*
Vassallo, V., O.B.E., M.D. Naples, D.P.M. Prof.

*Midwifery and Gynæcology*
..... Prof.
Ellul, J., B.Sc., M.D., F.R.C.O.G. Actg. Prof.

*Ophthalmology*
Damato, F. J., M.D., D.O. Oxon., D.O.M.S., F.R.C.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.

*Venerology and Dermatology*
Briffa, R., M.D. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Acting Officer-in-Charge, Meteorol. Observatory: E. Craig, M.D. Acting Dir., Bot. Gardens: Prof. S. L. Vella, B.Sc., M.D., D.L.O., F.L.S.

## GENERAL INFORMATION

The University began as a Jesuit College instituted in 1592 by Pope Clement VIII, who gave it the power of conferring degrees in Philosophy and in Theology. It is still housed in a building erected by the Jesuit Fathers. Its Medical Faculty originated in a School of Anatomy founded in 1674 by Grandmaster Nicolas Cottoner in the Great Hospital of the Order, which accommodated 745 patients. Fra Emmanuel Pinto de Fonçeca, Grandmaster of the Order of St. John of Jerusalem, with authority from Pope Clement XIV, raised the College to University status in 1769.

By an Ordinance promulgated in 1947, the Univ. is governed by a Council consisting of the Chancellor as President, the Vice-Chancellor and Rector Magnificus as Vice-President, a representative of the Inter-University Council for Higher Education 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, 17,000 vols. A public library close by the Univ. contains over 100,000 vols. and is rich in MSS. and rare editions of great historical interest. MUSEUM: Archæol. OBSERVATORY, full meteorol. equipment and seismograph. BOTANICAL GARDENS. HOSPITALS, available for Clinics: general (650 beds) and several special—Leprosy Hospital (80); Mental Diseases (800); Invalid and Old Age (1000); Pulmonary Tuberculosis (200).

FACULTIES AND DEANS. *Theol.*, Prof. S. M. Zarb; *Laws*, Prof. V. Caruana; *Med. and Surg.*, Prof. J. E. Debono; *Engin. and Archit.*, Prof. J. Colombo; *Arts*, Prof. J. Aquilina; *Sci.*, Prof. P. Farrugia.

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 and, for the latter, also Greek, as from 1954. Courses start every three years. The next Inter. Course commences on October 1, 1954.

DEGREES, ETC. B.A. (Hons.), B.A. (Gen.), B.Sc., B.Pharm., B.Arch., B.Eng., B.Ed.A., B.Ch.D., B.D., M.Arch., M.Eng., Lic.D., M.D., LL.D., D.D.; Dipls. of Notary Public, Legal Procurator, Education.

PUBLICATION. *Calendar* (Oct.).

## THE YEAR 1951–52

NEW BUILDINGS. Reconstruction of part of quadrangle, damaged by enemy action, still in progress. Plans altered to house Univ. Library. Reconstruction of Chemical and Hygiene labs., damaged by enemy action, still in progress. 2nd floor reached by end of yr.

ADULT EDUCATION WORK. Grant of £500 from Colonial Development and Welfare Funds is being utilized to publish books in Maltese on various subjects for adult educn. classes. The work is well in hand.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Late Principal Ifor L. Evans, Vice-Chancellor of Wales, in connexion with laying Foundation Stone of New Sci. Labs., and *inter alia*, with formation of Archæol. Survey Advisory Cttee.; Prof. S. Piggott (Edin.) and J. B. W. Perkins (British Sch. at Rome), to attend meeting of Archæol. Survey Cttee.

DEATH. Prof. V. S. Depiro (Midwifery and Gynæcol.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 23 | 375 |
| Women | 1 | 48 |
| Total | 24 | 423 |

New admissions, 172 men, 41 women.
1 overseas student—from Jamaica.

DIPLOMAS AWARDED. Education, 4; Legal Procurator, 12; Notary Public, 11.

[*Information compiled as at* 19/8/53 ;
*Staff list revised on* 17/11/53.]

# UNIVERSITY COLLEGE OF THE GOLD COAST*

Founded 1948

*Postal Address* : Achimota, Gold Coast, British West Africa.
*Cables* : Univcoll., Achimota.
*Telephone* : Achimota Exchange.
(London Office : 29 Tavistock Square, W.C.1. *Cables* : Goldvercol, London.
*Telephone* : Euston 2119.)

CHAIRMAN OF COUNCIL—The Hon. Justice K. A. KORSAH, C.B.E., M.A., D.C.L. Durh.

PRINCIPAL—D. M. BALME, D.S.O., D.F.C., M.A. Camb.

VICE-PRINCIPAL—G. I. SMITH, M.Sc. Lond.

REGISTRAR—M. DOWUONA, M.B.E., M.A. Oxon.

BURSAR—W. D. RUSSELL.

LIBRARIAN—A. ELISE WALKER, F.L.A.

DEAN OF CHAPEL—Rev. J. N. DUCKWORTH, M.A. Camb.

## TEACHING STAFF

*Agriculture*

Phillips, J. F. V., D.Sc. Edin. Prof.

Senior Lecturers

Wilson, A. S. B., B.Sc. Edin.
Nye, P. H., M.A., B.Sc. Oxon.
Nyenhuis, E. M., B.Sc. Stell.
Smuts, S. J., M.Sc. Rand.
Corbett, G. G., B.Sc.Tech. Manc.
Twisleton - Wykeham - Fiennes, R. N., M.A. Camb.

Lecturers

Twum-Barima, K., B.A. Camb.
Hessayon, D. G., B.Sc. Leeds Res. Fellow.
Hagenzieker, F., M.Sc.Agric. Wageningen Res. Fellow.
Hutton, R. G., B.S. St. And. Soil Analyst.
Watt, Mary H., B.Sc. R'dg. Soil Analyst.
Hill, P. R. Farm Manager.

*Archæology*

Lawrence, A. W., M.A. Camb., F.S.A. Prof.
Davies, O., M.A. Oxon., D.Litt. Dub. Reader.
Collings, H. D., B.A. Camb. Curator.
Nunoo, R. B. Asst. Curator.
Kyerematen, A. A. Y., B.A. Durh., B.Litt. Oxon. Res. Fellow.

*Botany*

Boughey, A. S., B.Sc. Lond., Ph.D. Edin. Prof.
Goodall, D. W., B.Sc., Ph.D. Lond., D.Sc. Melb. Reader.

Lecturers

Adams, C. D., B.Sc. Lond.
Lawson, G. W., B.Sc. Lond.
Morton, J. K., B.Sc., Ph.D. Durh.

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

Holdsworth, M., B.Sc., Ph.D. Lond.
Madelin, M. F., B.Sc. Lond., A.R.C.S.
Harris, B. J., B.Sc., Ph.D. Wales.

*Chemistry*

Graham, J., B.Sc., Ph.D. Lond. Prof.

Lecturers

Torto, F. G. T. O'B., B.Sc., Ph.D. Lond.
Hulme, R., B.Sc., M.A. Oxon.
Blair, J. A., B.Sc. Glas.
Anderson, R. C., B.Sc., Ph.D. Glas.

*Classics*

Kidd, D. A., M.A. Aberd. and Camb. Prof.
Howorth, R. H., M.A. Camb. Reader.

Senior Lecturers

Astley, Sir Francis, B.A. Oxon.
Loader, W. R., M.A. Camb. (Anc. H.).

Lecturers

Ofosu-Appiah, L. H., M.A. Oxon.
Kwapong, A. A., B.A. Camb.

*Economics*

Williams, J. W., M.Com. N.Z., Ph.D. Lond. Prof.
Birmingham, W. B., B.Sc. (Econ.) Lond. Sr. Lectr.

Lecturers

Bevin, H. J., B.Sc. (Econ.) Lond.
Price, J. H., M.A. Oxon.
Davison, R. B., B.Sc. (Econ.) Lond.
Niculescu, B. M., M.A. Camb., B.Sc. (Econ.) Lond. Sr. Res. Fellow.
Kubinski, Z. M., M.A. Leeds Res. Fellow.
Rado, E. R., B.Sc. (Econ.) Res. Fellow.

*English*

Walton, G., M.A., M.Litt. Camb. Sr. Lectr.

Lecturers

Stock, T. A., B.A. Oxon.
Storch, R. F., B.A. Oxon.
Lamb, S. S., B.A. McG.
Dunn, T. A., M.A., Ph.D. Edin.

*French Studies*

Lawrenson, T. E., M.A., Ph.D. Manc. Sr. Lectr.

Lecturers

Winterbottom, J. A., B.A. Lond.
Wardman, H. W., B.A., Ph.D. Lond.
Purkis, Helen, M.C., M.A. Oxon., D. de l'U. Paris.

*Geography*

Varley, W. J., M.A. Wales, Dr.Phil. Copenhagen Prof.

Lecturers

Hilton, T. E., M.A. Manc.
Boateng, E. A., B.A. Oxon.
Clayton, R. W., B.A. Sheff.
White, H. P., M.A. Lond.

*Geology*

McCallien, W. J., D.Sc. Glas. Prof.

Lecturers

Anderson, M. M., B.Sc. Wales.
Bruckner, W. D., Dr.Phil. Basle.
Burke, K. C., B.Sc., Ph.D. Lond.
Smit, A. F. J., M.Sc. Amst.

*History*

Fage, J. D., M.A., Ph.D. Camb. Sr. Lectr.

Lecturers

Metcalfe, G. E., M.A. Oxon.
Lander, J. R., M.A., M.Litt. Camb.
Coombs, D. S., B.A. Lond.
Priestley, Margaret A., M.A. Camb., B.Litt. Oxon.
Sprigge, R. G. S., M.A. Camb.

*Mathematics*

Blaney, J. H., M.Sc., Ph.D. Lond. Prof.

Lecturers

Campbell, M. O'N., M.A. Camb.
Clarke, L. E., M.A., Ph.D. Camb.

Sawyer, D. B., M.A. Camb.
Heymans, P., B.A., Ph.D. Lond.

*Philosophy*

Taylor, D., M.A., Melb., M.A. Oxon. Prof.

Lecturers

Tulloch, Doreen M., M.A., Ph.D. St. And.
Gibbons, P. C., B.A. Syd., B.Phil. Oxon.
Collins, E. F., B.A. Camb.
Wilks, I. G., B.A. Wales.

*Phonetics*

Lecturers

Strevens, P. D., B.A. Lond.
McCallien, Mrs. Catherine, M.A. Glas.
Spicer, A., B.A. Lond., L. ès L. Poitiers.

*Physics*

Huntley, H. E., B.Sc. Brist., Ph.D. Rand. Prof.

Lecturers

Ward, L., M.Sc. Sheff.
Koster, Rev. J. R., M.S. De Paul.
Burns, D. M., B.Sc. St. And.
Ward, A. H., B.Sc., Ph.D. Birm.
Hutton, V. Rosemary S., M.A. St. And.

*Sociology*

Busia, K. A., B.A. Lond., M.A., D.Phil. Oxon. Sr. Lectr.

Lecturers

Tait, D., B.A., Ph.D. Lond.
Jahoda, G., M.Sc. (Econ.), Ph.D. Lond.
Nketia, J. H., B.A. Lond. Res. Fellow.

*Theology*

Hickinbotham, Rev. J. P., M.A. Oxon. Prof.

Senior Lecturers

Baeta, Rev. C. G., O.B.E., B.A., B.D. Lond.
Williamson, Rev. S. G., M.A. Birm.
Pyle, Rev. E. H., M.A. Camb. Lectr.

*Zoology*

Edwards, E. E., M.Sc. Lond., D.Sc. Wales Prof.

Senior Lecturers

Tazelaar, Mary A., M.Sc. Lond.
Gauld, D. T., B.Sc., Ph.D. Edin.

Lecturers

Stride, G. O., B.Sc., Ph.D. Brist.
Belfield, W., B.Sc. Manc.
Booth, A. H., B.A. Camb.
Buchanan, J. B., B.Sc. Aberd.
Thomas, J. D., B.Sc. Wales.

**Extra-Mural Studies**

Kimble, D., B.A. R'dg. (Seconded from Univ. of Oxford, Delegacy of Extra-Mural Studies) Dir.
Jones-Quartey, K. A. B., M.A. Col. Asst. Dir.
Roper, J. I., B.Litt. Oxon. Sr. Resident Tutor.

Resident Tutors

Bown, Miss Lalage, B.A. Oxon.
Austin, D. G., B.A. Lond.
de Graft-Johnson, J. C., B.Com., M.A., Ph.D. Edin.
Tordoff, W., B.A. Camb.
.....
.....
.....
..... Editor.

**Institute of Education**

Lewis, L. J., B.Sc. Wales Prof.
Hilliard, F. H., B.D., Ph.D. Lond. Sr. Lectr.

Lecturers

Taylor, A., M.A. N.Z.
Oddoye, J. G., M.A. Camb.
Lusty, Margaret M., M.A. N.Z., Ph.D. Lond.
Rees, Megan E. G., M.A. Wales.

## ADMINISTRATIVE AND OTHER STAFF

Sr. Med. Officer: J. M. Wilson, M.D. Lond., D.T.M. & H. Med. Officer: A. M. Boyd, B.Sc., M.B., Ch.B. St. And., D.T.M. & H. Sr. Asst. Registrar: A. Wainwright, B.Com. Liv. Asst. Registrars: A. M. Reeder, M.A. Oxon.; J. H. Tomson, B.A. Wales; E. Hughes, B.A. Wales; S. G. Davies, LL.B. Brist. Asst. Bursar: S. Grey. Accountant: F. G. Vanderweele. Dep. Librarian: Marjorie E. Heron, B.A. Lond., F.L.A. Asst. Librarians: Olive Carpenter, B.A. Lond., F.S.A.L.A.; R. S. Burkett, M.A. Camb.; G. N. Howe, B.A. Camb. Sec. to Inst. of Educn.: Rosemary M. Cave. Manciple: G. A. Deegan.

LONDON OFFICE. W. G. Sewell, M.Sc. Leeds, Asst. Registrar (Lond.)

## GENERAL INFORMATION

The College is an independent institution. Its Council was incorporated by the University College of the Gold Coast Ordinance, 1948, and has consisted partly of members of the public and partly of academic members; the Council has been advised by an Academic Board consisting of all Heads of Departments, with the Principal as Chairman. As the basis of a new Ordinance, to replace the 1948 Ordinance, the College has developed a constitution providing for a Chancellor, Court and Senate. Under this new constitution the College remains autonomous, having control of its policy and finances. Legislative and executive authority is vested in the Senate, which consists of all full-time teaching and administrative officers of the College above a certain seniority. Many executive duties and the duty of submitting resolutions to the Senate are entrusted to the Council of the Senate, which is elected by the Senate and is advised by the Academic Board, the Financial Board and the Board of Delegates (representing the Halls of Residence), all of which consist of members of the Senate. The Court consists partly of members of the public and partly of members of the Senate. Certain financial matters are reserved to a Joint Finance Committee consisting of members of the Court and of the Council of the Senate.

A site of five square miles near Accra, presented by the Government, is being developed for the permanent buildings of the College. Meanwhile the College has been housed in buildings of the Achimota School and in temporary buildings in the same area. An initial grant of £896,000 was made in 1948 by the Gold Coast Cocoa Marketing Board, which also made in 1950 a further grant of £1,000,000 for the development of a Department of Agriculture and associated Science Departments. The Gold Coast Government has granted £1,100,000 for permanent buildings and equipment and also made special grants totalling £330,000 for temporary buildings to accelerate the development of the College's Departments. H.M. Government have granted £400,000 from Colonial Development and Welfare funds towards a Hall of Residence. Annual revenue is voted quinquennially by the Legislative Assembly.

Of the permanent buildings the first Hall of Residence (Legon Hall, accommodating a Master, 8 resident Fellows and 200 students) has been occupied, and work is in progress upon the second and third Halls which accommodate 200 and 350 students, respectively, together with a number of Fellows.

The College was admitted in 1948 to special relationship with the University of London as recommended by the Asquith Commission (Report on Higher Education in the Colonies, 1945).

DEGREE COURSES are provided for Honours, Special and General London Degrees in Arts, Science, Divinity and Economics. Graduate students and

full-time teaching and research officers of the College may register for the Ph.D. Degree of London under the internal regulations.

FACULTIES. Arts, Soc. Studies, Physical Scis., Biological Scis., Agric.
The Institute of Education gives internal courses for postgraduate Diploma and non-grad. Assoc. Cert. (for experienced teachers only).

LIBRARY. An initial grant of £80,000 has been made for the purchase of books, together with annual grant of £5000. 60,000 volumes have been acquired up to date. 1300 current periodicals are taken. Special Collection on West Africa.

A NATIONAL MUSEUM is being developed in association with the Department of Archæology.

ADMISSION AND RESIDENCE. Entrance through annual competitive examns. to Inter. or post-Inter. courses. Candidates must have fulfilled Coll.'s preliminary requirements (approximate standard: 6 credits, or in certain cases 5 credits, in Cambridge Overseas Cert. or equivalent standard in G.C.E.). Entrance to Assoc. Course in Sch. of Educn. is by separate examn. to which only experienced teachers are admitted. Entry to all courses is open to men and women of all races. Students are required to reside in Coll. full-time.

FEES. Inclusive fee for tuition and residence £100 p.a.

The LANGUAGE OF INSTRUCTION is English.

TERMS. Michaelmas: October to December; Lent: January to March; Trinity: April to June.

PUBLICATIONS. *Principal's Report*, 1948–52; *Annual Report*; *Gold Coast Education* (thrice annually, published by Inst. of Educn.).

## THE YEAR 1951–52

NEW DEPARTMENT. Dept. of Agric. opened with appt. of Dr. J. F. V. Phillips as Prof. of Agric. Teaching is planned to commence in Oct. 1953 with courses for B.Sc. (Agric.).

EXAMINATIONS. First Hons. and Special degree examns. were taken under the special relationship with the Univ. of Lond. for B.A. (Hons.) and B.Sc. (Special).

BUILDINGS. Foundation ceremony at Legon Hall was performed on November 22, 1951, by Lady Arden-Clarke on behalf of H.E. the Governor. Work contd. under the first contract on the construction of Legon Hall and the preparation of the main Coll. site, laying of services and roads.

HALLS OF RESIDENCE. G. I. Smith, M.Sc., apptd. first Master of Legon Hall.

GIFT OF TRAVELLING EXHIBITION. Anonymous teaching officer of the College presented the English Travelling Exhibition to enable an undergrad. to travel in England during long vacation.

RESIGNATIONS. E. M. M. Milne (Engl.), to appt. with Nelson & Sons Ltd.; E. E. Kurankyi-Taylor (Sociol.), on expiry of appt.; A. S. Friediger (Chem.), apptd. to Copenhagen Univ.; H. J. Andrews (English, Res.), on expiry of appt.; J. H. Hubbard (Geog.), apptd. to Durh. Univ.; Bernice M. Hamilton (Hist.), apptd. Res. Fellow in Manc. Univ.; R. M. Bassindale (Zool.), on expiry of secondment.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 323 |
| Women | .. | 16 |
| Total | .. | 339 |

Students for the Assoc. Cert., 32.
New admissions, 179.

DEGREES (Special Relationship with Univ. of Lond.). B.A. (General), 9, Hons., 6 ; B.D., 1 ; B.Sc. (Econ.), 1 ; B.Sc. (General), 6, Special, 1 ; Postgrad. Cert. in Educn., 1.

CERTIFICATES. Assoc. Cert. for non-grad. teachers, 27.

[*Information compiled as at* 23/6/53.]

# UNIVERSITY COLLEGE, IBADAN*

Founded 1948

*Postal Address*: Ibadan, Nigeria, British West Africa.
*Cables*: University, Ibadan.
*Telephone*: Ibadan 210-2.
(London Representative, 1 Gordon Sq., W.C.1. *Telephone*: Langham 2705.)

CHAIRMAN OF PROVISIONAL COUNCIL—Sir SIDNEY PHILLIPSON, C.M.G., M.A. Manc.

PRINCIPAL—J. T. SAUNDERS, M.A. Camb.

VICE-PRINCIPAL—J. W. WELCH, M.A., Ph.D. Camb., M.Ed. Durh.

REGISTRAR—S. O. BIOBAKU, M.A. Camb., Ph.D. Lond.

ASST. REGISTRAR (Academic)—D. W. ANDREAS, M.A. St. And.

ASST. REGISTRAR (Finance)—H. PRESTON.

FINANCIAL ASSISTANT—N. C. BOURNE, B.Com. Lond.

ASST. REGISTRAR (Students)—N. K. ADAMOLEKUN, B.A. Lond.

ASST. REGISTRAR (London)—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.
Njoku, E., B.A. Lond., M.Sc. Manc., F.L.S. Hon. Res. Fellow.
Banbury, G. H., B.Sc. Lond., F.L.S. Lectr.
Berrie, G. K., B.Sc. Manc. Lectr.

*Chemistry*

Bevan, C. W. L., B.Sc. Wales, Ph.D. Lond. 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.
Fayiga, T. O., B.Sc. Lond. Demr.

*Classics*

Cadle, E. A., M.A. Camb. Sr. Lectr.

Lecturers

McKay, K. L., B.A. Syd. and Camb.
Bowman, A. I., M.A. Glas.
Hands, A. R., B.A. Oxon. (Anc. H.).
Bradshaw, A. T. von S., B.A. Dub.

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

*English*

Christophersen, P. H., Ph.D. Camb., Dr. Phil. Copenhagen Prof.

Lecturers

Stein, Rachel, B.A. Wales, B.Litt., D.Phil. Oxon.
Green, Joyce M , B.A. Brist.
Brosnahan, L. F., M.A. N.Z.
Brown, Mrs. Leila, M.A. Lond.
Rodger, A., M.A. Edin.

*Geography*

Garnier, B. J., M.A. Camb. Prof.
Pugh, J. C., M.A. Camb. Lectr.
Prothero, R. M., M.A. Wales Lectr.
Mitchel, N. C., M.A. Belf. Lectr.
Pugh, Mrs. Margaret, M.A. Camb. Temp. Asst. Lectr.

*History*

Lecturers

Anstey, R. T., M.A. Camb.
Saxton, W. E., B.A. Camb.
Bradshaw, Mrs. Jean M., B.A. Lond.

*Mathematics*

Atkinson, F. V., M.A., D.Phil. Oxon. Prof.
Obi, C., M.Sc. Lond., Ph.D. Camb. Lectr.
Denniston, R. H. F., M.A. N.Z., Ph.D. Camb. Lectr.
Zulauf, A., Dr.rer.nat. Mainz Lectr.
Wilson, D. H., M.Sc. Lond. Lectr.

*Medicine*, v. *infra*

*Mycology*

Sansome, Mrs. Eva R., M.Sc. Durh., D.Sc. Manc. Res. Fellow.

*Parasitology*

Onabamiro, S. D., B.Sc. Manc., Ph.D. Lond., F.L.S. Lectr.

*Physics*

Alexander, N. S., M.Sc. N.Z., Ph.D. Camb. Prof.

Lecturers

Wright, R. W. H., Ph.D. Lond.
Brown, R. A., B.Sc. Lond.
Skinner, N. J., B.Sc. Nott.
Bastin, J. A., B.A. Oxon.

*Religious Studies*

Welch, J. W., M.A., Ph.D. Camb., M.Ed. Durh. Prof.
Parrinder, Rev. G., M.A., M.Th., Ph.D., D.D. Lond. Sr. Lectr.

*Scientific French and German*

Cohne, Margaret, L. ès L. Lille Lectr.

*Zoology*

Webb, J. E., D.Sc., Ph.D. Lond. Prof.
Elgood, J. H., M.A. Camb. Sr. Lectr.
Webb, Mrs. Gwenlilian C., B.Sc. Lond. Lectr.
Clausen, H. S., M.Sc. Copenhagen Lectr.
Harris, V. A. P., B.Sc. Lond. Lectr.

**Agriculture**

..... Prof.
Ebes, K., Dr.Ir. Wageningen (Trop. Agric.) Sr. Lectr.

Lecturers

Hill, D. H., D.V.M. Tor. (Animal Husbandry).
Caswell, J. H., B.Sc. Lond. (Agric. Entomol.).
Jackson, R. M., B.Sc. Lond. (Plant Pathol.).
Milliken, M., M.Agric.Sc. N.Z. (Agric. Econ.).
Oyenuga, V. A., B.Sc., Ph.D. Durh. (Animal Nutrition).
Alexander, Mrs. F. Elizabeth, M.A., Ph.D. Camb. (Soil Sci.).

**Medicine**

*Anæsthetics*

Edwards, Phyllis M., B.Sc. W.Aust., M.B., B.S. Lond., D.A., F.F.A.R.C.S. Sr. Lectr.

*Anatomy*

Smith, A. Prof.

1 Sr. Lectr., 1 Lectr., to be apptd.

*Medicine*

Brown, A., M.B., Ch.B. Edin., F.R.C.P.Ed. Prof.

Lauckner, J. R., M.B., Ch.B. Edin., F.R.F.P.S. Glas. Sr. Lectr.

Tompkins, A. B., M.B., B.S. Lond. Lectr.

*Obstetrics and Gynæcology*

Lawson, J. B., M.A., M.B., B.Chir. Camb. Sr. Lectr.

Lister, Una G., M.B., B.S. Lond. Lectr.

*Pathology*

Silvera, W. D., M.B., Ch.B. Edin., F.R.C.P.Ed. Sr. Lectr.

Edozien, J. C., B.Sc. Lond., M.Sc., M.B., B.Ch., B.A.O. N.U.I. (Clin. Biochem.) Lectr.

*Pharmacology*

Broadbent, J. L., M.D. Leeds Sr. Lectr.

*Physiology*

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. Sr. Lectr.

**Extra-Mural Studies**

..... Dir.

Bartram, A. W. Visual Aids Organizer.

Tutors

Beier, H. U., B.A. Lond.

Bradfield, J. E. D., B.Sc. (Econ.) Lond.

Reid, D. I., B.A. Camb.

Ogwuazor, F. J., B.A. Lond.

Okoniya, C., B.A. Lond.

Moore, G. H., B.A. Camb.

**W. African Institute of Social and Economic Research**

..... Dir.

Research Fellows

Dike, K. O., M.A. Aberd., Ph.D. Lond.

Tanburn, Elizabeth, M.A. Lond.

Lloyd, P. C., B.A. Oxon.

Martin, Anne, B.A. Oxon.

Williams, P. M., B.Sc. Lond.

Hair, P. E. H., M.A. Camb.

Armstrong, R. G., M.A. Oklahoma, Ph.D. Chic.

Ruel, M. J., B.A. Camb.

## ADMINISTRATIVE AND OTHER STAFF

Domestic Bursar: M. A. George. Maintenance Officer: H. D. Thwaites. Electrical Engineer: C. C. Cheffins. Motor Transport Officer: N. G. Brebner. Setting-out Engineer: V. S. C. Price. Chief Cataloguer: Doris K. Forsythe, B.A. Belf., F.L.A. Reference Librarian: Margaret Hall, M.A. N.Z. Principal's Sec.: E. M. Rogers, B.A. Camb. Personal Asst. to Registrar: Margaret G. Middlemass, M.A. St. And. Chief Clerks: L. A. Ilegbodu; 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 Development and Welfare Act towards the cost of the permanent buildings. The Nigerian Government has endowed the College and makes an annual grant. In addition, endowments amounting to £1,175,000 have been received from the Nigerian Cocoa Marketing Board. An Endowment Fund Appeal has been launched.

FACULTIES AND DEANS. *Agric.*, Dr. D. H. Hill; *Arts*, Prof. F. V. Atkinson; *Medicine*, Prof. A. Brown; *Sc.*, Prof. J. E. Webb.

LIBRARY. Over 75,000 vols. in Arts, Sciences, Med. and Agric.; subscribes to 1200 current journals. Special collections include W. African Hist. and Ethnol., Trop. Agric. and Trop. Med. The Library is legal depository for all Nigerian publications.

LABORATORIES, FIELD STATIONS, ETC. The Fac. of Agric. has its teaching, research and admin. bldgs. and its own farm on the permanent site of the Coll. On the farm, soil survey, crop and animal production are actively proceeding and a small dairy herd of Zebu stock, as well as poultry, swine, sheep and goats, is maintained. A considerable area is under mechanized cultivation. As part of research into moisture conditions in Nigeria, measurements of evapo-transpiration at ten installations, covering the Niger Delta to the northern frontier, are being made.

A BOTANICAL GARDEN of 80 acres is being developed. Mainly West African plants are being grown, but there is an arrangement of exchange and testing of economic plants with the U.S.D.A., and an index seminum is published annually.

TEACHING HOSPITAL. The construction of a teaching hospl. has commenced. Until it is operating clin. students proceed overseas. In the meantime, clin. routines and res. are carried out in one Govt. and one Native Authority hospl.

The WEST AFRICAN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH is located in the Coll. The Institute is affiliated to the Univ. Colls. of Ibadan, Nigeria, and the Gold Coast. Negotiations for a wider affiliation are in progress. The staff at present consists of four economists, one historian and four anthropologists.

LANGUAGE OF INSTRUCTION. English.

ADMISSION. Students are required to pass the College Entrance Examn., for which they are ordinarily eligible only if they have passed the Cambridge School Certif. with passes at credit standard, or a G.C.E. with passes at ordinary level in Engl., Elem. Maths. and 3 other subjects.

TERMS. There are three terms in the academic year, which lasts from Oct. until June.

FEES. £95–£130 p.a. These fees cover board and tuition. All students are resident.

SCHOLARSHIPS, ETC. Fees plus £50 p.a. for remainder of course awarded by College on Inter. examn. in any Fac.; Nigerian Govt. awards annually 10 State Scholps. covering fees and with allowance of £50 p.a. for duration of course; fees plus £35 p.a. and vacation allowances (Nigerian Cocoa Marketing Bd.) open to sons and daughters of cocoa farmers. The Nigerian Govt. awards Bursaries similar to those of the N.C.M.B., to selected students in any Fac.

DEGREES. The College has been admitted to a special relationship with the Univ. of London, and courses of instrucn. are given in preparation for degrees of this Univ. The Coll. staff co-operate with the Univ. of London in preparing syllabuses and in the examns.

Students are prepared for the B.A., B.Sc. and B.Sc. (Agric.) degrees. Hons. courses (in Arts and Science) require 1 yr.'s further residence. Postgrad. and res. facilities are available in Sci. and Agric. Full-time members of the teaching staff may register as internal students for the Ph.D. degree of the Univ. of London.

VACATION COURSES, involving residence in the Coll., are conducted during the Long Vacation by the Dept. of Extra-Mural Studies.

The APPOINTMENTS BOARD (Sec., N. K. Adamolekun, B.A.) makes arrangements for sending students overseas for supplementary courses.

ADULT EDUCATION. The Dept. of Extra-Mural Studies arranges classes throughout the three regions of Nigeria, the work being financially supported by the Regional Governments.

RESIDENCES. There are 3 Halls of Residence for men and one for women students. Partly furnished staff residences of varying types are provided in the College grounds.

The STUDENT HEALTH SERVICE is under the supervision of the Prof. of Med.

The UNION controls all student athletic and other extra-curricular activities. Student officers are elected annually.

The GUILD OF GRADUATES has been constituted for membership of which all grads. of the Coll. and all grad. members of staff are eligible.

PUBLICATIONS. *Calendar* (annual, 3s. 6d.); *Annual Report*; *Library Record* (monthly); *University Herald* (student; terminal); *News & Views* (Dept. of Extra-Mural Studies).

## THE YEAR 1951–52

NEW BUILDINGS. Work on main bldgs. on the permanent site contd. steadily throughout the yr. and the staff housing programme made progress. Much preparatory work on sports fields, athletics track and tennis courts completed. Apart from Agric. and Pre-Clin. Depts. already working on the permanent site, all other teaching was carried on on the temporary site.

EXTRA-MURAL WORK. 166 classes throughout Nigeria were held and a total of 4278 students enrolled, showing a very marked increase on the year 1950–51. The Dept. benefited by a growing confidence and friendship in the regions, which served as encouragement in a country where further education is still a luxury.

RESIGNATIONS. T. Fuller (Maths.), to H.M. Forces; T. G. Weale (Maths.), apptd. to Admin. Res. Lab.; D. B. Jellife (Med.), apptd. to U.C. of W. Indies.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 327 |
| Women | .. | 11 |
| Total | .. | 338 |

1 postgraduate student.

New admissions, 95 men, 1 woman.

Students from other countries, 9 (from Gambia, 1 ; Gold Coast, 2 ; Sierra Leone, 6).

DEGREES AWARDED (Special Relationship with the Univ. of Lond.). *Arts* : B.A. Gen., 6 ; B.A. Hons., 4. *Science* : B.Sc. Gen., 9.

DIPLOMAS AWARDED. Lic. in Surg. and Med. (Nigeria), 6.

# MAKERERE COLLEGE
# THE UNIVERSITY COLLEGE OF EAST AFRICA*

*Postal Address*: P.O. Box 262, Kampala, Uganda, British East Africa.
*Telegraphic Address*: Makcol, Kampala.
*Telephone*: Kampala 2471.

VISITOR—H.E. Sir ANDREW B. COHEN, K.C.M.G., O.B.E., M.A.

CHAIRMAN OF COUNCIL—J. B. HUTCHINSON, C.M.G., Sc.D. Camb., F.R.S.

PRINCIPAL—BERNARD DE BUNSEN, M.A. Oxon.

VICE-PRINCIPAL—Professor F. B. WILSON, M.B.E., M.A. Camb.

ACADEMIC REGISTRAR—P. F. VOWLES, M.A. Oxon.

LIBRARIAN—JULIE E. I. LARTER, B.A. Lond., F.L.A.

## TEACHING STAFF

*Agriculture*

Wilson, F. B., M.B.E., M.A. Camb., Dip.Agric. Camb., A.I.C.T.A. Prof., Dean, Fac. of Agric.
Joy, F. L., B.Sc. (Econ.) Lond. Lectr.
Wilson, P. N., M.Sc. Lond. Asst. Lectr.

*Art*

Trowell, Mrs. K. Margaret, M.B.E. Sr. Lectr., Hd. of Sch.
Maloba, G. P. Asst. Lectr.

*Biology*

Beadle, L. C., M.A. Camb. Prof.
Lind, Edna M., B.Sc., Ph.D. Liv. Reader.
Calder, E. A., B.Sc. Leeds Lectr.
Milburn, T. R., B.Sc. Durh. Lectr.
Hartland-Rowe, R. C. B., B.Sc. Lond. Asst. Lectr.
Tallantire, Miss A. C., B.Sc. Durh. Asst. Lectr.
Wasawo, D., B.A. Oxon. Asst. Lectr.

*Chemistry*

Tenniswood, C. R. S, M.Sc. Durh., F.R.I.C. Dean, Fac. of Sci., Prof.
Naylor, R. F., B.Sc., Ph.D. Lond., D.I.C., F.R.I.C. Sr. Lectr.
Wilson, J. M., M.Sc. Belf. Sr. Lectr.
Peal, W. J., B.Sc., Ph.D. Lond. Asst. Lectr.

*Education*

Lucas, E. A., M.A. Camb. Dean, Fac. of Educn., Prof.
Gale, H. P., B.A. Lond. Sr. Lectr.
Graham, P. M. Margaret, M.A. Oxon., M.Ed. Lond. Pt.-time Sr. Lectr.

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

Lule, Y. K., B.Sc. S.A., B.Ed. Edin. Lectr.
McAdam, Mrs. Hrothgarde L. M., M.A. Camb. Lectr.
Engholm, Mrs. E., M.A. Camb. Lectr.
Owen, J. W., B.Sc. Wales Asst. Lectr.

*English*

Warner, A. J., M.A. Camb., Ph.D. Rand. Dean, Fac. of Arts, Prof.
Evans, M., B.A., Ph.D. Camb. Sr. Lectr.
Greenslade, B. D., B.A. Lond. Lectr.
Macpherson, Mrs. Margaret, M.A. Oxon. Lectr.
Wilshere, A. D., B.A. Lond. Asst. Lectr.
Dane, P., B.A. Lond. Asst. Lectr.
Warner, Mrs. Phyllis, B.A. Liv., M.A. Rand. Asst. Lectr.

*Geography*

Baker, S. J. K., M.A. Liv. Prof.
Ford, V. C. R., M.A. Lond., A.K.C. Lectr.
Carney, Rev. Father G., M.A. Camb. Pt.-time Lectr.
McMaster, D. N., B.A. Oxon. Asst. Lectr.

*History*

Ingham, K., M.C., M.A., D.Phil. Oxon. Sr. Lectr.
Beachey, R. W., B.A. Qu., Ph.D. Edin. Lectr.
Low, D. A., B.A. Oxon. Asst. Lectr.

*Mathematics*

Hudd, Mrs. Mildred E. M., B.Sc. Wales Lectr.
Arscott, F. M., M.Sc. Lond. Asst. Lectr.
Khabaza, I. M., M.A. Nott. Asst. Lectr.

*Physics*

Beadle, Mrs. Sydney F., B.Sc. Lond. Lectr.
Harrison, L. E., M.A. Camb. Asst. Lectr.
Thomson, D. M., B.A. Camb. Asst. Lectr.

*Social Studies*

Lecturers

Powesland, P. G., B.A. Brist. (Econ.).
Ehrlich, C., B.Sc. (Econ.) Lond. (Econ.).
Goldthorpe, J. E., M.A. Camb., B.Sc. (Econ.) Lond. (Sociol.).
Engholm, G. F., B.Sc. (Econ.) Lond. (Pol. Theory & Publ. Admin.).

**Medicine**

*Anæsthetics*

Hudd, H. R., B.Sc., M.B., B.Ch., D.A. Pt.-time Lectr.*

*Anatomy*

Galloway, A., M.B.E., M.A., M.B., Ch.B. Aberd., D.Sc. Rand., F.R.S.S.Af. Prof., Dean, Fac. of Med.
Allbrook, D. N., M.B. Lond., Ph.D. Sr. Lectr.
Chagula, W. K. Asst. Lectr.
Davies, A. G. M., M.B., Ch.B., D.M.R.D. Brist. and Lond. Pt.-time Lectr.*

*Gynæcology and Obstetrics*

Rendle-Short, Coralie, M.B., Ch.M. Brist., F.R.C.O.G. Prof.
Scotland, W. M. D., M.B., Ch.B. Glas. First Asst.
Mansfield, H., M.B., B.S. Lond. Pt.-time Lectr.*

*Medicine*

Williams, A. W., M.A., M.D. Camb. Prof.
Ball, J. D., M.B., B S. Lond. First Asst.

* Govt. Medical Service.

Trowell, H. C., M.D., B.S. Lond., F.R.C.P. Pt.-time Lectr.*
Campbell-Young, G. C., D.P.M. Pt.-time Lectr.*

*Ophthalmology*

Boaze, A. J., O.B.E., D.O.M.S., F.R.C.S. Pt.-time Lectr.*

*Pathology*

Davies, J. N. P., M.D. Brist. Prof.
Wilson, A. A. M., B.M., B.Ch. Oxon. Lectr.

Part-time Lecturers*

Raper, A. B., B.Sc., M.D., Ch.B., Leeds.
Elmes, B. G. T., M.D., F.R.C.P. Ed.

*Physiology*

Holmes, E. G., M.A., M.D. Camb. Prof.
Stanier, Margaret W., M.A. Oxon. Sr. Lectr.
Lipton, A., B.Sc. Lond. Asst. Lectr.

*Preventive Medicine*

Bozman, C. A., O.B.E., M.B., B.Ch. Edin., D.P.H. Prof.
Kemp, P. D. Pt.-time Lectr.*
Ladkin, R. G., M.B.E., M.A., B.M., B.Ch. Oxon. Pt.-time Lectr.*

*Surgery*

Croot, H. J., M.B., B.S. Lond., F.R.C.S. Prof.
Hamilton, D. M., B.A., B.M., B.Ch. Oxon., F.R.C.S. First Asst.

Part-time Lecturers *

McAdam, I. W. J., M.B., Ch.B. Edin., F.R.C.S.Ed. Lectr.
Burkitt, D. P., M.D., Ch.B. B.A.O. Dub., F.R.C.S.Ed. Lectr.

**Veterinary Science**

(P.O. Kabete, Kenya. *Telephone:* Fort Smith 238)

Polding, J. B., B.Sc., Ph.D. Lond. Prof., Dean of Fac.
Barrett, M. A., B.Sc. R'dg. (Animal Husb.) Reader.
Harthoorn, A. M., D.V.Sc. Utrecht (Vet. Physiol.) Lectr.
Simpson, Mrs. Ruth M., B.V.Sc. Liv. (Clin. Vet. Med.) Reader.
Bosa, G. M., Dip.Vet.Sc. (E.A.) (Vet. Anat.) Asst. Lectr.

**East African Institute of Social Research**

Richards, A. I., M.A. Camb., Ph.D. Lond. Dir.

Senior Research Fellows

Southall, A. W., B.A. Camb., Ph.D. Lond. Anthropologist.
Winter, E. H., Ph.D. Harv. Anthropologist.
Laird, A. J., M.A., B.Sc. Edin. Psychologist.
Whiteley, W., B.A. Lond. Linguist.
Morris, H. S., B.Sc. Edin., Dip. Anthrop. Lond. Sociologist.

Junior Research Fellows

Wrigley, C., B.A. Oxon. Economic Historian.
Gutkind, P. C. W., M.A. Maryland Sociologist.

## ADMINISTRATIVE AND OTHER STAFF

Bursar: J. E. Burrough. Wardens: Mitchell Hall, Rev. F. B. Welbourn, M.A. Camb.; Northcote Hall, S. J. Colman, B.A. Oxon.; Women's Hall, P. Margaret Graham, M.A., M.Ed. Dep. Librarian: E. J. Belton, B.A. Oxon.,

* Govt. Medical Service.

F.L.A.; Asst. Librarian: Johanna Bouman, B.A. Stell., Dip.Lib. Cape T., F.S.A.L.A. Chaplains: Rev. Father G. Carney, M.A. Camb. (Catholic), Rev. F. B. Welbourn, M.A. Camb. (other branches of the Church). Asst. Bursar, F. G. Sutton. Asst. Registrar, R. A. Bell.

## GENERAL INFORMATION

Makerere College was founded in 1922 as a Technical Sch. under the Educn. Dept. of Uganda Admin. It rapidly broadened its educational aims and raised its standard of work, for even in quite early yrs. its potentialities as a centre for advanced educn. were not ignored. Following the De la Warr Report in 1937,* which pointed to the future of the Coll. as a centre of higher studies in E. Africa, under the inspiration of Sir Philip Mitchell the Coll. was presented with land and an endowment and a nucleus of its bldgs. Work on the present admin. block was inaugurated by H.R.H. the Duke of Gloucester, and the block with its twin chapels was completed in 1941. Support and benefactions from African and European sources have consolidated the inter-territorial status of Makerere. On the recommendation of the Asquith Commission in 1945 it was definitely decided that the Coll. should become the centre of Univ. studies in E. Africa. A Scheme of Special Relationship with the Univ. of London was entered into at the end of 1949, whereupon the Coll. assumed its present title. Courses leading to the General Degrees of the Univ. of London in Arts and Sci. started at the beginning of 1950.

The govt. and admin. of the Coll. follow the provisions of the Makerere College Act, 1949, and so far as these are applicable, the established practices and conventions of English Civic Univs.

The policy of the Coll. is that it shall be open to all students, regardless of race, colour and religion, who have the academic qualifiens. 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 hall has now been 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., 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 mainly by a grant of £1,100,000 under 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.

FACULTIES AND DEANS. *Agriculture*, Prof. F. B. Wilson; *Arts*, Prof. A. J. Warner; *Education*, Prof. E. A. Lucas; *Medicine*, Prof. A. Galloway; *Science*, Prof. C. R. S. Tenniswood; *Veterinary Science*, Prof. J. B. Polding.

LANGUAGE OF INSTRUCTION: English.

LIBRARIES. Main library, approx. 27,000 vols.; sub-library at Med. Sch., approx. 8000 vols.

* *Report of Commission on Higher Education in East Africa*, Sept. 1937 (Chairman—Lord De la Warr).

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.

The ACADEMIC YEAR runs at present from March to December.

STUDENT ATHLETIC FACILITIES. The Coll. has its own playing fields, and there are facilities for athletics, football, hockey, cricket and tennis.

A CADET CORPS has been in existence for some yrs.

ALUMNI SOCIETY. Makerere College Union Society. Further information from Sec., c/o The Principal, Makerere Coll.

The EAST AFRICAN INSTITUTE OF SOCIAL RESEARCH is administered by the Coll.; Dir., Dr. A. I. 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 1952

NEW BUILDINGS. The Williamson lab. for Physics opened, financed by generous gift of £50,000 from Dr. J. T. Williamson of Tanganyika.

RESIGNATIONS. R. W. Bolland (Educn.); Lt.-Col. A. Scragg (Registrar).

DEATH. A. P. Buxton (Zool.).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 261 |
| Women | .. | 11 |
| Total | .. | 272 |

New admissions, 85.

DIPLOMAS. (Awarded by the College.) Agric., 1; Med., 4; Educn., 1.

[*Information compiled as at* 29/5/53.]

# UNIVERSITY COLLEGE OF THE WEST INDIES*

Founded 1946; incorporated by Royal Charter 1949

*Postal Address*: Mona, St. Andrew, Jamaica, British West Indies.
*Cable and Telegraph*: University Jamaica.
*Telephone*: P.B.X. 7661.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—H.R.H. THE PRINCESS ALICE, COUNTESS OF ATHLONE, G.C.V.O., G.B.E.

PRINCIPAL—W. W. GRAVE, M.A., Ph.D. Camb.

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.
Loveless, A. R., M.A., Ph.D. Camb. Asst. Lectr.
Palmer, J. H., B.Sc. Sheff. Asst. Lectr.

*Chemistry*

Hassall, C. H., M.Sc. N.Z., Ph.D. Camb., F.R.I.C. Prof.
Martin, S. L., M.Sc. Lond., D.I.C., F.R.I.C. Sr. Lectr.

Lecturers

Sharp, Violet, M.A. Camb., M.Sc. Lond., Ph.D. Birm.
Heal, H. G., B.Sc., Ph.D.
Sangster, A. W., B.Sc. Belf. Asst. Lectr.
Reyle, K., Ph.D. N.Z. Jr. Res. Fellow.

*Education*

D'Aeth, H. R. X., A.M. Harv., B.A., Ph.D. Camb. Prof.

*English*

Croston, A. K., M.A. Camb. Prof.

Lecturers

Le Page, R. B., B.A. Oxon., Ph.D. Birm.
Rooke, Barbara E., M.A. Qu., Ph.D. Lond.

*History*

Parry, J. H., M.B.E., Ph.D., M.A. Camb. Prof.
Cunningham, A. B., B.A. Durh., M.A. Lond. Lectr.
Goveia, Elsa V., B.A., Ph.D. Lond. Lectr.
Fraser, D. G. L., M.A. Acad. Asst. Lectr.

*Languages, Modern*

Sandmann, M., M.A., D.Litt. Glas., Dr.Phil. Bonn Prof.

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

Lecturers
Coulthard, G. R., B.A. Oxon., Ph.D. Lond.
Mailer, W., M.A. Edin., L. ès L.
Pélissié, Janine, L. ès L.
Asst. Lectr.

*Latin*
Carrington, A. G., B.A. Lond.
Lectr.
Dorey, T. A., M.A. Oxon.
Asst. Lectr.

*Mathematics*
Robinson, L. R. B., M.A. Lond.
Lectr.
Read, R. C., M.A. Camb.
Asst. Lectr.

*Medicine*, v. *infra*

*Pathology*, v. Medicine, *infra*

*Physics*
Bowen, F. H., M.A. Col., Ph.D. Lond., D.I.C. Sr. Lectr.

Lecturers
Barton, J. C., B.Sc., Ph.D. Lond.
Cade, R., M.Sc., Ph.D. Lond.

Assistant Lecturers
Mugglestone, D., B.Sc. St. And.
Mykura, H., B.Sc. Lond.

*Physiology*, v. Medicine, *infra*

*Surgery*, v. Medicine, *infra*

*Zoology*
Millott, N., M.Sc. Sheff., Ph.D. Camb. Prof.

Lecturers
Rankin, Jessie J., B.Sc., Ph.D. Edin.
Underwood, G. L., B.Sc. Lond.
Bellinger, P. F., B.A., Ph.D. Yale.

**Medicine**

*Anatomy*
Harper, W. F., M.D., B.Sc., Ph.D. St. And. Prof.
Escoffery, G. S., M.B., Ch.B. Aberd., M.P.H. Johns H.
Lectr.

*Medicine*
Cruickshank, E. K., M.D., M.B., Ch.B. Aberd. Prof.
Jelliffe, D. B., B.S. Lond., M.D. Lond. (Pædiatrics)
Sr. Lectr.
Hugh-Jones, P., M.A., M.D. Camb.
Sr. Lectr.
Forde, H., M.D. Edin. Lectr.

*Pathology*
Hill, K. R., M.D., B.Sc. Lond.
Prof.

Senior Lecturers
Bras, G., M.D. Batavia (Morbid Anat.).
Grant, L., M.B., Ch.B. Edin., M.P.H. Mich. (Bacteriol.).

Lecturers
Caselitz, F. H., M.D. Hamburg (Bacteriol.).
Clearkin, K. P., M.D., B.Ch. Belf. (Morbid Anat.).
Stafford, J. L., M.B., Ch.B. Birm. (Clin. Path.).

Research Assistants
Rhodes, K., M.B., Ch.B. St. And.
Gordon, C. C., M.Sc. Mich.
Goodey, J., B.A. Oxon. (Pt.-time).

*Physiology*
Mackay, I. F. S., M.Sc., Ph.D. Manc. Prof.
Patrick, S. J., M.A., Ph.D. Tor. (Biochem.) Sr. Lectr.
Feng, P., M.D. Shanghai, M.S. Tennessee (Pharmacol.)
Lectr.
Goreau, T., M.Sc. Yale Lectr.
Kean, E. A., B.A. Tor., M.Sc. McG.
Asst. Lectr. (Biochem.).
Waterlow, J. C., M.D. Camb.
Sr. Res. Fellow.

*Surgery*
Ovens, G. H. C., O.B.E., M.B., B.S. Lond., F.R.C.S. Prof.
Gardner, C. C., M.B., Ch.B. Edin., F.R.C.S. Sr. Lectr.

Miles, R. P. M., M.B., B.S. Lond., F.R.C.S. Lectr.

**Extra-Mural Studies**

Dir.—P. M. Sherlock, B.A. Lond. Resident Tutors:—*Leeward Islands*—S. Sharp, M.A., Dip. Ed. *Jamaica*—..... *Windward Islands*—B. H. Easter, C.M.G., C.B.E., B.A. Lond. *Trinidad*—A. Pearse, M.A. Camb. *Brit. Honduras*—R. E. G. Farley, B.A., B.Sc. Lond. *Brit. Guiana*—A. A. Thompson, B.A. Lond. *Barbados*—A. E. Douglas-Smith, M.A. Camb.

**Institute of Social and Economic Research**

Dir.—H. D. Huggins, M.Sc. Corn., M.A., Ph.D. Harv. Res. Assts.:—L. Braithwaite, B.Sc. Lond.; G. Cumper, B.A. Camb.; Nora M. Mailer, B.Sc. Lond.; K. H. Straw, B.A. Manc.; W. F. Maunder, B.Sc. Lond.; M. G. Smith, B.A., Ph.D. Lond.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: Mrs. Jeanne A. Simmons, B.A. Oxon. Bursar: R. A. Swaby, D.P.A. Lond. Steward: Major K. T. Craig. Asst. Librarian, Grade I: K. Ingram, B.A. Lond. Asst. Librarians, Grade II: Mercedes Josephs, B.A. Lond., Elsie Woo-Ming, B.A. Tor., Elaine Henriques, B.Sc. McG.

## 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 Educn. in the Colonies under the chairmanship of Sir James Irvine,* then 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.

LIBRARY. The Library was transferred to the new permanent bldg. in May 1952. (22,918 vols., 3256 pamphlets, 158 maps, 152 microfilm and film-strips, 70,590 periodicals, 13,876 Govt. serials, 563 calendars.) The Library now exchanges publications with 374 libraries, institutions, societies and publishers.

At the Commemoration Day Ceremony, Feb. 16, 1952, the Chancellor, H.R.H. Princess Alice, on behalf of H.M. Queen Mary, presented to the Library a collection of 322 vols. from the Library of H.M. in Marlborough House.

TEACHING HOSPITAL. In 1952 the University College Hospital opened for the admission of patients with 215 general Med. and Surg. beds and in 1953 the Obstet. Block was opened. 35 students are now receiving their clin. trg.

* *Report of the West Indies Committee of the Commission on Higher Education in the Colonies* (H.M.S.O. 1945, Cmd. 6654).

FACULTIES AND DEANS. *Arts*, Prof. J. H. Parry ; *Med.*, Prof. E. K. Cruickshank ; *Nat. Scis.*, Dr. F. H. Bowen.

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 are qualified to satisfy the entrance requirements of the Univ. of London. Candidates for admission are examined by papers set by the Coll. and are interviewed.

TERMS. The academic year is from Oct. to the end of June, with three terms, each of eleven weeks.

CURRICULA. The Univ. College is in a special relationship with the Univ. of London, the degrees awarded being those of London, the schemes of examn. being devised jointly by the Coll. and the Univ. and the examn. conducted by examiners from both bodies. Teaching in the Fac. of Medicine began in Oct. 1948 and in the Fac. of Natural Sciences in Oct. 1949. Teaching in the Fac. of Arts began in Oct. 1950.

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 examns. held in the Caribbean Colonies each yr. In addition, several of the Colonies award exhibitions to those educated or born in the Colony. Private benefactions have established the following awards : Cadbury Exhibition, Farquharson Memorial Exhibition, Gilchrist Scholp. ; St. Madeleine, St. Kitts, Antigua Exhibition. The Geddes Grant Fellowship is awarded for postgrad. work in subjects of Caribbean interest.

PUBLICATIONS. *Year Book* ; *Caribbean Quarterly* ; *Caribbean Affairs* (series of pamphlets).

## THE YEAR 1951–52

BENEFACTIONS. Rockefeller Foundation, $2000, for res. in Dept. of Zool. ; Mrs. H. E. Bateman, £350, for cinema projector ; anonymous donor, funds for establishment of the Princess Alice Scholps. ; Foresight Foundation of New York, $1500, to purchase books for Library ; Josiah Macy (Jr.), $17,402, for Liver and Nutrition Res. and Nutrition Survey ; Lederle Labs., $989, for Yaws Res.

NEW BUILDINGS. 3 Halls of Residence have now been completed (Irvine, Taylor, Chancellor). Library, Science Schools, Arts Block and Teaching Hosp completed. Students' Union nearing completion.

NEW DEPARTMENT. Dept. of Educn. [teaching to begin in Oct. 1953].

EXTRA-MURAL DEPARTMENT. Programme has included class programme covering a wide range of subjects ; special courses and summer schools for civil servants, teachers, field workers of the agric. and soc. welfare organizations. The dept. helped to organize the first Caribbean Seminar on Adult Educn., Sept 1-17, 1952, which attracted workers in adult educn. not only from the Caribbean but also from the U.S., Canada and the U.K. Publications include *Caribbean Quarterly* and *The Economics of Everyday Life in the West Indies*, the latest addition to the Caribbean Affairs series.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. Ruth Bourne, Whittier College, Calif.; Dr. H. A. Imshaug, Harv.; Dr. W. G. Lyn visited the Coll. under the Fulbright Programme.

RESIGNATIONS. A. E. Lippman (Chem.), R. G. Robbins (Bot.), apptd. to Victoria U.C., Wellington.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 152 |
| Women | .. | 53 |
| Total | .. | 205 |

New admissions, 70.

DEGREES AWARDED (Special relationship with the Univ. of Lond.). B.Sc., 11.

[*Information compiled as at* 3/7/53.]

# THE IMPERIAL COLLEGE OF TROPICAL AGRICULTURE*

Founded 1921

*Postal Address*: St. Augustine, Trinidad, British West Indies.
*Cables*: Stomata, Port-of-Spain.
*Telephone*: 94419.

CHAIRMAN OF THE GOVERNING BODY—Professor Sir FRANK L. ENGLEDOW, C.M.G., M.A. Camb., F.R.S.

PRINCIPAL—G. A. C. HERKLOTS, M.Sc., Ph.D., F.L.S.

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, M.B.E., Rooms 104/5, 40 Norfolk Street, Strand, London, W.C.2. (*Telephone*: Temple Bar 2540.)

MANAGER, MILNER HOSTEL—H. WHITAKER.

## TEACHING STAFF

*Agriculture*

Killick, A. B., C.M.G., B.Sc. Lond., Dip.Agric. Wye — Prof.
Badcock, W. J., Agric.Dip. R'dg., A.I.C.T.A. — Reader.
Webb, G. H., Dip.Agr. Harper Adams — Lectr.
Campbell, J. S., B.Sc. Hort. R'dg., D.T.A. Trin. — Lectr.
Howes, J. R., B.Sc. Lond., M.Sc. McG. — Lectr.
Rosher, P. H., B.Sc. R'dg., M.Sc. Durh. — Lectr.
Jones, P. O. M. — Farm Manager.

*Botany and Plant Pathology*

Baker, R. E. D., M.A. Camb., A.I.C.T.A. — Prof.
Wilson, J., B.Sc. Durh. — Lectr.
Hutchinson, P. B., M.Sc. N.Z. — Lectr.

*Chemistry and Soil Science*

Hardy, F., C.B.E., M.A., Dip.Agr. Camb. — Prof.
Jones, T. A., B.Sc., M.Sc. — Reader.
Rodrigues, G., F.R.I.C. — Lectr.

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

*Economics*

Jolly, A. L., M.A. Camb., M.Sc. Wales, Ph.D. Lond. Lectr.

*Sugar Technology*

Wiggins, L. F., D.Sc., Ph.D. Birm., F.R.I.C. Prof., Dir. of Res.

Yearwood, R. D. E., A.I.C.T.A., D.I.C.T.A. Sugar Technologist.

Schmidt, N. O., M.Sc. Copenhagen Asst. Sugar Technologist.

*Veterinary Science*

Metivier, Capt. H. V. M., O.B.E., B.Sc. Lond. Lectr.

*Zoology and Entomology*

Kirkpatrick, T. W., M.A., Dip. Agr. Camb. Prof.

Breese, M. H., B.Sc. Wales, D.I.C., F.R.E.S. Lectr.

**Research Staff**

*Banana Research*

Simmonds, N. W., M.A. Camb., A.I.C.T.A., F.L.S. Sr. Cytogeneticist.

Shepherd, K., B.Sc. Durh. Jr. Cytogeneticist.

*Cocoa Research*

Fennah, R. G., M.A. Camb., A.I.C.T.A. Entomologist.

Cope, F. W., M.Sc. Sr. Plant Breeder.

Bartley, B. G. D., B.Sc. Agr. Alld., M.Sc., Ph.D. Iowa Jr. Plant Breeder.

Murray, D. B., B.A. Camb., A.I.C.T.A. Jr. Plant Physiologist.

Ross, R. Manager, River Estate.

White, V. E., D.I.C.T.A. Asst. Manager, River Estate.

Holliday, P., B.A. Camb. Plant Pathologist.

Havord, G., B.Sc. Lond. Sr. Soil Chemist.

Maliphant, G. K., B.Sc., D.Ph. Jr. Soil Chemist.

de Witt, K. W., B.Sc. Brist. Biochemist.

Schroo, H., Ir. Wageningen Soil Scientist.

*Soils Research*

Vernon, K. C., B.Sc. Manc. Soil Surveyor.

Smith, G. W. R., B.Sc. Lond. Soil Physicist.

Spector, J., B.Sc. Lond. Spectrographer.

Junior Soil Surveyors

Watson, J. P., B.A. Agric. Oxon.

Finch, T. F., M.Sc., B.A. Dub.

Price, R. W., M.Sc.

*Sugar Research*

Wiggins, L. F. D.Sc., Ph.D. Birm., F.R.I.C. Dir.

Thomson, A. F., B.Sc. Glas. Chemical Engineer.

Senior Organic Chemists

Williams, J. H., B.Sc. Lond.

Winstanley, J., B.Sc. Manc.

Junior Organic Chemists

Davison, B. K., B.Sc., Ph.D. Durh.

Holland, I. D., B.Sc. Manc.

Chadwick, D. S., B.Sc. Manc.

Wise, W. S. D., B.Sc. Jr. Phys. Chemist.

## GENERAL INFORMATION

Incorporated in 1921 and reincorporated by Royal Charter in 1926, the College aims at promoting the study of and conducting research in tropical agriculture in suitable surroundings and creating a body of British expert agriculturists well versed in the knowledge of the cultivation of land in the tropics, of chemists, and of scientific advisers possessing an intimate knowledge

of the means of combating pests and diseases. The College buildings are at St. Augustine, near St. Joseph, Trinidad, on land granted by the Govt. of Trinidad and Tobago.

To meet the expanding work of the College a comprehensive building programme has recently been completed, in addition to the provision of new staff and student quarters. A new Biology Bldg. and new Sugar Technology Labs. were completed in 1950–51, the former housing the Depts. of Botany, Plant Pathology and Entomology and the latter the Dept. of Sugar Technology. Through the generosity of Cadbury Bros., Ltd., the Coll. has acquired a 426-acre estate, which is being developed as a cocoa experiment station. 300 acres of land were acquired from the Trinidad Govt. in 1947 which are being developed as a mixed farm for investigational and instructional purposes.

The foundation-stone of the new buildings and laboratories was laid by Sir Samuel Wilson, Governor of Trinidad and Tobago, in 1924. An Instructional and Experimental Sugar Factory, towards which British sugar machinery manufacturers contributed plant worth £20,000, was opened in 1925 and has recently been modernized. 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 students who obtain the Diploma with credit and to postgraduate students. The period of study to cover all requirements is 2 sessions of 3 terms each.

(3) A 1-yr. course leading to an *Associateship* of the College (A.I.C.T.A.) in *Sugar Technology*, open to students possessing the Diploma in Sugar Technology of the College or acceptable graduate qualifiens. 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, £22 : 10s. per mo.; 1st and 2nd yrs. 12 mos. (each £270); 3rd yr. 9 mos. (£202 : 10s.). Subscriptions, say, £5 p.a. Books, tours, pocket-money, etc., a minimum of £150 p.a. (1st and 2nd yrs.); £112 p.a. (3rd yr.). To these must be added the fees set out above, and also cost of passage to Trinidad in the first, and from it in the third, year. 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 £350.

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 1951–52

EXTRA-MURAL WORK. Visits of Coll. Officers to neighbouring colonies in the Caribbean area.

STUDENTS. Full-time, 79; graduates and special course students, 39; preparing for diploma, 40. Included in the above total were 60 first-year admissions.

DIPLOMAS. D.I.C.T.A., 10; D.T.A. Trin., 24.

ASSOCIATESHIPS. 4.

[*Information compiled as at* 9/6/53.]

# 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 Sornay, A., B.Sc. Lond.

*Agronomy*—Coombes, Capt. A. N., B.Sc. R'dg.; Julien, J. H.

*Animal Husbandry and Vet. Science*—Darné, A.

*Biology and Entomology*—Williams, J. R., B.Sc. Brist., D.I.C., F.R.E.S.; Moutia, L. A., F.R.E.S.

*Botany and Agric. Botany*—Antoine, R., B.Sc. Lond., Dip.Ag. Camb.; Guérandel, P.

*Chemistry*—Lagesse, J. R., B.Sc. Lond.; Burrenchobay, R., B.Sc. Edin.

*Electrical Engineering*—Desmarais, R., B.Sc. (Electr.).

*Mathematics*—Latulipe, R., B.Sc. Lond.

*Physics*—Latulipe, R., B.Sc. Lond.

*Sugar Technology and Agric. Engineering*—de St. Antoine, J. D. de R., B.S.

*Surveying*—Mulnier, K.

## GENERAL INFORMATION

The College is administered as an integral part of the Department of Agriculture of the Colony. The cost of the building (opened Jan. 1925) and equipment was £14,000. Experimental fields and farms cover 60 acres. Laboratories provide accommodation for research in Chemistry, Entomology, Botany, Mycology, Physics and Sugar Technology. Athletic grounds are attached to the College.

A 3 yrs.' course leads to the Diploma of the College. Short courses in the inter-crop period are provided for estate employees and special courses for agricultural and sugar-house chemists. The examns. of the City and Guilds of London Institute in sugar technology are held at the College.

The College year begins in May.

Minimum age for admission, 18. Entrance examn. in English, French, Chemistry and Maths. Holders of Matric. certificate of any British University are excused those subjects which appear on their matric. certificate.

Tuition fee £22 p.a.

## THE YEAR 1951–52

STUDENTS. Full-time: 33. Part-time: 13. 3 women students.

DIPLOMAS in Agric., 9.

[*Information compiled as at* 2/9/53.]

# CONDOMINIUM

ANGLO-EGYPTIAN SUDAN

# UNIVERSITY COLLEGE OF KHARTOUM

Founded 1951

Incorporating Gordon Memorial College (founded 1902)
and The Kitchener School of Medicine (founded 1924)

*Postal Address*: P.O. Box 321, Khartoum, Anglo-Egyptian Sudan.
*Telegraphic Address*: Kulliya, Khartoum.
*Telephone*: 2601, 3111 (P.B.Ex.), Khartoum.

PRESIDENT—H.E. THE GOVERNOR-GENERAL OF THE SUDAN.

CHAIRMAN OF COUNCIL—IBRAHIM AHMED IBRAHIM, M.B.E.

PRINCIPAL—L. C. WILCHER, B.A. Adel., M.A., B.Litt. Oxon.

VICE-PRINCIPAL—A. B. THEOBALD, B.A., Dip.Ed. Lond.

REGISTRAR—G. C. WOOD, M.A. Oxon.

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.; *Medicine*—A. SMITH, O.B.E., M.A., M.B., B.Chir. Camb.; *Science*—H. SANDON, M.A. Camb., Ph.D. Rutgers; *Veterinary Science*—J. S. GARSIDE, Ph.D. Edin., D.V.S.M. Manc.

LIBRARIAN—M. JOLLIFFE, B.A. Lond., F.L.A.

DEPUTY LIBRARIAN—J. W. E. DEAN.

STUDENTS' WARDEN—J. M. AHMED (on leave).

ACTING STUDENTS' WARDEN—S. E. D. FAWZI, M.A. St. And., B.A. Oxon.

## TEACHING STAFF

*Administration*

Daniell, J. P. S., M.A. Oxon. Dean and Sr. Lectr.

*Agricultural Biology*

Darling, H. S., B.Sc., M.Agric. Belf. Sr. Lectr.
Cobley, L. S., B.Sc. Manc. Sr. Lectr.
Abdulla Nur, M., B.Sc. Lond. Lectr.

*Agricultural Chemistry*

Boyns, B. M., B.Sc., Ph.D. Durh. Dean and Prof.
Worrall, G. A., B.A., B.Sc. Lond. Sr. Lectr.
Cleasby, T. G., B.Sc., Ph.D. Leeds Asst. Lectr.

*Agriculture*

Read, J. L., B.Sc. Agric. Durh. Sr. Lectr.

Lecturers
Low, F. K. A., M.A. Oxon.
Hussein, I., Dip.Agric.

Assistant Lecturers
Manson, J. L., M.Sc. Durh.
Brain, R., B.Sc. Brist.

*Arabic*
Al Nuwaihi, M. M., B.A. Fuad I, Ph.D. Lond. Prof.

Lecturers
Abdin, A. M., M.A. Fuad I.
Ishag, M. A. A., B.A. Fuad I.
Abbas, I. R., B.A. Fuad I.

*Botany*
MacLeay, K. N. G., B.Sc., Ph.D. St. And., F.L.S. Sr. Lectr.
Prowse, G. A., B.Sc., Ph.D. Lond. Lectr.
el Kassas, M. A. F., M.Sc. Fuad I, Ph.D. Camb. Lectr.
Talling, E. F., B.Sc. Leeds Asst. Lectr.

*Chemistry*
Henry, A. J., B.Sc., Ph.D. Lond., D.Sc. R'dg. Prof.
Hallam, H. E., M.Sc. Wales Lectr.
Ali el-Sharawy, H., B.Sc. Cairo, Ph.D. Lond. Lectr.
Dolieb, D. M., B.Sc. St. And. Lectr.
Hassan Ishaq, M., B.Sc. St. And. Asst. Lectr.
Mortimer, C. T., M.Sc., Ph.D. Manc. Asst. Lectr.

*Economics*
Fawzi, S. E. D., M.A. St. And., B.A. Oxon. Sr. Lectr.
Condie, R. H. B., M.A. Glas. Lectr.

*Engineering, Civil*
Hendry, A. W., B.Sc.Eng., Ph.D. Aberd. Dean and Prof.
Saad, S., B.Sc. Cairo, M.Sc. Lond. Sr. Lectr.
Jaeger, L. G., M.A. Camb. Lectr.

*Engineering, Electrical*
Mitry, W., M.Eng. Liv. Sr. Lectr.

*Engineering, Mechanical*
Wootton, K. J., B.Sc.Eng., Ph.D. Lond. Sr. Lectr.

Lecturers
Lamond, S. R., B.Sc.Eng. Lond.
Penzias, W., B.Sc. Lond.
Henderson, A., B.Sc. Lond.

*English*
Hart, E. F., M.A., Dip.Ed. Lond. Sr. Lectr.
Donaghy, J., M.A., Ed.B. Glas. Sr. Lectr.

Lecturers
Colmer, J. A., B.A. Oxon.
Ewen, D. R., M.A. Aberd.
Ruttley, E., B.A. Wales, B.A. Oxon.

*Geography*
Lebon, J. H., B.Sc., Ph.D. Lond. Prof.
Barbour, K. M., M.A. Oxon. Lectr.
Ibrahim, H., M.A. Birm. Lectr.
Osman, A. el S., B.Sc. St. And. Asst. Lectr.

*History*
Theobald, A. B., B.A., Dip.Ed. Lond. Dean and Reader.
Shebeika, M. E. T., B.A. Beirut, Ph.D. Lond. Reader.
Sanderson, G. N., M.A. Oxon. Sr. Lectr.
Wilcher, L. C., B.A. Adel., M.A., B.Litt. Oxon. Pt.-time Lectr.

*Law*
..... (Civil Law) Prof.
..... (Islamic Law) Prof.
Tennenbaum, E., B.C.L. Oxon. Sr. Lectr.
El Ghandour, A. A. W. (Sharia) Lectr.
Davies, W. E. D., LL.B. Wales Asst. Lectr.

Guttmann, E., LL.M. Lond. Asst. Lectr.
el Darir, Sh. S. M. el A. Sharia Tutor

*Mathematics*

Pedoe, D., B.Sc. Lond., M.A., Ph.D. Camb. Prof.
Higgins, A., B.Sc. Lond. Sr. Lectr.
Varnavides, P. L., Ph.D. Lond. Sr. Lectr.
Sidrak, S., B.Sc. Fuad I, Ph.D. Dub. Sr. Lectr.
Pike, F. K. C., B.Sc. Lond. Asst. Lectr.

*Physics*

Astbury, N. F., M.A. Camb. Prof.
Smith, M. G., M.A. Oxon. Sr. Lectr.
Ridler, P. F., B.E. N.Z. Lectr.
Wood, G. C., M.A. Oxon. Pt.-time Lectr.
Saville, D. P., M.Sc. Lond. Asst. Lectr.

*Zoology*

Sandon, H., M.A. Camb., Ph.D. Rutgers Dean and Prof.
Rzoska, J., Ph.D. Poznan Reader.
Girgis, S., B.Sc. Fuad I, M.Sc. Farouk I Sr. Lectr.
Thorriton, J. W. B., B.Sc. Leeds Lectr.

**Veterinary Science**

*Anatomy*

Lecturers
Mills, H. D.
van Lennet, E. W., Biol. Doct. Utrecht.

*Animal Husbandry*

Earnshaw, D. G., B.Sc. Edin. Lectr.
MacKenzie, P. Z. Lectr.

*Parasitology*

Abdel Malik, E. T., B.Sc. Fuad I, Ph.D. Mich. Lectr.

*Pathology and Bacteriology*

Garside, J. S., Ph.D. Edin. D.V.S.M. Manc. Dean and Prof.

*Surgery*

..... Lectr.

**Kitchener School of Medicine**

*Anatomy*

Harris, H. A., D.Sc., M.D. Lond., M.A. Camb. Prof.
Mann, V. C., M.B., Ch.B. Oxon. Lectr.

*Medicine*

Morgan, H. V., M.A., M.B., B.Chir. Camb. Prof.
O'Brien, W., M.D. Lond. Sr. Lectr.

*Obstetrics and Gynæcology*

Daly, G. L., B.A., M.B., B.Ch., B.A.O. Dub. Prof.

*Pathology*

Kirk, R., O.B.E., B.Sc., M.D., Ch.B. Glas., D.P.H. Edin., F.R.F.P.S. Glas. Prof.

*Physiology*

Smith, A., O.B.E., M.A., M.B., B.Chir. Camb. Prof. and Dean.
Adam, K. R., B.Sc., Ph.D. Edin. Lectr.

*Public Health*

Wheaton, F. L., M.B., B.S., D.P.H. Lond., D.T.M. & H. Actg. Prof.

*Surgery*

Hickey, B. B., D.M., M.Ch. Oxon., F.R.C.S. Prof.
Slade, P. R., M.B., Ch.B. Brist., F.R.C.S. Sr. Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar : J. R. O. Sturgis. Adviser to Women Students : ..... .
Staff Clerk : M. A. Khogali. Hd. Accountant : F. Hassoun. Hostel Wardens :

J. Donaghy, S. E. D. Fawzi, S. Girgis, A. Higgins, M. A. Nur, M. H. Ishag. Principal's Sec.: Miss A. Buchanan-Riddell. Sec., Medical Faculty: Alfred Diab.

## 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 or 5 credits, one of them being in English or Arabic. There are, in addition, certain minimum Fac. requirements.

COURSES. The Coll. has been admitted to a special relationship with the Univ. of London. Students who are matriculated proceed first to the inter. and then to the final examn., for an external B.A., B.Sc., B.Sc.Agric., LL.B. or B.Sc.Eng. degree of the Univ. Those who do not qualify for the degree courses may take a course leading to a Coll. dipl. The Med. and Vet. Schools have not yet instituted degree courses. Courses are: *Arts*—4 yrs. leading to London ext. Gen. B.A. or to Coll. Dipl. *Sci.*—4 yrs. leading to London ext. Gen. B.Sc. or to Coll. Dipl. *Agric.*—3 yrs. after Sci. inter. (5 yrs. in all) leading to London ext. B.Sc. (Agric.) or to Coll. Dipl. *Engin.*—4 yrs. after Sci. inter. (6 yrs. in all) leading to Coll. Dipl. or London ext. B.Sc. (Eng.). *Vet. Sci.*—4 yrs. after prelim. Sci. yr. (5 yrs. in all) leading to Coll. Dipl. *Admin. and Law*—(*a*) 1-yr. postgraduate course for students taking admin.; (*b*) 4 yrs. for students taking law leading to London ext. LL.B. or to Coll. Dipl. *Med.*—5 yrs. after prelim. sci. yr. (6 yrs. in all) leading to Dipl. of Kitchener Sch. of Med.

TERMS. 3 terms of 9 weeks each: July 18—Sept. 24; Oct. 10—Dec. 10; Jan. 9—March 11.

INCOME (1953–54). Govt. Grant-in-Aid, £320,000; Govt. Bursaries, £45,000; Income from Endowments, £30,000; Fees, House rents and miscellaneous, £5000; Total, £400,000.

FEES. Full fees are £75 p.a. for residents in the Sudan; £125 p.a. for those coming from elsewhere. There are many bursaries for Sudanese students.

RESIDENCE. There is hostel accomm. for all students and residence is normally obligatory.

The LANGUAGE OF INSTRUCTION is English, although the official lang. of the Students' Union is Arabic.

LIBRARY. Newbold Library: at present 34,000 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 1952

First Sudanese woman gained B.A. (General) degree. First B.Sc. (Agric.) degree awarded. New 650-acre farm surveyed and crops successfully grown on part of it. Introduction of B.Sc. (Engineering) course. Transfer of Veterinary Faculty to new premises near Faculty of Agriculture and College Farm. Hydrobiological Research unit created. Ionospheric and geomagnetic research during total solar eclipse, Feb. 1952.

NEW BUILDINGS. Completion of new Vet. Sch. and new hostel for Fac. of Agric.; 2 new hostels, lab. block for Anat. and Physiol. and new block for Fac. of Arts under construction. Large staff house-bldg. programme in progress.

NEW POSTS. Chairs in Arabic, Civil Law, Islamic Law. Lectureships added in Depts. of Econ.; Agric. Chem.; Agric.; Chem.; Civil Engin.; Mech. Engin.; Maths.; Phys.; Vet. Anat.; Med.; Surg.

EXTRA-MURAL WORK. The subject of study at Erkowit Camp, attended by 40 members, was "The State and the Citizen." The Winter Vacation Sch. discussed "Freedom in the Modern World."

VISITS BY STAFF FROM OTHER UNIVERSITIES. Prof. K. W. Bigelow, Col.; Prof. Milnes-Walker, Brist.; Prof. Esther Killick, Lond.; Prof. A. Brown, Ibadan; Prof. A. Smith, Ibadan; Prof. J. N. P. Davies, Makerere; Dr. A. W. Williams, Makerere; Prof. T. L. Hardy, Birmingham; Dr. R. W. B. Stephens, Lond.; Prof. R. L. Wain, Lond.; Prof. Sir Frank Engledow, Camb.; G. Masefield, Oxon.

STUDENT NUMBERS (at July 1952).

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | .. | 506 |
| Women | .. | 11 |
| Total | .. | 517 |

Postgraduate students, 3.

New admissions, 151.

Students from other countries, 4 (from Uganda, 1; Aden, 2; British Somaliland, 1).

DEGREES (Special relationship with the Univ. of Lond.). B.A. (General), 5; B.Sc. (General), 2; B.Sc. (Agric.), 1.

DIPLOMAS. Agric., 7; Arts, 19; Engin., 7; Med., 5; Sci., 6; Vet. Sci., 7.

# APPENDICES

I. QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN COMMONWEALTH UNIVERSITIES: (A) UNITED KINGDOM, (B) CANADA, (C) AUSTRALIA, (D) SOUTH AFRICA (p. 1491)

II. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE IN THE UNITED KINGDOM (p. 1566)

III. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE OVERSEAS (p. 1649)

IV. STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES (p. 1665)

V. COMMONWEALTH STUDIES IN UNITED KINGDOM UNIVERSITIES (p. 1668)

VI. UNIVERSITIES OF THE REPUBLIC OF IRELAND (p. 1670)

VII. ANGLO-AMERICAN ACADEMIC RELATIONS (p. 1698)

VIII. INTERNATIONAL UNIVERSITY ORGANIZATIONS (p. 1702)

IX. SHORT BIBLIOGRAPHY (p. 1706)

# APPENDIX I

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


(A) *United Kingdom* . . . p. 1491
(B) *Canada* . . . . . p. 1544
(C) *Australia* . . . . . p. 1550
(D) *South Africa* . . . . p. 1563


## (A) UNITED KINGDOM

[This statement relates only to the admission of students proposing to take full courses for a first degree. For conditions relating to recognition of study at other Universities and admission for higher degrees, v. pp. 13-24 and under the several Universities. Students desiring to study in a University without intending to graduate are generally admitted if they satisfy the Univ. authorities that they are qualified to profit by the course of study they propose to take, and if accommodation is available for them.]

### GENERAL OUTLINE

A comparison of the University regulations regarding admission discloses a general agreement in principle, with certain 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 Univ. of Cambridge Local Examns. Syndicate's Oversea Certificates) have affected not only the list of equivalent examns. accepted by Univs., but, in some cases, the holding of special entrance examns. by individual Univs. London no longer holds a Matricn. Examn. or a special Univ. entrance examn. (private candidates are, however, accepted for the General Certificate examns.

held by the Univ.). The Univ. of Wales has also ceased to hold its Matricn. Examn. On the other hand, the Univ. of Durham retains an entrance examn., and the Univ. of Nottingham a special entrance examn., to which in each case certain classes of candidates may enter by permission. At Oxford, regulations for Responsions (and exemption therefrom), and at Cambridge the regulations for the Previous Examn. (and exemption therefrom), have been revised.

SCHOOL EXAMINATIONS—ENGLAND AND WALES. The Ministry of Education in Circular 168 (April 1948) announced the acceptance of the main recommendations of the 1947 Report of the Secondary School Examinations Council. In principle the course of action which the Council unanimously recommended in their Report can be simply expressed. It recognized that the schools alone were in a position to decide what courses were best for their pupils, and that they needed the utmost freedom and flexibility to give effect to their judgements. At the same time it recognized the practical necessity of a system of external examns. to provide selective tests for those who wished to compete for scholarships at Univs. or other institutions, and a test of a qualifying nature for those who, having followed courses substantially beyond the statutory minimum leaving age, wished to establish competence in certain subjects, *e.g.* for entrance to a Univ. or profession. Apart from such necessary external tests, the testing of achievements in the schools would become a matter for the schools themselves.

Accordingly, in 1951 the examn. for the General Certificate of Education superseded the School and Higher School Certificate examns. Papers are provided at two levels: Ordinary and Advanced, with Scholarship papers available to serve a selective purpose. The standard of pass at the Ordinary level is approximately that of Credit in the School Certificate: a pass at the Advanced level approximates to a Higher School Certificate Principal pass. All subjects are optional and there are no minimum or group requirements. The examn. is open to all candidates, whether attending school or not, who are 16 by Sept. 1 in the year of examn., and a General Certificate of Education is issued to every candidate who reaches the pass standard in any subject at the Ordinary or Advanced level.

In April 1952, the Secondary School Examns. Council presented their second and unanimous Report to the Minister at the conclusion of a review of the new examn. in the light of the principles underlying their 1947 Report, and of experience of the examns. held in 1951. In this Report the Council reaffirmed the view that the standard of the Ordinary level pass should represent approximately that of the School Certificate Credit, and other views expressed in their 1947 Report. But, while they saw no reason to change the main structure of the examn., they were impressed by certain difficulties associated with the age limit. They were also aware of a demand for some mark of grading on the certificates, which they believed to be both possible and desirable at the Advanced level. In Circular 251 (April 1952) the Minister gave effect to both of the Council's recommendations. As a result, from 1953 onwards:

(i) the age limit will be retained, but the head of a school will have full discretion to enter pupils who are not 16 by Sept. 1, if he certifies that it is educationally desirable for them to take the examn. in the particular subjects offered at the time proposed, and that they have pursued a course of study with such a degree of competence as to make it very probable that they will pass in those subjects ;

(ii) a Distinction endorsement to a pass at Advanced level can be awarded to candidates whose performance merits it.

The examns. are conducted by the approved Examining Bodies,* over whom the Minister of Education exercises a co-ordinating authority with the help of the Secondary School Examns. Council, composed of representatives of Univs., local education authorities and teachers' associations, and members nominated by the Minister of Education, with a Chairman appointed by the Minister.

The new examn. for the General Certificate of Education has been accepted, subject to various qualifications, by all United Kingdom Univs. and a number of professional bodies for the purpose of exempting candidates from entrance and other examns., in the same way as were the School Certificate and Higher School Certificate examns. Transitional provision is generally made for the acceptance of a School Certificate Credit or Higher School Certificate pass in a subsidiary subject as equivalent to a pass at the Ordinary level in the General Certificate of Education, and of a Higher School Certificate pass at Principal level as equivalent to a pass at the Advanced level in the new examn.

A substantial degree of inter-availability of minimum entrance requirements to Univs. has been achieved consequent upon the individual Univs. deciding to frame their requirements in the light of the following resolution passed at a meeting of Univ. representatives convened in Nov. 1948 by the Committee of Vice-Chancellors and Principals :

" That in order to secure the maximum inter-availability in entrance requirements and in order to meet as far as possible the wishes of the schools, this meeting of representatives of Universities strongly recommends for the serious consideration of all Universities the adoption, for a period of five years, of the following scheme : (i) in order to satisfy minimum University entrance requirements, a candidate must pass in English Language and in either *four* or *five* 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

* *I.e.* Oxford and Cambridge Schools Examn. Board, Oxford Local Examns. Delegacy, Univ. of Cambridge Local Examns. Syndicate, Univ. of Bristol, Univ. of Durham, Univ. of London, Northern Univs. Joint Matriculation Board, Welsh Joint Education Committee (formerly Central Welsh Board).

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 was constituted to determine the requirements qualifying applicants to enter upon a course of study leading to a degree of a Scottish Univ. and to issue certificates attesting the educational fitness of applicants who have fulfilled these requirements.

Applicants should note, however, that the Board's certificate may not qualify them to study for a particular degree if they have not a sufficient knowledge of a subject or subjects required in one or other of the prescribed curricula for that degree. They are therefore advised to ascertain from the Univ. which they propose to enter whether they need to obtain passes in additional subjects or at higher standards. *See also* pp. 1534-1541.

The Board's Regulations are contained in a leaflet published in Feb. every year. These prescribe for the recognition, on certain conditions, of Certificates awarded by the Scottish Education Department, English School and Higher School Certificates, the English General Certificate of Education, certain certificates awarded by overseas Univs. and State Education Departments and, for those who do not qualify completely, or at all, by these certificates, provide a Preliminary Examn. twice annually, in March and Aug.

NORTHERN IRELAND. The Senior Certificate of the Ministry of Education of Northern Ireland is accepted, subject for subject, by the Queen's Univ. of Belfast in lieu of its Matriculation examn. subject to the following provisos: (*a*) that the whole examn. has been passed, and (*b*) that a minimum of three *Credits* has been obtained. For applicants from other parts of the United Kingdom and overseas countries Belfast accepts, subject for subject, certain other certificates.

In all cases subjects are accepted only if recognized for the particular Faculty to which admission is desired. *See also* pp. 1541-1543.

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 Baccalauréat, examns.), which would entitle to admission to an approved Univ. in the student's own country, together with such further evidence as may be necessary to ensure that no student shall be admitted to a course of study for a degree without a reasonable prospect of his being able to pursue it to graduation (in particular, if the student be one whose mother tongue is not English, evidence that he has a sufficient mastery of this language to enable him to follow courses of instruction conducted in English). When certificates are in a foreign language they should ordinarily be accompanied by a certified English translation. Unless the certificate shows on its face that it would admit the holder to a Univ. in his own country it should be accompanied by a letter to this effect from the Registrar of such a Univ. or by an authenticated declaration by a Government official or the local British Council Representative or by an official of an Embassy, Legation or Consulate of the country to which the applicant belongs, testifying that the certificate would entitle the holder to enter on a regular course of study in a Univ. in that country. Intending students should apply for information to the Registrar of the Univ. in which they desire to be matriculated. The regulations are summarized below under each Univ. or group of Univs.

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.

* Students from Colonial territories for whom on this ground a special quota of places is often set aside should apply through their local education service.

## SPECIFIC CONDITIONS

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. Univ. of Cambridge Local Examns. Syndicate.
5. Oxford Local Examns. Delegacy.
6. Univ. of Bristol.
7. Univ. of Durham.
8. Univ. of London.
9. Joint Matriculation Board of Manchester, Liverpool, Leeds, Sheffield and Birmingham.
10. Welsh Joint Education Committee.

11. Preliminary Examn. of the Scottish Univs. Entrance Board.
12. Senior Leaving Certificate Examn. of the Scottish Education Department.
13. Senior Certificate Examn. of the Ministry of Education, Northern Ireland.
14. Belfast Matriculation Examn.
15. Univ. of Cambridge Local Examns. Syndicate's Oversea Certificate Examns. : (*a*) School, (*b*) Higher School.
16. Army Special Certificate of Education Examn.

The Univs. also include certain examns. other than those enumerated above as qualifying for admission. These examns. and the conditions affecting them are referred to in the text below under each Univ. or group of Univs.

### JOINT MATRICULATION BOARD OF THE UNIVERSITIES OF MANCHESTER, LIVERPOOL, LEEDS, SHEFFIELD AND BIRMINGHAM

1. Before admission to a degree course in one of the five Univs. which constitute the Joint Matriculation Board a student must satisfy (*a*) the requirements of the Board which are concerned with general education and (*b*) any special Faculty requirements of the individual Univ. concerned (v. *infra*, pp. 1501-1505). 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. 1497-1499). II. A pass in the Board's examn. for candidates of mature years (p. 1499). III. A pass in the Board's examn. for candidates who have been engaged in industry or commerce (v. p. 1499). IV. One of the qualifications listed under section IV (v. pp. 1500-1501). V. Any qualification which satisfied the Board's requirements in force at the date the qualification was obtained.

### I. *General Certificate of Education*

3. The Board's Univ. entrance requirements will be satisfied by a G.C.E. issued by the Board (or by one of the examining bodies referred to in para. 4) which shows: **either** (*a*) A pass in six subjects which include (i) English Lang., (ii) a language other than English, (iii) **either** Maths. (para. 6) **or** an approved Science (para. 7), (iv) at least two subjects at the Advanced level; *Provided that* (1) The requirements under (*a*) may be fulfilled at more than one sitting. (2) The required subjects must be selected from the list given in para. 5, except that one, but only one, of certain " technical " subjects may be included as a subject at Ordinary level, whether passed at Ordinary or Advanced level. Details from the Secretary. (3) No subject may be counted both at the Ordinary and at the Advanced level. Or (*b*) A pass in five subjects which include (i) English Lang., (ii) a language other than English, (iii) **either** Maths. (para. 6) **or** an approved Science (para. 7), (iv) at least two subjects at the Advanced level passed at one and the same sitting together with at least one other of the five required subjects; *Provided that* (1) The required subjects must be selected from the list given in para. 5. (2) Of the minimum of three subjects required under (iv) to be passed at one and the same sitting one subject must not be " related to " the other two (para. 8). (3) No subject may be counted both at the Ordinary and at the Advanced level.

4. The General Certificate of Education of the following examining bodies will be accepted under the same conditions as the Board's General Certificate: Nos. 3-8, and 10 (v. *supra*, p. 1496). The requirements under para. 3 (*a*) and para. 3 (*b*) above may be fulfilled by a combination of certificates issued by more than one examining body.

5. The following subjects of the Board's General Certificate Examn. and the corresponding subjects in the examns. of any of the bodies referred to in para. 4, will be accepted for the purposes of para. 3: 1. General Paper; 2. English Lang.; 3. English Lit.; 4. History; 5. Ancient History and Lit. (may not be counted with History); 6. Geog.; 7. Economics; 8. Scripture Knowledge; 9. Art; 10. History and Appreciation of Art (may not be counted with Art); 11. Music; 12. Greek and Roman Lit. in Translation (may not be counted with Greek and/or Latin); 13. Greek; 14. Latin; 15. French; 16. German; 17. Spanish; 18. Italian; 19. Russian; 20. Welsh; 21. Specially approved langs.; 22. Maths.; 23. Maths. and Theoretical Mechanics (counts as two Advanced subjects but may not be counted with Maths.); 24. Physics; 25. Chem.; 26. Physics-with-Chem. (may not be counted

with any of the following : Physics, Chem., General Science) ; 27. Bot. ; 28. Zool. ; 29. Biol. (may not be counted with Bot. and/or Zool.) ; 30. Geol. ; 31. General Science I ; 32. General Science II (General Science I and/or II may not be counted with any of the following : Physics, Chem., Physics-with-Chem., Bot., Zool., Biol.) ; 33. Elementary Physiol. (may not be counted with Zool. or Biol.).

6. Either 22. Maths. or 23. Maths. and Theoretical Mechanics will satisfy the requirement of Maths. under para. 3 (*a*) (iii) and para. 3 (*b*) (iii).

7. Of the subjects listed in para. 5, Nos. 24 to 33 (both inclusive) are " approved Sciences " for the purposes of para. 3 (*a*) (iii) and para. 3 (*b*) (iii).

8. The condition that of the minimum of three subjects required under para. 3 (*b*) (iv) one must not be " related to " the other two subjects will be interpreted as follows, provided that certain combinations as indicated in para. 5 will not be counted : (*a*) the General Paper will not be regarded as related to any other subject in the list under para. 5 ; (*b*) subjects 2 to 12 will not be regarded as related to subjects 13 to 33 ; (*c*) subjects 13 to 21 will not be regarded as related to subjects 2 to 12 and 22 to 33 ; (*d*) subjects 22 to 33 will not be regarded as related to subjects 2 to 21.

9. The Board's Univ. entrance requirements will also be satisfied by a General Certificate of Education which satisfies the three following conditions : (*a*) it is awarded by one (or more) of the bodies referred to in para. 4 ; (*b*) it satisfies the general conditions of para. 3 ; (*c*) it is certified by the appropriate official as satisfying the Matriculation requirements of a Univ. in Gt. Britain or N. Ireland under that Univ.'s conditions for recognizing the General Certificate of Education.

10. The Board is prepared to consider the exercise of its discretionary powers as regards the acceptability or otherwise of any of its own General Certificates of Education which may not satisfy paras. 5, 6, 7 and 8 but may satisfy para. 9 (*b*) and (*c*).

11. Transitional Provisions. The institution in 1951 of the examn. for the General Certificate of Education and the consequent withdrawal of the School Certificate and Higher School Certificate Examns. will prevent some candidates who hold School Certificates and/or Higher School Certificates (or Letters of Success) from completing the Board's requirements as set out in the 1949–50 *Yearbook*, pp. 1192-1193. The following provisions are therefore made : (*a*) A *pass with Credit* in a subject of an approved School Certificate examn. or a *pass* in a Subsidiary subject (including " Subsidiary Standard ") of an approved Higher School Certificate examn. will be accepted in lieu of a *pass* in the corresponding subject at the Ordinary level in the General Certificate Examn. (*b*) A *pass* in a Principal subject of an approved Higher School Certificate examn. (or a *pass* in a subject of a London Univ. External Intermediate Examn.) will be accepted in lieu of a *pass* in the corresponding subject at the Advanced level in the General Certificate Examn. (*c*) A *pass* in a subject of any of the following examns. before May 1, 1951 (but *see* (x) and (xi) *below*), will be accepted in lieu of a *pass* in the corresponding subject at the Ordinary level in the

General Certificate Examn.: (i) Nos. 1, 2 and 14.* (ii) The Matriculation Examn. of the Univ. of London (a pass at a Lower Alternative standard is not acceptable). (iii) The Entrance Examn. of the Univ. of Durham. (iv) The Matriculation Examn. of the Univ. of Wales. (v) No. 11* (a pass at the Lower standard is not acceptable). (vi) The Matriculation Examn. of the Univ. of Dublin, Trinity College. (vii) The Matriculation Examn. of the National Univ. of Ireland. (viii) No. 13* (a pass in a subject at the Subsidiary standard is not acceptable). (ix) The Intermediate Certificate Examn., Department of Education, Republic of Ireland (only subjects passed at the Honours standard are acceptable). (x) The Forces Preliminary Examn. up to Nov. 1953 inclusive. (xi) The Passing-out Examn. of the Royal Naval College, Dartmouth, up to Oct. 31, 1955. (*d*) The Board's requirements will be satisfied in full if a candidate (1) holds a School Certificate showing (i) passes in each of Groups I, II, III as defined in *Regulations for the Award of School Certificates*, (ii) the *Credit* standard in at least one subject from those named in para. 5 and subsequently (2) passes in three Advanced subjects at one and the same sitting of the Examn. for the General Certificate of Education. If one of the Groups I, II or III is not represented on the School Certificate, a subject of the missing group must be passed at the *Credit* standard in the School Certificate Examn., or at the Subsidiary standard in the Higher School Certificate Examn., or at the Ordinary or at the Advanced standard in the Examn. for the G.C.E.

### II. *Examination for Candidates of Mature Years*

12. This examn. is for exceptional candidates who have been unable to qualify at the normal time but show promise of obtaining more than ordinary success in a Univ. course. The examn. may be taken only by candidates who desire to proceed to an approved course in one of the constituent Univs. Candidates must be not less than 23 years of age on May 1 of the year of examn. Only in exceptional circumstances will a candidate who fails in this examn. be permitted to make a second attempt. Details from the Secretary.

### III. *Examination for Candidates who have been engaged in Industry or Commerce*

13. Permission to enter for this examination is granted only to candidates who are not less than 19 years of age on March 31 of the year of examn. and desire to proceed to a degree course in one of the constituent Univs., having been engaged in full-time industrial, technical or commercial employment for a period of at least three years; candidates must also have attended systematic courses of instruction satisfactory to the Board for a period of at least three years and have gained at the end of the course a certif. or diploma deemed satisfactory by the Board. Details from the Secretary.

* V. *supra*, p. 1496.

IV. *Other Qualifications accepted by the Board*

14. A candidate will be regarded as satisfying the Board's requirements if he holds any one of the following: (*a*) A degree conferred by an approved Univ. after examn. (*b*) A certif. showing that the holder has attended for at least two years full-time courses approved by the Board and has passed the final examn. of a training college accepted by the Board for this purpose. (*c*) A certif. showing that the holder is a Barrister called to the English Bar or a Solicitor admitted on the Rolls after passing the Final Examn. of the Law Society (*Fac. of Law only*). (*d*) **Either** (i) No. 11,*† or No. 12,*† provided that the candidate passed at one sitting of one of these examns. in five subjects at the Higher Grade (a pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci. subjects), **or** (ii) by a pass at not more than two sittings of No. 11† or No. 12† (or a pass at one sitting of No. 11† together with a pass at one sitting of No. 12†) in four approved Higher Grade subjects and two approved Lower Grade subjects, and provided that the six subjects include passes in English Language, in a language other than English, and in Maths. (or an approved Science). (*e*) *Either* (i) No. 13,† provided that at one sitting before 1952 the candidate reached the *Credit* standard in English and in four other subjects, including at least one subject of each of Groups I, II and III of the Board's School Certificate Examn., *or* (ii) No. 13,† provided that at one sitting after 1951 the candidate passes in English Lang., English Lit., an approved lang. other than English, Maths. (or an approved Sci.) and two other approved subjects, at least two of the six required subjects being passed at the Advanced level. (Passes *with Credit* in subjects offered at the Subsidiary standard are not acceptable.) (*f*) The Leaving Certificate of the Department of Education, Republic of Ireland,‡ provided that the candidate passed with Hons. at one and the same examn. in five subjects approved by the Board. Alternatively: by a pass at one and the same sitting of one of the General Certificate Examns. Nos. 3-10 † in four approved subjects at the Ordinary level, together with a pass at Honours standard in two approved subjects at one and the same sitting of the Leaving Certificate Examn. of the Dept. of Education, Republic of Ireland, provided that the six required subjects show passes in English lang., an approved lang. other than English, and Maths. (or an approved Sci.). (*g*) No. 16.† (*h*) The Matriculation Certificate of an approved British Univ. overseas (under certain conditions). (*j*) A certificate of having passed at one and the same examn. the Intermediate Examn. in Arts, Science or Medicine of an approved Univ. in India or Pakistan. (Candidates from Pakistan

* 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. 1496.

‡ 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.

are required to apply to the Board through the High Commissioner for Pakistan, 35 Lowndes Square, London, S.W.1.) (*k*) *Either* the Matriculation Certificate of the Palestine Board of Higher Studies * *or*, under certain conditions, the Israeli Secondary School Leaving Certificate. (*l*) The Secondary Education Certificate, Part II, of the Egyptian Ministry of Education. On Certificates issued in and after June 1938 a pass in the Special Part must be shown. (*m*) The Baccalaureate Certificate of Iraq,† provided that the candidate is recommended by the Iraqi Ministry of Education. (*n*) A foreign examn. certificate which entitles the candidate to enter upon a degree course in all Faculties of a recognized Univ. of the country in which the certificate was issued if that country is not specified above.

15. The Board will exercise its discretionary power of accepting certificates of having passed other examns. of a standard at least equal to those mentioned above.

*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 should make application through the Embassy or Education Bureau of their government or through the British Council. Applicants from British Colonial territories must apply through the Education Department of the Colonial Office.

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 overseas students must be received before Jan. 1 in each year, and must be accompanied by detailed references certifying as to character and educational qualifications. All such students, before admission to courses of study in the Univ., shall satisfy the 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 assured of adequate financial support.

### *Special Regulations for Entrance to Faculties*

**Birmingham.** Minimum age for entrance to all Facs. of the Univ. is 17 yrs.

*Science.* Candidates for admission to an Hons. course in any Pure

* 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.

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 should normally have passed in three subjects at Advanced standard.

*Note:* Higher and School Certificate qualifications equivalent to the qualifications based on the General Certificate of Education will still be accepted by all Faculties.

**Leeds.** The minimum age for admission is 17 yrs.

Special entry requirements are 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. (This will usually be a pass at the Ordinary level in the G.C.E. examn.)

*Science and Technology.* Information concerning specified subjects in which qualificns. are required for entry to particular courses is obtainable from the Registrar.

*Medicine.* M.B., Ch.B.—Chem. at the Ordinary standard in the G.C.E. examn., or at the subsidiary standard in the Higher School Certif. 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., 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.** No person may register as a student who will not have attained the age of 17 yrs. on or before Dec. 31 in the yr. for which entry is sought.

*Arts.* Applicants for the Faculty of Arts must have passed in two subjects of the General Certificate of Education at the Advanced level, and in Greek or Latin or Maths., if not included in these two 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.

*Law.* The Faculty will not regard with favour any applicant who intends to become a Solicitor or a Barrister and who, at the date of entry into the Faculty, does not possess the qualification for exemption from the Preliminary Examn. of the Law Society or for admission as a student into one of the Inns of Court, as the case may be.

*Engineering.* Courses in the Faculty of Engineering are designed on the assumption that students have some previous knowledge of Maths., Physics and Chem. Candidates are recommended to present in the Examn. for the General Certificate of Education (*a*) Maths. at the Ordinary standard (Syllabus II); and (*b*) either Physics or Chem. (or, preferably, Physics and Chem.) at the Ordinary standard. In view of the small number of places in the first year of study, candidates are recommended to obtain qualifications which will exempt them from the first year of study and from the Intermediate B.Eng. Examn.

Exemption from the first year of study and Intermediate B.Eng. Examn. may be granted, under certain circumstances, to candidates

who have passed the Examn. for the General Certificate of Education* of the Joint Matriculation Bd. and whose performace 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.

*Veterinary Science.* The Faculty does not insist on any particular qualification beyond the fulfilment of the requirements of the Joint Matriculation Board to enter on a degree course. It recommends, however, that the subjects of Physics and Chemistry should have been studied up to the Ordinary level of the General Certificate of Education.

Exemptions are not granted in First-Year subjects passed at Principal standard by holders of a Higher School Certificate or at the Advanced level in the examn. for the General Certificate of Education.

**Manchester.** Minimum age limit for admission to the Univ. : 16 yrs. for men, 17 yrs. for women.

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 regln. if it applies to the Hons. course in either of the two subjects combined. The requirement of Latin may be waived for students entering by means of Mature Matriculation. 2. *Law*—Latin. 3. *Technology*—Maths. (*Note* : Where Maths. is specified as a Faculty requirement a pass at the Advanced level in "Maths. and Theoretical Mechanics" will be accepted.) The attainment of at least School Certificate Credit standard in the relevant subject will continue to be accepted until further notice.

**Sheffield.** No student under the age of 17 may be admitted to a degree or diploma course except with the special permission of the Senate.

*Arts.* With certain exceptions to be mentioned below, candidates who have not passed in a language in the recognized qualifying examn. for entry upon a degree course 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

* Or who hold a Cert. of the appropriate standard of any of the following bodies : (1) Oxford Local Examns. Delegacy. (2) Univ. of Cambridge Local Examns. Syndicate. (3) Oxford and Cambridge Schools Examn. Board. (4) Welsh Joint Educn. Cttee. (5) Univ. of Durham. (6) Univ. of London.

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 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.

*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. 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. 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 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 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 in the subjects of Chem. and Physics, and preferably also Biol. Exemption from the first examn. for degrees of M.B., Ch.B. or for degree of B.D.S. may be gained under conditions which should be ascertained by application to the Dean of the Faculty (or to the Director of Dental Studies in the case of B.D.S.).

*Note*: Higher and School Certificate qualifications equivalent to the qualifications based on the G.C.E. will still be accepted by all Faculties.

## BRISTOL

The minimum age for entry is 17 yrs. except for (*a*) Faculty of Arts—17 yrs. 9 mos., (*b*) exemption from Inter. exam. in Faculties of

* 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.

Science and Engineering—17 yrs. 9 mos., (*c*) exemption from first M.B., Ch.B., first B.D.S. or L.D.S., or first B.V.Sc. examns. in the Faculty of Medicine—17 yrs. 9 mos.

The Univ. holds no Matriculation or Entrance Examn. (except for candidates engaged in Industry or Commerce) but recognizes the examns. set forth below as qualifying for matriculation, provided that the following special Faculty requirements are fulfilled: For B.A.—candidates must have passed at Ordinary or Advanced level in Latin or Classical Greek * in the General Certificate of Education (or equivalent) or reached a recognized equivalent standard in Classical Arabic (in the case of nationals of Arabic-speaking countries). For B.A. (Econ.)—candidates must have passed at or above Ordinary level in either French or German and in either Maths. or a classical language. 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. 1493, final para.) that the Certificate shows **either** Scheme A (Six subjects)—A pass in (*a*) English Lang., (*b*) a language other than English, (*c*) either Maths. or an approved Science subject, and three other subjects chosen from the approved list of subjects; and provided two of the six subjects are passed at the Advanced level; **or** Scheme B (Five subjects)—A pass in (*a*) English Lang., (*b*) a language other than English, (*c*) either Maths. or an approved Science subject and two other subjects chosen from the approved list of subjects, provided that three of these subjects, including two at the Advanced level, are passed at one and the same sitting. These three subjects must not all be taken from the same group.

*Subjects approved for Matriculation.* Group I: 1. English Lang. 2. English Lit. 3. Ancient History or Ancient Civilization or Greek Civilization. 4. Mediæval and Modern History. 5. Geog. 6. Economics. 7. Music. 8. Art. 9. Religious Knowledge. 10. Greek. 11. Latin. 12. French. 13. German. 14. Any other approved language. Group II: 15. Maths. or Pure Maths. or Pure and Applied Maths. 16. Applied Maths. (May not be taken with Pure and Applied Maths.) 17. Physics. 18. Chem. 19. Physics-with-Chem. (May not be taken with either Physics or Chem.) 20. General Science or Additional General Science. 21. Bot. 22. Zool. 23. Biol. (May not be taken with either Bot. or Zool.) 24. Geol. 25. Geog.

No subject may count at both Ordinary and Advanced levels.

Either Maths. or Pure Maths. or Applied Maths. or Pure and Applied Maths. will satisfy the requirements of Maths. under regulations for Schemes A and B.

Subjects 17 to 25 inclusive are approved Science subjects for the purposes of Matriculation under Schemes A and B.

* Candidates entering the Special School of Econ. may substitute a pass at or above Ordinary level in Maths. for the Classical Lang.

† V. *supra*, p. 1496.

A pass in English Lit. at Ordinary or Advanced level does not meet the requirement of an Ordinary level pass in English Lang.

(*b*) Nos. 1 and 2.*

(*c*) The Attestation of Fitness of the Scottish Universities Entrance Bd. granted on passes in Nos. 11 or 12.*

(*d*) Nos. 13 and 14,* under certain conditions.

(*e*) No. 16.*

(*f*) Graduation in a Univ. in the U.K. or in some other approved Univ.

(*g*) First and/or Higher School Certificates provided they fulfil the regulations in force before the inception of the General Certificate of Education.

(*h*) Trained certificated teachers' qualifications, under certain conditions.

(*i*) Passing-out Examn. of the Royal Naval College, Dartmouth.

(*j*) Forces Preliminary Examn., subject to interview.

(*k*) Sufficient qualifications for original research in case of candidate for a research degree.

(*l*) In exceptional circumstances sufficient education and attainments in the case of candidates over 23 years of age.

(*m*) Barristers-at-Law and Solicitors of the Supreme Court.

(*n*) Examns. qualifying for matriculation in any Univ. of the U.K. or in a British Overseas Univ. (including India and Pakistan).

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 old 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. 111) and certain others, may be matriculated who has not passed or been exempted from the Previous Examn. There is no minimum age limit for admission to the University.

* V. *supra*, p. 1496.

For admission, application should be made on prescribed forms, to be obtained from the Tutor of the Coll., except at Clare and Selwyn Colls. at which they should be obtained from the Master, and at Girton and Newnham Colls., at which they should be obtained from the Secretary. It is advisable to apply more than 12 mos. beforehand. Candidates from overseas may be assisted by the Adviser to Overseas Candidates for Admission, 1A Rose Crescent, Cambridge.

The Previous Examn. comprises : I (*a*) Latin, (*b*) Greek, (*c*) French, (*d*) German, (*e*) Italian, (*f*) Spanish, (*g*) Russian ; II (*a*) General Science, (*b*) Maths., (*c*) Biol., (*d*) Physics and Chem. ; III (*a*) English Lang., (*b*) History, (*c*) Geog., (*d*) a combined paper on Religious Knowledge, English Lit. and Art and Music.

Candidates must pass in I (*a*) or (*b*) and a second language (or a combination of papers from two other languages) ; one subject of II ; III (*a*) and either (*b*) or (*c*) or (*d*). The three parts may be taken separately.

Natives of Asia or Africa, not being of European descent, may offer English Literature in lieu of one of the languages other than (*a*) or (*b*) in Part I, and Arabic, Chinese, Sanskrit, Persian or Pali, in lieu of I (*a*) or (*b*).

*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 at Ordinary level, provided that two approved subjects passed with credit at Ordinary level or passed at Advanced level in No. 13 * ; pass with Credit or "Very Good" in No. 15 (*a*) * ; pass as subsid. or principal subject in No. 15 (*b*).* Also pass in Matric. examns. of the Queen's University, Belfast, 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 Navy, Army and Air Force Entrance Examn. and the Dart-

* V. *supra*, p. 1496.

mouth Passing-out Examn. are also accepted, under certain conditions, for complete or partial exemption.

Exemption is granted to adult students who are recommended by the Board of Extra-Mural Studies as fit to undertake a course leading to an Hons. degree.

Exemption is granted to a graduate of any Univ. approved for the purpose by the Council of the Senate.

*Dominions (except India and Pakistan) and Europe.* A certificate qualifying for admission to an approved Univ. in a British Dominion (except India or Pakistan) or a European country may be accepted for complete or partial exemption.

*India and Pakistan.* A candidate who has attained the 1st class in the Inter. Examn. in Arts or Science, or the 1st or 2nd class in the examn. for the B.A. or B.Sc. in an approved Univ. of India or Pakistan is exempted from the Previous Examn., provided that in some examn. 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 Inter. 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.,

* For expansions of abbreviations *see* pp. xxxvi-xxxix.

Lampeter ; (2) in Canada—Acad., Alta., Bishop's Coll., Br. Col., Dal., Laval, McG., McM., Manit., Montr., Mt. All., New Br., Ott., Qu., 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, Alig., Alld., Bom., Calc., Dacca, Delhi, Luck., Madr., Mys., Osm., Panj., Patna ; (8) Rangoon ; (9) in U.S.A.—Amherst Coll., Bowdoin Coll., Bryn Mawr Coll., Calif., C.U.A., Chic., Col., Corn., Dartmouth Coll., Georgetown, Harv., Haverford Coll., Johns H., M.I.T., N.Y., N. Carolina, Ohio State U., Penn., Prin., Radcliffe Coll., St. Louis, Smith Coll., Stanford, Swarthmore Coll., Vassar Coll., Wellesley Coll., Williams Coll., Wis., Yale.

The following may also be admitted as *Affiliated Students* : (*a*) certain adult students recommended by the Board of Extra-Mural Studies ; (*b*) certain other students on a Grace proposed by the Council of the Senate. An Affiliated Student is entitled to (1) be exempt from the Previous Examn. ; (2) reckon the first term kept by residence as the 2nd, 3rd or 4th term for the purposes of certain provisions respecting the standing of candidates for (*a*) Tripos examns., or for degrees in Law or Music, and (*b*) degrees other than the ordinary B.A. degree or degrees of M.Sc., M.Litt. and Ph.D. ; (3) secure such a degree, in certain circumstances, on one part or section of a divided Tripos.

The status of Master of Arts may be granted to a member of the Univ. over 27 yrs. of age who is engaged in teaching or research, and carries M.A. privileges with regard to the Univ. Library, etc., academical dress and lodgings.

*Incorporation.* Admission by incorporation of graduates of Oxford and Dublin. *See* p. 109.

## 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. 1496) 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. B.A. with Honours in Town and Country Planning: Maths. 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 Ordinary level in the General Certificate of Education may be supplemented by Additional Maths. in the Entrance Examn.) B.Sc. in Metallurgy: Maths., Physics and Chem., of which one shall be at Advanced level. LL.B.: Latin at either Advanced or Ordinary level.

(2) Candidates for the B.A. in Fine Art may matriculate *either* (*a*) if they hold a general qualification to matriculate, and pass the Entrance Examn. of the Dept. of Fine Art or otherwise satisfy the Hd. of the Dept. that they are qualified to take the course; *or* (*b*) if they hold a General Certificate of Education with English and two subjects other than Fine Art passed at one and the same occasion, and pass the Entrance Examn. of the Dept. of Fine Art.

(3) Candidates for the L.D.S. may matriculate on a general 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) below, 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 Baccalaureate. Israel Secondary School Leaving Certificate.

## LONDON

Until further notice, the normal method of satisfying minimum entrance requirements will be through the General Certificate of Education awarded by one or more of the approved Examining Bodies.* The Certificate must comply with one or other of the two Schemes A and B.

* V. *supra*, p. 1496.

*Scheme A.* The candidate must have obtained passes (not necessarily on the same occasion) in (*a*) English Lang., (*b*) a lang. other than English, (*c*) either Maths. or an approved science subject, and three other subjects, provided that: (i) at least two of the subjects are passed at the Advanced level; (ii) the subjects are chosen from the approved list.

*Scheme B.* The candidate must have obtained passes in (*a*) English Lang., (*b*) a lang. other than English, (*c*) either Maths. or an approved science subject, and two other subjects, provided that: (i) at least three subjects are passed on the same occasion, of which at least two must be at the Advanced level; (ii) the subjects are chosen from the approved list.

The approved list of subjects is as follows: 1. English Lang. (O) *; 2. English Lit. (O, A); 3. Geog. (O, A); 4. History (O, A); 5. Ancient History (O, A); 6. English Economic History (O, A); 7. British Constitution (O, A); 8. Economics (O, A); 9. Logic (O); 10. Religious Knowledge (O, A); 11. Greek Lit. in Translation (O); 12. Latin (O, A); 13. Greek (O, A); 14. Classical Hebrew (O, A); 15. Modern Hebrew (O); 16. French (O, A); 17. German (O, A); 18. Spanish (O, A); 19. Italian (O, A); 20. Russian (O, A); 21. Any other approved language (O, A); 22. Pure Maths. (O, A); 23. Applied Maths. (O, A); 24. Maths. (Pure & Applied) (A); 25. Physics (O, A); 26. Chem. (O, A); 27. Physics-with-Chem. (O); 28. Geol. (O, A); 29. Geometrical & Mechanical Drawing (O); 30. Engineering Drawing (A); 31. Elementary Surveying (O); 32. General Science (O); 33. Additional General Science (O); 34. Bot. (O, A); 35. Zool. (A); 36. Biol. (O, A); 37. Rural Biol. (O); 38. Music (O, A); 39. Art (O, A); 40. Handicraft (O, A); 41. Domestic Subjects (O, A).

The approved science subjects for Scheme A and Scheme B will be as follows: Physics, Chem., Physics-with-Chem., Geol., General Science, Additional General Science, Bot., Zool., Biol., Rural Biol.

The selection of subjects under Scheme A or Scheme B will be subject to certain limitations.

No subject shall be counted at both Ordinary and Advanced levels. Not more than one of the subjects 39, 40 and 41 shall be counted at Advanced level.

Under Section (i) of Scheme B the three subjects passed at one and the same examn. must not all be chosen from any one of the following groups: subjects 4-7, subjects 11-21, subjects 22-32, subjects 35-38, subjects 39-41.

A General Certificate (or Certificates) of Education will be accepted for the purpose of satisfying min. entrance requirements if it fulfils the above conditions and provided that the Univ. is satisfied that there is a subject for subject equivalence with the subjects listed above.

The General Certificates of Education awarded by Durham, Joint Matriculation Board, Welsh Joint Education Committee, and Bristol, and accepted by the corresponding Univ. authorities as satisfying their minimum entrance requirements, will also be accepted by London.

* O = Ordinary level; A = Advanced level.

In addition, certain Faculty requirements may have to be satisfied before registration as an Internal or an External Student can be effected. At present these are as follows :

*Arts.* Applicants for admission must have passed in two langs. other than English at Ordinary or Advanced level ; one, at least, of the two langs. must be a Classical lang.

*Laws.* No specific Faculty requirements are laid down, but candidates for the LL.B. degree are advised to offer English History as one of their subjects.

*Music.* Applicants for admission must have passed at Ordinary or Advanced level in a modern foreign lang.

*Medicine.* Candidates proceeding to degree of M.B., B.S., B.D.S., B.Pharm. or B.Vet.Med. must have passed in Chemistry and Physics at Ordinary or Advanced level.

*Science and Engineering.* Applicants for admission must have passed in Maths. at Ordinary or Advanced level.

*Theology and Economics.* No additional Faculty requirements are laid down.

It should be noted that it is not possible for a student to matriculate unless, and until, he registers as an Internal Student or as an External Student. A matriculant must be over 17 yrs. of age. The procedure is that the holder of a General Certificate of Education submits it to the Univ. for decision as to whether or not it satisfies minimum entrance requirements. If it does, he is so informed and at the same time is told that he may apply for registration as an Internal or an External Student. It is only on the completion of such registration that he will be matriculated. The registration fee of three guineas (Internal) and five guineas (External) will be exacted at the time of registration as an Internal or External Student.

*Special Provisions*

(1) Credits obtained in 1949 or 1950 at a School Certificate examn., or Main Subject passes at a Higher School Certificate examn., will be accepted as passes at Ordinary level and Advanced level, respectively ; Higher School Certificate Subsidiary subject passes will count as Ordinary level passes, even if the candidate did not qualify for the award of a School or Higher School Certificate.

(2) Candidates who gained a School Certificate issued by one of the approved examining bodies, in or before 1950, and pass in three Advanced level subjects at one and the same examn. not later than 1954, will be deemed to have satisfied minimum entrance requirements.

(3) Candidates who hold a School Certificate and a Higher School Certificate awarded by an approved examining body, gained before April 30, 1951, will be deemed to have satisfied minimum entrance requirements.

(4) A candidate who was awarded a School Certificate or Higher School Certificate by one of the approved examining bodies may count Credits as Ordinary level passes, Subsidiary passes as Ordinary level passes, and Principal passes as Advanced level passes.

(5) A pass in a subject entered on a Certificate gained in one of the following examns. will be regarded as equivalent to a pass at Ordinary level in the corresponding subject at the General Certificate of Education Examn. :

Nos. 1, 2, 11, 12,* 13 and 14 (v. *supra*, p. 1496); *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, Republic of Ireland; Adelaide Leaving Certificate; Melbourne School Leaving Certificate; New South Wales Leaving Certificate; Queensland Senior Public Examination; Matriculation Examination of the University of Sydney; Tasmania Public Leaving Certificate; Western Australia School Leaving Certificate; University of New Zealand Entrance Examination; New Zealand Department of Education School Certificate; *Matriculation Examination of the South African Joint Matriculation Board; National Senior Certificate (Matriculation Equivalent) of the Union of South Africa; *Secondary School Senior Certificate of the Department of Public Education, Cape of Good Hope; *Transvaal Secondary School Certificate; *Orange Free State School Leaving Certificate; Ontario Upper School Certificate; British Columbia Senior Matriculation Examination; Senior Matriculation Examination of other Canadian Universities and Depts. of Education; *Ceylon Government Senior School Certificate (English) and General Certificate of Education (English medium); Matriculation Examination of the University of Hong Kong; *Cyprus Certificate Examination.

Candidates holding any of the above certificates may satisfy minimum entrance requirements by passing at the General Certificate of Education Examn. in additional subjects at Advanced level, together with such Ordinary level subjects as may be required to satisfy the conditions of the various Schemes.

(6) A candidate may satisfy minimum entrance requirements if he has attained the age of 20 and has passed in 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.

(7) 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.

(8) A candidate whose native language is not English, and who is

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

not a native of Great Britain, N. Ireland or the Republic of Ireland, may satisfy minimum entrance requirements (i) by presenting an acceptable Matriculation Certificate of a Commonwealth, or Foreign, Univ., and (ii) by passing in English at the Univ. Entrance Examn. and two subjects at Advanced level at the General Certificate of Education Examn.

Particulars of the Univ. Entrance Examn. in English and a copy of the syllabus may be obtained from the Secretary to the University Entrance and School Examinations Council, University of London, Senate House, London, W.C.1.

(9) A person who holds a full practising professional qualification obtained by examn. may apply to the Secretary to the University Entrance and School Examinations Council (address as above) for his qualification to be considered as satisfying minimum entrance requirements.

(10) Students who have passed all the examns. for a degree of Univs. approved by the Senate will be considered to have satisfied minimum entrance requirements. The following overseas Univs.* have been approved for this purpose: In Canada—Acad., Alta., Bishop's Coll., Br. Col., Car., Dal., King's, Laval, McG., McM., Manit., Montr., Mt. All., Ott., New Br., N.S.T.C., Qu., Sask., St. F.X., Sir G. Wms., Tor., Vict. (Tor.), W. Ont.; Australasia—Adel., Melb., N.S.W.U.T., Q'ld., Syd., Tas., W.Aust., N.Z.; S. Africa—Cape, Cape T., O.F.S., Pret., Potchef., Natal, Rhodes, S.A., Stell., Rand.; India—Agra, Alig., Alld., And., Annam., Ban., Bda., Bom., Calc., Delhi, Gauh., Gujar., J. & K., Karn., Luck., Madr., Mys., Nag., Osm., Patna, Panj(I.), Poona, Raj., Saug., Trav., Utkal, VB.; Pakistan—Dacca, Panj., Pesh., Sind; Ceylon; Hong Kong; Malaya; Malta; certain Univs. in countries outside the British Commonwealth.

NOTTINGHAM

A candidate shall be eligible to matriculate if he is at least 17 yrs. of age on Oct. 1 in yr. of candidature, and possesses one of the following: (*a*) a General Certificate of Education † awarded by Nos. 3-10 ‡ satisfying the requirements set out in final para. of p. 1493 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

* For expansion of abbreviations v. pp. xxxvi-xxxix.

† Candidates will continue to be eligible to matriculate in the Univ. if, before March 1, 1951, they have satisfied the Univ.'s entrance requirements based on School Leaving Certificate and Higher Certificate Examns. in force up to that date. For candidates who wish to claim partial exemption from the new matriculation requirements: 1. A pass with Credit in a subject of an approved School Certificate Examn. or a pass at Subsidiary standard or in a Subsidiary subject of an approved Higher School Certificate Examn. will be accepted in lieu of a pass in the corresponding subject at the Ordinary level in the General Certificate of Education. 2. A pass in a Principal subject of an approved Higher School Certificate Examn. will be accepted in lieu of a pass in a corresponding subject at Advanced level in the General Certificate of Education.

‡ V. *supra*, p. 1496.

Teachers' Training Course and has passed a final examn. of an Area Training Organization approved by Senate for this purpose. (*d*) A Certificate showing that the holder is a Barrister called to the English Bar, or a Solicitor admitted to the Roll after passing the final examn. of the Law Society. (Dept. of Law only.) (*e*) No. 12,* provided that the holder passed at one and the same examn. in five subjects at the Higher Standard and provided that Certificates gained after Dec. 1, 1947, show a pass in English Lang. together with a pass in at least one subject from each of Sections II, III and IV of Appendix A, *infra*. (A pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci subjects.) (*f*) No. 13,* provided that it entitles the holder to enter upon a degree course in a Faculty of the Queen's Univ. of Belfast. (*g*) The Leaving Certificate of the Dept. of Education, Republic of Ireland, provided that the holder passed with Hons. at one and the same examn. five subjects approved by the Univ., and that certificates gained after Dec. 1, 1947, 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 Baccalaureate Certificate of Iraq provided that the holder is recommended by the Iraqi Ministry of Education. A Certificate showing the passing of the Commerce Section is not acceptable if gained after Dec. 1, 1947. (*n*) An examn. certificate awarded in countries not mentioned in the above provisions, which entitles the holder to enter upon a degree course in a Faculty of a recognized Univ. of the country in which the certificate was issued.

The Senate will consider individually, for the purposes of matriculation, certificates obtained in other examns. of a standard at least equal to those mentioned above.

The Univ. requires from applicants whose native lang. is not English a properly attested certif. of proficiency in spoken English, and may require the applicant to pass an examn. held by the Univ. before admission.

### Appendix A

#### Section I

1. General Paper.

#### Section II

2. English Lang. (O † only). 3. English Lit. 4. Greek History *or* Roman History *or* Ancient History *or* English History *or* British

* V. *supra*, p. 1496. † O = Ordinary standard.

Economic and Social History *or* European History *or* the History of the British Empire *or* American History *or* History with Foreign Texts (counting as two Advanced subjects). 5. Geog. *or* Physical Geog. and Elem. Geol. (O only ; may not be counted with Geol.). 6. Economics *or* Economics and Political Science. 7. Religious Knowledge. 8. Greek and Roman Lit. in Translation (may not be taken with Latin and/or Greek) (O only). 9. The History and Appreciation of Art.

Section III

10. Latin. 11. Classical Greek *or* New Testament Greek *or* Modern Greek. 12. French. 13. German. 14. Spanish. 15. Italian. 16. Russian. 17. Welsh *or* Irish *or* Gaelic *or* Celtic. 18. Dutch. 19. Danish. 20. Any other approved lang.

Section IV

21. Maths. (may not be counted with Pure Maths. or Applied Maths. or Maths. and Theoretical Mechanics). 22. Pure Maths. (may not be counted with Maths.). 23. Applied Maths. (may not be counted with Maths.). 24. Maths. and Theoretical Mechanics (counts as two Advanced subjects and may not count with Mechanics or Maths. or Pure Maths. or Applied Maths.) (Advanced standard only). 25. Physics. 26. Chem. 27. Physics-with-Chem. (may not be counted with Physics or Chem. or General Science I and II) (O only). 28. Bot. 29. Zool. 30. Mechanics. 31. Biol. (may not be counted with Bot. and/or Zool., General Science I and/or II). 32. General Science I (O only). 33. General Science II (O only). (Nos. 32 and 33 may not be counted with any of the following : Physics, Bot., Zool., Chem., Physics-with-Chem., Biol., Hist. of Science.) 34. Geol. 35. Elementary Physiol. (O only). 36. Hist of Science (O only ; may not be counted with any of the following: Physics, Chem., Bot., Zool., Physics-with-Chem., Biol., General Science I and II).

Section V

*Note*: Not more than one subject may be offered from this section if only five subjects are offered ; not more than two if six subjects are offered.

37. Domestic Subjects (O only). 38. Handicraft (O only). 39. Geometrical and Machine Drawing (O only). 40. Music. 41. Art.

*Special Entrance Examn. for Mature Candidates*

Candidates unable to qualify for matriculation in the normal way but showing promise of being able to profit from a Univ. course may at the discretion of the Hd. of the Dept. concerned be admitted to a special examn. held at the Univ. in March or Sept. The examn. is open to candidates who are over 21 yrs. of age and consists of papers in (i) English, (ii) Maths., Logic, or an approved Science subject, (iii) 2 subjects chosen according to the proposed degree course.

*Faculty Admission Requirements*

Candidates must not only satisfy the general requirements of matriculation set out above, but for admission to certain courses must

satisfy also the following special requirements. These are set out in terms of the General Certificate of Education but the Univ. will recognize qualifications of equivalent standard obtained as a result of passing other recognized examns.

Candidates for admission to courses for which no specific requirements are laid down will normally be expected to have a preliminary knowledge (to Ordinary standard in the General Certificate of Education or its equivalent) of the subject or subjects of the degree course they propose to follow, except for such subjects as Theol., Law, Economics, Philosophy, Psychol. or Sociol. which are not usually taught in schools.

### Faculty of Arts

*Degree of B.A.* Candidates (other than those for entry to the School of Maths. and the School of Philosophy, Economics and Social Science) will be required to have passed at Advanced standard in two subjects within the purview of the Faculty. In addition, candidates for Honours in Classics, English, French, German and Spanish Studies will be required to have passed in Latin at least at Ordinary standard, and candidates for Honours in Mediæval and Modern History will be required to have passed in Latin or French or German at least at Ordinary standard. Candidates for admission to the School of Maths. will be required to have passed at Advanced standard in Maths. counting as two subjects 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.* Exemption from the qualifying Examn. may be granted to students who have passed a comparable examn. approved by Senate in subjects relevant to the degree of LL.B., but the degree will not normally be awarded until the student has completed three years of study in the Univ.

*Degree of B.Mus.* Candidates for admission will be required to have a reasonable knowledge of the theory of music, and proficiency in performance of an instrument approved by the Hd. of the Dept. of Music.

Direct admission to the Final Course may be permitted for those students who have passed the London Univ. Intermediate Examn. in subjects relevant to the degree of B.Mus., but the degree will not normally be awarded until the student has completed three years of study in the Univ.

### Faculty of Pure Science

*Degree of B.Sc.* Candidates may be exempted from the Intermediate Course and Examn. if they furnish evidence of having passed at Advanced standard in certain specified subjects in the General Certificate of Education (normally the subjects of the first-year final course). Further details from the Registrar.

*Degree of B.Pharm.* Candidates may be exempted from the Intermediate Course and Examn. and accepted for direct entry to the Final

B.Pharm. Course if they have passed at Advanced standard in Chem., Physics, and *either* Botany *or* Zoology *or* Biology.

### Faculty of Agriculture and Horticulture

*Degree of B.Sc.* Candidates may be exempted from the Intermediate Course and Examn. if they furnish evidence of having passed at Advanced standard *either* (i) in Chem., Bot., and *either* Zoology *or* Phys. *or* an approved Science subject, *or* (ii) in Chem., Biol. and one other approved Science subject, which shall not be Bot. or Zool., *or* (iii) with the approval of the Bd. of the Faculty, in *two* of the subjects named in (i) above.

### Faculty of Applied Science

*Degree of B.Sc.* Candidates (except for Metallurgy) may be exempted from the Intermediate Course and Examn. and accepted for direct entry into the Final Degree Courses if they have passed at Advanced standard in Pure Maths., Applied Maths. (or Pure-and-Applied Maths.) and Physics, except that candidates for Civil or Mechanical Engineering or Mining will be required to take a special course and examn. in Chem. at the end of their first yr., unless they have passed in Chem. also at Advanced standard.

Candidates for Metallurgy may be exempted if they have passed at Advanced standard in Maths., Physics and Chem.; candidates who have passed only in Physics and Chem. at Advanced standard may be exempted from the Intermediate Examn. in those subjects and from attendance for the Intermediate yr., but they will be required to take the course and examn. in Intermediate Pure Maths. during their first yr.

## OXFORD

Admission to the Univ. ("Matriculation") is without respect of sex, age, nationality or creed, and follows upon admission to a Society, *i.e.* a College or Hall or Society. No one can become a member of the Univ. unless he first becomes a member of one of these Societies. An application for admission must therefore be addressed, not to any officer of the Univ., but to the proper officer of the Society to which admission is desired, *e.g.* Balliol, Queen's and Magdalen—The Senior Tutor; Brasenose, New College, Jesus and University—The Tutor for Admissions; St. Catherine's Society—The Censor; in other cases —The Hd. of the Society. (*See* Colleges, etc., under Oxford Univ., pp. 435 to 452.) It should be made, if possible, more than one year before residence is contemplated.

Applicants for admission normally have to pass or be qualified for exemption from (*a*) Univ. entrance examn., (*b*) College entrance examn. The Univ. entrance examn. is *Responsions*. The Colleges and Halls and Societies require certain qualifications of character and intellectual attainment in which the passing of *Responsions* or some equivalent examn. is necessarily included.

*Responsions* comprises: I English Lang.; II (*a*) Latin, (*b*) Greek;

III (*a*) Holy Scripture, (*b*) English Lit., (*c*) English History, (*d*) French, (*e*) German, (*f*) Italian, (*g*) Spanish ; IV (*a*) Maths., (*b*) Natural Science. In order to pass Responsions, candidates are required to satisfy the Masters of the Schools in Group I, English Lang., and *either* in at least one subject from each of the Groups II, III and IV and in five subjects in all (including English Lang.), *or* in both subjects from Group II and in both subjects from Group IV. All candidates must satisfy the Masters of the Schools in two langs. other than English (of which Latin or Greek must be one), and must satisfy them *either* in all five subjects at one examn., *or* in four subjects at one examn. and in the fifth subject at a subsequent examn., *or* in three subjects at one examn. and in two subjects offered together at a subsequent examn.

Candidates must offer four or five subjects, or, if they have previously satisfied the Masters of the Schools in three or four subjects, they must offer the two subjects or single subject required to complete the examn.

*Examinations Exempting from Responsions*

*Great Britain and Ireland, etc.* A. Exemption from *Responsions* may be obtained by holders of the status of Bachelor of Arts or by persons accepted for admission as Service Students or Senior Students, or as candidates for the degree of B.C.L. under certain conditions, or as Advanced Students, or as candidates for the Degree of B.Litt. or of B.Phil. or of B.Sc., or who hold a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council, or as Students of Mature Years recommended by the Delegates for Extra-Mural Studies under certain conditions. Exemption may also be claimed by anyone who has pursued a course of study extending over 2 yrs. at a Univ. approved for Senior Status, provided that the applicant has passed all examns. incidental to his course at that Univ. and has submitted a certif. of satisfactory progress signed by a competent authority of that Univ. ; and provided further that the required course of study at an Asiatic Univ. has included the study of English and has been pursued subsequently to the Intermed. Examn. or to the corresponding stage at a Univ. which does not hold an Intermed. Examn.

B. Exemption may be granted to any person who has *either* : (i) obtained a General Certificate of Education awarded by Nos. 3, 4, 5, 6, 7, 8, 9 and 10 (v. *supra*, p. 1496) subject to passing at the Ordinary or Advanced level in English Lang., two of the langs., Latin, Greek, French, German, Italian, Spanish, Russian, Welsh, Afrikaans, of which Latin or Greek must be one, and two other approved subjects, one of which must be a mathematical or a scientific subject. Three of these required subjects, other than English Lang., must be passed at one and the same examn. ; *or* (ii) gained a class in the Senior Freshman Examn. of Dublin or a Certificate of Fitness granted by the Scottish Universities Entrance Board, or passed in the Intermediate Arts or higher examn. of Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Sheffield or one of the examns. numbered 2, 12, 13, 14, 15 (*a* & *b*), 16 * (v. *supra*, p. 1496), provided that he has passed *inter alia* in two of

* Latin or Greek must be added to this certificate at Responsions.

the above-mentioned languages, of which Latin or Greek must be one.

*Dominions and Colonies.* Exemption may be granted to any person who has obtained (1) a certificate of having passed *either* (*a*) the Matriculation Examn. of the Joint Board of the South African Univs., or (*b*) the Secondary School Certificate Examn. of the Education Dept. of the Transvaal or Secondary School Senior Certif. Examn. of the Dept. of Education of the Cape Province, or (*c*) the School Leaving Certif. Examn. of the Orange Free State if the holder is thereby qualified for exemption from the Matricn. Examn. of the Joint Matricn. Board of the South African Univs.; provided that it shows that he has passed in two languages, other than English, of which Latin or Greek must be one; *or*

(2) A certificate or certificates of having passed one of the following, provided he has satisfied the examiners in two of the said languages, of which Latin or Greek must be one: An examn. or examns. conducted by a Univ. or other public Educational Authority in Canada or New Zealand or Australia which satisfy the requirements for entrance to a Univ. in that country, such Univ. having been approved by the Hebdomadal Council for the purposes of Senior Status; Leaving Examn. of the Public Examns. Bd. of the Univ. of Adelaide; Leaving Certificate Examn. of the Bd. of Secondary School Studies of the New South Wales Dept. of Education; Matric. Examn. of the Univ. of Sydney; Leaving Certif. Examn. of the Public Examns. Bd. of the Univ. of W. Australia; Sr. Public Examn. of the Bd. of Post-Primary Studies and Examns. of the Univ. of Queensland; School Leaving Examn. of Univ. of Melbourne (Class B); Schools Bd. of Tasmania Certificate Examn.; Univ. of Malta Matriculation; Univ. of Hong Kong Matriculation Examn.; *or*

(3) A Ceylon Sr. School Certificate (English) with credits in *inter alia* two of the above-mentioned languages, of which Latin or Greek must be one.

[India and Pakistan—*See* A above.]

*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.

(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. 455.

## READING

The University holds no Matriculation Examination.

Matriculation, minimum age 17, is open to:

1. Graduates of Univs. in the United Kingdom or other approved Univs.

* The Hebdomadal Council will not approve any degree of an Indian Univ. under this clause unless the course of study leading to it has extended to 3 yrs. subsequently to the Intermed. Examn. In most cases a First Class is required either in B.A. Honours or B.Sc. Honours or M.A. or M.Sc.

2. Until further notice—

(*a*) Persons who have passed or are exempt from the Matriculation Examination of the Univ. of London.

(*b*) Persons who have qualified for the Certificate issued on the result of an approved First Examn. for Secondary Schools and who at one and the same Examn.* have obtained passes with credit in five subjects as follows: (i) English. (ii) Maths. *or* Latin *or* Greek. (iii) Three subjects not already offered under (i) and (ii) above, chosen from the following: (1) History, (2) Geog., (3) Art or Music, (4) Greek, (5) Latin, (6) French, (7) German, (8) one other modern foreign lang. approved by the Univ., (9) Maths., (10) Mechanics, (11) Physics, (12) Chem., (13) Physics-with-Chem., (14) Bot., (15) Zool., (16) Biol., (17) General Science, (18) Religious Knowledge, provided that (*a*) persons offering Maths. under (ii) include one of the subjects (4) to (8); (*b*) persons offering (13) may not offer (11) or (12); (*c*) persons offering (16) may not offer (14) or (15); (*d*) persons offering (17) may not offer (11), (12), (13), (14), (15) or (16).

Persons desiring to qualify for matriculation in virtue of subjects not included under (iii) should apply to the Registrar.

(*c*) Persons who have qualified for the two Certificates issued on the results of approved First and Second Examns. for Secondary Schools.

(*d*) Persons who have qualified for the Certificate issued on the result of an approved First Examn. for Secondary Schools and whose attainments as shown by the result of an approved Second Examn. for Secondary Schools satisfy the Senate.

(*e*) Persons whose attainments as shown by the results of other approved examns. satisfy the Senate.

(*f*) Persons who, being at least 23 years of age, have passed a special examn. for matriculation held by the Univ. for approved candidates of mature years. (Details from the Registrar.)

In exceptional circumstances, the Senate may exempt from examn., as a condition of matriculation, persons who are able to produce such evidence of previous education and attainments as the Senate shall deem sufficient.

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.

* Until further notice, four passes with credit at one examn. and one pass with credit obtained at another examn. may be accepted.

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. 1496) in English Lang. and in either four or five other approved subjects provided that (*a*) the subjects include a lang. other than English and either Maths. or an approved Sci. subject; (*b*) at least two of the subjects have been passed at Advanced standard; (*c*) candidates offering four subjects only in addition to English Lang. have passed at one and the same sitting in two subjects at the Advanced standard and in one other subject not related to the subjects offered at the Advanced standard.

The following subjects have been approved for the purpose of this Regulation by the Senate:

1. English Lang. (O *); 2. English Lit. (O, A); 3. History (O, A); 4. Ancient History (O, A); 5. Geog. (O, A); 6. Economics (O, A); 7. Logic (O); 8. Scripture Knowledge (O); 9. Art (O, A); 10. History and Appreciation of Art (O, A) (may not be counted with Art); 11. Music (O, A); 12. Greek (O, A); 13. Latin (O, A); 14. French (O, A); 15. German (O, A); 16. Spanish (O, A); 17. Italian (O, A); 18. Russian (O, A); 19. Other specially approved languages (O, A); 20. History with Foreign Texts (A only; counts as two subjects at A standard); 21. Maths. (O, A); 22. Applied Maths. (O, A) (may not be counted at Advanced standard unless Maths. has been taken at Ordinary or Advanced standard); 23. Physics (O, A); 24. Chem. (O, A); 25. Physics-with-Chem. (O, A) (may not be counted with Physics, Chem., or General Science); 26. Bot. (O, A); 27. Zool. (O, A); 28. Biol. (O, A) (may not be counted with Bot. or Zool.); 29. Geol. (O, A); 30. General Science (O) (may not be counted with Physics, Chem., Bot., Zool., Geol. or Biol.); 31. Physiol. (O) (may not be counted with Zool. or Biol.); 32. History of Science (O).

The following subjects have been approved by the Senate as alternative options to Maths. (*see* Clause (*a*) above): Physics, Chem., Physics-with-Chem., Bot., Zool., Biol., Geol., General Science, History of Science.

No subject may be counted at both the Ordinary and the Advanced standard.

For the purpose of Clause (*c*) above candidates who offer two subjects at Advanced standard chosen from subjects Nos. 2-20 must offer one subject chosen from Nos. 21-32; candidates who offer two subjects at

* O = Ordinary standard; A = Advanced standard.

Advanced standard chosen from Nos. 21-32 must offer one subject chosen from Nos. 2-20.

A candidate qualified for Matriculation on the General Certificate of Education will not ordinarily be admitted to the course of study for the degree of B.A. with Honours in Classics, Latin, Greek, English, French, Modern History, Latin and English Lit., Greek and English Lit., unless he has passed in Latin at Advanced standard in the General Certificate of Education (or in an examn. of equivalent standard approved for the purpose of this Regulation by the Senate), save that candidates who have passed in History with Foreign Texts at Advanced standard may be admitted to the course of study for the degree of B.A. with honours in Modern History.

4. (*a*) A candidate who has obtained either three or four credits in a School Certificate examn. shall be deemed to be qualified by examn. for Matriculation, provided that he obtains in the General Certificate of Education *either* passes at Advanced standard in two subjects *or* a pass at Advanced standard in one subject together with passes at Ordinary standard in two subjects, if the range of subjects in the two examns. conforms with the range of subjects in paragraph 2 (*b*) above.

(*b*) A candidate who has obtained five or more credits in a School Certificate examn. but whose range of subjects does not conform with the requirements in paragraph 2 (*b*) above, shall be deemed to be qualified by examn. for Matriculation, provided that in the General Certificate of Education he obtains passes at Ordinary or Advanced standard in the subject or subjects necessary to complete the required range of subjects.

5. Persons who hold a General Certificate of Education (v. *supra*, p. 1496) which is acceptable to any Matriculating Body in England or Wales.

## SOUTHAMPTON

Matriculation (minimum age 17) is open to persons having one of the following qualifications :

1. A degree of a United Kingdom University or other approved University.
2. A certificate qualifying for matriculation in any other Univ. of the United Kingdom.
3. The General Certificate of Education of an approved examining body (v. *supra*, p. 1496) showing passes in English Language and either four or five approved subjects, provided that the subjects include—
   - (i) A lang. other than English.
   - (ii) Maths. or one of the following subjects—Phys., Chem., Phys.-with-Chem., Bot., Zool., Biol., Geol., General Science.
   - (iii) At least two subjects at Advanced level.
   - (iv) Candidates offering *four* subjects only in addition to English Lang. must have passed at one and the same sitting in three subjects drawn from at least two of the following groups,

two of the three being at Advanced level: Group I—Humanistic subjects; Group II—Sciences.

4. In exceptional circumstances only, Senate may declare eligible for matriculation candidates who do not satisfy the above requirements but who can produce evidence of qualificn. in (i) English Lang., (ii) a humanistic subject and (iii) Maths. or an approved sci. subject.

   *Note*: The Ordinary National Certificate and Joint Section A examn. of Institutes of Civil, Mechanical and Electrical Engineers, and the 4th-yr. Upper Sch. examns. of the Royal Dockyard Schools, carry exemption from certain requirements of matriculation. (Details from the Academic Registrar.)

5. A Trained Teacher's Certificate showing distinction in at least one of the subjects prescribed in a recognized Certificate examn.
6. An attestation of fitness of the Scottish Universities Entrance Board.
7. Barristers-at-Law and Solicitors of the Supreme Court.
8. Students in the Univ. who have obtained the Cert. in Social Studies after not less than 2 yrs.' residence in the Univ. may, by special permission of the Senate, be considered to have matriculated in the Univ. at the beginning of their final yr. of study for the Cert.
9. In special cases evidence of sufficient education, capacity and attainments where the candidate is over 23 years of age.
10. OVERSEAS STUDENTS. Candidates educated outside the United Kingdom who can produce such evidence as Senate may consider sufficient of examns. passed equal to any of the above-named and of ability to follow instruction in English.

*Entrance Examination*

Candidates for Matriculation who do not come under the foregoing categories may, at the discretion of the Heads of Depts. concerned, take an Entrance Examn. conducted by the Univ. consisting of five subjects including English, a foreign lang., Maths. or an approved Science. All subjects must be passed at one and the same examn., special proficiency in at least two of the subjects being required.

*Faculty and Departmental Entrance Requirements*

In addition to matric. requirements, candidates for degrees must satisfy the following special requirements of both the particular Fac. and Dept. to which entry is sought.

*Arts.* Candidates for admission to any course leading to the B.A. must have 2 langs. other than English at Ordinary or Advanced level in the G.C.E. or equivalent examn.; one at least must be Latin or Greek * except in the case of the following B.A. General courses, when

* In the case of non-European candidates other langs., such as Classical Arabic, would be considered on special application.

2 mod. foreign langs. may be offered: * Econ.; Geog.; German; Hist.; Maths.; Music; Philos.; Theological Studies. French or Spanish with (*a*) Econ. and/or Geog. as 3-yr. subjects or (*b*) as a one-yr. course. French or Spanish otherwise requires an Ordinary level pass in a classical language.

B.A. Honours. Candidates for Hons. must normally satisfy the Fac. lang. requirement and also the following Departmental requirements of G.C.E. Advanced level passes or equivalent examn. in the subjects shown:

Hons. in English. English, a classical lang. and one other subject. Applicants who have obtained passes in Engl. and two other Advanced level subjects but who have not taken Latin or Greek at Advanced level may be admitted to the course on condition that they take Latin or Greek as an ancillary subject in the 1st yr. and pass the examn. in this subject.

Hons. in French. French, a classical lang. and one other subject. Applicants who have passed in Latin at Ordinary level only may be admitted to the Hons. course but they will normally be required to take Latin as a 1st-yr. course.

Hons. in Geography. Geog. and 2 other subjects and an Ordinary level pass in French.

Hons. in German. Ordinary level pass in Latin or Greek. In exceptional circumstances, exemption will be granted from this requirement on condition that a course in Greek (or Latin, if available) is taken during the 1st yr.

Hons. in History. Ordinary level pass in Latin. In special cases exemption will be granted from this requirement on condition that an appropriate qualificn. in Latin is obtained before graduation.

Hons. in Maths. Pure Maths.; Appl. Maths.

*Science.* Candidates for admission to any course leading to the B.Sc. must have passed the G.C.E. examn. or equivalent examn. in Maths. and in 2 science subjects. A pass at Advanced level is required in either the 2 science subjects or in Maths. and 1 science subject. Candidates for admission to a course leading to the B.Sc. Special must also comply with the Departmental entrance requirements of *three* G.C.E. Advanced level passes, or equivalent qualificn. including the Special subject (and 2 others) as follows:

Botany. Bot. (or Biol.), Chem. and 1 other science subject.

Chemistry. Chem., Phys., 1 other science subject. In special circumstances Appl. Maths. or other science subject may be accepted in place of Phys.

Geography. Geog. and any 2 science subjects, with normally a pass at Ordinary level in French.

Geology. Any 3 science subjects. No previous knowledge of Geol. is required.

Mathematics. Pure Maths.; Appl. Maths.

Physics. Phys., Maths. and 1 other science subject.

* Candidates who are granted Matric. under the Mature Age Regulns. and who do not fulfil these requirements must apply to the Fac. Bd. stating their qualificns. for the course that they wish to pursue. Their admission to such course is subject to the permission of the Bd.

Zoology. Zoology (or Biol.), Chem. and 1 other science subject.

In special circumstances, with the approval of the Dean and the Hd. of the relevant Dept., candidates who have passed at Advanced level in only 2 science subjects may be admitted to a course for which the regulns. require 3 passes at Advanced level.

*Engineering.* Advanced level Phys., Pure and Applied Maths. (or Pure Maths. and Applied Maths.), Ordinary level Chem. in the G.C.E. or equivalent examn. Maths. passed with distinction in the Ordinary National Certificate or a pass in the Maths. papers of the Univ. Industrial Scholarships Examn. is recognized as equivalent to G.C.E. Advanced level Maths.

*Economics.* There are no Faculty requirements, other than Matriculation, for entry to the first yr. of a degree course, at the end of which there is a qualifying examn. Exemption from the qualifying examn. and direct entry to the three-yr. final course may be obtained by a candidate in any subject in which he has passed the G.C.E. Advanced level, the Higher School Certificate Main standard, the Preliminary Economics Examn., or the Intermediate Examn. in Economics, Commerce, Arts or Science, of the Univ. of London.

*Law.* No special requirements.

*Transitional Provisions available until October 1955*

Candidates may claim partial exemption from the matric. requirements for the G.C.E. by virtue of performance in the School Cert. or Higher School Cert. Examn. as follows :

(*a*) A pass with Credit in a School Cert. Examn., or a pass at Subsidiary standard in a Higher School Cert. Examn., taken before March 1, 1951, will be accepted in lieu of a pass in the corresponding subject at the Ordinary level in the G.C.E.

(*b*) A pass at Principal standard in a Higher School Cert. Examn. taken before March 1, 1951, or a pass in a London Univ. Inter. Examn., will be accepted in lieu of a pass in the corresponding subject at Advanced level in the G.C.E.

Candidates will continue to be regarded as eligible to matriculate in the Univ. if they hold *either* :

(i) A School Cert. in which Credit standard was reached at one and the same sitting in five subjects including (*a*) English Lang., (*b*) Elementary Maths., (*c*) a foreign lang. ; *or*

(ii) A School Cert. with a Credit in at least one subject and a pass in each of the following groups : (*a*) English Lang., (*b*) English Lit., Hist., Geog., Scripture, (*c*) Langs. other than English, (*d*) Maths. and Science Subjects ; provided that such Cert. is combined with either a full Higher School Cert. or a Cert. showing passes in four Subsidiary subjects in a Higher School Cert. Examn.

## WALES

The Univ. of Wales no longer holds a Matriculation Examn. and admission is now mainly determined on candidates' performance at the examns. of the Welsh Joint Education Committee for the General Certificate of Education.

For candidates seeking exemption through the examns. of the Welsh Joint Education Committee for the General Certificate of Education, the approved subjects * are: 1. English Lang. (O †); 2. English (O, A); 3. Welsh Lang. (O); 4. Welsh (O, A); 5. Scripture (O, A); 6. History (O, A); 7. Greek and Roman History (O, A); 8. Greek (O, A); 9. Latin (O, A); 10. French (O, A); 11. German (O, A); 12. Any other lang. approved by the Univ. (O, A); 13. Economics (O, A); 14. Maths. (O); 15. Pure Maths. (A); 16. Applied Maths. (A); 17. Pure and Applied Maths. (A); 18. Mechanics (O); 19. Physics (O, A); 20. Chem. (O, A); 21. Bot. (O, A); 22. Zool. (A); 23. Biol. (O, A); 24. Geol. (O, A); 25. Practical Plane and Solid Geom. (O); 26. Geometrical and Machine Drawing (O); 27. General Science (O); 28. Agricultural Science (O); 29. Geog. (O, A); 30. Music (O, A); 31. Art (O, A); 32. Domestic Subjects (O).

Candidates may not count more than one of the subjects in each of the following groups: 1 and 3; 14, 15 and 17; 14, 16, 17; 18, 19; 21, 23; 22, 23; 25, 26; 27, 28. No candidate who counts 27 or 28 may count one of 18-24, and no candidate may count at Advanced level both 30 and 31. The same subject may not be counted at both Ordinary and Advanced levels.

In order to satisfy minimum entrance requirements, a candidate must pass in (i) English Lang. *or* Welsh Lang., and *either* four *or* five other subjects, at least two of which must be passed at the Advanced level; (ii) an additional language other than that selected under (i); (iii) Maths. *or* an approved Science subject. Candidates who have passed in only four subjects in addition to English Lang. or Welsh Lang. must have passed on one and the same occasion in three subjects, one of which is not related to the other two and two of which are at Advanced level. " Related " subjects are: (i) 8-12; (ii) 14-28.

The minimum age for matriculation is 17 years.

*Note*: The certificates of candidates desiring exemption must in general comply either with the conditions of exemption in force at the time of the award of the certificates or with the present examn. requirements.

For the purposes of a transitional period, a credit in a subject at an approved School Certificate examn., or a pass in a subject at Subsidiary subject level in an approved Higher School Certificate examn. will be regarded as equivalent to a pass in that subject at Ordinary level in an examn. for a General Certificate of Education, and a pass in any subject at the Principal subject level of an approved Higher School Certificate examn. will be regarded as equivalent to a pass in that subject at Advanced level in an examn. for a General Certificate of Education.

### *Exempting Examinations*

A graduate of an approved Univ. or Coll., or a Barrister-at-Law, or a Solicitor of the Supreme Court of Judicature in England and Wales,

* Subject Nos. 18-29 are approved Science subjects.
† O = Ordinary level; A = Advanced level.

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 * 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.*

*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 Univs. of Malta, Hong Kong or Ceylon, or the examns. for the French Baccalauréat, or the Iraqi Baccalaureate, together with a certificate of fitness from the Iraqi Ministry of Education, if certified in each case by a constituent Coll. of the Univ. of Wales to possess a sufficient knowledge of English.

The matriculation examns. of the Swiss Univs., the Royal Norwegian Ministry of Church and Education, the Palestine Board of Higher Studies, the Entrance examns. of the Univ. of Iceland; the Secondary Education Certificate examn., Part II, of the Egyptian Ministry of Education (with pass in Special Part); provided in each case that the candidate passes in the subjects required.

A pass with credit in a subject in the Ceylon Sr. School Certificate (English) examn. is recognized as equivalent to a pass at the Ordinary level in that subject at the General Certificate of Education examns., provided that the passes at the Ordinary level comply with the grouping requirements and are supplemented by two passes at the Advanced level in an examn. conducted by the Univ. of London (or any other approved examining body).

*Special Exemptions*

Candidates of 23 or more years of age, if specially recommended by one of the constituent Colls. as having reached a satisfactory standard of educn.

Candidates of 20 or more years of age, who have been either full-time pupils for at least two years at an approved Adult School or have been candidates for a Univ. diploma and for at least one year full-time students at a constituent Coll. or an Associated Theological Coll., are not required to satisfy the condition of passing in two subjects at the Advanced level, and may have passed in only four subjects in addition to English Lang. or Welsh Lang., of which one must be a lang. and one Maths. or an approved science subject, provided in each case that they are specially recommended by a constituent Coll. for admission.

Candidates who have passed the appropriate Ordinary National Certificate at a recognized teaching centre, after three years at least

* V. *supra*, p. 1496.

in industry, have passed in English Lang. at the General Certificate of Education examn., and are recommended for an approved degree course by a constituent Coll., and such recommendation has been approved by the Academic Board, may qualify for Matriculation.

*Faculty and Departmental Requirements*

**Aberystwyth U.C.** For Hons. in Hist. candidates must have at least a translation knowledge of Latin and French. For schemes of study containing Chem. a sufficient knowledge of Phys. is required, and for Admission to Final courses in Zool. an adequate knowledge of Chem. is required. For certain courses in Rural Science it is advisable to have a period of practical farm experience.

**Bangor U.C.** For Hons. in Greek, Latin, English, French, Hebrew or Hist. a pass at Ordinary level at least is required in Greek or Latin. For Hons. in Hist. a reading knowledge of Latin is required. Hons. in For. is restricted to those who have Maths., Chem., Phys., at Ordinary level, and passes at Advanced level in 2 or more of the following: Chem., Phys., Bot., Zool.

**Cardiff U.C.** For Latin, French or Maths. a pass at Advanced level or equivalent is required. For Hons. in Welsh a knowledge of Latin is required. For Hons. in Hist. usually a translation knowledge of Latin and French is required.

**Swansea U.C.** For Hons. in Hist. candidates must have an adequate reading knowledge of Latin, or French, or German, or Welsh. For Hons. in Phys. candidates should have Advanced level passes in Phys. and Maths. For Hons. in Chem. candidates should have Advanced level passes in Phys. and Chem. For degree courses in Engin. candidates should have advanced level passes in Maths. and Phys., and preferably also in Chem. For degree courses in Metallurgy candidates should preferably have Advanced level passes in Maths., Phys. and Chem.

## UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE

Candidates for admission must normally be not less than 17 yrs. of age on Oct. 1 of the yr. in which they desire to be admitted.

The following are eligible for admission: 1. Graduates of Univs. of the United Kingdom, or of such other Univs. as may be approved by the Senate.

2. Holders of approved Higher School Certifs., provided they also hold approved First School Certifs. under the arrangements which maintained until the introduction of the General Certificate of Education.

3. In exceptional cases, holders of approved School Certifs., provided that the certif. shows a pass with credits in five subjects taken at one and the same examn. Of these five, one must be English Lang., and the other four must be separate subjects. The meaning of " separate subject " is that the subject must not either wholly or in part be included in any other subject, *e.g.* General Science will not be allowed with Physics or Chem. In such cases, sp. importance will be attached to the interview and an addtnl. examn. may be required.

4. Students who satisfy the transitional requirements for 1951–55

as set out by Univ. Examining Bds., such as the Northern Universities Jt. Matriculation Bd.

5. Holders of academic certificates, or such other proof of academic attainment as may be accepted by the Senate as equivalent to 3 and 4.

6. Candidates who have been engaged in some Trade or Profession, provided that they (*a*) have been so engaged for a period of not less than 3 yrs. and during that time have attended systematic courses of study, *e.g.* Univ. tutorial classes. Sp. importance will be attached to the interview. Approved candidates will be allowed to take a sp. entrance examn. designed to test their capacity to benefit by the courses of study in the Coll.; (*b*) submit an applicn. to the Registrar not later than March 31 of the yr. in which they desire to be admitted; (*c*) have attained the age of 19 on Oct. 1 of the yr. in which they desire to be admitted; if required, pay an examn. fee of £2.

7. Holders of a General Certificate of Education (v. *supra*, p. 1496) approved as such by the Ministry of Education, according to the scheme approved by other Univs. and Univ. Colls., namely, the certif. must show EITHER:

*Scheme A.* (Six subjects.) A pass in (*a*) English Lang., (*b*) a lang. other than English, (*c*) *either* Maths. *or* an approved Science subject and three other subjects chosen from the approved list of subjects; and provided two of the six subjects are passed at the Advanced level; OR

*Scheme B.* (Five subjects.) A pass in (*a*) English Lang., (*b*) a lang. other than English, (*c*) *either* Maths. *or* an approved Science subject and two other subjects chosen from the approved list of subjects; provided that three of these subjects, including two at the Advanced level, are passed at one and the same sitting. These three subjects must *not* all be taken from the same group.

*Subjects Approved for Matriculation*

Group I. 1. English Lang. 2. English Lit. 3. Anc. Hist. *or* Anc. Civilization *or* Greek Civilization *or* Mediæval and Mod Hist. *or* Biblical Hist. and Lit. 4. Geog. 5. Econ. 6. Music *or* Art *or* Religious Knowledge *or* Domestic Science. 7. Greek. 8. Latin. 9. French. 10. German. 11. Any other approved Lang. 12. General paper.

Group II. *13. Maths. *or* Pure Maths. *or* Pure and Applied Maths. *14. Applied Maths. (May not be taken with Pure and Applied Maths.) 15. Physics. 16. Chemistry. 17. Physics-with-Chem. 18 (*a*), General

* Candidates submitting Northern Universities Jt. Matriculation Bd. certifs. in which maths. subjects are designated as follows: "Maths." and "Maths. and Theoretical Mechanics," may offer 13. Maths., 14. Maths. and Theoretical Mechanics (counts as two Advanced subjects but may not be counted with Maths.).

No subject may count at both Ordinary and Advanced levels. *Either* Maths. *or* Pure Maths. *or* Applied Maths. *or* Pure and Applied Maths. will satisfy the requirements of Maths. under regulations for Schemes A and B. Subjects 15 to 22 inclusive are approved Science subjects for the purposes of Matricn. under Schemes A and B.

Science I, and 18 (*b*), General Science II. General Science I *and/or* II may *not* be counted with any of the following : Physics, Chem., Physics-with-Chem., Bot., Zool., Biol. 19. Bot. 20. Zool. 21. Biol. (May *not* be taken with either Bot. or Zool.) 22. Geol.

8. No. 16.

9. Trained Certificated Teachers, provided they have passed with distinction in at least one of the general subjects prescribed in a recognized Certif. Exam.

10. Candidates who have satisfied the examiners in the Passing-out Examn. of the Royal Naval Coll., Dartmouth.

11. Candidates who have passed the Forces Prelim. Examn.

## SCOTTISH UNIVERSITIES

*Summary of Qualifications for Admission to Degree Courses in Scottish Universities*

No applicant for admission to a degree course in any Scottish Univ. may be accepted unless he holds the Certificate of Attestation, which is issued by the Scottish Univs. Entrance Board to those who have proved their educational fitness in one or other of the following ways :

(1) Applicants who have been admitted to an approved Degree (other than Honorary) of a British or recognized overseas Univ.

(2) Applicants who have obtained passes in the Scottish Leaving Certif. and/or in the Entrance Board's Prelim. Examn. in not more than two sessions of examn. in subjects taken from the following groups : I. English ; 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, 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.

* V. *supra*, p. 1496.

(Three passes, including at least two at Advanced level, must have been gained at one sitting.)

*Note* 1. Passes at Ordinary standard in the London Matricn. Examn., credits in English School Certificates taken at home or overseas centres, or passes on the Subsidiary standard in Higher School Certificates, will be treated as if they were passes at the Ordinary level, and passes at Main or Principal standard in such certificates and passes in the Inter. Arts or Inter. Science Examns. of the Univ. of London, as if they were passes at the Advanced level in the General Certificate of Education, if collectively they satisfy this rule.

*Note* 2. A Sr. Cert. of the Ministry of Education, N. Ireland—(*a*) issued in 1951 or earlier—will be accepted up to Jan. 31, 1956, if it contains five subjects recognized by the Board, including the three compulsory subjects of the above rule; and, if all the subjects have been taken at Main standard, if there are credits in three of them, including English and at least one from Group II or Group III; or, if the foreign lang. has been taken on the subsidiary standard, if there are credits in four subjects including a Group II subject and English. (*b*) Issued in 1952 or later—will be accepted if it contains passes in at least six subjects recognized by the Board, including English Lang.; English Lit.; a language other than English and a Mathematical or Scientific subject, on condition that three of the passes are at the Advanced level, one of them being either in a lang. other than English or in a Mathematical or Scientific subject, and that all six passes have been gained at not more than two separate sessions of examn.

(4) Passes at 50 per cent., or better, shown in a Certif. qualifying the applicant for entry on a degree course in Arts, Pure Sci. or Med. at a recognized Univ. of the Republic of Ireland, Canada, Australasia or of the Union of South Africa, if they are in subjects recognized by the Board, will count (1) as passes at Ordinary level if the holder completes his qualifications by means of the General Certif. of Educn. examn. (Clause 3 above), or (2) as passes on the Lower standard if he completes by the Entrance Board's Prelim. Examn. (Clause 2 above). Alternatively a certif. signed by the Registrar of a recognized Univ. in these countries stating that the applicant has completed satisfactorily the first two yrs. of a course leading to a Degree in Arts, Pure Sci. or Med., and has duly passed in all the subjects of his course up to that point, will qualify for the Certificate of Attestation.

(5) Evidence of the satisfactory completion of the second yr. of a course leading to a degree in Arts or Pure Sci. or of the pre-medical course, of a Univ. or Coll. in the U.S.A. (other than a Jr. Coll.) appearing in the current list published by the American National Cttee. of Regional Accrediting Agencies, will qualify for the Board's Certificate of Attestation if the applicant's academic record shows Grades averaging not below B, in such of the following subjects as have been included in the first two yrs. of his academic course: English, Foreign Langs., Maths. (Pure and Applied), Sci., Hist., Geog., Art and Music.

(6) A School Leaving, Matricn. or Univ. Entrance Certif. awarded in any one of the following countries and qualifying unconditionally

for entrance on a course leading to a Degree in Arts, Pure Science or Med. in a recognized Univ. of that country, is acceptable: (*a*) if it contains passes of "Satisfactory" (or higher) grade in six of the subjects detailed in para. 3 above, and these include (1) the language of the country issuing the Certificate; (2) a second recognized language; and (3) either Maths. or a recognized Science; and (*b*) if at least two of these passes (which must include English or a subject of Group II or Group III [taken in the written examn.]) are graded as "Very Satisfactory"; *and* (*c*) on condition that it is supplemented by (1) a London Univ., or Cambridge Senior, Certificate of Proficiency in English; or (2) a pass in Special English in the Entrance Board's Preliminary Examination; provided that exemption from this condition will be granted if the Grade "Very Satisfactory" has been awarded in English (written and oral). A Certif. that fails to satisfy clauses (*a*) and (*b*) of this Rule for want of a sixth subject, or in respect of the grade of pass required in one subject only, may be made good by a pass of the requisite standard in an appropriate subject obtained either (1) in a subsequent session of the original examn., or (2) in the Entrance Board's Preliminary Examn., in which the pass must be on the Higher standard; or (3) in the English General Certif. of Educn. Examn., in which the pass must be on the Advanced level.

The countries are: Norway, Sweden, Denmark, Iceland, Holland, Belgium, France, Luxembourg, Switzerland, Western Germany and Italy, and probably Spain, Portugal and Finland.

Full information as to the regulations for examns. and for exemptions can be obtained from the Secretary, Scottish Univs. Entrance Board, Westerlea, Kennedy Gardens, St. Andrews, Scotland.

*Special Regulations for Entrance to Classes*

**Aberdeen.** No minimum age limit for admission to the Univ.

It is desirable that students intending to read for the Ordinary M.A. should possess some knowledge of Latin before entering the Univ. In the case of Greek, Hebrew, Arabic, Syriac, Mathematics and Music, a student will be admitted to attendance on the classes qualifying for graduation if he has the subject of the class as one of the subjects either of his Group Leaving Certificate or of the University Preliminary Examination. Where a student desires to attend a course qualifying for graduation and does not satisfy the above condition, he must inform the Secretary to the University of Aberdeen not later than one week before the commencement of the class, and a written examination or other test will be provided to determine his fitness to attend the class.

**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 Inter. and Hons. Classes in French, Italian, Spanish.—A pass in Latin on at least the Lower standard in the Leaving Certif. (on the higher for Hons. English), or some equivalent evidence of proficiency.

Honours in English.—A reading knowledge of German (for those specializing in Language); or of French (for those specializing in Literature or Mediæval Studies).

Honours in Spanish.—A reading knowledge of French.

Sanskrit.—A knowledge of Sanskrit grammar (as in Macdonell's *Sanskrit Grammar for Students*) and ability to read simple texts.

Hebrew.—A knowledge of Hebrew grammar (as in Davidson's *Introductory Hebrew Grammar*), and ability to read simple prose, such as the Book of Ruth or the narratives of Genesis.

Arabic, Persian, Turkish.—A knowledge of grammar of the lang., and ability to read a simple text.

Music.—A pass in Music in the Leaving Certif., or some equivalent evidence of proficiency. A pass in a qualifying examn. held in 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 1st Ordinary classes a pass in Lower Maths. in the Leaving Certificate, or some equivalent evidence of proficiency.

Maths., Second Course; Hons. Maths. and Natural Philos.; Technical Maths.; Mathematical Physics and Natural Philos.—for students proceeding beyond the 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.

* 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.

*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.** No minimum age limit for admission to the Univ.

*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 equivalent: but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Head of the Department concerned and has passed in the subject of the class (for (*b*) in Maths.) on the Higher standard in the Spring Preliminary Examination of the same academic year, may make application to the Senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

(*c*) Intermediate Classes of Humanity, Greek, French, German, Italian, Spanish, Arabic; Higher Classes of English, Russian, 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.** There is no minimum age limit for admission to the Univ.

*Faculty of Arts.* Higher passes in the Scottish Leaving Certif. Examn. or Scottish Universities Entrance Board's Preliminary Examn. (passes at Advanced level in the General Certificate of Education are considered as equivalent) in Latin *or* Greek *or* Maths. and a language other than English, *or* German and another modern foreign lang.

*Faculty of Science.* Students proposing to take a graduating course must satisfy conditions for admission to certain classes which are an essential part of the degree course. *Normally* the classes of Natural Philosophy (Physics) and Chem. are compulsory. For entrance to the Nat. Phil. class a pass in Maths. on the Higher standard in the Scottish Leaving Certif. or equivalent is required (passes in the G.C.E. Examn. in Additional Maths. or in Maths. on the Alternative Ordinary syllabus are accepted as equivalent). For entrance to the Chem. class, a pass in Science (including Chem.) on the Higher standard in the Scottish Leaving Certif. is required; a pass in Chem. at Ordinary level in a G.C.E. examn. is not accepted as equivalent, but a student who is well qualified in other Sciences and has passed Chem. on the Ordinary level may be admitted to the Univ. and allowed to enter the Chem. class if he passes a class entrance examn. in Chem. during his first term at the Univ. A student who is well qualified in Maths. and Phys. may replace Chem. in his degree course by Applied Maths. and need not have the normal qualificn. in Chem.

## BELFAST

Students must be at least 17 yrs. of age by Oct. 15 of the yr. in which entry is sought.

The Matriculation Examn. comprises English, Mathematics and

3 of the following: (*a*) Greek, (*b*) Latin, (*c*) French, (*d*) German, (*e*) Italian, (*f*) Spanish, (*g*) Modern History, (*h*) Physics or Mechanics, (*j*) Geog., (*k*) Chem., (*l*) Bot., (*m*) for Faculties of Arts, Economics, Applied Science and Technology—Celtic, (*n*) for Science, Medicine, Agriculture or Applied Science and Technology—Mechanical Drawing; for Economics—(*o*) Elementary Economics, and (*p*) Accounting; for Faculty of Arts—(*q*) Music. For Arts or Medicine or Economics one language other than English must be taken; for Science and Agriculture—French or German; for Applied Science and Technology—one of the languages (*a*)-(*f*). Candidates for Faculty of Arts may, under certain conditions, take Latin or Greek instead of Maths. For the Faculty of Law, English, Latin and History are compulsory. For the Faculty of Applied Science, Physics is compulsory; for students of Chemical Technology and of Pharmaceutics, Chemistry is compulsory; for the Faculties of Science and of Agriculture, both Physics and Chem. are compulsory.

A candidate who has passed in at least three subjects, but failed to pass the examn. as a whole, is allowed to complete his matricn. at the next subsequent examn.

*Exempting Examinations*

Candidates who have passed any of the following examns. are admitted as matriculated students, provided that if they have not passed in all the subjects required by the Univ. for matriculation in the respective Faculties they shall be required to pass in the additional subjects at one and the same Matricn. Examn.

*Great Britain and Ireland*—A. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 (v. *supra*, p. 1496), 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. Commonwealth and foreign students 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 in Chem.

In addition, candidates for entry into the Faculty of Agriculture must satisfy the Faculty that they possess a sound knowledge of the practice 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.

## (B) CANADA *

[Contributed by Professor Léon Lortie, University of Montreal.]

The educational qualifications for admission to a first degree course in Canadian Univs. vary from one province to another and, in certain cases, from one Univ. to another within the same province. There are also differences in the subjects required for different courses in the same University. But if allowance is made for individual variations owing to differences in local conditions, language or orientation, there is a general pattern that applies to regulations governing the admission of students to a first degree course across Canada. Except in a very few cases, there is actually little difference in the amount of knowledge that is required for that purpose even if, at first sight, there should be some question as to how much can be learned in three or four years of secondary school. It may also appear that French-speaking institutions, mainly in the Province of Quebec but also in the Maritime Provinces and in Ontario, deviate widely from the general pattern but, as far as qualifications for a first degree are concerned, the present practice in the *collèges classiques* of Quebec makes it easier to bring them into line with other Canadian institutions. There is practically no difference when Science courses, both Pure and Applied, are considered, between Laval and Montreal Univs. on the one hand and any other Univ. in Canada.

In all Canadian Univs. a candidate for admission to the first yr. of a course leading to a first degree is required to have completed a course of secondary education and obtained a diploma or certificate, issued by the Dept. of Education of the province in which the Univ. is located. Since the Univs. in many provinces are state-controlled or state-supported, there is a normal articulation between the secondary school leaving examn. and the admission requirements of the Univs. Otherwise the candidate is required to write the Matriculation or Entrance examn. conducted by the Univ. From one province to another certificates of High School leaving examns. may be accepted in so far as they meet the admission requirements of each individual University.

The problem of admitting students from foreign countries, more especially the United States, is not an easy one. McGill Univ., which receives numerous applications of that kind, has recently joined the College Entrance Examinations Board, a U.S. organization set up to facilitate the work of evaluating the academic knowledge and aptitude of candidates. As a rule, Canadian Univs. accept no secondary school certificate from any province or country at its face value, because they know that such certificates may vary widely from one to another both in the nature and in the breadth of the subjects covered and also because their own Faculties have different requirements. In dealing with such certificates, there is a standard practice among Canadian Univs. which

* *See also* the Admissions paragraphs in the entries for the Canadian Universities above, *e.g.* for Acadia, *see* p. 666.

is well set out in the following extract from the 1952–53 Calendar of the University of British Columbia :

"A candidate who wishes to enter by certificate other than a Matriculation or University Entrance certificate issued in British Columbia should submit the original certificates to the Registrar. He should in no circumstances come to the University without having first obtained from the Registrar a statement of the value of the certificates he holds, as these may lack one or more essential subjects, or the work done in a subject may not be adequate, or, again, the percentage gained may not be sufficiently high. Moreover, it must be remembered that a certificate may admit to one Faculty and not to another. When an applicant's diploma or certificate does not show the marks obtained in the several subjects of the examination, he must arrange to have a statement of his marks sent to the Registrar by the Education department or University issuing such diploma or certificate."

This statement applies, *mutatis mutandis*, to all Canadian Univs. even if, like the following, they accept *pro tanto* certain certificates issued in Great Britain. McGill states that the General Certificate of Education, with passes at the Ordinary level in five subjects, will be the normal minimum standard of admission for candidates from England and Wales. At Queen's, a General Certificate of Education with passes in at least five subjects, of which two must be at the Advanced level, is recognized as equivalent to the Ontario Grade XIII certificate in the subjects in which at least 50 per cent. has been made in each paper. At Western Ontario, a General Certificate is accepted in lieu of Grade XIII work provided it shows standing in either five or six subjects, with at least two of these subjects at the Advanced level (English Lit., a lang. other than Engl., and either Maths. or an approved Sci. subject must be included).

Secondary education is not completed in the same number of yrs. in each Canadian province but, with a few exceptions, the contents of the secondary courses do not differ widely from one province to another. One must also note that graduation from a High School does not necessarily entitle a candidate to be admitted to a first degree course, unless a definite number of prescribed subjects have been taken by him in the secondary school examns. The number of such subjects is usually from five to seven (many including two papers) and the nature of these subjects varies from one course to another. English is always required (or French, in those institutions where that language is the medium of instruction), with usually another language (ancient or modern), History, Latin or Maths., a Science and one or more options from a rather generous list in most Univs.

It would be quite impossible to list all the various qualifications required by each Canadian Univ. and it would surely be misleading to summarize them. A survey is presently being made under the joint auspices of the Canadian Education Association and the National Conference of Canadian Universities, which will cover the whole field and it is expected that the report will be voluminous. The following table (v. pp. 1547-1549) attempts to present the general pattern that exists in each

province, but it should only be considered as a bird's-eye view of the present situation.

Such variations as may be apparent in this list may give the idea that there is a degree of confusion, but Canada is well known for her effort to achieve unity in diversity and the apparent lack of uniformity in entrance requirements does not hinder the quality of the academic work of Canadian Univs. Each of them is adapted to the needs of the local population from which it draws the great majority of its students and manages to bring the latter from apparently different levels of previous schooling to a degree of higher learning that is practically comparable across the country.

*Notes on Terms used in the Table*

*Grade XI.* Canadian children are usually about 6 yrs. old when they first go to school. The term " Grade XI " in the table indicates that the student has been attending school for eleven yrs. Similarly " Grade XII " indicates twelve yrs.' school attendance. The average age of students entering University is 17 or 18 yrs. but exceptional students and a few of those who have attended special preparatory schools may be a yr. younger.

*Junior Matriculation.* The educational minimum acceptable for admission to most Canadian Universities is Junior Matriculation, which is also called Pass Matriculation, Middle School or Secondary School Graduation, and usually corresponds to the termination of Grade XI (except in Ontario and British Columbia where Grade XII is required for a similar certificate). Saskatchewan and Alberta have no Junior Matriculation.

*Senior Matriculation.* In each province, a twelfth (or thirteenth in Ontario and British Columbia) yr. is available which leads to the level of Senior Matriculation. Except in Ontario, where Toronto, Queen's and Western Ontario demand this higher certificate for entrance to all or to certain Faculties, this extra yr. practically corresponds to the first yr. of a Canadian Univ. course and, wherever accepted, reduces by one yr. the duration of the University course, save in British Columbia where partial credit only is granted.

*

## TABLE

| *Province* | *Institution* | *Grade* | *Diploma or Certificate* |
|---|---|---|---|
| Newfoundland | Memorial Univ. | XI | Matric. certif. of Council of Higher Education. Average of not less than 55% in 6 subjects. |
| Prince Edward Island | Prince of Wales Coll. | XII | |
| | St. Dunstan's Coll. | XI | |
| Nova Scotia | Acadia Univ. | XI | Jr. Matric. of Nova Scotia, pattern varying slightly according to proposed curriculum. |
| | Dalhousie Univ. and Univ. of King's Coll. | XI | Jr. Matric. of N.S. 7 subjects. |
| | St. Francis Xavier Univ. | | Univ. Matric. based on Grade XI, Nova Scotia or Common Examining Bd. of Maritime Provinces and Newfoundland. |
| | Ste. Anne Coll. | XI | Common Examining Bd. of Maritime Provinces and Newfoundland admits to preliminary year. |
| New Brunswick | Univ. of New Brunswick | XI | Jr. Matric. of New Brunswick. |
| | Mount Allison Univ. | XI | Jr. Matric. of New Brunswick. |
| | St. Joseph's Univ. | XI | Jr. Matric. of New Brunswick. |
| Quebec | Univ. of Bishop's Coll. | XI | Bishop's Matric. examn. in 6 subjects. |
| | Laval Univ. Collèges classiques | | Immatriculation classique, at end of class of Versification (corresponding to Grade XI) in 6 subjects: French, English, Latin (2), Greek, Maths. |
| | Science and Engin. | XII | Certificat d'Études primaires supérieures du Conseil de l'Instruction publique and Entrance Examn. |

| *Province* | *Institution* | *Grade* | *Diploma or Certificate* |
|---|---|---|---|
| Quebec (*contd.*) | McGill Univ. | XI | McGill Jr. Matric. in 7 subjects. |
| | | XII | McGill Sr. Matric. in appropriate subjects admits to 1st yr. Engin. or 2nd yr. Arts, Science, Commerce or Fine Arts. |
| | Sir George Williams Coll. | XI | Graduation from High School with at least 60% in not fewer than 10 papers. |
| | Univ. of Montreal Collèges classiques | | Immatriculation classique as at Laval, except that Maths. may be substituted for Greek and that Grade XII students may write the Immatriculation examn. and proceed to B.A. |
| | Science and Engin. | XII | Same as at Laval. |
| Ontario | Carleton Coll. | XII | Ontario Secondary School Graduation Dipl. in 4 options (Jr. Matric.). Credits given for Grade XIII. |
| | McMaster Univ. | XIII | Ontario Secondary School Honours Graduation Dipl. (Sr. Matric.). Grade XII admits to Prelim. yr. |
| | Ontario Agricultural Coll. | | Practically identical with Toronto. |
| | Ottawa Univ. | XII | Ontario Middle School Examn. in 6 subjects ; course is bilingual. |
| | Queen's Univ. | XIII | Ontario Secondary School Graduation Dipl. in 4 options *and* Grade XIII in English, Latin or Maths. and 2 or 3 other subjects, varying according to student's ultimate objective. |

| *Province* | *Institution* | *Grade* | *Diploma or Certificate* |
|---|---|---|---|
| Ontario (*contd.*) | Univ. of Toronto | XIII | Grade XII, Ontario Secondary School Graduation Dipl. without definitely prescribed subjects in 4 options *and* Grade XIII, with 5 prescribed subjects according to course chosen by student. |
| | Univ. of Western Ontario | XII | Admits to 1st yr. of affiliated Colls. and Nursing, Home Economics, Music and Theol. |
| | | XIII | Ontario Secondary School Graduation Dipl. in 4 options and Ontario Secondary School Honours Graduation Diploma in 4 subjects. |
| Manitoba | Univ. of Manitoba | XI | Jr. Matric. in 7 subjects, admits to 1st yr. Arts or Commerce. |
| | | XII | Sr. Matric. admits to 1st yr. Science or Engin. or 2nd yr. Arts or Commerce. |
| Saskatchewan | Univ. of Saskatchewan | XII | Certif. of Province of Saskatchewan's Dept. of Education or Univ. of Sask. Matric. in 6 subjects. |
| Alberta | Univ. of Alberta | XII | Sr. Matric. of the High Schools of Alberta, which should include English, Social Studies, Algebra, Geom., Trigonometry, Physics, Chem. and a foreign language, but other credits may be substituted to meet the demands of specific Schools or Facs. |
| British Columbia | Univ. of British Columbia | XII | B.C. Univ. Entrance Examn. (Jr. Matric.) or the equivalent admits to 1st yr. |
| | | XIII | Sr. Matric. allows for credits in 1st yr. only. |

## (C) AUSTRALIA

[The statement which follows relates only to the admission of students proposing to take full courses leading to a first degree. For information regarding admission to courses leading to higher degrees, *see* the entries for the several Universities.]

### GENERAL NOTE

The primary and secondary educational systems of the Australian States are the responsibility of the various state govts. Consequently they differ in many respects. However, they are all alike in that they prepare students to the standard necessary for matric. at the Univ. or Univs. established in their home state. In all cases there is some liaison between the state educational system and the Univs. in that state to ensure that candidates coming forward to the Univs. will be able to comply with the matric. requirements.

There is no provision for jt. matric. in Australia, each Univ. controlling its own admission requirements. Thus the Univs. of Adelaide, Melbourne, Queensland, Sydney, Tasmania and Western Australia and the New South Wales University of Technology have individual matric. requirements which are specified below.

The New England Univ. Coll. is a coll. of the Univ. of Sydney and requirements for matric. are those of the Univ. of Sydney.

The Canberra Univ. Coll. by arrangement with the Univ. of Melbourne conducts courses leading to degrees in that Univ. and consequently its admission requirements are those of the Univ. of Melbourne.

The Australian National Univ. was established primarily for post-grad. research and study and does not conduct courses leading to a first degree. The minimum academic requirement for admission to the Univ. is a Master's Degree (or its equivalent) from an Australian or other recognized Univ.

The admission requirements of the Australian Univs. have the same purpose, being designed to ascertain whether candidates are educationally fitted to undertake courses leading to a first degree. This may be done either at an examn. conducted by the Univ. or alternatively at an examn. conducted by the State Educn. Dept. In some cases passes are required in special subjects for entrance to the different Facs., in addition to the requirements for matric.

Although the requirements for entrance to the various Univs. are not uniform, all possible reciprocity is exercised in the interchange of students, whether from Australian or British Univs. In general the Univs. will admit to matric. *ad eundem statum* a student who has matriculated or qualified to matriculate at another Univ. of recognized standing, but in some cases the passing of special subjects at matric. standard, or of compulsory "prerequisite" subjects for particular courses, may be required.

Special facilities are offered for matric. in some Univs. to persons of mature age who have not had the opportunity of qualifying in the ordinary way and who pass certain special entrance tests.

### Public Examinations in Australia

The following is a list of the public examns. in each state recognized by the Univs. for matric. purposes, except as indicated by an asterisk. The examns. are fully recognized only by the Univ. conducting them, though, as mentioned above, qualification for matric. by a student at the Univ. of his home state is generally recognized, in so far as standard is concerned, by the other Australian Univs.

| *State* | *Examination* | *Secondary School Year in which Examination normally taken* | *Conducting Body* |
|---|---|---|---|
| New South Wales and Australian Capital Territory | *Inter. Certif. E. | 3rd yr. | N.S.W. Dept of Ed. |
| | Leaving Certif. E. | 5th yr. | N.S.W. Dept of Ed. |
| | Matric. E. | 5th yr. | Univ. of Syd. |
| | Qualifying Deferred E. | | N.S.W.U.T. |
| Queensland | *Jr. Public E. | 2nd yr. | Univ. of Q'ld. |
| | Sr. Public E. | 4th yr. | Univ. of Q'ld. |
| | Matric. E. | | Univ. of Q'ld. |
| South Australia | *Inter. E. | 3rd yr. | Univ. of Adel. |
| | Leaving E. | 4th yr. | Univ. of Adel. |
| | *Leaving Hons. E. | 5th yr. | Univ. of Adel. |
| Tasmania | Schools Bd. Certif. E. | 4th yr. | Schools Bd. of Tas. |
| | Matric. E. | 5th yr. | Univ. of Tas. |
| Victoria | *Inter. E. | 4th yr. | Univ. of Melb. |
| | School Leaving E. (prerequisite only) | 5th yr. | Univ. of Melb. |
| | Matric. E. | 6th yr. | Univ. of Melb. |
| Western Australia | Jr. E. | 3rd yr. | Univ. of W. Aust. |
| | Leaving E. | 5th yr. | Univ. of W. Aust. |
| | Matric. E. | 5th yr. | Univ. of W. Aust. |

In each state the average age of entrance upon Univ. study is 17 plus.

Examns. are also conducted in Music in each state under the general auspices of the Australian Music Examns. Bd.

# SPECIFIC CONDITIONS

## ADELAIDE

The minimum age for matric. is 16 yrs.

*South Australian Candidates*

In general the requirements for matric. in the Univ. of Adelaide are 5 subjects at the Leaving Examn. held annually in Nov.-Dec. with certain subjects specified for the various Facs. as follows :—

*Arts.* 5 subjects, including Engl. and either Latin or Greek, at the Leaving Examn. ; and if Maths. I is not also included, Maths. (2 subjects) must have been passed at the Inter. Examn.

*Economics.* 5 subjects, including Engl. and either a lang. other than English or Maths. I or Maths. II, at the Leaving Examn. ; provided that (*a*) if a lang. other than Engl. be not included in the Leaving subjects such a lang. must have been passed at the Inter. Examn. ; and (*b*) if Maths. I or Maths. II be not included in the Leaving subjects, Maths. (2 subjects) must have been passed at the Inter. Examn.

*Science and Agricultural Science.* 5 subjects, including Maths. I at the Leaving Examn. ; and if Engl. and 1 other lang. are not also included, these subjects must have been passed at the Inter. Examn. Further, a candidate who intends to include Pure Maths. I in his course for the degree of B.Sc. must pass in Maths. II and in a special examn. in Maths.

*Engineering.* 5 subjects, including Engl. and Maths. Parts I and II, at the Leaving Examn. ; and if a lang. other than Engl. be not included in the Leaving subjects, such a lang. must have been passed at the Inter. Examn. Further, every candidate must pass in a special examn. in Maths.

*Law.* 5 subjects, including Engl. and Latin, at the Leaving Examn.

*Medicine.* 5 subjects, including Engl. and a lang. other than Engl., at the Leaving Examn. ; if Maths. I be not passed at the Leaving Examn., Maths. (2 subjects) must have been passed at the Inter. Examn. ; and if Phys. be not passed at the Leaving Examn. it must have been passed at the Inter. Examn.

*Dentistry.* 5 subjects at the Leaving Examn., including Phys. and a lang. other than Engl. ; if Engl. be not included in the Leaving subjects it must have been passed at the Inter. Examn. ; and if Maths. I be not included in the Leaving subjects, Maths. (2 subjects) must have been passed at the Inter. Examn.

*Music.* A candidate is required (*a*) to hold the Leaving Certif., or to have passed in 4 subjects at the Leaving Examn., including Engl., a lang. other than Engl., and either Ancient Hist. or Mod. Hist. ; and (*b*) either to have passed in the Theory of Music at the 7th Grade of the Public Examns. in Music, or to satisfy the Dean of the Fac. of Music in a special Entrance Examn. in the Theory of Music of equivalent standard.

*Candidates from Other Australian States*

Matric. in any other Australian Univ. is accepted provided that the subjects prescribed for S. Australian students are included. A candidate

whose qualifications for matric. in the Univ. of his own state do not include one or more of the subjects specified by Adel. is required to pass in only the outstanding subject or subjects.

*Overseas Candidates*

(*a*) *United Kingdom and Dominions.* Qualifications which entitle the holder to matric. in the corresponding Fac. in any recognized Univ. of the U.K. or of a Dominion are accepted, provided that the subjects prescribed for S. Australian candidates are included. The English G.C.E. is accepted on a basis similar to that required by English Univs., provided that certain subjects (other than English) specified at Leaving standard by Adel. have been passed at the Advanced level.

(*b*) *Other Parts of the British Commonweatth.* The requirements for candidates from other parts of the British Commonwealth, especially from South-Eastern and Eastern Asian countries, are at present (April 1953) under revision. In general it may be assumed that the new requirements will conform to those of U.K. Univs., so far as standard is concerned, and will include the specially prescribed subjects required by Adel. of its local candidates.

Candidates from India and Pakistan are required to have passed at a good standard in their own Univ.'s Inter. Examn. in Arts or Sci. and to have included in that examn. Engl. and such other prerequisite subject or subjects as may be specified in the Adel. requirements.

(*c*) *Other Overseas Students.* A candidate may be admitted to matric. who (i) holds a certif. which qualifies him for matric. in a recognized European or American Univ., provided that the subjects specified in the Adel. requirements are included and provided also that the certif. contains at least one modern lang. and lit.; (ii) has passed in a revised and enlarged Standard English test; and (iii) has passed in the prescribed Fac. prerequisites as follows:

*Science and Engineering* (and for admission to the class in Pure Maths. I). Either Maths. I and II and Sp. Maths. at the S. Australian Leaving Examn. or (in approved cases only) a special examn. in Maths. of equivalent standard.

*Law.* Latin at the S. Australian Leaving Examn.

*Arts.* Either Latin or Greek at the S. Australian Leaving Examn.

A candidate who is unable to present acceptable evidence of matric. work done elsewhere must pass in appropriate subjects at the S. Australian Leaving Examn.

*Mature Age*

No provision on account of age is made for modification of the normal requirements for matric.

*Special Cases*

The Matric. Bd. may consider applications from candidates who have qualifications in secondary educn. but have not satisfied the normal requirements for matric. The Bd. usually does not exempt such a candidate from the specified entrance requirements, but it may admit him for 1 yr. under conditions which it specifies and which must be fulfilled within 1 yr.

## CANBERRA UNIVERSITY COLLEGE

Admission requirements are those of the Univ. of Melb. (*See* Melb. Univ. (*below*) and General Note, p. 1550).

## MELBOURNE

### *General Requirements*

In order to become qualified to matriculate, candidates must (*a*) obtain the Melbourne Sch. Leaving Certif. and be credited therein with 5 subjects including: (i) Engl.; (ii) a branch of Maths. or Sci.; (iii) 1 other subject chosen from the langs. other than Engl., Greek and Roman Hist., Mod. Hist., British Hist., Econ., Soc. Studies; (*b*) pass the Matric. Examn. by passing or obtaining hons. in 4 subjects, including Engl. Expression; (*c*) attain the age of 17 yrs. by March 31 in the yr. concerned.

### *Special Faculty Requirements*

In addition to qualifying to matriculate, for the following Facs. the prerequisites set out below must have been passed at a standard equivalent to that of the Melb. Matric. Examn.:

*Arts.* A lang. other than Engl.

*Engineering.* Either Chem. or Phys. and either Calculus and Appl. Maths. or Pure Maths.

*Science.* 2 of the following: Chem., Phys. and branch of Maths.

*Medicine.* For admission to the Med. Course, it is necessary to have qualified to matric. in a recognized Univ., to have completed a preliminary course conducted by or approved by the Univ. of Melb. in Chem., Phys. and Biol., to have passed the Preliminary Examn. in these subjects and, on the basis of this examn., to be selected in the quota fixed for the 1st yr. of the Degree Course in Med. Only a limited no. of overseas students, selected on the basis of academic merit, will be admitted to the preliminary course.

*Agricultural Science.* Either Phys. or Chem.

*Dental Science.* Chem. and either Phys. or a branch of Maths.

*Music.* Music (Theoretical) and Music (Practical).

### *Overseas Students*

The matric. qualifications of the following insts. are accepted as grounds for admitting overseas students to matric. status without further requirements (although they may have to make up the Fac. prerequisites at the Melb. Matric. Examn.):

*Canada.* Senior Matric.

*Ceylon.* Matric. of the Univ. of Ceylon.

*Egypt.* Secondary Educ. Certif. Part II (Sp. Course) of the Egyptian Ministry of Educ.

*Eire.* Matric. of Trinity Coll., Dub., or N.U.I.

*Continent of Europe.* Certif. of Maturity or equivalent certif. qualifying student to enter a continental Univ.

*United Kingdom.* Matric. of any English or Scottish Univ., or Univ. of Wales, or Queen's Univ., Belf.

*Greece.* Matric. of Univ. of Athens.

*Holland.* (i) Leaving Certif. from " Gymnasium " after 6-yr. course. (ii) Dipl. of H.B.S. " B " (except for Law). (iii) Certif. of completion of 6-yr. course at " Lyceum " (except for Law).

*Hong Kong.* Matric. of Univ. of Hong Kong.

*India.* Passing in the 1st Division of Inter. Sci. or Arts Examn.—prerequisites, if involved, to be at Inter. standard.

*Israel.* Qualification to enter either Hebrew Univ., Jerusalem or Hebrew Tech. Inst., Haifa.

*Malaya.* Univ. of Malaya Matric.

*Pakistan.* Passing in the 1st Division of Inter. Examn. in Sci. or Arts—prerequisites, if involved, to be at Inter. standard.

*South Africa.* Matric. of Jt. Matric. Bd. of Univs. of S.A.

*Syria.* Matric. of American Univ. of Beirut.

*Thailand.* Matric. of Univ. of Chulalongkorn.

*U.S.A.* Qualification to enter a Univ. accredited with the Assoc. of American Univs.

*Other Australian Institutions*

Persons qualified to matriculate in another Australian Univ. will be admitted to matric. status, but will be required to satisfy special Fac. requirements either at the Melb. Matric. Examn. or at an equivalent standard.

Provision is made for the recognition of qualifications gained at certain Australian Service establishments, and at certain Victorian Tech. Colls.

*Adult Matriculation*

Special provision is made for persons who are at least 20 yrs. of age and have left school 4 full yrs. These provisions apply to local students only.

## NEW ENGLAND UNIVERSITY COLLEGE

Admission requirements are those of the Univ. of Syd. (*See* Syd. Univ., p. 1559, and General Note, p. 1550.)

## THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY

*General*

(*a*) No minimum age limit for admission to the Univ. Applicants for entry to undergrad. courses leading to a degree may satisfy entrance requirements by passing the N.S.W. Leaving Certif., or equivalent, examn. in at least 5 subjects, of which one must be Engl. and one other must be Maths. I, or Maths. II, or General Maths., 3 other subjects being chosen from the following groups, at least 1 of the 3 being from Group A.

Group A. Latin, French, Greek, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, Geol., Geog., Agric., Econ., Mod. Hist., Anc. Hist., Combined Phys. and Chem., Phys., Chem., Physiol., Biol., Bot. or Zool.

Group B. Appl. Maths., Theory and Practice of Music, General Maths., Maths. I or Maths. II.

(*b*) General Requirements. The following general provisions apply : candidates must meet the requirements set out in section (*a*) above at one examn., provided that

(i) neither Phys. nor Chem. be taken along with the combined subject Phys. and Chem. ;

(ii) neither Bot. nor Zool. be taken with Biol. ;

(iii) neither Bot. nor Zool. nor Biol. be taken with Physiol. ;

(iv) neither Maths. I nor Maths. II be taken with General Maths. ;

(v) a candidate who offers Maths. and elects to take General Maths. may not sit for Maths. I or Maths. II ; a candidate who offers Maths. and does not elect to take General Maths. must take both Maths. I and Maths. II ; a pass in either Maths. I or Maths. II will count as a pass in 1 subject ; a pass in both papers will count as passes in 2 subjects ;

(vi) Theory and Practice of Music is accepted only from March 1946 ;

(vii) Anc. Hist. and Agric. are accepted only where the pass was obtained at an examn. held in 1945 or in a subsequent yr. ;

(viii) Econ. is accepted only in cases where the pass was obtained at an examn. held in 1947 or in a subsequent yr.

(*c*) Notwithstanding the foregoing, candidates may be accepted under the following conditions :

(i) Any person who has satisfied the examn. requirements for entrance to the dipl. courses of the Dept. of Tech. Educn., N.S.W., since and including the qualifying examns. of the Dept. of Tech. Educn. held at the end of 1940, may be admitted as a " registered student " of the Univ. of Technol., but this provision shall not apply to examns. held later than March 1955.

(ii) (*a*) A grad. of any approved Univ.

(*b*) An applicant who presents a certif. from any Univ. showing that he is qualified for entrance to that Univ., provided that, in the opinion of the Professorial Bd., there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and the conditions laid down for ordinary entrance to the nominated Fac. of the N.S.W.U.T.

*Adult Matriculation*

Special provision is made for persons who are at least 25 yrs. of age and who have satisfactorily completed a systematic course of study extending over at least 3 yrs. from the Inter. Certif. level.

## QUEENSLAND

*General Requirements*

The minimum age for admission of non-matriculated students is 16 yrs. In the Fac. of Medicine, a candidate may not pursue the 2nd yr. of study in any subject unless he attained the age of 18 yrs. on or before Jan. 1 of that yr. For the Dipl. in Physiotherapy course, a candidate must have attained the age of 17 yrs. on or before June 30 of the year in which he enters the course.

A candidate for matric. in any Fac. must pass examns. in the subjects

specified for that Fac., at the Jr. Public Examn. or the Sr. Public Examn., as prescribed. The subjects may be passed at the Sr. or Jr. Public Examns. held annually in Nov.-Dec. or at the Matric. Examn. held annually in Feb. At the Matric. Examn., subjects may be taken at Sr. or at Jr. standard. Passes in required subjects obtained at other examns., held within or outside Queensland, will be accepted if, in the opinion of the Dean of the Fac. concerned, they are equivalent to passes at the required standard.

The subjects prescribed for any Fac. may be passed at more than one sitting, provided that at least 4 subjects listed hereunder, whether or not prescribed for that Fac., are passed at one sitting. A sitting in Nov. and a sitting in the following Feb. will be classed as 2 sittings.

A person who has matriculated in a Fac. at another British Univ. and has completed 1 yr. of a degree course in that Fac. is not required to pass any further examns. for a corresponding matric. in this Univ. In any other case where a candidate for matric. has pursued a course at this or any other Univ., the Fac. concerned may exempt him from such of the examn. requirements for matric. in that Fac. as it thinks fit.

The following subjects are available for matric. purposes: Latin, Greek, Engl., French, German, Music or Art, Maths. I, Maths. II, Inter. Maths., Chem., Phys., Bot., Zool., Italian, Mod. Hist., Anc. Hist., Logic, Econ., Geol., Physiol., Geog., Home Sci. A, Book-keeping and Accounts, Appl. Mechanics, Geometrical Drawing and Perspective.

*Special Faculty Requirements*

*Arts.* A candidate is required to pass at Sr. standard in at least 4 subjects covering 4 of the following groups of subjects: (*a*) Engl.; (*b*) French, German, Greek, Latin; (*c*) Maths. I, Maths. II; (*d*) Bot., Chem., Geol., Phys., Physiol., Zool.; (*e*) Mod. Hist., Ancient Hist., Geog. The 4 subjects must include Engl. and a subject from Group (*b*), the other 2 subjects being selected from any 2 of Groups (*c*), (*d*) and (*e*). If Latin is not one of the 4 subjects, a pass in Latin at Jr. or higher standard is also required, but this requirement may be fulfilled at any time whether before, at, or after the matric. examn. in which the other subjects are passed.

*Note*: The above requirements are minimum requirements, and a student intending to pursue an Arts course would benefit by taking more than 4 subjects, either to lead up to subjects he intends to take at the Univ., or to give him the advantage of a wider background of general knowledge.

*Science.* A candidate is required to pass at Sr. standard in 4 subjects including Engl., Maths. I and a Sci. subject, and in so far as Chem., Phys. and a lang. other than Engl. are not included in the 4 subjects, must pass or have passed them at not less than Jr. standard.

A person desiring to pursue the course in Indus. Chem. must pass at Sr. standard in both Chem. and Phys. and otherwise fulfil the requirements set out above.

*Engineering.* A candidate must pass at Sr. standard in Engl., Maths. I, Maths. II, Phys. and Chem.

A lang. other than Engl. must be passed at not less than Jr. standard.

*Note*: The matric. examn. for the Fac. of Engin. is recognized by the Engin. Jt. Examn. Bd., Lond., as qualifying in lieu of their Prelim. Examn.

*Surveying.* A candidate must pass at Sr. standard in Engl., Maths. I, Phys. and 2 other subjects.

*Commerce.* A candidate may matriculate if he passes at Sr. standard in 4 matric. subjects, including Engl. and either Maths. I or a lang. other than Engl.; provided that if a lang. other than Engl. is not passed at Sr. standard it must be passed as a 5th subject at Jr. standard, and if Maths. I is not passed at Sr. standard it must be passed as a 5th subject at an approved Inter. standard.

A person who has qualified for the Dipl. in Comm. and who has passed in Maths. I at Sr., or an approved Inter., standard or in Stats. or holds some other examn. qualifications in Maths. accepted by the Senate as equivalent, may matriculate in the Fac. of Comm.

*Agriculture.* A candidate is required to pass in 4 Sr. subjects, including Engl., Maths. I and a Sci. subject.

If Chem., Phys. and a lang. other than Engl. be not passed at Sr. standard, these subjects must be passed or have been passed at Jr. standard in addition to 4 Sr. subjects.

A student of the Queensland Agriculture High Sch. and Coll., Lawes, may matriculate if he has (1) been awarded the Pass Dipl. of the Coll.; and (2) passed in Phys. and Chem. in the Jr. Public Examn.; and (3) attained at least 2nd class hons. standard at the Coll. in (*a*) Engl., (*b*) Chem. and (*c*) Agric. Bot. or Microbiol.; and (4) passed in Special Maths. for Coll. students or the special course in Maths. up to Inter. standard.

Students who have matriculated in the Fac. of Agric. are regarded as having also satisfied the requirements for matric. in Forestry.

*Law.* Matric. in the Fac. of Arts will also give matric. in the Fac. of Law.

*Dentistry.* The matric. requirements are the same as for Pure Sci. in the Fac. of Sci.

*Veterinary Science.* The matric. requirements are the same as those for the Fac. of Agric.

For students of the Queensland Agriculture High Sch. and Coll., Lawes, conditions for enrolment in the Fac. of Vet. Sci. are the same as those for the Fac. of Agric.

*Medicine.* A candidate is required to pass in 5 Sr. subjects including Engl., Maths. I, Chem. and Phys.

German, French or Latin must be passed or have been passed at not less than Jr. standard.

*Architecture.* A candidate is required to pass in 5 subjects at Sr. standard including Engl., Maths. I, Phys. and one of the following:

(i) Art (both papers);

(ii) Chemistry.

Should Chem. not be taken to Sr. standard a pass in this subject must have been obtained at Jr. standard. Should the full subject Art not be taken, a pass in the 2nd paper of the subject must be obtained.

*Adult Matriculation*

A candidate who has attained the age of 23 yrs. may be admitted to matric. in the several Facs. on passing a special examn. The candidate may, if he so chooses, matriculate under the ordinary regulations. There is no provision for adult matric. in the Fac. of Med.

## SYDNEY

There is no minimum age limit for admission to the Univ., except that candidates for admission to the Fac. of Law must be 17 yrs. of age.

*Matriculation*

Candidates for any of the degrees granted by the Univ. of Sydney shall be required to matriculate before entering upon the prescribed course for the degree. Before being admitted to matric., candidates shall have passed one of the examns. required by the by-laws for admission to the prescribed courses in the different Facs., or shall have been admitted *ad eundem statum*.

*Matriculation Examination*

The examn. shall be in the following subjects :

Group A. Engl.
Group B. Mod. Hist., Ancient Hist., Econ.
Group C. Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch.
Group D. Maths. I., Maths. II, General Maths., Appl. Maths., Theory and Practice of Music.
Group E. Phys., Chem., Geol., Geog., Phys.-and-Chem., Bot., Zool., Biol., Physiol., Agric.

In order to qualify for matric., candidates must pass at one examn. in at least 5 subjects, of which one must be English, and the other 4 subjects must be chosen from at least 2 of Groups B. C. D. and E., provided that :

(*a*) neither Phys. nor Chem. may be taken along with the combined subject Phys.-and-Chem. ;
(*b*) neither Bot. nor Zool. may be taken with Biol. ;
(*c*) neither Zool. nor Biol. may be taken with Physiol. ;
(*d*) neither Maths. I nor Maths. II may be taken with General Maths. ;
(*e*) a candidate who offers Maths. and elects to take General Maths. may not sit for Maths. I or Maths. II ; a candidate who offers Maths. and does not elect to take General Maths. must take both Maths. I and Maths. II ; a pass in either Maths. I or Maths. II will count as a pass in one subject ; passes in both papers will count as passes in 2 subjects ;
(*f*) Theory and Practice of Music is accepted for matric. only in cases where the pass was obtained at an examn. held in 1943 or subsequent yrs., provided further that a pass in the subject of Music II at the Leaving Certif. Examns. held in 1943 and 1944 is accepted as equivalent to a pass in the subject of Theory and Practice of Music.
(*g*) Anc. Hist. is accepted for matric. only in cases where the pass

was obtained at an examn. held in 1945 or in a subsequent yr. ; further, Anc. Hist. may be taken with Mod. Hist. passed at the Leaving Certif. Examn. in and after 1951 ;

(*h*) Agric. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1945 or in a subsequent yr. ;

(*i*) Econ. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1947 or in a subsequent yr.

There are no special requirements for matric. in any Fac.

These requirements shall not affect the right which any person would have had, because of a qualification obtained before March 1, 1945, to matriculate or to matriculate into any particular Fac.

*Leaving Certificate Examination*

A candidate who has passed at the Leaving Certif. Examn. of the Dept. of Educn., N.S.W., in the subjects and at the standards (an Hons., an " A " or a " B " pass) required for matric., may be admitted to matric. without further examn.

A candidate for matric. who has presented himself for the Leaving Certif. Examn. held in 1947 and subsequent yrs. in 5 or 6 subjects selected in accordance with the above requirements, and who has passed in Engl. and 3 other of these subjects, shall be granted matric. status provided that he has been awarded " A " passes or passes with Hons. in at least 3 of these 4 subjects.

*General*

Any person who produces evidence that he has completed (*a*) the 1st yr. of the course at the Royal Military Coll. of Australia, or (*b*) the full 4-yr. course at the Royal Australian Naval Coll., or (*c*) the 1st yr. of the course at the Royal Australian Air Force Coll. may be admitted to matric. without further examn.

Holders of the Dipl. with Hons. of an approved Agric. Coll. in Australia or holders of a Dipl. with Hons. or Credit of an approved Technical Coll. in Australia may be admitted to matric.

Persons of foreign nationality and educn. may be admitted to matric. by a special examn. if they give evidence that satisfies a three-fourths majority of the Fac. of Arts and of the Professorial Bd. that they are of good fame and character, and personally and educationally qualified for entrance to the Univ.

*Provisional Matriculation*

Provisional matric. may be granted to any person of not less than 25 yrs. of age who produces satisfactory evidence that he is of distinct educational merit and who passes such examns. as may be prescribed. Provisional matric. granted to a person under these conditions shall be confirmed when he has fulfilled such requirements as the Senate shall determine.

*Admission* ad eundem statum

The Professorial Bd. may admit as a matriculated student in any Fac., with such status as the Bd. thinks proper in the circumstances, a person:

(*a*) who is a grad. of any other Univ., or

(*b*) who presents a certif. from an approved Univ. showing that he is qualified for matric. and entrance to that Univ. and setting out the grounds of that qualification, provided that, in the opinion of the Bd., there is a reasonable correspondence between the qualifying conditions relied on by the applicant and the conditions laid down for ordinary entrance to the Univ. of Syd.

An applicant shall not be admitted unless he gives evidence of his degree or status and of good conduct.

Before being admitted to matric., foreign students are required to show that they have an adequate knowledge of the Engl. lang.

## TASMANIA

### *General Requirements*

Examns. at which qualifications for matric. are obtained are (*a*) the Matric. Examn. conducted by the Univ.; (*b*) the Schools Bd. Certif. Examn. conducted by the Schools Bd. of Tasmania. The latter is the sch. leaving examn. and is normally taken 1 yr. before matric., *i.e.* at the age of 15 or 16 yrs.

Students are required to pass 6 subjects, including (*a*) Engl. Expression; (*b*) one of Engl. Lit., Mod. Hist., Ancient Hist. and Soc. Studies; (*c*) one of French, German, Latin and Greek; (*d*) Maths. The remaining subjects may be chosen from the above groups and from Appl. Maths., Phys., Chem., Biol., Geol., Geog., Econ., Music and Art.

Engl. Expression and 2 other subjects may be passed at the Schools Bd. Examn. or at the lower pass standard of the Matric. Examn. The remaining 3 subjects must be passed at the higher pass standard of the Matric. Examn. Students may be exempted from the requirement of having to pass in subjects of both groups (*c*) and (*d*), provided that a subject of one of the groups is passed and that a certain subsidiary standard is reached in a subject of the other group. Engl. Expression, one lower pass and the 3 higher passes must be gained in 2 sittings, examns. held in Dec. and the following Feb. counting as one sitting for this purpose. The remaining lower pass may be gained at any sitting. Schools Bd. subjects and corresponding Matric. subjects may not both be counted, *e.g.* Schools Bd. Maths. II may not be counted if Matric. Maths. A has been passed.

The normal minimum age for admission to Matric. is 17 yrs. but students under this age may be admitted if considered by the Professorial Bd. to be of exceptional ability. Persons over the age of 23 yrs. may be admitted to Matric. without having complied in full with the ordinary requirements.

### *Prerequisites*

There are no Fac. prerequisites as such, but the following prerequisites for specific subjects are required:

*Foreign Languages.* A higher pass in the corresponding Matric. subject.

*Mathematics.* A higher pass in Matric. Maths. A.
*Physics.* A pass in Schools Bd. Maths. II.

*Exempting Examinations*

The Univ. will admit to Matric. students who are qualified for admission to other Australian Univs., to Univs. in Gt. Britain and N.Z. and (subject to proficiency in Engl.) to other Univs. of standing throughout the world. Students who gain partial qualifications elsewhere may be awarded Matric. on passing such subjects of the Matric. Examn. as may be prescribed by the Professorial Bd.

## WESTERN AUSTRALIA

*General Qualifications for Matriculation*

The minimum age for matric. is 17 yrs. The normal method of satisfying minimum entrance requirements is by means of a qualifying examn. in which candidates must pass in Engl. and any 4 of the following subjects: Latin, Greek, French, German, Italian, Spanish, Hebrew, Russian, Hist., Indust. Hist. and Econ., Geog., Maths. A, Maths. B, Appl. Maths., Phys., Chem., Biol., Geol., Agric. Sci., Physiol. and Hyg., Music, Drawing.

The qualifying examns. include the W. Aust. Leaving Certif. Examn. held annually in Nov. and the Matric. Examn. conducted by the Univ. of W. Aust. in Feb. each yr. The prescribed subjects must be passed at not more than 2 examns., the Leaving Certif. Examn. and the Matric. Examn. being regarded as separate examns. Admission to the Matric. Examn. is restricted to persons who seek to complete matric. requirements and to be admitted to the Univ. in the same yr. There are no special requirements for entrance to any Fac.

*Special Exemptions*

Students of mature age may be admitted without passing the normal matric. examn. The age varies according to the Fac. concerned and in some cases a special mature age examn. is held, while in others students are required to provide satisfactory evidence that they possess educational qualifications sufficient to enable them to take the proposed course.

*Exempting Qualifications*

(i) Matric. in the corresponding Fac. in any other Univ. in Australia, N.Z., the U.K. or other approved Univ., Coll. or Inst.

(ii) Graduation in a Univ. in Australia, N.Z., the U.K. or other approved Univ.

(iii) Certifs. from other countries will receive separate consideration. Candidates from overseas must submit satisfactory evidence that they are qualified for the courses they propose to enter, including evidence of sufficient knowledge of the Engl. lang.

## (D) SOUTH AFRICA

GENERAL. The qualificn. for entrance to a course of study for a first degree of any Univ. in South Africa is the Matric. Certif. of the Joint Matriculation Board for the nine Univs. in South Africa, or a Certif. of Exemption issued by that Bd. The Bd. was established by Act of Parliament passed in 1916 and has conducted the Matric. Examn. since 1918. Before that the Matric. Examn. was conducted by the now defunct Univ. of the Cape of Good Hope. For all practical purposes, therefore, the only recognized qualificn. for admission to a course of study for a first degree is the Matric. Certif., or the Exemption Certif. of the Bd. A successful candidate at the Matric. Examn. may be awarded *either* a School Leaving Certif. *or* a Matric. Certif., depending upon the subjects passed and the standards attained in specific subjects. The School Leaving Certif. is not an entrance qualificn. for a course leading to a degree, although it may be accepted by the Univs. for admission to courses of study leading to certain dipls. and certifs.

APPROVED SUBJECTS FOR THE MATRICULATION EXAMINATION. The list of approved subjects is as follows:

Section A. 1. English (H.) * (not to be taken with 2); 2. English (O.) *; 3. Afrikaans (H.) (not to be taken with 4, 5 or 6); 4. Afrikaans (O.) (not to be taken with 3, 5 or 6); 5. Nederlands (H.) (not to be taken with 3, 4 or 6); 6. Nederlands (O.) (not to be taken with 3, 4 or 5); 7. Latin; 8. Greek; 9. French; 10A. German A; and 10B. German B; 11. Portuguese; 12. Hebrew; 13. Xhosa A or Xhosa B or Zulu A or Zulu B; 14. Tswana or Southern Sotho A or Southern Sotho B or Northern Sotho A or Northern Sotho B; 14A. Venda; 14B. Tsonga; 15. Maths.; 16. Physical Sci. (not to be taken with 17 or 18); 17. Physics (not to be taken with 27); 18. Chem.; 19. Biol. (not to be taken with 20 or 21); 20. Bot.; 21. Zool.; 22. Geol.; 23. Agriculture; 24. Housecraft and Hygiene; 25. Hist.; 26. Geog.; 27. Mechanics; 28. Book-keeping and Commercial Arithmetic; 29. Art; 30. Music; 31. Geometrical Drawing.

Section B (may be taken only as 6th or 7th subject in the examn.). 32. Commerce; 33. Shorthand and Typewriting; 34. Additional Maths. (may not be taken without 15); 35. Nederlands (may be taken only by candidates also offering 3; and only up to March 1955).

Candidates are required to take, at one and the same examn., not fewer than six or more than seven subjects, and to pass in not fewer than five subjects with not less than 33⅓ per cent. in each of the five, and obtain a fixed minimum aggregate. Candidates so passing obtain EITHER *School Leaving Certificates*, if the subjects passed include (i) an official lang. (*i.e.* English or Afrikaans) † on the Higher Grade; (ii) Maths.

* H. = Higher Grade; O. = Ordinary Grade.

† The medium of instruction in the teaching Universities is predominantly either English or Afrikaans, viz. English at the Universities of Cape Town, Natal, Rhodes and the Witwatersrand, Johannesburg, and Afrikaans at the Universities of the Orange Free State, Potchefstroom, Pretoria and Stellenbosch. The University of South Africa conducts examinations in both media for external students and it has a division of External Studies.

or a Sci. ; (iii) the other official lang., on the Higher or Ordinary Grade, or an approved Bantu lang. (*i.e.* 13, 14, 14A or 14B) or Latin or Greek or French or German or Hist. or Geog. or Portuguese or Hebrew or other lang. in which the Board decides to conduct an examn. ; (iv) and (v) any two subjects (not already taken) selected from Section A of the above list of approved subjects ; OR *Matriculation Certificates*, if the subjects passed include four subjects in each of which the candidate has obtained the Matric. standard of 40 per cent., viz. (I) an official lang. (*i.e.* English or Afrikaans) on the Higher Grade ; (II) the other official lang., on the Higher or Ordinary Grade, or an approved Bantu lang. (*i.e.* 13, 14, 14A or 14B) or Latin or Greek or French or German ; (III) Maths. or a Sci. ; (IV) Maths. if not taken under (III) or another lang. from (II) or Hist. or Geog. or Portuguese or Hebrew or other lang. in which the Bd. decides to conduct an examn. Candidates who are awarded a Matric. Certif. must have *either* (i) included in their four subjects Maths. or an approved lang. other than English or Afrikaans or Nederlands, *or* (ii) taken Maths. or an approved lang. other than English or Afrikaans or Nederlands, as a fifth subject, and obtained not less than 33⅓ per cent. of the total marks.

The four Provincial Depts. of Education in the Union (Cape, Natal, Orange Free State and the Transvaal) conduct examns. for a sr. certif. on syllabuses approved by the Bd. These examns. are recognized by the Bd. for exemption from its own Matric. Examn. subject to conditions prescribed by the Bd.

FACULTY AND DEPARTMENTAL REQUIREMENTS. Although the Bd.'s Matric. Certif. or Certif. of Exemption is the normal requirement for admission to a Univ., certain subjects are prescribed by the Univs. as prerequisites for enrolment in some Depts. or Facs. A student is advised to have a broad general educn. and to take for the Matric. Certif. at least two of the subjects, Maths., Latin, Greek, French, German, in addition to both official langs., *i.e.* Afrikaans and English. Maths. is essential for Agric., Archit., Forestry, Med. and Quantity Surveying, and highly desirable for courses in Accountancy, Engin., Land Surveying and Sci. A knowledge of Latin of matric. standard is necessary for Law. Further particulars of Fac. and Departmental requirements should be obtained direct from the Registrars of the individual Univs., *not* from the Joint Matriculation Board.

OVERSEAS EXAMINATIONS. The Bd. recognizes for purposes of exemption School Certifs. issued by a number of overseas bodies if the Certifs. entitle the holder to unconditional admission to an approved Univ. in the country of origin and the subjects passed and the standard attained are in accordance with the Bd.'s regulns. for its own Matric. Certif. As examples, a Credit in a subject for the Cambridge School Certif. and for the School Certif. of the Joint Matriculation Board of the Northern Univs. in England (cf. p. 1496) is accepted as equivalent to a "40% pass," and a pass in a subject for the Higher Certif. of the Oxford and Cambridge Schools Examn. Board is accepted. Exemption is given subject for subject (English Lang. is recognized as fulfilling the requirement for exemption from English, but not English Lit.).

The Board may issue either a Certif. of full exemption or a Certif. of conditional exemption which may be converted into a Certif. of full exemption if the holder fulfils specified conditions within a prescribed time.

Overseas qualificns. recognized by the Bd. include: the School Certifs. awarded by each of the eight Examining Bodies in England and Wales recognized by the Ministry of Education for England and Wales (v. *supra*, p. 1496); the General Certifs. of Educn. awarded, in and after 1951, by the same eight Examining Bodies; the Higher School Certifs. of five of these Examining Bodies (*i.e.* Oxford and Cambridge Schools Examn. Bd.; Northern Jt. Matric. Bd.; London Univ.; Oxford Local Examns. Delegacy; Univ. of Cambridge Local Examns. Syndicate; Central Welsh Bd.); Intermediate Examn., First Class, of Indian Univs.; Matric. or other entrance certif. of other approved Univs.; Leaving Certif. of Education Depts. or Secondary Schools entitling holder to admission to an approved Univ.; Leaving Certifs. of Education Depts. of Scotland and Eire; Hoofdakte (Holland).

SPECIAL EXEMPTION. Non-matriculated candidates over the age of 25 who desire to proceed to a degree and are not eligible for exemption under the ordinary regulns. may, under certain conditions, be specially exempted from Matric. on the recommendation of a Univ. Such candidates cannot be admitted to a degree unless they have not only completed the curriculum for the degree but have also fulfilled any other conditions for exemption from the Matric. Examn.

*A full and official statement of the Matriculation requirements of the South African Universities is contained in the annual* Matriculation Examination Handbook *published by the Joint Matriculation Board, P.O. Box 392, Pretoria, South Africa. Full details of each University's Faculty and Departmental prerequisites, which are additional to the Joint Matriculation Board's requirements, should be obtained direct from the Registrar of the University,* not *from the Joint Matriculation Board.*

# APPENDIX II

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

The scope of this Appendix is limited to awards tenable at Universities or institutions of equivalent status in the United Kingdom.

To facilitate prompt reference by prospective applicants, the principal classification on the score of eligibility into which each award falls has been indicated as follows:

* open to graduates of United Kingdom Univs.;
† open to graduates of British Univs. overseas;
‡ open to graduates of Univs. outside the British Commonwealth.

These symbols are not intended to indicate that in all cases the award is limited to *graduates*. The field of eligibility is more precisely defined in the paragraph of information following each title. An award which is only open to the graduates of the Univ. announcing it, is not included in this Appendix.

**Cross-references throughout the text relate to the bracketed numbers opposite each award or group of awards and not to page numerals.**

Reference may also be made to the following publications: *Study Abroad*, an International Handbook of Fellowships, Scholarships, and Educational Exchange (UNESCO); *Inter-Commonwealth Postgraduate Scholarships in Science* (H.M.S.O. for British Commonwealth of Nations Scientific Liaison Offices, London, 1951); and *The B.M.A. Book of Medical Scholarships* (British Medical Association, London, 1951). Canadian graduates should consult *D.B.S. Reference Paper No. 21* (Dominion Bureau of Statistics, Ottawa, 1953), which lists postgraduate scholarships and fellowships open to Canadian students.

Prospective applicants should note that Ministry of Education State Scholarships (*see* [32]) are available in respect of *certain* postgraduate awards at Universities and University Colleges in England and Wales. Candidates must have begun a degree course not before Oct. 1946 and must normally be resident in England or Wales.

The list of awards in this Appendix is arranged in order of subject as follows:

1. General (the subject being optional or there being a large field of choice) [1]-[48].
2. Agriculture, Veterinary Science, etc. [49]-[56].
3. Applied Science and Technology [57]-[70].
4. Arts (General) [71]-[82].
5. Arts (Special Subjects) [83]-[121].
   - Anthropology [83]-[86].
   - Architecture, Art and Archæology [87]-[89].
   - Classics [90]-[94].
   - English [95].
   - Geography.

History [96]-[101].
International Relations [102].
Law [103]-[106].
Librarianship [107].
Mathematics [108], [109].
Modern Languages [110], [111].
Music.
Oriental and African Studies [112]-[119].
Philosophy and Psychology [120], [121].

6. Dentistry [122]-[124].
7. Economics and Sociology [125]-[138].
8. Education [139]-[141].
9. Engineering (General) [142]-[148].
10. Engineering (Special Branches) [149]-[162].
    Aeronautics [149]-[151].
    Agricultural Engineering [152].
    Chemical Engineering, v. 16.
    Civil Engineering [153], [154].
    Electrical Engineering [155]-[158].
    Mechanical Engineering [159]-[160A].
    Mining and Mining Engineering [161].
    Naval Architecture and Marine Engineering [162].
11. Fisheries [163]-[165].
12. Medicine and Surgery (General) [166]-[189].
13. Medicine and Surgery (Special Subjects) [190]-[228].
    Anatomy [190].
    Bacteriology [191], [192].
    Biochemistry, v. 16.
    Cancer [193]-[198].
    Cardiology.
    Diseases of Children [199], [200].
    Neurology and Psychiatry [201]-[206].
    Obstetrics and Gynæcology [207].
    Ophthalmology [208], [209].
    Orthopædic Surgery [210], [211].
    Oto - Rhino - Laryngology [212].
    Pædiatrics [213].
    Pathology [214]-[220].
    Physiology [221], [222].
    Preventive Medicine [223]-[225].
    Tropical Medicine and Hygiene [226].
    Tuberculosis [227].
    Urology [228].
14. Psychical Research [229].
15. Science (General) [230]-[257].
16. Science (Special Subjects) [258]-[303].
    Astronomy [258].
    Biochemistry [259]-[261].
    Biology [262]-[264].
    Botany [265], [266].
    Chemical Engineering [267]-[272].
    Chemistry [273]-[282].
    Colloid Science [283].
    Ecology [284]
    Electrotechnics.
    Geology [285]-[287].
    Mathematics, v. 5.
    Metallurgy [288]-[290].
    Meteorological Science.
    Nutrition [291].
    Pharmacy [292]-[295].
    Physics [296]-[300].
    Physiology [301], [302].
    Zoology [303].
17. Theology [304], [305].
18. Prizes [306]-[323].

## 1. GENERAL

[1] * † ‡ BELFAST, THE QUEEN'S UNIV. *Senior Studentships*, £275 p.a. for 2 yrs., open to graduates of at least 1 yr.'s standing of Belfast or any other approved Univ., tenable normally at Belfast. Applicants should have had previous research experience and have proved their aptitude for it, and should briefly describe the piece of research or other original work upon which they propose to embark. Applications to the Secretary of the Academic Council by June 1.

[2] BRITISH COUNCIL, 65 Davies Street, London, W.1. * † ‡ (i) *Scholarships* are awarded each year to graduates of overseas Univs. and those holding equivalent qualifications. These are tenable at British Univs. and cover passage, fees, and full maintenance for at least one academic year. Arrangements for the preliminary selection of scholars are in the hands of the Council Representatives abroad or H.M. Missions in the countries concerned.

* † ‡ (ii) The Council also awards a number of *Travel Grants*, 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.

[3] * BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *Ida Smedley MacLean Junior British Scholarship*, £100, offered annually to a British woman graduate under 26 yrs. Subject and place of study optional.

A number of other awards are made from time to time.

Further details from the Secretary at above address.

[4] * † ‡ CAMBRIDGE UNIV. *Bartle Frere Exhibitions*, for study or research in any branch of knowledge relating to any part of the Commonwealth except the U.K., India and Pakistan. Tenable normally in Cambridge for 1 yr. but may be prolonged for a 2nd yr. This competition is open to all. Applications to the Secretary of the General Board, The Old Schools, Cambridge, by Feb. 13.

[5] * † ‡ CAMBRIDGE UNIV.: CHRIST'S COLL. *Research Studentship*. Annual value not more than £300, normally tenable for 2 yrs. Open to graduates of any Univ. Successful candidate must read for Cambridge Ph.D. Further particulars from the Master.

[6] * † ‡ CAMBRIDGE UNIV.: DOWNING COLL. One *Alan Buchanan Studentship* awarded annually for research in any Faculty of the Univ. of Cambridge. Available to a person who is a registered research student of the Univ. of Cambridge or will be accepted as such. Such person if not already a member of Downing Coll. will be required to become a member on his election.

The award may be held for 3 yrs. and its titular value is £50, but it

is eligible for supplementation by the Ministry of Education. Further information from Senior Tutor.

[7] CAMBRIDGE UNIV.: GIRTON COLL. * † ‡ (i) *Carlisle Research Scholarships*, value £15-£60 each, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. One or more offered annually. Closing date usually May 20.

* † ‡ (ii) *M. M. Dunlop Scholarship*. *See under* Arts (Classics) [91]. Further particulars from College Secretary.

[8] * † ‡ CAMBRIDGE UNIV.: GONVILLE AND CAIUS COLL. A *Rhondda Research Studentship* of value (dependent upon 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 from time to time, usually annually. Open to men under 26 yrs. of age on May 1 of the year of application, who have graduated at any Univ. other than Cambridge or who are otherwise qualified to undertake research, provided that they have not begun residence in the Univ. of Cambridge. Tenure is conditional on acceptance by the Univ. for admission as a Research Student, and upon diligence in the approved course of research, and is normally for 2 yrs. but with possibility of renewal for a 3rd yr. A candidate must be nominated by the Hd. of his Univ., through whom the application must be submitted. Applications, with certificates of birth, graduation, and good character, record of education, statement of the research or kind of research the candidate is prepared to undertake, and evidence of aptitude for research (including testimonials or original work, or both), should reach the Master not later than May 1.

[9] † CAMBRIDGE UNIV.: KING'S COLL. The Coll. will award in alternate yrs. a *Studentship* of the value of £300 for 1 yr., renewable for a 2nd yr., to a graduate or prospective graduate from each of the Dominions of New Zealand, Australia, Canada and S. Africa. The student should normally affiliate and read for an Hons. B.A. degree, but in exceptional circumstances he may be permitted to do research instead. The subject may be any in the curriculum of Cambridge Univ. The award will be assigned primarily to a particular Univ. for purposes of nomination. The *Giblin Studentship* for a graduate of Melbourne and the *Crawford Studentship* for a graduate of Cape Town will be awarded for Oct. 1954. The *Orford Studentship* for a New Zealand graduate and the *Grainger Studentship* for a graduate of Toronto will be offered for Oct. 1955. Further information from Sr. Tutor.

[10] CAMBRIDGE UNIV.: NEWNHAM COLL. * † (i) *Mary Bateson Fellowship*, £250 p.a. for 3 yrs., tenable at Newnham Coll., for research in any subject, preference being given to a student of Hist. Open to women graduates of any Univ. in Great Britain or in another part of the Commonwealth, preference being given, other things being equal, to a past or present student of the Coll. Awarded from time to time as funds permit.

* † (ii) *Associates' Fellowships*. Value and conditions as for (iii).

* † (iii) *Old Students' Fellowship*. £250 p.a. for 3 yrs., tenable at Newnham Coll., for research in any subject. Open to women graduates

of any Univ. in Great Britain or in another part of the Commonwealth, preference being given, other things being equal, to a past or present student of the Coll. Awarded from time to time as funds permit.

* ‡ (iv) *Gamble Studentship* for research in a subject other than Natural Sciences, offered annually, tenable at Newnham Coll. Open to women graduates of Bristol Univ., and of Trinity Coll., Dublin, as well as to graduates of Newnham. Further information from the Principal.

[11] * † CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. One or more postgraduate awards, the value of which will be determined in accordance with the needs of the applicants. Open to graduates of Univs. in Great Britain and Ireland and of British Univs. overseas.

Further information may be obtained from the Master.

[11A] * † CAMBRIDGE UNIV.: ST. JOHN'S COLLEGE. *Fellowship*. *See* p. 1648.

[12] * † ‡ 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 and have not been engaged for more than 2 yrs. in advanced study or research. 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 April 1.

[13] CANADIAN FEDERATION OF UNIVERSITY WOMEN. † (i) *Travelling Fellowship*. Value, $1500. Preference to those who have completed at least 1 yr. of graduate study and have a definite course of study or research in view. Normally awarded alternately to those engaged in scientific research and to those engaged in literary, historical, economic or philosophical studies.

† (ii) *Professional Fellowship*. Value, $1000. Preference to those who have completed at least 1 yr. of professional work and who desire to spend 1 yr. at an accredited Library School, College of Education or similar professional school.

† (iii) *Junior Fellowship*. Value, $1200. Preference to those who have studied in only one Univ. and who desire to continue their studies in another.

Each award is based on evidence of character, intellectual achievement and promise, and is open to any woman holding a degree from a Canadian Univ. whose domicile is in Canada (including Newfoundland). Candidates for (i) and (ii) must be not more than 35 yrs. of age at time of award and for (iii) not more than 25. Applications before Feb. 1 to the Convener of the Fellowship Committee, Miss Virginia Cameron, Assistant Registrar, McGill University, Montreal, Quebec.

[14] * 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 members 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.)

[15] * † CENTRAL BUREAU LOAN FUND (constituted under the Charity Commission) makes loans free of interest to educated women and girls of British birth for training in any profession. Details from Secretary, Mrs. J. M. Auckland, 72 Peckham Hill Street, London, S.E.15.

[16] * † COLLEGE HALL, Malet St., London, W.C.1. *Pfeiffer Fellowship*, value not less than £90 for one session. Awarded every 3rd yr. Candidates must be graduates of a British Univ. who are engaged in study at the University of London for a higher degree, or in original work approved by the Council. The holder is required to reside in College Hall. Applications to the Principal.

[17] * † 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.

[18] EDINBURGH UNIV. * † ‡ (i) *Richard Brown Scholarship* for research, £64 for 1 yr. Awarded annually by the Faculties of Divinity, Law, Medicine, Arts, Science and Music, in rotation. Open to grads. of any Univ. of not more than 5 yrs.' standing, and to undergrad. students of any Univ. who are proceeding to a degree in the yr. of award. A grad. of a Univ. other than Edinburgh must prosecute his research at Edinburgh Univ. Applns. by May 15 to Secretary of Univ.

* (ii) *Shaw Macfie Lang Fellowship*, £220 p.a. approx., tenable for 2 yrs. at an approved institution in a subject decided from time to time by the Senate of the Univ. Open to honours graduates of Scottish Univs.

* † ‡ (iii) *Postgraduate Studentships, Research Grants* and *Fellowships* (financed from general Univ. funds). *Studentships*, up to £250 p.a. for 1 yr., with possibility of extension. Open to graduates of a recognized Univ. of Class I or II Hons. standing who propose to take Hons. in a second subject or undertake equivalent advanced study in the Univ. of Edinburgh. *Research Grants*, available to graduates of any Univ. carrying out research under the direction of the Hd. of a Dept. of the Univ. of Edinburgh. *Fellowships*, £450 or £650 p.a. for original

research, normally at the Univ. of Edinburgh. Open to graduates of any Univ. Further particulars from the Matriculation Office or from the Offices of the Deans of the Facs. of Medicine and Science. (The awards are not normally made to graduates of other Univs. who are not already in attendance at the Univ. of Edinburgh.)

[19] † GOWRIE SCHOLARSHIP TRUST FUND. 2 postgraduate *Research Travelling Scholarships* awarded by trustees annually to graduates of Australian Univs. Value, £500 stg. p.a. Tenable for 2 yrs. at Univs. abroad. Scholarships are awarded to members of the Forces who have served on active service or their children. Applications to be lodged with own Registrar before Nov. 30 each yr. Enquiries to Secretary, Gowrie Scholarship Trust Fund, Box 2069, G.P.O., Sydney, Australia.

[20] * † ‡ HULL UNIV. COLL. *Research Studentships* in Arts (including Economics) and Science, £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.

[21] † IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas)*: 9 offered annually to enable students to carry out studies in History, Economics, Constitutional Govt., or any subject vital to the interests of the Commonwealth. Tenable at any United Kingdom Univ. for 1 yr., renewable for 2nd yr. Value, $2000 p.a. Holders of scholps. expected to return to Canada after completion of their work in a British Univ. Open to men and women who must be (i) unmarried, (ii) more than 19 yrs. and less than 27 (ex-Service personnel: less than 34), (iii) British-born or naturalized allies or naturalized neutrals, with at least 5 yrs.' residence in Canada, (iv) hold a degree from a recognized Univ. or degree-granting Coll. in Canada, and (v) must have done or be doing postgraduate work. Applications normally to I.O.D.E. Educational Secretary in Province in which candidate graduated. Further information from Registrar of candidate's Univ.

[22] * † 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. Value and duration variable. Awarded from time to time; in abeyance at present. Further particulars from Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1.

[23] * † ‡ INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, 1 Sedding Street, Sloane Square, London, S.W.1, awards *International Research Fellowships* to its members, who are women graduates of some 30 countries. Available for a year's research work in some country other than that of the holder. A number of these research fellowships, varying in value from £355 to £600, are awarded annually.

Further particulars from the Secretary.

[24] * † LEEDS UNIV. *Frank Gott Scholarship*, £80 p.a., open to Hons. graduates of any Univ. in Gt. Britain or British Colonies or Dominions for advanced study and research in the Univ. of Leeds.

Tenable for 2 yrs. Evidence of British and Christian parentage required. Applicns. to trustees of Gott Bequest through Registrar. Awarded in June.

[25] * † 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.

[26] * † LEVERHULME RESEARCH AWARDS. *Fellowships* and *Grants-in-aid* are awarded to sr. workers of established position who are prevented by routine duties or pressure of work from carrying out research. They are limited to British-born subjects normally resident in the U.K. In exceptional circumstances, the Trustees may waive the condition as to residence. The duration of the awards does not extend over more than 2 yrs. or less than 3 mos. and the amount depends on the nature of the research and the circumstances of the candidate. Closing date Dec. 31. Further particulars and forms of application from the Secretary, Leverhulme Research Awards, 3/5 Salisbury Square, London, E.C.4.

[27] LONDON UNIV.: BEDFORD COLL. FOR WOMEN. * † ‡ (i) *Marie Souvestre Scholarship*, £75 p.a. for 2 yrs., or £150 for 1 yr., tenable at Bedford College. Awarded biennially. Next award 1955. Open to Frenchwomen only.

* † ‡ (ii) *Clay Scholarships*. £40 for 1 yr. 2 or 3 scholps. awarded each yr., one being reserved for graduates of the Univ. of London.

Further particulars from the Registrar.

[28] * † ‡ 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.

[29] * † ‡ 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 1954.

* † ‡ (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.

[30] * † ‡ 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 £145 for 3 terms' residence. M.A. or Ph.D. fees are payable as listed in the prospectus.

(ii) *Postgraduate Studentships* (up to 6), value £40 p.a. and eligible for supplementation by the Ministry of Education. Subject to the same conditions as are given above and open to women of any Univ. who have recently graduated or who are in their final undergraduate year.

Applications (15 sets) for the ensuing academic year should be made to the Registrar in Feb. and should be accompanied by a scheme of work, copies of not more than 3 testimonials and names of 2 referees.

[31] 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. Next offer: probably 1956.

[31A] ‡ MARSHALL SCHOLARSHIPS (for U.S. graduates). Particulars from H.M. Consulates-General in New York, New Orleans, Chicago and San Francisco. *See also* p. 1700.

[32] * 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.

[33] * † ‡ NORTH STAFFORDSHIRE UNIV. COLL. Limited number (not exceeding 3) of *Research Studentships* available. Value £250 p.a.; tenable for 1 yr. with possible extension for 2nd yr. Available to graduates of any Univ., for res. work in Arts, Social Studies and Experimental Sciences Depts. Applications to Registrar not later than June 30 for following academic yr.

[34] 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 £300 p.a. with remission of appropriate fees. Applications to Registrar not later than July 1.

* † ‡ (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. Applications to Registrar not later than May 1.

* † ‡ (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.

[35] † NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Dominion Travelling Fellowships*. For Australia, Canada, New Zealand and S. Africa, the subjects are Medicine, Natural and Social Sciences, and Humanities. For Ceylon, India and Pakistan, the subjects vary from year to year. The awards are to enable qualified men and women to obtain in the U.K. such postgraduate training as will assist them to become teachers and research workers in their particular field on return to their own Dominion. Award includes cost of travelling to and from Gt. Britain. Tenable for 1 yr.

Further particulars 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. R. E. Corbett, Dept. of Chemistry, Univ. of Otago, Dunedin. *Pakistan*—A. R. Khan, Esq., Education Ministry, Govt. of Pakistan, Karachi. *S. Africa*—Dr. S. P. Jackson, Dept. of Geography, Univ. of the Witwatersrand, Johannesburg.

[36] * † ‡ OXFORD UNIV.: CHRIST CHURCH. *Lectureships*. The Governing Body may and (if the funds at its disposal permit) will offer in each yr. at least one Lectureship open to persons qualified to engage in original research. Such Lecturers shall be appointed, subject to the condition that they shall undertake to perform some definite literary or scientific work in the House or in the University or (with the permission of the House) elsewhere, for a period of two yrs., and may be

reappointed for further periods up to a maximum total of five yrs. The emoluments are £450 p.a. Further particulars from the Senior Censor.

[37] 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. Not vacant before 1955.

* † ‡ (ii) *Research Scholarship*, value £60, open in alternate years to women graduates of any Univ., awarded for 1 yr. in first instance, with possibility of renewal for a 2nd yr.

* † ‡ (iii) *Susette Taylor Fellowship* for independent study abroad. Value £150, open to women graduates of any Univ., with preference for Oxford. Awarded in first instance for 1 yr., with possible extension. Tenure from Sept. 1. Applications by beginning of Jan.

For (i), (ii) and (iii) above there is a personal interview with the Selection Cttee. for short-listed candidates.

[38] * † ‡ OXFORD UNIV.: ST. ANTONY'S COLL. *Postgraduate Scholarships*. One or more scholarships of £400 each p.a. awarded for 2 yrs. to men graduates. Scholars are required to work for one of the degrees D.Phil., B.Litt. Residence in Oxford during term is necessary. Further particulars from the Sr. Tutor.

[39] * † 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.

[40] ‡ OXFORD UNIV.: SOMERVILLE COLL. *Lady Carlisle Research Fellowship*, present value £300 p.a. with board and residence for 5 yrs., renewable up to 10 yrs. Open only to women of European race and to naturalized Jewesses who are unmarried or widows. Last award 1951.

[41] READING UNIV. * † ‡ (i) *Research Fellowships*, value £600 p.a., tenable, subject to annual review, for 3 yrs. Open to Univ. graduates who have had previous training in research to standard normally required for Ph.D. degree. Tenable in any of the Facs. of the Univ.

* † ‡ (ii) *Huntley and Palmer's Agricultural Research Fellowship*, value and conditions as for Research Fellowships (*see* (i) *above*) except that available only for research in Faculty of Agriculture and Horticulture.

Further particulars from Registrar.

[42] † ‡ RHODES TRUST. *Scholarships* to enable students from the British Dominions (36) and U.S.A. (32) who have been selected for qualities of intellect and character, to study at the Univ. of Oxford for an honours or research degree. Value, £500 p.a. each; tenable for 2 yrs. at Oxford and renewable for a 3rd yr. at Oxford or, in special cases, elsewhere, but not in the scholar's own country. Open to male candidates, unmarried and between the ages of 19 and 25, who are citizens of the country from which they come and who have at least

2 yrs.' standing at a regular degree-granting Coll. or Univ. *See also* pp. 460-461.

Further particulars from the Secretary to the Trustees, 36 Beaumont Street, Oxford.

[43] * † ‡ 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. 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.*

[44] * † ‡ ROYAL EMPIRE SOCIETY. *Annual grants* from a small fund are made to facilitate the publication of original monographs, of not more than 60,000-80,000 words, embodying results of research conducted into some matter of importance relating to the Commonwealth overseas or some associated subject. The research may be concerned with any appropriate subject, whether in political, natural, or economic science or in the field of literature. Candidates should not be more than 35 yrs. of age on Dec. 31 in the year of application.

Further particulars from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

[45] ROYAL SOCIETY OF CANADA. † (i) *Research Fellowships* of maximum value of $2500 each are awarded annually to Canadians who have done advanced work in any branch of Science or Literature. Normally tenable outside Canada only. Open to men and women on equal terms, whose age does not exceed 32 yrs. Except in very special cases, candidates must have Ph.D. or equivalent.

† (ii) *Pre-doctoral Fellowships* of $1500 each in the Humanities also available.

Further particulars from the Secretary, Fellowships Board, Royal Society of Canada, The Public Archives, Ottawa, Canada.

[46] † SERVICES CANTEENS TRUST FUND. *Postgraduate Scholarship.* Awarded annually for study overseas to a graduate of any Australian Univ. whose father or mother served in the Australian Forces during the 1939–45 War. Value, £A. 800 p.a. Tenable at any Univ. overseas for a period of up to 3 yrs. Applications to be lodged with General Secretary, Services Canteens Trust Fund, Victoria Barracks, St. Kilda Road, Melbourne, Australia, before Nov. 1 each yr.

[47] * † ‡ 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.

[48] * † ‡ SOUTHAMPTON UNIV. (i) A limited number of awards are made by the Univ. for postgraduate research : (*a*) *Postgraduate Scholarships* of £100 p.a. (supplemented by the Ministry of Education). (*b*) *Grants* not exceeding £260 p.a. These are given in exceptional circumstances only. All awards are tenable for 2 yrs. subject to satisfactory reports and in special cases may be renewed for a third yr.

Applicants must provide the Univ. Research Cttee. with full information as to the nature of the research proposed, and furnish, at the end of the academic yr., a report embodying an account of progress made in the work undertaken. Last day for applications, June 1. Further particulars from Academic Registrar.

(ii) *Esso Research Studentship.* One studentship, endowed by Esso Petroleum Co., Ltd., awarded annually in dept. of Chemistry, provided candidates of sufficient merit present themselves. Tenable for 1 yr. in first instance ; normally renewable for 2nd yr. if student's work is satisfactory, and in exceptional circumstances for 3rd yr. Value (1954–55), £350 p.a. Candidates must have good Univ. degree with Chem. as principal subject, and definitely be preparing to enter petroleum or chemical industry. Application to Professor of Chemistry before May 1.

## 2. AGRICULTURE, VETERINARY SCIENCE, ETC.

[49] * † AGRICULTURAL RESEARCH COUNCIL, Cunard Building, 15 Regent St., London, S.W.1.

(i) *Training Grants* and *Research Studentships* in Agricultural Science and in Animal Health. To enable students to take postgraduate training either in some aspect of science not adequately covered in their curricula or in the methods of research in subjects with which they have already been concerned; opportunities also provided for science graduates to obtain a veterinary professional qualification with a view to undertaking research into problems of animal health. Training provided, usually at Univs. or Research Institutions in Great Britain, although primarily directed to research, is also suitable for those who wish to obtain certain specialized appointments in Agricultural Advisory Services. Candidates should be graduates with Hons. in Science or possess an equivalent qualification or a veterinary qualification. Nominations will be considered of candidates who are about to sit for, or who are awaiting the result of, their final examination. Value varies from £250-£350 p.a., free of Income Tax ; an additional allowance may be made to candidates having 2 or more yrs. postgraduate research experience and to candidates with veterinary or medial qualifications and postgraduate experience. Fees compulsorily incurred and other approved expenses will also be paid.

Applications are usually considered in the Spring, but may be considered at any time.

(ii) *Junior Agricultural Research Fellowships.* Limited number offered to provide opportunities for research workers of outstanding ability to continue their investigations and widen their experience in subjects relating to agriculture. Candidates must hold an Hons.

degree in Science or a degree in Agriculture and should have completed not less than 3 yrs.' postgraduate study and/or research. Value £600 p.a.; tenable for maximum of 3 yrs.

(iii) *Veterinary Clinical Fellowships.* 2 offered annually to enable suitably qualified veterinary clinicians and pathologists of Ph.D. standing to continue research for 2 or 3 yrs. Tenable for 1 yr. in first instance and may be renewed up to maximum of 3 yrs. Value, £850 p.a. Compulsory fees and approved travel expenses also paid.

(iv) *Special research grants* for specific investigations are made by the Council direct to Univs., Research Institutes and other recognized bodies. In exceptional circumstances, assistance from this source to individual experimental research workers would be considered.

All the above-mentioned awards are open to British subjects only.

Further particulars from the Secretary of the Council.

[50] * † ‡ ANIMAL HEALTH TRUST. (i) *Wellcome Fellowships* for research work in any branch of veterinary science. Tenable for 1 to 3 yrs. Annual value, £600, and occasionally more.

(ii) *Baxter Memorial Fellowship* for research work in connexion with the dairy cow. Value, £500 p.a.

(iii) *A. D. Allen Memorial Scholarship* for work in connexion with diseases of bovines. Value, £340 p.a.

(iv) *Trust Research Training Scholarship.* Value, £340 p.a. together with certain essential fees for extra postgraduate training or for research work in connexion with research degrees.

Occasionally the Trust helps students with special grants to enable them to go overseas or to help them with research in Gt. Britain.

Further particulars from the General Secretary, 232-235 Abbey House, Victoria Street, London, S.W.1.

[51] * † ‡ EMPIRE COTTON GROWING CORPORATION, 12 Chantrey House, Eccleston Street, London, S.W.1. *Postgraduate Studentships.* Open to male graduates who have completed National Service, for specialized training in such subjects as plant breeding, physiology, pathology and genetics, entomology and soil science. Normally tenable for one year at some selected Univ. or Scientific Institution in the U.K. or alternatively at a Research Station in Africa. The value of a studentship in the United Kingdom is not less than £25 per month plus approved fees, and extra allowances to married students. Tenure of a studentship is the normal preliminary to appointment to the Corporation's staff abroad.

[52] * † LONDON UNIV.: WYE COLL., WYE, NR. ASHFORD, KENT. *May and Baker Research Fellowship,* £400 p.a., renewable for a maximum period of 3 yrs., tenable in the Department of Physical Sciences. Open to graduates of Univs. in Gt. Britain, Ireland or of British Univs. overseas. The holder must be prepared to carry out research in a field of Agricultural Chemistry approved by the Head of the Department.

Further particulars from the Registrar.

[53] * † ‡ MANCHESTER UNIV. *Philip Buckle Research Scholarship* in Agric. Zool. Offered at such times as funds permit, normally £300, renewable for 2nd yr. Normally tenable at the above. Open to

graduates of British Univs. or other candidates possessing required qualifications, with preference to Science graduates of the Univ. Due notice will be given of the next offer.

Further particulars from the Registrar.

[54] * MINISTRY OF AGRICULTURE AND FISHERIES AND DEPT. OF AGRICULTURE FOR SCOTLAND. *Postgraduate Scholarships* for training in a wide range of agricultural and horticultural subjects, *e.g.* animal and crop husbandry, dairying, poultry-keeping, horticulture, agricultural and dairy engineering, agricultural economics and statistics. Normal value, £300-£350 p.a. plus payment of certain fees. Candidates must be British subjects resident in the U.K. On completion of period of tenure of Scholp. students are expected to undertake experimental, research, advisory or statistical work in Gt. Britain. Awards generally made in Spring or early Summer of each yr. to commence on Oct. 1.

Further particulars from the Secretary, Ministry of Agriculture and Fisheries, 1-4 Cambridge Terrace, Regent's Park, London, N.W.1, by candidates resident in England, Wales or Northern Ireland; or from the Secretary, Dept. of Agriculture for Scotland, St. Andrew's House, Edinburgh, 1, by candidates resident in Scotland.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General [34].

* † ‡ READING UNIV. *Huntley and Palmer's Agricultural Research Fellowship, see under* General [41].

[55] * UNITED DAIRIES, LTD., 34 Palace Court, London, W.2. One *Travelling or Research Scholarship* for study in a subject closely connected with dairying or dairy farming, tenable at home or abroad. Open to Univ. graduates and other persons with exceptional qualifications who are the sons and daughters of those who have been or are farmers or smallholders resident in Cornwall, Devon, Dorset or Somerset. The value is determined in each individual case.

Further particulars from the Hon. Secretary, United Dairies Scholp. Fund.

[56] * WALES, UNIV. OF: BANGOR UNIV. COLL. *John Roberts Jones Scholarship* to pursue a postgraduate course of one or two yrs.' duration in Agricultural subjects. Value £55, renewable for second yr. Open to Science graduates of British Univs. Preference to candidates born in Anglesey or N. Wales. Applications to Registrar not later than May 15 each yr.

## 3. APPLIED SCIENCE AND TECHNOLOGY

[57] * † 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.

[58] * † ‡ BIRMINGHAM UNIV. (i) *Anglo-American Studentship* in Chemical Engineering. Open to candidates with Univ. degree, with Chemistry or Engineering as principal subject, and some industrial experience in Chemical Engineering. Normally tenable for 1 yr. £350 and remission of tuition fees. Renewable for a further yr. at £400.

(ii) *Research Studentship* in Oil Engineering and Refining, £240 p.a., and remission of tuition fees, tenable at Birmingham, renewable annually for not more than 3 further yrs. with increase of £20 p.a. to maximum of £300. Candidates must possess a Univ. degree or equivalent in Science. Preference to those with industrial lab. experience. Offered every alternate yr. Next award will probably be made in 1954.

(iii) *Research Scholarships* in Chemical Engineering and Petroleum Production. Two or more annually; £220-£260 and remission of tuition and examination fees. Renewable. Open to graduates (or equivalent) in Science, preference to those with industrial experience.

Further particulars from the Registrar.

[59] * † 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.

[60] COURTAULDS' SCIENTIFIC AND EDUCATIONAL TRUST FUND. * † ‡ (i) *Postgraduate Research Scholarships* in Textile Technology. Value, £300 p.a. for 2 yrs. Tenable at Univ. of Leeds and Univ. of Manchester (Municipal Coll. of Technol.) or other approved educational establishments. Announced annually in the Press. Awards made in April of each year. Applications by mid-Feb. to the Secretary, Courtaulds' Scientific and Educational Trust Fund, 16 St. Martin's-le-Grand, London, E.C.1.

* † ‡ (ii) *Postgraduate Research Scholarships* in branches of Science and Technology, *see under* Science (General) [237].

[61] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Coke Research Fellowship*, £350 for 1 yr., tenable at King's College. Open to graduates of any Univ. qualified for the prosecution of postgraduate research in a subject connected with the Coking Industry. Preference given to candidates who have signified their intention of entering the Coking Industry or, in the absence of such a candidate, to a person

qualified for some other branch of the Fuel Industry. Applications to Registrar not later than May 1 in each year.

* GLASGOW UNIV. *English Electric Research Fellowship* in Aeronautics, *see under* Aeronautics [149].

[62] LEEDS UNIV. * † ‡ (i) *Fellowships* (£200) and *Scholarships* (£190 to £220 with fees) instituted by the Clothworkers' Company for research in Textiles and Colour Chemistry, open to graduates of any Univ. Tenable for 1 yr. and renewable. Applications received up to June 1.

* † ‡ (ii) *Gas Research Fellowship*, £325 p.a., open to qualified candidate, with preference to one intending to enter the coal-gas industry. Tenable for 1 yr. and renewable. Award made in June, 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*. £450-£600 p.a. for research in a subject of interest to the Light Leather Industry. Open to graduates of Univs. in the British Commonwealth or U.S.A. Tenable for 3 yrs. in the Dept. of Leather Industries in the Univ.

* † ‡ (x) *Dean Scholarships*, *see under* Econ. and Sociol. [130].

* † ‡ (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.

* † ‡ (xiii) *Sandoz Research Scholarship.* £300 p.a., open only to male graduates for research in textile chemistry and in its application to the problems of the Dyeing Industry. Preference to grads. of Leeds Univ., but consideration given to any Hons. grad. exceptionally qualified for res. in the field indicated. Tenable for 1 yr. Applications by May 1.

* † ‡ (xiv) *Textile Chemistry Research Fellowship.* £200 p.a., for study of chemistry of animal fibres in the textile chemistry laboratory of the Univ. Tenable for 2 yrs. in the first instance. Applications before June 1.

Further particulars in each case from the Registrar.

[63] * † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. (i) *North Thames Gas Research Fellowship,* £400. (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, subjects, or in Chemical Engineering, at a British Univ., and must be willing to train for a responsible post in the gas industry. Candidates with equivalent qualifications considered.

* † ‡ (iii) *Royal Dutch Shell Studentship* in Geophysics. £400 p.a. for 2 yrs. for training in geophysical prospecting as applied to the search for oil. Candidates should have either an Hons. degree in Geology with Maths. and Physics at the Inter. or an Hons. degree in Physics, and must be fit for work abroad.

Further particulars from the Registrar.

* † ‡ MANCHESTER UNIV. *Maclaren Cotton Industry Research Scholarship. See* Econ. and Sociol. [134].

[64] * † ‡ 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 [34].

[65] 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.

[66] SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. * † ‡ (i) *Salters' Scholarship*, value £350-£500 p.a. (plus Univ. fees) according to circumstances, for a graduate with an Honours degree in Chemistry, Biochemistry, Physics or Engineering for the purpose of receiving full-time instruction in the principles of Chemical Engineering or further experience by research in Chemistry in order to be better qualified to enter the Chemical Industry. Applications may be made at any time during the yr, and may be made before graduation.

* † ‡ (ii) *Salters' Fellowship*, value £600 p.a. (plus Univ. fees and with F.S.S.U. benefit), for a graduate with the curriculum described under *Salters' Scholarship* above, in order that the appointed Fellow may obtain special training in Industrial Chemistry and contribute to the improvement of processes and products of Industry by research in the field of the chemical sciences (including Chemical Engineering).

Applications to the Clerk of the Salters' Company, Salters' Institute of Industrial Chemistry, 36 Portland Place, London, W.1.

[67] 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* [290].

Further particulars in each case from the Registrar.

[68] † SHELL COMPANY OF AUSTRALIA, LTD. *Postgraduate Scholarships.* 2 awarded annually to graduates of Australian Univs. Value, £750 stg. p.a. Tenable at Oxford, Cambridge, or London, or at such other Univ. in the U.K. as may be indicated by the specialized nature of studies which the scholar intends to follow, with the object of obtaining the Ph.D. or a higher degree. Tenable for 2 yrs. normally but may be varied, in exceptional personal or academic circumstances, to cover 1 to 3 yrs.' study. Applicants must be men under 25 yrs. and British subjects who have read as a major subject Chemistry, Physics, Geology or Geophysics, or taken their degrees in Engineering or Chemical Engineering at an Australian Univ. The holder may be offered, without obligation to accept, a position with the Shell Petroleum Company in England or overseas. Applications to be lodged with own Registrar.

Similar awards are made by the Shell Company of South Africa, Ltd., and the Shell Company of New Zealand, Ltd. Each company awards 2 scholps. annually.

[69] * † ‡ TEXTILE MACHINERY MAKERS, LTD., 60 Huddersfield Road, Oldham. The Sir Walter Preston Scholarship and Fellowship Trust:

(i) *Postgraduate Scholarships.* Value £300-£350 p.a. for 1 to 3 yrs. Candidates must have obtained Honours degree in Science.

(ii) *Research Fellowships.* Value £400-£550 p.a. for 1 to 4 yrs.

Candidates must have obtained M.Sc. (Tech.) or be a graduate of a Univ. with an appropriate Hons. degree and have some experience in research.

Application to the Secretary at above address.

[70] * † ‡ 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)

[71] * † ‡ 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 £400.

Further details from the Secretary.

[72] * † ‡ CAMBRIDGE UNIV.: CORPUS CHRISTI COLL. *Donaldson Studentship*. Annual value not more than £100, tenable for 3 yrs., open to graduates of any Univ. Successful candidate must read for Cambridge Ph.D. in an Arts subject. Further information from the Tutor.

[73] * † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*. Normally offered once in 3 yrs., to encourage advanced study and research in the Arts and Humanities, including all or any of the following: Painting, Sculpture, Architecture, Literature, Music, Drama, the Fine Arts (including Hist. of Fine Arts), Æsthetics and allied branches of Philosophy, Archæology. Value about £350 p.a., together with the usual privileges of a College Fellowship. Tenure, 3 yrs. in first instance. Next offer 1956. Further particulars from the Master.

[74] * † ‡ 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.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowship, see under* General [13].

[75] * † ‡ 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 [18].

[76] * † ‡ GLASGOW UNIV. *Scholarships* for Advanced Study in Arts £300 p.a. tenable for 2 yrs. Open to graduates of a recognized Univ. of Class I or II Hons. standing who propose to undertake advanced

study in Arts in the Univ. of Glasgow. Further particulars from Registrar.

* † ‡ HARVARD UNIV. *Frank Knox Memorial Foundation, see* Appendix III [336].

[77] * † ‡ HULL UNIV. COLL. *Research Studentships* 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.

[78] † HUMANITIES RESEARCH COUNCIL OF CANADA. *Fellowships.* Value, $500-$1500. Open to graduates in the Humanities from any Canadian Univ. Preference to those who have already completed 2 yrs.' postgraduate work. Tenable at any approved institution. Further particulars from the Secretary, Humanities Research Council of Canada, Island Park Drive, Ottawa, Canada.

* † LEICESTER UNIV. COLL. *Research Scholarships* and *Postgraduate Studentships, see under* General [25].

[79] LONDON UNIV. : WARBURG INSTITUTE, South Kensington, S.W.7. * † ‡ (i) *Senior Research Fellowship.* £600 p.a. for 3 yrs. Research in the History of the Classical Tradition in Art, Literature, Religion, etc., and allied fields. Candidates must have higher degree (M.A. or Ph.D.), should have had teaching and research experience, should speak English, German, French or Italian, and know Latin. Applications to the Director, at above address, not later than April 15.

* † ‡ (ii) *Junior Research Fellowship,* £275 p.a. for 2 yrs. Candidates must have degree in Humanities. Award primarily intended for candidates for a higher degree in Univ. of London (M.A. or Ph.D.), other particulars as above. Applications to the Director not later than April 15.

[80] * † ‡ 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.

* † ‡ NORTH STAFFORDSHIRE UNIV. COLL. *Research Studentships, see under* General [33].

[81] * † ‡ NOTTINGHAM UNIV. (i) *Postgraduate Studentships* and *Research Fellowships, see under* General [34].

(ii) *Arts Research Scholarship,* £50 p.a. for 1 or 2 yrs. Approved for award of State Scholp. (*see* [32]). 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 [35].

† ROYAL SOCIETY OF CANADA. *Pre-doctoral Fellowships* in the Humanities, *see under* General [45].

[82] * † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES have announced particulars of *Postgraduate Studentships* in Oriental, Slavonic, East European and African studies, to be awarded to men and women intending to follow a career of teaching and research in these studies in the U.K.

With exceptions where specially recommended, candidates must hold a first-class honours degree of a Univ. within the British Commonwealth. Candidates must have firm prospects of academic employment after their training period. Awards will not ordinarily be made to candidates under 21 or over 27 yrs. of age. The period of the studentships is from 3 to 6 yrs., of which at least a third should be spent in the country to which the studies relate. There is normally a probationary period of about a yr. in which the student receives maintenance allowance. The maximum annual rate of this allowance for unmarried students is £300 for Oxford, Cambridge, and London Univs. and £260 elsewhere. The rates are increased for married students. On the successful completion of the probationary period the student is granted senior studentship allowance at annual rates varying from £440 to £500. Allowances are also given to meet the additional cost of residence in foreign countries, and free passages are provided. Necessary Univ. and College fees are met throughout the period of the studentship.

Further particulars from the Secretary, Treasury Committee for Studentships, The Treasury, Whitehall, London, S.W.1.

## 5. **ARTS** (Special Subjects)

### *Anthropology*

[83] * † ‡ 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.

[84] * † ‡ 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.

[85] * † ‡ 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.

[86] * † 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) [82].

## *Architecture, Art and Archæology*

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [73].

* † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Archæology, *see* Anthropology [83].

[87] * † ‡ LEEDS UNIV. *Harold Tetley Postgraduate Studentship* in the History of Art in Yorkshire, value £200 p.a., tenable for 2 yrs.

[88] * † ‡ 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 1954.

For further particulars apply to the Secretary.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics [93].

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships* in History of Art, etc. *See under* Arts (General) [79].

[89] † PILKINGTON GLASS, LTD. *Travelling Scholarship* in Architecture, for postgraduate study at Univ. of Liverpool or the Architectural Association, London. Annual value, $1500, plus travelling expenses to and from England. Open to fifth-yr. students from École des Beaux-Arts de Montréal, McGill Univ., Univ. of Toronto, Univ. of Manitoba. Further information from Registrar of the candidate's Univ.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [82].

## *Classics*

[90] CAMBRIDGE UNIV. *Sir Perceval Maitland Laurence's Bequest.* Grants may be made for the furtherance of classical studies. Further particulars from Secretary, Faculty Board of Classics, Christ's College, Cambridge.

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [73].

[91] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *M. M. Dunlop Scholarship* for research in any subject, preferably in Classics, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates

of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

[92] * 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.

[93] * † ‡ 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.

[94] * † ‡ 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) [82].

## *English*

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [73].

[95] * † ‡ 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. Applications to Academic Registrar, Univ. of London, Senate House, London, W.C.1.

## *Geography*

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General) [240].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [82].

## *History*

[96] * † CAMBRIDGE UNIV. *Holland Rose Studentship* in History, £150 p.a. for 1 yr. with possibility of re-election for a 2nd yr., tenable at Cambridge. Open to male graduates of Univs. within the British Commonwealth. Applications to The Registrary by June 11.

[97] * CAMBRIDGE UNIV.: GIRTON COLL. *Graduate Scholarship* for Historical Research, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of United Kingdom Universities. Offered

from time to time. Closing date usually May 20. Further particulars from College Secretary.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *See under* General [14].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas)*. *See under* General [21].

* † ‡ LONDON MUSEUM. *Leverhulme Research Studentship, see under* Architecture, Art and Archæology [88].

[98] 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. Candidates placed on the short list are required to attend for interview.

Applications, on the prescribed form, should reach the Secretary before May 1 in each year.

* † ‡ (ii) *Lindley Studentship*, value £100 plus, in certain circumstances, a Ministry of Education 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 for next award as for (i) before Oct. 30, 1956.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics [93].

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social or Economic History, *see under* Economics and Sociology [133].

[99] 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) [79].

[100] MANCHESTER UNIV. * † ‡ (i) *Edmund Roscoe Postgraduate Scholarship*, £50 for 1 yr., renewable for a 2nd yr., normally tenable at the above. Open to persons of British nationality who have studied Hist. in any Univ. or Univ. Coll. Offered alternately with the Pickles

postgraduate studentship. Next offer 1954. 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 1954. 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. [137].

* † ‡ SHEFFIELD UNIV. *Knoop Research Fellowship* in Economic History, *see under* Economics and Sociology [138].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [82].

[101] * † ‡ WALES, UNIV. OF: BANGOR UNIV. COLL. *Lloyd George Research Scholarship* for research in the history of Wales. Annual value about £70, renewable for 2nd yr. Preference to graduates of Univ. of Wales. Applications to Registrar not later than May 15 each yr.

## *International Relations*

[102] * † ‡ 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*

[103] CAMBRIDGE UNIV. * † ‡ (i) *F. W. Maitland Memorial Fund.* (Annual income about £100.) Grants may be made to any person engaged in any research in the History of Law or of Legal Language or Institutions, or for delivery of lectures, publication of works, etc., connected with these subjects. Further particulars from the Secretary, Faculty Board of Law, Squire Law Library, Cambridge.

* † ‡ (ii) *Whewell Scholarships* in International Law, one at least annually, not exceeding £50, for 2, with possible extension to 3, yrs., tenable at Cambridge. Open to men and women graduates of any Univ. who are under 25. Applications to the Secretary of the Council, Trinity College, by March 1.

* † ‡ (iii) *Humanitarian Trust Studentship* in Public International Law. Candidates must be under 32 yrs. of age and must produce evidence that they have obtained or are likely to obtain, before the end of the academical year of their candidature, a degree or diploma at a Univ. or Coll. in the British Commonwealth and Empire, the U.S.A., the Continent of Europe, the U.S.S.R., at the Hebrew Univ. of Jerusalem, or at any other Univ. or Coll. approved by the Electors. They must also produce evidence of their fitness to engage in advanced study. The student shall pursue a course of study under the supervision of the

Whewell Prof. Value £400 p.a. Travelling expenses from overseas may be paid. Further particulars of this Studentship from the Secretary, Faculty Board of Law, Squire Law Library, Cambridge, to whom applications should be sent. Closing date for applications for last award, Jan. 1, 1954.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowship* in Scots Law, £300: *Scholarship*, £200. *See under* General [14].

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, *see under* General [18].

[104] * 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.

[105] * 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.

[106] 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 Heads of Colleges. By the terms of the Harmsworth Trust, the Heads of Colleges, 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 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*. 3 may be awarded

annually in March or April. Carry remission of admission fees, deposits, and call fees. Candidates must be British subjects, intend to practise at the Bar in England or Wales and be under 25. Applns. to Under-Treasurer before Feb. 1 on forms obtainable from Treasury Office, Middle Temple, London, E.C.4.

## *Librarianship*

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Professional Fellowship, see under* [13].

[107] * † ‡ 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) [230].

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship, see under* Science, General [234].

[108] * † ‡ CAMBRIDGE UNIV.: GIRTON COLLEGE. *M. T. Meyer Studentship* for research in Maths., or for a course of advanced study leading up to such research, value £15-£60, tenable for 1 yr. at Girton. Usually open to graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General) [240].

* GLASGOW UNIV. *Ferguson Scholarships, see under* Arts (Special Subjects)—Classics [92].

[109] * † ‡ 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.

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships. See under* Applied Science and Technology [69].

## *Modern Languages*

[110] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Maria Degani Scholarship* for research in Italian, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *See under* General [14].

[111] * 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.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Classics [93].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [82].

## *Music*

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [73].

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General [18].

* GLASGOW UNIV. *McCaig Scholarship, see under* Arts (Special Subjects)—Modern Languages [111].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarship* in Music, *see* Appendix III [357].

## *Oriental and African Studies*

[112] * GLASGOW UNIV. *Maclean Scholarship* in Semitic Languages. Open to matriculated students of any Scottish Univ. who are graduates in Arts and have completed the prescribed course in Theology for the Ministry of the Church of Scotland. Value £400 for 1 yr. The Scholar is required to spend 6 months in a country where Arabic is spoken and during the remaining 6 months to follow a prescribed course of study. Applications to the Registrar before May 1. Next award 1955.

[113] * † ‡ 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.

[114] LONDON UNIV.: SCHOOL OF ORIENTAL AND AFRICAN STUDIES. * † ‡ (i) *Forlong Scholarships*, maximum value £150, and/or *Exhibitions*, maximum value £50 p.a.; sometimes but not normally renewable; tenable at the School in any branch of Oriental Studies. Candidates must be persons of other than Asiatic origin. The number and amount of the awards are dependent on the funds available.

* † (ii) *Governing Body Postgraduate Exhibitions*, value £40, tenable

for one session with possibility of renewal. Maximum of 4 Exhibitioners at any one time. Candidates must be of European origin.

Further particulars from Secretary of School, University of London, London, W.C.1.

[115] * † ‡ 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.

[116] * † 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.

[117] * † 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.

[118] * † ‡ OXFORD UNIV.: WORCESTER COLL. *Laycock Studentship* in Egyptology, value £200 p.a. For the purpose of encouraging the study of Egyptology or other cognate oriental linguistic subjects. Next vacancy, 1954.

[119] * † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES have announced particulars of *Postgraduate Studentships* in Oriental, Slavonic, East European, and African Studies, to be awarded to men and women intending to follow a career of teaching and research in these studies in the U.K.

With exceptions where specially recommended, candidates must hold a first-class honours degree of a University within the British Commonwealth. Candidates must have firm prospects of academic employment after their training period. Awards will not ordinarily be made to candidates under 21 or over 27 years of age.

For additional information *see under* Arts (General) [82]. Further particulars from the Secretary, Treasury Committee for Studentships, The Treasury, Whitehall, London, S.W.1.

## *Philosophy and Psychology*

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship, see under* Arts (General) [73].

[120] 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 [92].

[121] * † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Susan Stebbing Studentship* in Philosophy, £100, normally tenable at Bedford Coll. Awarded every 2 or 3 yrs. as funds permit. Open to graduates of any Univ. Last award 1952.

Further particulars from the Registrar.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [82].

## 6. DENTISTRY

[122] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Parker Brewis Dental Research Fellowship*. Amount of award at discretion of Council of College. Open to graduates and licentiates in Dental Surg. who undertake to carry out research in dental subjects in the Sutherland Dental Sch. Further particulars from, and applicns. to, Dean of Dental Sch. before July 1.

[123] * † ‡ LONDON UNIV.: ROYAL DENTAL HOSP. OF LONDON. *Clinical and Research Assistantship* in Depts. of Periodontology and Pathology. Annual tenure up to maximum period of 3 yrs. Further particulars from School Secretary.

[124] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Dental Fellowships* for training selected men and women with dental qualifications in pure and applied Science, and to enable selected graduates in Medicine and Science to qualify for teaching and research on dental health and disease, tenable for 1-3 yrs.; award includes cost of travelling abroad. Open to graduates of U.K. Univs. who hold dental qualifications or Univ. degrees in Medicine or Science.

Further particulars from the Secretary.

## 7. ECONOMICS AND SOCIOLOGY

[125] * † ‡ BELFAST, THE QUEEN'S UNIV. *Lockheed Employees' Studentship* in Social Studies, £50 for 1 yr. Open to graduates of Belfast or of another approved Univ. who propose to enter upon the course for the Diploma in Social Studies. Applications to the Director of Social Studies by June 20.

[126] * † ‡ CAMBRIDGE UNIV. *Research Studentship* in Economics; value not less than £150 nor more than £400 p.a. Open to graduates, or

persons about to become graduates, of any Univ. other than Cambridge. Awarded from time to time as funds permit. Applications to the Secretary, Board of Research Studies, by Nov. 1.

[127] * † ‡ CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Kenward Research Fellowship* for research in Industrial Administration, not less than £500 p.a. with accommodation in Coll. and appropriate allowances, normally tenable for 3 yrs. Open to graduates of Univs. within the British Commonwealth and the United States of America.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowship, see under* [13].

[128] † CANADIAN SOCIAL SCIENCE COUNCIL. *Research Fellowships.* Value, $750-$1500. Candidates must have completed 1 yr. of post-graduate work and preferably 2. Open to graduates in the Social Sciences from any Canadian Univ. Tenable at any approved institution. Further particulars from the Secretary, Social Science Research Council, 166 Marlborough Ave., Ottawa, Canada.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND, *see under* General [14].

[129] * † ‡ HOUBLON-NORMAN FUND. *Fellowship 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. Not restricted to graduates. Tenable for 1 yr. but renewable for a 2nd yr. Value varies according to individual circumstances. Further particulars and application forms from the Secretary of the Fund, c/o The Bank of England, London, E.C.2.

* † ‡ HULL UNIV. COLL. *Research Studentships, see under* General [20].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas), see under* General [21].

[130] * † ‡ 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 [25].

[131] 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.

[132] * † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Lady Huggins Scholarship* in Sociology, value approx. £120, open to graduates of any Univ., normally tenable at Bedford Coll. Awarded from time to time as funds permit. Last award 1952.

Further particulars from the Registrar.

[133] * † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, Houghton Street, Aldwych, London, W.C.2. The following awards are open to graduates of any Univ.: (i) Two *Research Studentships*, £250 p.a., for full-time study, and (ii) one *Leverhulme Research Studentship*, £50 p.a., plus tuition fees, and supplemented in the case of full-time students by a maintenance grant of not more than £200 p.a.

Both (i) and (ii) are tenable at the School for 1 yr., for the execution of original work in the field of the social sciences, but (i) may be extended for a 2nd yr. Applications should reach the Registrar by Sept. 6 of each year.

(iii) A limited number of *Bursaries* equivalent to full fees to assist postgraduate students to proceed with research work at the School. Candidates are required to show evidence of financial need. Applications should reach the Registrar by Sept. 6 of each year.

(iv) A *Studentship* for women, £75 p.a., tenable for 2 yrs., offered biennially for full-time study at the School for the execution of original work, preferably in Economic History. Next award in 1954.

(v) An *Eileen Power Studentship*, £300 p.a. for 1 yr., awarded biennially by the Eileen Power Studentship Trust for the study of some subject in Social or Economic History in a country other than the candidate's native land. Last award in March 1954. Applications should be forwarded to the Chairman of the Trustees at the School.

(vi) *Rees Jeffreys Studentship* in Transport of the value of at least £250 for 1 yr., may be awarded annually. Applications should reach the Registrar by Sept. 6 of each year.

(vii) A *Research Studentship* for Overseas Students, not exceeding £250 p.a. for 1 yr., will be awarded annually to enable a student from overseas to continue research already begun at the School. The award is made during the Summer Term for the ensuing session.

Final selection for all awards is by competitive interview in the United Kingdom.

Further particulars of these awards from the Registrar.

[134] MANCHESTER UNIV. * † ‡ (i) *Simon Research Fellowships*. One or more offered annually for full-time advanced study or research in the Social Sciences. Available in two grades, Research Fellowships, £700-£1100 p.a., or Senior Research Fellowships, £1150-£1500 p.a. Applicants for Sr. Research Fellowships should be of 10 or more yrs. standing from their first degree. The Fellowships may be held wholly

or partly in Manchester or may be used for travelling to any part of the world. Applications by March 1.

* † ‡ (ii) *Research Studentships* in Economic and Social Studies. Offered annually for competition by candidates who hold at time of election the degree of Bachelor or Master of any approved Univ. and tenable for 1 yr. with possible extension for a further 2 yrs. Value normally £250 in 1st yr. and £300 in 2nd and 3rd yrs., but graduates who have undertaken at least 1 yr.'s postgraduate research may be awarded a Studentship for 2 yrs. at £300 p.a. Holders are required to pursue full-time research in a subject within the purview of the Faculty of Economic and Social Studies, but may be asked to undertake a limited amount of teaching in the Univ.

* † ‡ (iii) *Drummond-Fraser Research Fellowship* in Econ. and Commerce. £100 for 1 yr. Open to graduates of any approved Univ. Offered annually. Applns. by June 1.

* † ‡ (iv) *Jevons Studentship*, £120 for 1 yr., for investigation of some economic problem connected with the industries of Lancashire. Open to graduates of any Univ. Offered in every 6th yr. Next offer 1954. Applns. by June 15.

* † ‡ (v) *Maclaren Cotton Industry Research Scholarship*, £100 for 1 yr. Open to graduates of not more than 3 yrs.' standing, for encouragement of research in a subject bearing upon the cotton industry. Preference to graduates of Manchester. Last date for applns., June 1 in the yr. of award. Next offer 1955.

Further particulars from the Registrar.

* † ‡ NORTH STAFFORDSHIRE UNIV. COLL. *Research Studentships' see under* General [33].

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General [34].

[135] NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. † (i) *Dominion Travelling Fellowships. See under* General [35].

* (ii) *Sociological Scholarships and Bursaries.* To enable selected persons who have graduated in other academic subjects, especially Pure and Applied Science and Maths., but not in the Social Sciences, Psychology or Economics, 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 max. of 3 yrs. Normal value of scholp., £500-£600 p.a. plus fees; of bursary, £350 p.a. plus fees. Applicns. by May 1. Further particulars from Secretary at above address.

[136] * † ‡ OXFORD UNIV.: NUFFIELD COLL. *Postgraduate Studentships.* Open to men and women graduates for res. in Social Studies. Awarded in first instance for 1 yr., but may be extended for further yr. Financial assistance may be granted to Students without other resources. Students as a rule are required to work for one of the res. degrees, D.Phil., B.Litt. or B.Sc.; permission may be given to work for the degree of B.Phil. Residence in Oxford during term is normally required. Studentships are usually taken up in Oct.; applicns., to the Warden, in May.

[137] * 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.

[138] * † ‡ 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) [82].

## 8. EDUCATION

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Professional Fellowship, see under* General [13].

* † ‡ LONDON UNIV. *Leon Fellowship* for research, *see under* Economics and Sociology [131].

[139] LONDON UNIV.: INSTITUTE OF EDUCATION. † (i) *Fellowships* tenable at Univ. of London, Inst. of Education. About £550 for 1 yr. For teachers and educationists, likely in due course to occupy influential positions in the educational services of their respective Dominions. For 1953–54, 1954–55 and probably later yrs., two each for Australia, Canada, India, New Zealand, Pakistan, South Africa, and one for Ceylon. Financed by Imperial Relations Trust; Govts. of New South Wales, Tasmania, Victoria, Western Australia, Ceylon, India and Pakistan; Univ. of New Zealand; Mr. Garfield Weston; Book Publishers Branch of the Toronto Board of Trade. Applications to Department of Education, Committee of Vice-Chancellors, or comparable body in the Dominion concerned.

* † (ii) *Susan Isaacs Research Fellowship*, tenable at the Univ. of London, Inst. of Education. £300 for 1 yr. Awarded triennially to experienced teachers for research in the education of young children.

[140] 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.

[141] * MINISTRY OF EDUCATION, Teachers' Branch, 36-38 Berkeley Square, London, W.1. A number of special 1-yr. courses planned to provide advanced work in particular fields of education and intended to equip teachers of experience for more responsible posts are provided at certain Univs. and other training institutions. Admission is, in

general, limited to qualified teachers of not less than 5 yrs.' teaching service, who are specially selected for their teaching ability and for their capacity to benefit from such a course. A special rate of grant, which is announced in an Administrative Memorandum issued annually by the Ministry, is available for these courses. Teachers should apply to their Local Education Authority for further particulars.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships* and *Research Fellowships, see under* General [34].

## 9. ENGINEERING (General)

[142] * † ‡ 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 [59].

[143] * † CAMBRIDGE UNIV. *Rex Moir Studentship* in Engineering, about £300 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. Forms of application and further particulars from the Secretary, Dept. of Engineering Degree Cttee., Faculty of Engineering.

* † CAMBRIDGE UNIV. : ST. CATHARINE'S COLL. *Permutit Senior Studentship. See under* Science (Special Subjects)—Chemistry [274].

* † ‡ COURTAULDS' SCIENTIFIC AND EDUCATIONAL TRUST FUND. *Postgraduate Research Scholarships* in certain branches of Science and Technology, *see under* Science (General) [237].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [233].

[144] * † ‡ LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Postgraduate Bursaries* in Engineering, value £300-£400 p.a. plus fees, according to circumstances, for courses of study (not research) in Civil Engineering (Hydraulics, Structures and Materials, Soil Mechanics), Mechanical Engineering (Thermodynamics), Electrical Engineering (Communications, Electronics, Machines and Power), Chemical Engineering. Candidates must have spent at least 1 yr. away from their Univs. since graduation. Further particulars from Registrar.

[145] 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. Applns. not later than June 20 in the year of award. Next offer 1954.

Further particulars from the Registrar.

[146] * 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 (4d.) from H.M. Stationery Office, Kingsway, London, W.C.2.

* † ‡ ROYAL SOCIETY. *Warren Fellowships, see* Science (General) [254].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Engineering, etc., *see* Appendix III [357].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Engineering, *see under* Science (General) [239].

[147] † 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.

[148] * † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships* in (*a*) Engineering and (*b*) Metallurgy, £450 to £600 p.a., tenable for 1 yr. but may be renewed for a 2nd yr. at the Coll. in *either* the Dept. of Engineering *or* the Dept. of Metallurgy. Candidates should have qualifications in Maths., Physics, Chem., Engin., or Metallurgy. Further particulars from Registrar, Swansea University College, Singleton Park, Swansea.

## 10. ENGINEERING (Special Branches)

### *Aeronautics*

[149] * GLASGOW UNIV. *English Electric Research Fellowship* in Aeronautics, £500, tenable for 1 yr. Open to graduates in Engineering

or Applied Science with experience in aircraft engineering practice. Further particulars from Registrar.

[150] * † ‡ LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *English Electric Company Studentship.* £500 p.a. for research in Aeronautics. Awarded normally for 1 yr. Candidates must have obtained good Hons. degree in Engineering, Aeronautics, Physics or Maths. Election is advertised.

[151] * † ‡ ROYAL AERONAUTICAL SOCIETY, 4 Hamilton Place, London, W.1. (i) *Royal Aeronautical Society Charter Scholarship.* One or more scholps. may be awarded annually to assist students wishing to undertake advanced work or study in aeronautics. Value up to £300 p.a., tenable for 1 yr. with possibility of renewal for a 2nd yr.

(ii) *Busk Studentship* for research in Aeronautics. Value, not less than £165 p.a.; tenable for 1 yr. with possible renewal for 2nd yr. Open to British subjects (not of Asiatic or African descent) under 25 yrs. of age. Tenable at home or abroad subject to Trustees' approval. Applications to be received by the end of May.

Further particulars from the Secretary of the Society.

* ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *See under* Naval Architecture and Marine Engineering [162].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Aeronautics, etc. *See* Appendix III [357].

## *Agricultural Engineering*

[152] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Harry Ferguson Scholarship,* £250 p.a., tenable for 2 yrs. Open to graduates in Agric. or Mech. Engineering who have already fulfilled, or have been finally exempted from, Military Service obligations. Scholarship 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. Available for award every other yr.; next available in 1954.

Applications to Registrar not later than July 15 in each year.

## *Chemical Engineering*

*See* Science (Special Subjects) [267]-[272]

## *Civil Engineering*

[153] * † ‡ LEEDS UNIV. *Cement and Concrete Association Scholarships.* For research in Civil Engineering, £190-£200 p.a., with fees, tenable in the Univ. for 2 yrs. Open to suitably qualified graduates of any Univ. Applications should reach the Registrar by June 1.

[154] LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. * † (i) *Concrete Technology Bursaries,* tenable for 1 yr., renewable for 2nd yr. Value, £350 (amount may be increased for those with industrial experience). Open to graduates in Engineering of a

British Univ. 1 or 2 Sr. Bursaries of £600 p.a. may be awarded to outstanding men with at least 3 yrs.' industrial experience. Further particulars from Deputy Registrar, City and Guilds Coll., Exhibition Road, London, S.W.7.

* † (ii) *Hydro-Power Bursaries.* 6 Bursaries of £250 p.a. tenable for 1 yr., provided by English Electric Co. Ltd. Open to graduates in Engineering of a British Univ. Further particulars from Deputy Registrar, City and Guilds Coll., Exhibition Road, London, S.W.7.

* † ‡ (iii) *Postgraduate Bursaries* in Engineering, *see under* Engineering, General [144].

## *Electrical Engineering*

[155] * † BIRMINGHAM UNIV. *General Electric Company Research Studentship* in Electrical Engineering, £300 p.a. with remission of tuition and membership fees for 1 yr., renewable, tenable in the Dept. of Electrical Engineering. Candidates should be graduates of a British Univ. and should have adequate experience in an electrical undertaking.

Further particulars from the Registrar.

[156] * INSTITUTION OF ELECTRICAL ENGINEERS, Savoy Place, London, W.C.2. *Research Scholarships.* The following are normally offered for award each yr. : (i) *Ferranti Scholarship,* £500 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,* £420 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. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Postgraduate Bursaries* in Engineering, *see under* Engineering, General [144].

[157] * † ‡ 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.

[158] * † ‡ MANCHESTER UNIV. *John Phythian Research Scholarship* in Electrical Engineering. £40 p.a., tenable for 1 yr., renewable for 2nd yr. Applications by June 20. Next offer 1954.

## *Mechanical Engineering*

[159] BIRMINGHAM UNIV. * † (i) *Jas. Watt Fellowship* in Mech. Engin., £450, tenable for 1 yr. in the Dept. of Mech. Engin., renewable.

Candidates should be Hons. graduates in Engin. of a British Univ. Preference to those who have had at least 1 yr.'s experience of postgrad. research.

* † ‡ (ii) *J. L. Norton Memorial Studentship*, £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.

[160] * GLASGOW UNIV. *Postgraduate Scholarships* in Mechanical Engineering, £300 with possible upward adjustment according to age and experience. Remission of fees. Tenure 1 yr. Primarily intended for postgraduate study of the Theory and Practice of Heat Engines and allied subjects. Further particulars from Registrar.

[160A] * † ‡ INSTITUTION OF MECHANICAL ENGINEERS, Storey's Gate, St. James's Park, London, S.W.1. *Clayton Fellowships*, £300-£600 in value, normally 1 yr. in duration; open to grads. in civil, mech. or electr. engin. of certain Univs.; awarded for either (*a*) special experience in industry, either in Britain or abroad, or (*b*) postgraduate studies or research in mechanical engineering. Candidates should be at least 23 years of age, have passed the Institution's Examination, or have obtained exemption from it, and should preferably be members of the Institution in any class. Applications to Secretary before May 11.

* † ‡ LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Postgraduate Bursaries* in Engineering, *see under* Engin., General [144].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships. See under* Applied Science and Technology [69].

## *Mining and Mining Engineering*

[161] * † ‡ LEEDS UNIV. *Hugh Wood Memorial Fellowship*, £650 p.a., open to graduates of Univs. within the British Commonwealth or U.S.A., for full-time research in the Dept. of Mining of Leeds Univ. Tenable for 3 yrs. Further particulars from Registrar.

* † ‡ ROYAL SOCIETY. *Tyndall Research Fund, see* Science (General) [254].

## *Naval Architecture and Marine Engineering*

[162] INSTITUTION OF NAVAL ARCHITECTS, 10 Upper Belgrave Street, London, S.W.1. * (i) *Sir William White Postgraduate Scholarship* (part-time) in Naval Architecture (incl. Shipbuilding and Marine Engin.), £150 p.a. for 2 yrs., awarded biennially. Other professional work may be carried on concurrently. Open to British students under 30 yrs. of age who have attained distinction at either the R.N. Coll., Imperial Coll. (City and Guilds Engin. Coll.), Glasgow Univ., King's Coll., Newcastle upon Tyne, and have had practical experience in shipbuilding or marine engin. work. Holder required to engage in research work at some approved institution, at home or abroad, where special facilities are available for advanced study in Naval Architecture and

Marine Engineering. Nominations are made by the governing bodies of the above instns. to the Council of the Instn. of N.A.

* † ‡ (ii) *Aluminium Development Association Research Scholarship* in the application of light alloys to ship construction. £400 p.a. for 2 yrs., awarded biennially. Open to graduates in Applied Science of an approved Univ., and preferably under 30 yrs. of age, who comply with the conditions for admission to the Institution of Naval Architects. Holder required to pursue research at some approved institution, Univ., shipyard or works. Forms of application available from the Secretary, Institution of Naval Architects.

* (iii) *Froude Research Scholarship in Naval Architecture.* This scholarship of the annual value of £500, tenable for 2 yrs. 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 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

[163] * † ‡ DEVELOPMENT COMMISSIONERS, 6A Dean's Yard, Westminster, London, S.W.1. *Postgraduate Training Grants* in Fishery Research are offered in association with the Ministry of Agriculture and Fisheries and the Scottish Home Dept. Intended to enable selected candidates to undergo a specified course of training to fit them for the investigation of problems in marine or freshwater science. The awards do not carry with them any guarantee of subsequent employment in connexion with fishery research, nor do they entail any obligation to accept such employment; but the training which students will receive

should fit them for employment either in the Fishery Research Services of the Ministry of Agriculture and Fisheries and the Scottish Home Dept. or in a Marine or Freshwater Biological Research Institute. Applications, to be submitted by a senior member of the candidate's Dept. in the Univ., should be received by the Development Commission, usually in the Spring. The number of Training Grants awarded annually will not exceed 3. Both men and women are eligible to apply, although women are unsuitable for employment in the marine research services of the Ministry of Agriculture and Fisheries and the Scottish Home Dept., which involve sea-going duties. Opportunities for the employment of women may arise, however, in certain of the Marine or Freshwater Biological Institutes.

Candidates must be *British* subjects and graduates with Hons. in Science of a Univ. or possess equivalent qualifications. Value depends on the centre at which training is undertaken, but normally not less than £250 or more than £350 p.a., free of income tax, plus certain allowances. Tenable from 1 to 3 yrs.; renewable annually.

Further particulars 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.

[164] * 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.

[165] * † 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)

[166] * † 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.

[167] † ADAMS MEMORIAL TRUST. *Travelling Fellowships* (4). Annual value, about £500. Tenable for 1 yr. but may be extended for further period. Candidates must be South African graduates in Medicine or Medical Science and they must have shown promise of being likely to benefit from further study, research and experience in other countries. Further particulars from The Trustees, The South African Association for the Administration of Estates, 6 Church Sq., Cape Town, South Africa, to whom applications must be sent by Nov. 24 in each yr.

* † ‡ ASSOCIATION OF SURGEONS OF GT. BRITAIN AND IRELAND. *Moynihan Prize. See under* Prizes—Surgery [322].

[168] * † ‡ 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 in any Univ. approved by the Trustees in the Dominions (incl. India and Pakistan), Protectorates and Mandated Territories, and the Republic of Ireland; also to women who have passed the examns. which would have entitled them to take any such degree. Tenable 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 June 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—Lister Institute, Chelsea Bridge Road, London, S.W.1.

[169] * BRITISH MEDICAL ASSOCIATION, British Medical Association House, Tavistock Sq., London, W.C.1. (i) *The Ernest Hart Memorial Scholarship*, (ii) *The Walter Dixon Memorial Scholarship*. The value of each not more than £250.

Each Scholarship is tenable for 1 yr. commencing Oct. 1. Present scholars may apply for reappointment, but no scholp. can be held for more than 3 yrs. Open to candidate recommended by the Science Committee as qualified to undertake research in any subject (incl. State Med.) relating to the causation, prevention or treatment of disease. Preference given to members of med. profession. A scholar is not necessarily required to devote the whole of his or her time to the work of research, but may be a member of H.M. Forces or may hold a jr. appt. at a Univ., Med. Sch. or Hosp., provided the duties of such appt. will not, in the opinion of the Science Cttee., interfere with his work as a scholar. Any scholp. may be held concurrently.

Applications for either of the above to be made on prescribed form to be obtained from the Secretary. Closing date for receipt of applications is March 31.

[170] CAMBRIDGE UNIV. * † (i) *Elmore Medical Research Studentships*. Open to male graduates of any Univ. born at any place within the Commonwealth other than Scotland, for research in Medicine, tenable at Cambridge or, with leave, elsewhere, normally for 2 yrs. but may be renewed. Annual value determined by the Board of Managers in each case—£400-£650 if unmarried; £600-£850 if married. Further particulars from the Regius Professor of Physic, Dept. of Medicine, Univ. of Cambridge.

* † ‡ (ii) *Gwynaeth Pretty Research Studentship*, of £250 for 3 yrs., for research in the ætiology, pathology or treatment of disease with particular reference to diseases which disable in childhood or early life,

tenable at Cambridge, exceptionally elsewhere. Offered triennially or as casual vacancies occur. Open to graduates of any Univ. Further particulars from the Professor of Pathology, Dept. of Pathology, Univ. of Cambridge.

* † ‡ (iii) *John Lucas Walker Studentship*, not exceeding £500 a yr., for original research in Pathology. Normally tenable for 3 yrs., but may be renewed for a second period not exceeding 2 yrs. Open candidature, but students must become members of Cambridge Univ. Place of studies to be approved. Further particulars from the Professor of Pathology, Dept. of Pathology, Univ. of Cambridge.

* † ‡ (iv) *Pinsent-Darwin Studentship*, value about £250 p.a., for original research in Mental Pathology. Normally tenable for 3 yrs., but may be renewed. Open candidature, but students must become members of Cambridge Univ. Tenable at Cambridge or, with leave, elsewhere. Further particulars from the Secretary, Pinsent-Darwin Studentship, Psychological Laboratory, Univ. of Cambridge.

* † ‡ (v) Trainee posts in the clinical pathological depts. of Addenbrooke's Hospital, Cambridge, under the control of the Professors of Pathol. and Biochem., offer a 2 yrs.' course of training in all the aspects of clin. pathol., post-mortem work, histol. and chem. pathol. Remuneration at the rates laid down for Registrars under the N.H.S. Act. Further particulars from the Professors of Pathology and Biochemistry, Univ. of Cambridge.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND, *see under* General [14].

[171] * † ‡ 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.

[172] * † ‡ EDINBURGH UNIV. (i) *Richard Brown Scholarship, see under* General [18].

(ii) *Whaitt Research Scholarship* for research in a branch of Medicine specified by the Univ., £250 for 1 yr. plus research expenses allowance not exceeding £50, renewable for a 2nd yr., tenable at the Univ. Open to graduates of any approved Univ. or licentiates of an approved Coll.

(iii) *Wilkie Scholarships*. 3 Scholps. of £100, or 2 of £150, or one of £350, for one yr. (with possible extension for a 2nd yr.); awarded by the Faculty on the recommendation of the Prof. of Surgery to graduates in Medicine of any Univ., or to licentiates in Medicine of any licensing body, or to graduates in Arts or Science of any Univ. A preference is given to suitable graduates of the Univ. of Edinburgh. The holders must carry out approved research in Surgery in approved places.

Further particulars from the Secretary of the Univ.

[173] GROCERS' COMPANY. *Scholarship.* Under review. Apply for information to the Clerk, Grocers' Hall, Princes Street, London, E.C.2.

[174] * † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION, Central Office, 2 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 preclinical or clinical branches of Medicine, Surgery or Dentistry at Univs. or other centres in the U.K. (excluding London) and abroad. Open to British subjects with registrable medical or dental qualifications who are holding appointments or are engaged in postgraduate study at undergraduate or postgraduate Teaching Hospitals, Medical or Dental Schools of the Univ. of London. Tenable for 1 yr. Fellows' basic maintenance allowance, £750 p.a. There are additional allowances for Fellows working abroad, and home maintenance allowances for married Fellows. Certain travelling allowances are also made. Further particulars from the Asst. Director.

[175] * † ‡ 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.

[176] * † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Wiltshire Memorial Research Scholarship.* Intended to encourage research in Cardiology in its widest aspect and may be held for the purpose of travel and study abroad. Open to Registered Medical Practitioners. Tenable for one yr.; but may be renewed. Part- or full-time. Value, £400. Further particulars from the Secretary.

[177] * † ‡ LONDON UNIV.: ROYAL FREE HOSPITAL SCHOOL OF MEDICINE, 8 Hunter Street, London, W.C.1. *Dr. Edith Pechey Phipson Postgraduate Scholarship* in Medicine. £95 for 1 yr. with possible renewal for 2 further yrs. Tenable at any institution approved by the Trustees. Open to all medical women, with preference to those from, or going to work in, India or Pakistan. Forms of application to be obtained from, and returned by Feb. 1 each yr. to, the Warden and Secretary at the above address.

[178] * † ‡ LONDON UNIV.: ST. MARY'S HOSPITAL MEDICAL SCHOOL, Norfolk Place, Paddington, W.2. *Medical Research Fellowships* (3) for postgraduate medical research, £500 for 1 yr., in any of the preclinical or clinical depts. Open to registered medical practitioners. Applications by April 30 to the Secretary.

[179] * MCCUNN TRUST. *Medical Research Scholarships* for higher study and original research in Medicine and allied subjects, £400 p.a., tenable for 1 yr. or more at an approved institution at home or abroad; and *Travelling Scholarships* of £100 p.a. tenable for such period less than a yr. as the Trustees may approve. 4 Scholps. will be available each yr., of which at least 1 will be a Res. Scholp and at least 1 a Travelling Scholp. The other 2 may be of either class. Open to graduates in

Medicine of not more than 5 yrs.' standing in a Scottish Univ. Forms of application to be obtained from, and returned by Sept. 1. each yr. to, Mitchells, Johnston & Co., Solicitors, 160 West George Street, Glasgow, C.2.

[180] MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, London, 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 scientific or technical assistance, or for expenses necessarily incurred in the prosecution of the approved researches.

* (ii) The Council also award *Scholarships* to enable young medical or science graduates of special promise to receive whole-time training in research methods under suitable direction in recognized institutions. Standard maintenance allowance £300-£350 p.a.; for more senior candidates £400-£500 p.a.

* (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.

[181] NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. * (i) *Medical Fellowships.* Open to citizens of the United Kingdom (usually aged 25-35) holding Univ. degrees in Medicine registrable in the U.K., and M.R.C.P. or F.R.C.S. diploma, who wish to train further for sr. appointments in teaching or research. Tenable anywhere, from 1 to 3 yrs. Value £900-£1300 p.a. and travelling expenses.

Further particulars from the Secretary.

† (ii) *Dominion Travelling Fellowships, see under* General [35].

[182] OXFORD UNIV. † (i) *Nuffield Foundation Dominions Demonstratorships and Clinical Assistantships.* Open to graduates of the Universities of Adelaide, Melbourne, Queensland and Sydney, Australia; New Zealand; Cape Town, Pretoria and Witwatersrand, South Africa. Appointments to be made by the Univ. of Oxford on the nomination of the candidate's Univ. Further particulars from Registrar of candidate's Univ.

* † (ii) *Medical Scholarships.* Open to members of Univs. in U.K., Canada, Australia, New Zealand and S. Africa, to read for B.M. degree or equivalent degree of own Univ. and complete clinical studies at Oxford. Value £250-£350 p.a. for from 3 to 5 yrs. Travelling expenses

for Dominion scholars. Not confined to graduates. Further particulars from Secretary of Medical School.

[183] * ROYAL COLL. OF PHYSICIANS, 9 Queen St., Edinburgh 2. (i) *Freeland Barbour Fellowship*, value about £100, awarded biennially; last award July 1952. Open to licentiates or graduates in Medicine carrying on research in any laboratory or research dept. connected with medical science, preference being given to research connected with obstetrics and gynæcology.

(ii) *Lister Fellowship*, value about £100, awarded biennially. Open to licentiates or graduates in Med. carrying on research in any laboratory or research dept. connected with medical science, preference being given to research in Bacteriology.

(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.

[184] ROYAL COLL. OF PHYSICIANS OF LONDON, Pall Mall East, London, S.W.1. * † (i) *Leverhulme Research Scholarship*, tenable for from 1 to 3 yrs. at any institution, preferably in the U.K., where full facilities for research are available.

Open to British subjects.

* † ‡ (ii) *Streatfeild Scholarship*, awarded jointly with the Royal College of Surgeons, for from 1 to 3 yrs., for research in Medicine or Surgery, tenable at an approved institution.

Open to qualified applicants of any nationality.

* † ‡ (iii) *Saltwell Research Fellowships*, approx. £1000 p.a., tenable for from 1 to 3 yrs. at an approved institution for research of any type, including clinical, epidemiological or laboratory studies in connexion with cancer, rheumatism, malaria or morbid conditions of the prostate gland.

Open to qualified applicants of any nationality.

* † (iv) *Will Edmonds Clinical Research Fellowship*, for clinical research on any disease usually treated in a general hospital (excluding tropical or rare diseases), tenable for from 1 to 5 yrs., in a general hospital in the metropolitan area of London.

Open to registered medical practitioners of the British Commonwealth who are not engaged in private practice.

Further particulars from the Assistant Registrar.

[185] * † ROYAL COLL. OF PHYSICIANS OF LONDON AND ROYAL COLL. OF SURGEONS OF ENGLAND. *Mackenzie Mackinnon Research Fellowship* for scientific medical investigation in any laboratory approved by the joint committee. Tenable for 1-3 yrs. Open to holders of med. qualification registrable in Gt. Britain or Ireland, or of a Univ. degree, nominated by a Med. School. Application to Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

[186] ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. * † ‡ (i) *Sir Arthur Sims Commonwealth Travelling Professorship*, £2000 p.a. One or two Commonwealth Professors will be appointed annually and will generally be prominent physicians, surgeons

or scientific workers resident in Gt. Britain or in Australia or New Zealand. A distinguished teacher from one of the other Dominions may be elected. He will be required to travel from the country where he is normally resident to Gt. Britain, or to Australia and N.Z., or to any other Dominion of the British Commonwealth, for the purpose of assisting in the advancement of medical science either by lecturing, teaching or engaging in research.

It is the hope of the donor, Sir Arthur Sims of Christchurch, N.Z., that the institution of the Professorship will not only lead to the establishment of closer links between scientific workers in the Dominions and in the older seats of learning and centres of research, but that the people of all nations will benefit.

The appointment is made by the Royal Coll. of Surgeons of England on the nomination of the President, who is Chairman of an Advisory Board consisting of the Presidents of the Royal Coll. of Physicians of London, the Royal Coll. of Surgeons of England, the Royal Australasian Coll. of Physicians, the Royal Australasian Coll. of Surgeons, and the Royal Coll. of Physicians and Surgeons of Canada.

* † (ii) *Leverhulme Research Scholarships* (2), £800 p.a. plus £200 for expenses, for research in some biological or clinical problems of disease in man, either at the Buckston Browne Surgical Research Farm, Downe, Kent, or at the Coll. Laboratories, tenable for 1 yr., renewable. Open to British subjects holding a med. qualification registrable in the U.K. or a Univ. degree.

* † (iii) *Mackenzie Mackinnon Research Fellowship*, awarded jointly with the Royal Coll. of Physicians, for scientific medical investigation in any laboratory approved by the joint committee, tenable for 1-3 yrs. Open to holders of a med. qualification registrable in the U.K., or of a Univ. degree, who are nominated by a medical school.

Further particulars in each case from the Secretary.

[187] Royal Society. * † ‡ (i) *Henry Head Research Fellowship*. For medical research. £1000-£1500 p.a. for 2 yrs. in first instance, renewable for such periods as Council may determine, not normally exceeding 5 yrs.

Further particulars from the Asst. Secretary, The Royal Society, Burlington House, London, W.1.

(ii) *Foulerton Research Fund, E. Alan Johnston, Lawrence and Moseley Research Fellowship* and *Stothert Research Fellowship*, *see under* Science (General) [254].

[188] 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 gynæcology. 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.

[189] SHEFFIELD UNIV. * † ‡ (i) *J. G. Graves Medical Research Fellowship*, £1300 p.a., tenable for 3 yrs. with possibility of renewal for not more than 2 yrs., for full-time original research in any branch of Medicine approved by the Faculty of Medicine and carried out in one of the departments of the Univ. or in a teaching hospital associated with it. Open to graduates of any recognized Univ.

* † ‡ (ii) *John Stokes Research Fellowship*. Value £500 p.a., tenable for 3 yrs. with possibility of renewal for 2 yrs., for full-time research in one of the depts. of the Univ. Medical School or in a teaching hospital associated with the Univ. A candidate need not hold a registrable medical qualification.

Further particulars from the Registrar.

## 13. MEDICINE AND SURGERY (Special Subjects)

### *Anatomy*

[190] * † ‡ 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 [193].

[191] ‡ LIVERPOOL UNIV. *John W. Garrett International Fellowship* in Bacteriol., about £400 for 1 yr., offered annually, renewable for 2nd yr. Failing a candidate in Bacteriol., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Univs. and Med. Schools in the U.S.A., and of other foreign Schools. In default of such candidates, graduates in Med. (Liv.) and graduates in Sci. of approved Univs. are eligible. Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or in other institutions approved by the Fac. of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 27.

[192] * † LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. *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) [183].

## *Biochemistry*

*See* Science (Special Subjects) [259]-[261].

## *Cancer*

[193] * † 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.

[194] * † BRITISH EMPIRE CANCER CAMPAIGN. 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 1952 these grants totalled over £180,000. It has also recently created Fellowships of 4 types: *Senior* (up to 7 yrs.' tenure in U.K., commencing at £2000 p.a.); *Intermediate* (up to 5 yrs.' tenure in U.K., commencing at £1500 p.a.); *Junior* (up to 3 yrs.' tenure in U.K., commencing at £1000 p.a.); and *Exchange* (1 yr.'s tenure in U.S. or Canada at $4000 plus cost of travel). Vacancies announced as they occur. Further particulars from the Secretary-General of the Campaign, 11 Grosvenor Crescent, Hyde Park Corner, London, S.W.1.

[195] * † LEEDS UNIV. *Cancer Research Fellowships* given through Yorkshire Council of the British Empire Cancer Campaign. 4 in number, value not exceeding £500. Tenable in the Univ. of Leeds for 1, 2 or 3 yrs., renewable. Vacancies announced as they occur.

[196] * † ‡ 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.

[197] * † ‡ MANCHESTER UNIV. *Pilkington Fellowship* in cancer research, £300 p.a., renewable for 2nd yr. or more, normally tenable at

the above. Open to graduates in Med. or Surg. of any approved Univ. or Med. School, or to members or Fellows of the R. Colls. of Surgeons of England, Edinburgh or Ireland, or Licentiates, Members or Fellows of the R. Colls. of Physicians of London, Edinburgh or Ireland. Applns. by June 30.

Further particulars from the Registrar.

[198] * † ‡ ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *Prophit Studentships* (2), £800 p.a., with a possible additional grant of £200 towards expenses, are awarded by Special Trustees on the recommendation of the Royal Coll. for research in cancer at any approved institution; tenable in the first instance for 1 yr., renewable up to a maximum of 5 yrs. Open to qualified graduates of any Univ.

Further particulars from the Secretary.

## *Cardiology*

* † ‡ LONDON UNIV.: KING'S COLL. HOSP. MED. SCH. *Wiltshire Memorial Research Scholarship, see under* Medicine and Surgery (General) [176].

## *Diseases of Children*

[199] * † ‡ 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. Applications, stating academic career and subject of proposed investigation, to be sent to the Dean of the Fac. of Med. not later than June 27.

[200] * † ‡ 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 1954. Last day of entry, June 27.

Further particulars from the Registrar.

## *Neurology and Psychiatry*

[201] * † ‡ 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.

[202] * † ‡ LONDON UNIV.: GUY'S HOSPITAL MEDICAL SCHOOL. *Sir Alfred Fripp Memorial Fellowship* for research in Child Psychology. Open to candidates not more than 35 yrs. of age. £250 p.a., tenable for 2 yrs. Applications invited by advertisement when Fellowship vacant.

[203] * † ‡ LONDON UNIV.: INSTITUTE OF NEUROLOGY. *Research Scholarship* available at The National Hospital, Queen Sq. Annual value, £1200. Further particulars from Secretary, Jt. Research Advisory Committee, Institute of Neurology, The National Hospital, Queen Square, London, W.C.1.

[204] * † ‡ 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 1954. Applications not later than June 1.

Further particulars from the Registrar.

[205] 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.

[206] * † ‡ OXFORD UNIV. *Betty Brooks Research Fellowship.* For 3 yrs. at £500-£850 p.a., to further the study of problems of brain metabolism in relation to nervous and mental disease, the Fellow to work mainly in the Dept. of Biochemistry, but to keep in touch with the relevant clinical work, especially in the Nuffield Dept. of Surgery. The Fellow to be apptd. by the Board of the Faculty of Medicine on the recommendation of the Whitley Professor of Biochemistry.

## *Obstetrics and Gynæcology*

[207] * † ‡ WALES, UNIV. OF: WELSH NATIONAL SCHOOL OF MEDICINE. *Ewen Maclean Research Scholarship* in Obstetrics and Gynæcology, £150 for 1 yr., tenable at the Welsh National School of Medicine. Open to graduates of any approved Univ. or qualified med. practitioner. Applications to the University Registry, Cathays Park, Cardiff.

## *Ophthalmology*

[208] * † 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.

[209] * † ROYAL COLLEGE OF SURGEONS OF ENGLAND. *Sir William Lister Award in Ophthalmology* endowed in 1948 by Lady Lister in memory of her husband, Sir Wm. Tindall Lister. A travelling scholarship available to any British ophthalmologist; awarded triennially by the College and Moorfields, Westminster and Central Eye Hospital. Further particulars from Secretary, Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2.

## *Orthopædic Surgery*

[210] * † LONDON UNIV.: GUY'S HOSPITAL MEDICAL SCHOOL. *Lambrinudi Memorial Scholarship* for postgraduate study, or travel or research work in Orthopædic Surgery. Value, £100. Awarded once every 3 yrs. to a candidate who has held the post of Orthopædic Registrar in a Teaching Hospital in Gt. Britain or in the British Dominions or in other parts of the British Commonwealth. Applications invited by advertisement when Fellowship vacant.

[211] * † ‡ ROYAL COLL. OF SURGEONS and UNIV. OF LIVERPOOL and LIVERPOOL MEDICAL INSTITUTION. *Robert Jones Travelling Research Fellowship* in Orthopædic Surgery, £300 p.a., tenable for 1 yr., of which a part must be spent abroad; awarded once every 4 yrs. alternately by (*a*) the Univ. of Liverpool and the Liverpool Medical Institution jointly, and (*b*) the Royal Coll. of Surgeons of England.

Further particulars from the Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

## *Oto-Rhino-Laryngology*

[212] * † ‡ 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*

[213] * † ‡ LIVERPOOL UNIV. (i) *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.

(ii) *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 [193].

[214] * † 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.

[215] 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. Further particulars from the Professor of Pathology, Dept. of Pathology.

* † ‡ (ii) *Pinsent-Darwin Studentship* in Mental Pathology, about £250 for 3 yrs. Conditions as for (i) above. Further particulars from the Secretary, Pinsent-Darwin Studentship, Psychological Laboratory.

* † ‡ LADY TATA MEMORIAL TRUST grants, fellowships and scholarships. *See under* Science (General) [244].

[216] * † ‡ 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.

[217] LONDON UNIV. * † ‡ (i) *Charles Graham Medical Research Fund.* A Scholarship in Pathology, value not exceeding £400 p.a. for 2 yrs., is awarded from time to time "to enable a young man to continue his pathological researches, and at the same time to secure his services to the School of Advanced Medical Studies connected with Univ. College Hospl. as a Teacher under the direction of the Prof. of Pathology." Applicants should give names of 3 referees, including a Teacher of the Univ. or Coll. in which he has conducted his studies in Pathology. The Scholar is required to undertake teaching as well as research work. Applications to the Academic Registrar.

* † ‡ (ii) *John Marshall Fellowship* in Surgical Pathology, tenable in conjunction with Whait Research Fellowship at Univ. Coll. Hospl. Medical School in Graham Research Dept.; combined value £900 p.a. plus F.S.S.U. benefits, for 2 yrs., renewable for 1 further yr. For research and surgical pathology work in Hospl. Awarded by Univ. on nomination of Medical School. Enquiries to Dean of U.C.H.M.S.

[218] * † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Cowburn Research Fellowship.* Awarded for furtherance of research in Pathology, Bacteriology, Morbid Anatomy or allied subjects. Tenable at King's Coll. Hosp. Med. Sch. Value, ordinarily not less than £1000. Candidates need not be medically qualified. Tenable for period up to 3 yrs.; may be extended under exceptional circumstances. Further particulars from the Dean.

[219] * † ‡ OXFORD UNIV. *Philip Walker Studentship* for research in Pathology, £250 p.a., tenable for 5 yrs. Open to graduates of any Univ. Last award 1951. Further particulars from Prof. of Pathology.

[220] * † ‡ SOCIETY OF APOTHECARIES OF LONDON. *Gillson Scholarship* for the encouragement of original research in any branch of Pathology, £500, tenable at an approved institution. Awarded triennially; next award in 1955. Open to candidates under 35 yrs. of age who (*a*) are either Licentiates or Freemen of the Society, or (*b*) obtain the Licence or the Freedom within 6 mos. of election to the scholarship.

Further particulars from the Registrar, Apothecaries' Hall, Black Friars Lane, Queen Victoria St., London, E.C.4.

## *Physiology* (v. also [301], [302])

[221] * † ‡ LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. *Berridge Studentship* in Physiology of £100 p.a. for 2 yrs. Candidates, who may be graduates of any Univ., must submit not later than June 30 a statement giving the plan of work they intend to pursue and the amount of time to be devoted to it. They must also give references to their previous training and capacity for research, and, if appointed, take up the studentship in the following Oct.

The award will, if the holder is otherwise eligible, be supplemented by the Ministry of Education to the value of a State Scholarship.

Further particulars from the Registrar.

[222] * † ‡ MANCHESTER UNIV. *Sybil Mary Pilkington Fellowship* for research into diseases of the blood with particular reference to the causation, treatment and cure of leukæmia in man. £700 p.a., renewable for 2nd yr. or more, normally tenable at the above. Open to persons who have obtained a medical qualification registrable in the U.K., the Dominions or any other country. Last date for applications, June 1. Offered when funds permit.

Further particulars from the Registrar.

* † ‡ ROYAL SOCIETY. *Locke Research Fellowship. See under* Science (General) [254].

## *Preventive Medicine*

[223] * † ‡ 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. Applications to Dean, London School of Hygiene and Tropical Medicine, Keppel St., London, W.C.1.

[224] * † ‡ LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1. (i) *Chadwick Bursary*, to encourage the study of Sanitary Science or Municipal Engineering. The recipients will be awarded a place in the course of study for the Academic Postgraduate Diploma in Public Health. Value £56 : 14s. Not awarded annually.

(ii) *Elliston Scholarships*. 2 Scholps., tenable at the L.S.H.T.M., may be offered for the session 1954–55 at the discretion of the School's Board of Management. Value £150 each with free tuition. Applicants must be registered medical practitioners who are engaged in or intend to enter the British local government public health service.

Further particulars may be obtained from the Assistant Dean.

[225] 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 qualifcn. Next offer 1954. Applications by June 1.

* † ‡ (ii) *Dr. Robert Angus Smith Scholarship*, £150 for 1 yr., renewable, normally tenable at the above. For encouragement of research in Sanitary Science. Next offer 1954. Last date for applns., June 1.

Further particulars from the Registrar.

## *Tropical Medicine and Hygiene*

[226] LONDON UNIV.: LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.1.

* † ‡ (i) *Wandsworth Scholarship*, of varying amounts, plus overseas allowance, for research in Trop. Med. and Hygiene, for 1, 2 or 3 yrs. Preference given to a British subject.

* † ‡ (ii) *Tropical Diseases Research Fund*. This fund exists for the purpose of research work at home or abroad by the School in connexion with investigation into tropical diseases. Capital £30,000; income available about £900 p.a. Grants both of capital and income are applied to specific research in trop. diseases from time to time.

* † ‡ (iii) *Edward John Stanley Memorial Fund*. 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 £65 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. *Ridgway Research Scholarship, see under* Medicine (Special)—Diseases of Children [199].

[227] * † ‡ WALES, UNIV. OF: WELSH NATIONAL SCHOOL OF MEDICINE. *Cecil Prosser Research Scholarship* in Tuberculosis, £250 for 1 yr., tenable at the Welsh National School of Medicine. Open to graduates of any approved Univ. or qualified med. practitioners. Applications to the University Registry, Cathays Park, Cardiff.

### *Urology*

[228] * † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *John Everidge Research Fund in Urology.* The object of the fund is to provide financial assistance for the advancement of knowledge in genito-urinary and ancillary subjects—particularly research likely to enhance the diagnosis and therapy of diseases of this system. Open to all workers in this field whether medically qualified or not. Application to the Dean with sufficient information to enable the letter to be submitted to a cttee. for consideration.

## 14. PSYCHICAL RESEARCH

[229] * † ‡ 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 women 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)

[230] * † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, Mathamatics 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.

[231] * † ‡ 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. 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 [214].

* † ‡ BIRMINGHAM UNIV. *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. below [233].

[232] * 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.

[233] * † ‡ 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 with the Registrar or Secretary of the Univ. at which it is desired to hold the Fellowship. Cambridge applications to Secretary, Board of Research Studies.

(ii) *Gordon Wigan Fund*, £370 p.a., for scientific education or research. Further particulars from the Secretary of the Council of the School of Biological Sciences, Dept. of Zoology.

[234] * † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship* for research in Maths., Physics or Chemistry. Value, £100 p.a.; usually held for 2 yrs., open to grads. of any Univ., with preference to those of Cambridge and members of Clare Coll. Applications to the Master.

[235] * † ‡ CAMBRIDGE UNIV.: CORPUS CHRISTI COLL. *Plumian Research Scholarship.* Awarded once every 3 yrs. for research in Natural Sciences to a graduate of any Univ. in the United Kingdom or overseas who is a registered research student of the Univ. of Cambridge, or will be accepted as such. Such a person, being not already a member of Corpus Christi Coll., will be required to become a member on his election. The award may be held for 3 yrs. Further particulars from the Tutor.

[236] CAMBRIDGE UNIV.: GIRTON COLL. * † ‡ (i) *Tucker-Price Scientific Research Fellowship,* value at most recent offer £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 Studentships* for research in Mathematics, Natural Sciences, and Geography, value £15-£60 each, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. One or more offered annually. Closing date usually May 20.

* † ‡ (iii) *Ethel Sargant Studentship. See under* Science (Botany) [265].

Further particulars from College Secretary.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowship, see under* General [13].

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *See under* General [14].

[237] * † ‡ COURTAULDS' SCIENTIFIC AND EDUCATIONAL TRUST FUND. *Postgraduate Research Scholarships* in branches of Science and Technology (including the cognate branches of Engineering) which are related to the Textile, Plastics or allied industries. Value, £375 p.a. for 1 yr., with possibility of renewal. Preference given to candidates in 2nd yr. of research. Announced in Press annually in Jan. Awards made in April of each yr. Applications by mid-Feb. to Secretary, Courtaulds' Scientific and Educational Trust Fund, 16 St. Martin's-le-Grand, London, E.C.1.

[238] * DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Charles House, 5-11 Regent Street, London, S.W.1, makes grants to research workers, engaged mainly in Univs. and Colls., under the following headings: (*a*) *Maintenance allowances* to students to enable them to undergo training in research in pure and applied science and in technology; (*b*) *Senior Research Awards* (strictly limited in number) to enable young investigators of exceptional promise and proved capacity to devote their whole time to original research; (*c*) *Grants* to investigators of acknowledged standing to enable them to develop lines of research of exceptional timeliness and promise.

The scheme of grants to research workers and students is designed to meet the need for a larger number of trained scientific investigators for industrial research and for Government research, and is intended to supplement existing provision for postgraduate research. The grants are restricted in all cases to British subjects. Applicants for all three types of grants must be normally resident in Great Britain. Full

particulars are given in the pamphlet, *Notes on Grants Awarded by the Department of Scientific and Industrial Research to Research Workers and Students*, obtainable from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price 6d.

* † ‡ DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants in Fishery Research, see under* Fisheries [163].

[239] DURHAM UNIV. * † ‡ (i) *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

* † ‡ (ii) *Turner and Newall Fellowships* for research in Engineering, Inorganic Chemistry or Physics, or in an allied science, not less than £600 p.a. for 3 yrs., renewable up to 3 further yrs., tenable in the Durham Colls. or King's Coll., Newcastle upon Tyne, and also in the Univs. of Leeds, London and Manchester. Open to men and women graduates of any Univ. qualified to undertake research.

Applications to the Registrar (for London, the Academic Registrar) of the Univ. at which it is desired to undertake research.

[240] * † ‡ 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.

[241] 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. [233].

* † ‡ (iii) *Richard Brown Scholarship, see under* General [18].

[242] * † ‡ EXETER, UNIV. COLL. OF THE SOUTH-WEST OF ENGLAND. *Andrew Simons Graduate Scholarships.* Awarded as one or two Graduate Scholps. in Science (value not less than £60) tenable at the Coll. and restricted in the first instance to students who have graduated at the Coll. Failing suitable candidates, they may be awarded to graduates of any recognized Univ. Scholps. are normally eligible for supplementation by the Ministry of Education.

Further particulars from the Academic Secretary.

* † ‡ GLASGOW UNIV. *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

[243] * † ‡ HULL UNIV. COLL. *Research Studentships*, £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.

[244] * † ‡ LADY TATA MEMORIAL TRUST. Founded by the late Sir Dorabji Tata of Bombay as a memorial to his wife, the late Lady Tata. Provision is made for the award of research grants, scholarships, fellowships or prizes. The Trustees are advised by a Scientific Advisory Committee having its headquarters in London and by an Indian Committee in Bombay. One-fifth of the net annual income is earmarked for the encouragement of scientific research by Indians in India or abroad, and the rest is to be used to assist research on diseases of the blood, with special reference to leukæmia : the assistance may take the form of grants, scholarships or, in rare cases, prizes ; senior research fellowships may also be awarded ; the awards are open to persons of any nationality and in any country. Further particulars about the international awards may be obtained from the Secretary of the Scientific Advisory Committee of the Trust, 38 Old Queen Street, London, S.W.1. Candidates for the special awards to Indians should apply direct to the Secretary of the Trust, Bombay House, Bruce Street, Fort, Bombay.

[245] 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. [233].

* † ‡ (iii) *Turner and Newall Research Fellowships, as under* Durham Univ. [239].

Further particulars from the Registrar.

* † LEICESTER UNIV. COLL. *Research Scholarships* and *Postgraduate Studentships, see under* General [25].

* † ‡ LIVERPOOL UNIV. *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

[246] LONDON UNIV. * † ‡ (i) *Dixon Fund for assisting Scientific Investigations*. Income available for grants—about £250. Applications receivable by the Academic Registrar (from whom further particulars can be obtained) not later than March 31, July 31 and Nov. 30 in each year. Full information required as to nature and objects of research proposed, estimated amount required (detailed estimate to be given), any previous grant received for same object, any apparatus of permanent value needed. Names of two referees to be given. Grants are made from the fund three times yearly by the Senate for purchase primarily of apparatus and materials of a special nature to be used in scientific investigation. Instruments and specimens of permanent value purchased out of grants to be returned to the Univ. Published results of researches must contain a reference to the Fund, and 2 copies be supplied to the Univ. Preference given to applicants who are graduates of the Univ. or who undertake to work in a Dept. or School of the Univ. or other Instn. connected therewith.

* † (ii) *Keddey Fletcher-Warr Studentship* for postgraduate research in Science to be conducted in the British Isles or other approved place.

Value not less than £300 p.a. for 3 yrs., renewable. Open to men and women of European descent who are graduates of some British Univ. or have qualified for such graduation, but preference is given, other things being equal, to a graduate of London of small or no private means. Awardable from time to time as notified in the public press.

* † ‡ (iii) *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

* † ‡ (iv) *Turner and Newall Research Fellowships, as under* Durham Univ. [239].

Further particulars in each case from the Academic Registrar, Univ. of London, Senate House, London, W.C.1.

[247] MANCHESTER UNIV. * † ‡ (i) *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

* † ‡ (ii) *Turner and Newall Research Fellowships, as under* Durham Univ. [239].

* † (iii) *Research Studentships* in Science. Offered annually for competition of candidates who hold at time of election the degree of Bachelor or Master of a British Univ. other than Manchester. Normal value £300 p.a., and normally tenable for 3 yrs. for full-time research, leading to a higher degree of Manchester Univ. in a subject within the purview of the Faculty of Science. Holders may be permitted to undertake a limited amount of teaching in the Univ. Applications by July 1.

* † ‡ (iv) *J. R. Ashworth Research Scholarships* for research in Physical Science, Electrotechnics and Meteorological Science; £50 p.a., tenable for 1 yr., renewable for 2nd yr. Open to men only. Applications by July 1. Next offer 1954.

Further particulars from the Registrar.

[248] † NATIONAL RESEARCH COUNCIL OF CANADA. *Scholarships* open to Canadian students for postgraduate training and research experience in Science, Medical and Dental Research, Engineering and Applied Psychology. Normally tenable at Canadian Univs., but a limited number of awards made each year for advanced study outside Canada. These include Special Scholarships at the predoctoral level and some travelling fellowships for postdoctorate study overseas. Further particulars from the Secretary, Laboratory Awards Committee, National Research Council, Ottawa, Canada.

[249] † NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. (i) *National Research Scholarships, see* Appendix III [349]. (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. Enquiries should be addressed to the Secretary, Dept. of Scientific and Industrial Research, Wellington, N.Z.

* † ‡ NORTH STAFFORDSHIRE UNIV. COLL. *Research Studentships, see under* General [33].

[250] NOTTINGHAM UNIV. * † (i) *Carr Scholarship* for research in Geology, Botany or Entomology, £300 p.a., tenable at the University for 1 or 2 yrs. Open to graduates of Univs. in Gt. Britain and Ireland and of British Univs. overseas.

* † ‡ (ii) *Postgraduate Studentships* and *Research Fellowships, see under* General [34].

Further particulars from the Registrar.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships, see under* General [35].

[251] OXFORD UNIV. * † ‡ (i) *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

* † ‡ (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, University Registry, Oxford.

[252] 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 investigation to devote themselves for 2 yrs. to research work under conditions most likely to equip them for practical service in the scientific life of the Commonwealth. Value £450 p.a., with supplements in certain cases. Tenable ordinarily for 2 yrs., and in exceptional cases for 3 yrs., at any institution approved by the Commrs., but not, except in very special circumstances, in the country in which the scholar has received his scientific education; open to British subjects aged (except in very special circumstances) under 26 yrs. At present 10 (Canada 3, Australia 2, S. Africa, N.Z., Republic of Ireland, and India and Pakistan, 1 each) are offered annually; recommendations for Scholarships offered for 1954 were receivable by March 21, 1954 from the following Univs.: Alta., B.C., Dal., Laval, McG., McM., Manit., Mt. All., Queen's (Ont.), Sask., Tor., W. Ont. and any of the Univs. of Australia, N.Z., S. Africa, Republic of Ireland, India and Pakistan possessing postgraduate departments of science. A scholar is not permitted to hold any position of emolument likely to conflict with the devotion of his whole time to the objects of the scholarship, nor to accept any additional emoluments without the previous consent of the Commrs. Women are eligible on equal terms.

* † (ii) *Senior Studentships* (4), each of £600 p.a., with supplements in certain cases, for 2 yrs. or, in special cases, for 3 yrs.; open to British subjects not (except in very special circumstances) more than 30 yrs. of age, on recommendation, receivable up to May 1, by Profs. and Heads of Depts. through the executive authorities of such Univ. and other institutions in the United Kingdom as may be invited by the Commrs. to nominate; tenable at any institn. at home or abroad approved by the Commrs. The student is not permitted to undertake any work likely to conflict with the devotion of his whole time to the objects of the studentship, but a limited amount of time may, with the approval of the Commrs., be spent in delivering an advanced course of lectures.

He is not debarred from holding another position of emolument, but in such cases the Commrs. may modify the value of the studentship. Women are eligible on equal terms.

Address of the Sec. to the Commrs., 1 Lowther Gardens, Exhibition Rd., London, S.W.7.

[253] * † ‡ 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.

[254] ROYAL SOCIETY, Burlington House, Piccadilly, London, W.1. * † (i) *Foulerton Research Fellowships* of £850-£1000 p.a., restricted to British subjects. *Duties* : To conduct, at any hospital or medical school in the British Isles, or other place approved by the Council of the R.S., researches in Medicine or the contributory sciences, under the supervision and control of the Foulerton Research Fund Management Committee, to whom the Fellows will be required to report from time to time on the progress of their work. Tenable for 2 yrs. and renewable from year to year, with a maximum total tenure of 5 yrs. from the first award.

* † ‡ (ii) *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.

* † (iii) *Smithson Research Fellowship* in Natural Science. The Royal Society hold the capital of the Fund in trust. The income is administered by a Joint Committee of the Society and the Univ. of Cambridge. The Fellowship, £900 p.a. with superannuation provision, is open normally to British subjects of either sex, including subjects of the Dominions and Colonies ; but the Committee may, in special circumstances, invite a foreigner of scientific distinction to apply. Preference to candidates not over 35 yrs. of age. The holder will work in the Univ. of Camb. if appropriate laboratory accommodation is available. Appointment for 4 yrs. in first instance, may be renewed annually up to maximum period of 8 yrs.

* † ‡ (iv) *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.

* † ‡ (v) *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.

* † ‡ (vi) *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.

For all the above appointments applications are invited by public advertisement.

* † ‡ (vii) *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.

* † ‡ (viii) *Warren Fellowships* in Metallurgy, Engineering, Chemistry and Physics, value not less than £500 p.a., tenable at any place approved by the Council of the R.S. Open to British subjects.

The foregoing awards, unless otherwise stated, are open to qualified persons, irrespective of nationality, but in practice are generally awarded to British nationals.

* † ‡ (ix) *Scientific Relief Fund* (income about £1600 p.a.) to aid scientific men or their families requiring assistance.

* † ‡ (x) *Other Funds* : Browne, for assisting marine expeditions and marine biological research ; Forsyth for medical research ; Medical Research, with particular reference to tropical diseases in British possessions ; Messel, for scientific research ; Dewrance, for experimental research ; General Research and Gunning, both for research in physical science and biology ; Pedler, chemistry ; Tyndall Mining Research, mining, ventilation, temperature and disease incidental to miners.

* (xi) *Government Grant for Scientific Investigations*, advertised thrice annually in time for applications to be received by March 31, July 31 and Nov. 20. Only British subjects are eligible.

* † ‡ (xii) *Medals*. Copley, for philosophical research (with money grant) ; Rumford (with money grant, biennial), for useful discovery in light or heat, in any part of Europe ; Royal (2), for advancement of natural knowledge ; Davy (with money grant), for discovery in chemistry in Europe or North America ; Darwin (with grant of £100, biennial), for work in Darwinian field ; Buchanan (with money grant, quinquennial), for service to hygienic science or practice ; Sylvester (with money grant, triennial), for mathematical research ; Hughes (with money grant), for discovery in physical sciences, particularly electricity and magnetism. With the exception of the Royal Medals, all are open to foreigners as well as to British subjects.

* † (xiii) *Rutherford Scholarship*. Open to graduates, under 26, of a Univ. in the British Commonwealth. For research in any branch of the Natural Sciences, but some preference for work in Experimental Physics. Tenable for 3 yrs. in some part of the British Commonwealth

other than that in which the applicant graduated. Value varies according to circumstances of appointment but, if held in the U.K., will be not less than £450 p.a. Additional allowances may be granted for travel, Univ. fees, etc. Applications from Univ. graduates outside the U.K. should be made *through their Univs.* to the Royal Commission for the Exhibition of 1851. Applications from Univ. graduates in the U.K. should be made to the Asst. Secretary, Royal Society, Burlington House, London, W.1.

* † ‡ (xiv) *Mr. and Mrs. John Jaffe Donation Studentship* for original scientific research. Value: £500 p.a., preference given to applicants under 27 yrs. of age.

[255] * † ‡ ROYAL SOCIETY AND NUFFIELD FOUNDATION. *Commonwealth Bursaries.* "For encouraging the efficiency of scientists of proven worth from Commonwealth countries overseas by enabling them to pursue research, learn techniques or follow other forms of study where the environment in the United Kingdom is peculiarly favourable." Travel and maintenance at the rate of about £600 p.a. are provided for periods of 2 to 12 mos. Applications by March 15 and Sept. 15 each yr. to the Asst. Secretary, Royal Society, from whom forms of application and further particulars may be obtained.

[256] 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.

[257] * † ‡ 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 [69].

* † ‡ WALES, UNIV. OF. *Imperial Chemical Industries Fellowships, as under* Cambridge Univ. [233].

## 16. SCIENCE (Special Subjects)

### *Astronomy*

[258] * † OXFORD UNIV.: BALLIOL COLL. *Henry Skynner Senior Studentship* for the study of Astronomy and branches of Mathematics and Natural Science connected therewith, £200 p.a. for 1 yr., renewable. Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Senior Tutor.

### *Biochemistry*

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [193].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [233].

[259] † LIVERPOOL UNIV. *Johnston Colonial Fellowship* in Biochemistry, about £400 for 1 yr. but may be renewed for a 2nd yr. Failing a candidate in Biochem., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Colonial Univs. and Med. Schools (without, however, excluding Colonials who may possess British qualifications). Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 27.

[260] * † 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.

[261] * † LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. (i) *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. [301].

### *Biology*

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [193].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [214].

[262] * † ‡ CAMBRIDGE UNIV. (i) *Balfour Studentship* in Biological Research, especially in Animal Morphology, about £300 p.a. for 3 yrs.; tenable normally at Cambridge. Open to graduates of any Univ. Offered triennially or as casual vacancies occur.

(ii) *Balfour Memorial Fund.* Grants may be made from this fund for original research in Biology, especially Animal Morphology, to the Balfour Student or to any other person engaged in such research.

Further particulars from the Secretary of the Faculty Board of Biology "A," Dept. of Botany.

[263] * † ‡ CAMBRIDGE UNIV.: NEWNHAM COLL. *Wheldale-Onslow Memorial Fellowship,* £300 p.a. for 3 yrs., tenable at Newnham Coll. Open to women of any nationality for research work in biological science, preference being given to work in plant biochemistry. Awarded on dissertation or other written work. Applications to the Principal before March 1. Awarded from time to time as funds permit.

* † ‡ EMPIRE COTTON GROWING CORPORATION. *Postgraduate Studentships, see under* Agriculture, Veterinary Science, etc. [51].

* † NOTTINGHAM UNIV. *Carr Scholarship, see* Science (General) [250].

[264] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. *Biological Scholarships and Bursaries.* To enable selected persons who have graduated in Physics, Chemistry, Maths. or Engineering to receive such training in Biology as will enable them to undertake research and teaching in the U.K. in the biological sciences. Open to either sex; usual age limits, 22-35. Tenable for 1 yr.; renewable up to maximum of 3 yrs. Normal value of Scholp., £500-£600 p.a. plus fees; of bursary, £350 p.a. plus fees. Applications by April 1. Further particulars from Secretary at above address.

## *Botany*

[265] * † ‡ CAMBRIDGE UNIV.: GIRTON COLL. *Ethel Sargant Studentship* for research in Natural Sciences, preferably in Botany, value £15-£60. tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. Offered annually. Closing date usually May 20. Further particulars from College Secretary.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General) [240].

[266] * † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, £300. Awarded at such times as funds permit. In either Botany or Zoology, for 1 yr., renewable for a 2nd yr., normally tenable at the above. Open to persons who have studied Bot. or Zool. in Manchester Univ. or in some other approved instn. Next offer 1954. (Pref. to Bot.) Last date for applns., June 1. Further particulars from the Registrar.

* † NOTTINGHAM UNIV. *Carr Scholarship, see* Science (General) [250].

## *Chemical Engineering*

[267] BIRMINGHAM UNIV. * † ‡ (i) *Research Scholarships* in Chemical Engineering and Petroleum Production, 2 or more each yr., commencing value £220-£260 p.a., with remission of tuition and examination fees; may be renewed for 2 further yrs. Candidates must possess a Univ. degree or equivalent in Science; preference to those with industrial experience.

* † ‡ (ii) *Anglo-American Studentship*, £350 p.a., with remission of tuition fees, normally for 1 yr., renewable for a further yr. at £400, tenable at the Univ. of Birmingham. Candidates must have a Univ. degree with Chem. or Engin. as principal subject together with industrial experience in the Chemical Engin. field. Further particulars from the Registrar.

[268] * † ‡ CAMBRIDGE UNIV. (i) *Shell Chemical Engineering Studies Fund.* Grants or Research Studentships may be awarded.

(ii) *Esso Studentship.* For study and training for research. Open to candidates domiciled in Gt. Britain or N. Ireland at time of application.

Further particulars from Professor of Chemical Engineering.

* † CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship. See under* Science (Special Subjects)—Chemistry [274].

[269] * GAS COUNCIL. *Scholarships* (5 each yr.) tenable for 3 yrs. at the Univs. of Oxford (Dept. of Chemistry), Cambridge (Dept. of Chemical Engineering), London (Dept. of Chemical Engineering, Imperial College of Science and Technology), Birmingham (Dept. of Chemical Engineering), Glasgow (Dept. of Chemistry). Open to students who are British subjects and have recently graduated in a British Univ. with Hons. in Physics, Chemistry or Engineering and who possess a capacity for original work. Value, £350 p.a. plus certain fees. Subject proposed for research must afford scope for original work and be approved by Research Cttee. of the Gas Council which is interested in problems related to the manufacture, distribution or use of gas. Further information from the Secretary, Gas Council, 1 Grosvenor Place, London, S.W.1.

[270] * † ‡ LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. (i) *Leverhulme Studentship* in Chemical Engineering, £400 p.a., tenable at Imperial College for 1 yr., renewable for 2nd yr. Open to candidates possessing a degree or diploma in Chemistry, Engineering, Chemical Engineering or other cognate subject.

(ii) *Postgraduate Bursaries* in Engineering, *see under* Engineering (General) [144].

(iii) *Royal Dutch Shell Postgraduate Scholarships.* £300 p.a. plus College fees. For postgraduate advanced study or research in Chemical Engineering. Candidates must have obtained a good Honours degree in Chemistry, Physics, Chemical or other branch of Engineering. Applications before June 1.

(iv) *Esso Studentship.* £350 p.a. plus College fee. For Postgraduate work in Chemical Engineering. Candidates must have an Honours

degree in Chemistry or Engineering. Election is advertised. Further particulars from the Registrar.

[271] * † ‡ 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.

[272] * LONDON UNIV.: UNIV. COLL., Gower St., London, W.C.1. (i) *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.

(ii) *Esso Postgraduate Studentship.* Value, £350 p.a. with remission of certain fees. To enable graduates in Chemistry or Engineering to obtain advanced training in the principles and practice of Chemical Engineering in the Ramsay Memorial Lab. of Chem. Engin. at University Coll. Candidates must either be engaged in, or be definitely preparing to enter, the petroleum or chemical industry.

(iii) *Shell Postgraduate Studentships.* Value, £350 p.a. To enable graduates in Chemistry or Engineering to obtain advanced training in the principles and practice of Chemical Engineering in the Ramsay Memorial Lab. of Chem. Engin. at University Coll. Candidates must either be engaged in, or be definitely preparing to enter, the chemical industry.

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship, and Fellowship, see under* Applied Science and Technology, [66].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships. See under* Applied Science and Technology [69].

## *Chemistry*

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, *see under* Science (General) [230].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [214].

[273] * † ‡ BIRMINGHAM UNIV. *Priestley Scholarships* in Chemistry (2), £220-£260 p.a., with remission of tuition and examination fees, tenable for 1 yr., at the Univ. of Birmingham, renewable in special circumstances. Open to graduates of any Univ., but preference is given

to present or past students of Birmingham Univ. Normally only candidates who have completed an approved 3-yr. course of study in Chemistry and allied Sciences are accepted.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology [59].

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship, see under* Science (General) [234].

[274] * † 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.

[275] * † ‡ CAMBRIDGE UNIV.: TRINITY HALL. *Research Studentships* (two in all) in Surface Chemistry, endowed by the Consolidated Zinc Corporation. Value: Univ. and Coll. fees, and a sufficient maintenance grant related to the standing and circumstances of the holder. Tenure from Oct. 1.

[276] * † CHEMICAL SOCIETY, Burlington House, London, W.1. The *Research Fund* of the Chemical Society was estabd. in 1876 to assist investigators by defraying the cost of expensive materials. The income from the Fund, incl. that from the donation of the Goldsmiths' Company and from the Perkin Memorial Fund, amounts to about £700 a yr. The Committee meets in June and Nov. to consider applications for grants. The income from the Goldsmiths' donation is mainly devoted to the encouragement of research in Inorg. and Metallurgical Chemistry, and that from the Perkin Memorial Fund for investigations connected with the Coal Tar and allied industries. Further particulars from General Secretary of Society.

[277] * † CORDAY-MORGAN MEMORIAL FUND EXECUTIVE. *Corday-Morgan Commonwealth Fellowship* (Inter-Commonwealth post-doctorate fellowship), value £700 p.a. Tenable for 1 yr. only. The Executive will specify each yr. the Commonwealth country from which the applicant will be selected and the part of the Commonwealth in which the award will be tenable. Particulars from the Secretary, Corday-Morgan Memorial Fund Executive, c/o the Chemical Society, Burlington House, London, W.1.

* † ‡ DURHAM UNIV.: THE DURHAM COLLEGES. *Research Fellowship* in Pure Science, *see under* Science (General) [240].

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship, see under* Science (General) [241].

* GAS COUNCIL. *Scholarships, see under* Chemical Engineering [269].

[278] * GLASGOW UNIV. *Coats Fellowship.* £300 p.a., with £50 for incidental expenses, tenable for 2 yrs. Open to graduates in Science, of

at least 1 yr.'s standing, of any United Kingdom Univ. For research in Chemistry or Physics (excluding Nuclear Physics). The Fellow will be required to pursue within the Univ. of Glasgow a course of research approved by the Hd. of the Dept. concerned. Applications to Clerk of Senate by May 31.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [233].

[279] * † ‡ LEEDS UNIV. (i) *Henry Ellison Senior Fellowships, see under* Science (General) [245].

* † ‡ (ii) *Lowson Scholarship*, £60 p.a., open to graduates of Leeds or any other Univ. for research in some analytical problem in the Dept. of Inorganic and Physical Chemistry in Leeds Univ. Tenable for 1 yr., renewable. Further particulars from Registrar.

[280] * † ‡ 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 1954. Last date of appln., June 1. Further particulars from the Registrar.

[281] * † 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) [253].

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship, and Fellowship, see under* Applied Science and Technology [66].

* † SHEFFIELD UNIV. *Ellison Fellowships, see under* Science (General) [256].

* † ‡ SOUTHAMPTON UNIV. *Esso Research Studentship, see under* General [48].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Inorganic Chemistry, *see under* Science (General) [239].

[282] * † ‡ WALES, UNIV. OF: UNIV. COLL. OF WALES, ABERYSTWYTH. *Garrod Thomas Fellowship*. Awarded annually; tenable for 1 yr. but may be renewed for a further yr. Value £75 p.a. supplemented by Ministry of Education up to maximum of £215 p.a., plus tuition fees. Open to graduates of any Univ., with preference to those of Univ. Coll. of Wales, Aberystwyth. Last date for applicns., July 1. Further particulars from Registrar.

## *Colloid Science*

[283] * † ‡ CAMBRIDGE UNIV. *Oliver Gatty Studentship* in Colloid Science, especially physical methods applied to biological problems, about £450 p.a., for 1 yr. with possible re-election for a 2nd and 3rd yr., tenable at Cambridge. Open to graduates of any Univ.

Further particulars from the Registrary.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science General) [233].

## *Ecology*

[284] * NATURE CONSERVANCY. *Research Studentships.* Annual value varies from £250 to £350 according to circumstances. Certain fees and supplementary allowances may be paid in addition. Tenable or 1, 2 or 3 yrs.' postgraduate research training of Ph.D. standard in ecological and cognate subjects. Candidates must be British subjects normally resident in Gt. Britain and graduates of a British University. Further particulars from the Director-General, The Nature Conservancy, 91 Victoria Street, London, S.W.1.

## *Electrotechnics*

* † ‡ MANCHESTER UNIV. *J. R. Ashworth Research Scholarships, see* Science (General) [247].

## *Geology*

[285] * † ‡ BIRMINGHAM UNIV. *Lapworth Scholarship Fund.* Grants from the Fund, of such value and at such times as may appear desirable, may be awarded to graduates of Birmingham or any other Univ., for encouragement of geological research, which must be of an original character and carried out under the supervision of the Professor of Geology.

Further particulars from the Registrar.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General) [240].

* † NOTTINGHAM UNIV. *Carr Scholarship, see* Science (General) [250].

[286] * SHELL GROUP OF OIL COMPANIES. A limited number of *Postgraduate Awards* in Geology are made to students who desire to join the petroleum industry and wish to take a Ph.D. or M.Sc. degree in Geology before doing so. Value, £400 p.a. Tenable in any U.K. Univ. which has a Geological Dept. Further particulars from the Shell Petroleum Co. Ltd., St. Helen's Court, Great St. Helen's, London, E.C.3.

[287] * WALES, UNIV. OF: UNIV. COLL. OF WALES, ABERYSTWYTH. *J. J. Thomas of Kendal Scholarship.* Awarded annually; tenable for 3 yrs. For research in Geol. and in Mineralogy. Value £70 p.a. supplemented by Ministry of Education up to max. of £215 p.a. plus tuition fees. Open to students of any Univ. born in Wales or Lake District. Last date for applicns., June 1. Further particulars from Registrar.

## *Mathematics*

*See* Arts (Special Subjects) [108], [109].

## *Metallurgy*

[288] 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 in by the scholar to have a direct or theoretical bearing on some department of Metallurgy. Open to graduates of any Univ.

* † ‡ (iv) *Joseph Lucas Research Fellowship and Research Assistantships in Electrometallurgy.* The purpose of the Fellowship is to enable a sr. investigator to conduct research of a fundamental character in the field of electrometallurgy. Research to be carried out in Dept. of Industrial Metallurgy. Value of Fellowship from £600 to £850 p.a. and of Research Assistantships £260 to £450 p.a. The appointments are initially tenable for 1 yr. but are renewable for further periods.

Further particulars from the Registrar.

* † BRITISH IRON AND STEEL RESEARCH ASSOCIATION. *Bursaries, see under* Applied Science and Technology [59].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [233].

* † ‡ IRON AND STEEL INSTITUTE. *Andrew Carnegie Travelling Scholarships, and Research Grants, see* Appendix III [339].

* † ‡ LEEDS UNIV. (i) *Yorkshire Copper Works Research Scholarship, see under* Applied Science and Technology [62]. (ii) *Henry Ellison Senior Fellowships, see under* Science (General) [245].

[289] * † ‡ ROYAL SOCIETY. (i) *Warren Fellowships, see under* Science (General) [254].

(ii) *Armourers and Brasiers' Research Fellowship in Metallurgy.* £850 p.a., tenable at any approved place, for 2 yrs. in the first instance, but may be extended yr. by yr. up to a max. of 5 yrs. Appointments made by a cttee. consisting of 4 persons appointed by the Council of the Royal Society and 3 persons appointed by the Court of the Armourers and Brasiers' Company. Further particulars from Asst. Secretary, The Royal Society, Burlington House, London, W.1.

[290] * SHEFFIELD UNIV. *C. G. 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 [69].

* † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships, see under* Engineering (General) [148].

## *Meteorological Science*

* † ‡ MANCHESTER UNIV. *J. R. Ashworth Research Scholarships, see under* Science (General) [247].

## *Nutrition*

[291] * † ‡ 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. Last offer 1954.

Further particulars from the Registrar.

## *Pharmacy*

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [233].

[292] * † ‡ LONDON UNIV.: SCHOOL OF PHARMACY. *Allen and Hanbury's Research Fellowship.* Awarded annually; tenable in Dept. of Pharmacology. Value, £300 p.a. Applicants must be pharmaceutical chemists or graduates in pharmacy, science or medicine of a Univ. Applications to The Secretary of the School.

[293] MANCHESTER UNIV. * † ‡ (i) *Allen and Hanbury's Fellowship.* Normally £250, offered annually. Tenable in the Pharmaceutical or Pharmacology Laboratories of the Univ. for 1 yr., but renewable for a period of not more than 3 yrs. in all. Preference to pharmaceutical chemists or graduates in Pharmacy of a British Univ., but failing such candidates, may be awarded to graduates in Science or Medicine. Applications by May 31.

* † ‡ (ii) *Woolley and Kerfoot Scholarships* in Pharmacy. Each of £60 for 1 yr., renewable for 2nd yr., normally tenable at the above. Offered annually and open to persons who have studied Pharmacy in the Univ. of Manchester or in some other approved institution. Last date for applications, Sept. 30.

* † ‡ (iii) *A. L. Blain Memorial Scholarship.* As (ii) above, except value £70.

Further particulars from the Registrar.

[294] * PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. (i) *Pharmaceutical Society Research Scholarship.* Value £350 p.a. One awarded each yr.

(ii) *Redwood Research Scholarship.* Value £350 p.a. Next award 1955.

(iii) *Burroughs Research Scholarship.* Value £350 p.a. Next award 1957.

(iv) *Ransom Research Fellowship.* Value £350 p.a. Last award 1953.

(v) *Rammell Research Studentship.* Value £350 p.a. Next award 1961.

Each scholarship is tenable for 2 yrs. on annual appointment in the research laboratories of any School of Pharmacy in Great Britain approved by awarding body or in the Museum of the Society. Candidates must be pharmaceutical chemists or approved graduates in Pharmacy. Last date for applications, June 1.

(vi) *Educational Grants.* The Council of the Society is also prepared to receive applications for grants for maintenance of research workers and provision of technical, clerical and other services: maintenance of persons undergoing training in research methods or further training in a particular subject or subjects; special apparatus and materials or other expenses necessarily and specially incurred by such workers. Applicants must be members or student-associates of the Society, and must be normally resident in Gt. Britain. Last date for applications, May 1.

Further particulars from the Secretary.

* † ‡ ROYAL SOCIETY. *Locke Research Fellowship. See under* Science (General) [254].

[295] * WELLCOME TRUST. *Wellcome Pharmaceutical Research Fellowship.* Awarded by Cttee. comprising members appointed by Trustees of the Wellcome Trust and by the Council of the Pharmaceutical Society of Great Britain. Value £400 p.a., awarded annually. Tenable for 2 yrs. on annual appointment in the research labs. of any School of Pharmacy or other institution in Great Britain approved by awarding body. Candidates must be Pharmaceutical Chemists or approved graduates in Pharmacy. Last date for applications, May 31. Further particulars from the Secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1.

## *Physics*

ABERDEEN UNIV. * † (i) *Georgina McRobert Research Fellowship, see under* Medicine and Surgery (Special Subjects)—Cancer [193].

* † (ii) *Robbie Scholarship in Natural Philosophy, see under* Science (General) [230].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see under* Medicine and Surgery (Special Subjects)—Pathology [214].

[296] * † ‡ 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 [59].

* † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship, see under* Science (General) [234].

[297] * † ‡ 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 1952.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship* in Pure Science, *see under* Science (General) [240].

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship, see under* Science (General) [241].

* GLASGOW UNIV. *Coats Fellowship, see under* Science (Special Subjects)—Chemistry [278].

[298] MANCHESTER UNIV. * † ‡ (i) *John Harling Fellowship* for research in Physical Science. £200 and occasionally more; renewable for 2nd and possibly 3rd yr., normally tenable at the above. Open to all persons who can furnish satisfactory evidence of ability to pursue research. Next award not fixed.

* † ‡ (ii) *J. R. Ashworth Research Scholarships, see* Science (General) [247].

Further particulars from the Registrar.

[299] * † ‡ OXFORD UNIV. *Nuffield Foundation Research Fellowship.* Fellows are apptd. on recommendation of the Professor of Experimental Philosophy for research in the Clarendon Laboratory, Oxford. Stipend and conditions of service to be determined by the Nuffield Foundation. Further particulars from the Prof. of Experimental Philosophy.

* † ‡ ROYAL INSTITUTION. *Dewar Research Fellowship, see under* Science (General) [253].

* † ROYAL SOCIETY. *Rutherford Scholarship, see under* Science (General) [254].

* † SHEFFIELD UNIV. *Ellison Fellowships, see under* Science (General) [256].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships. See under* Applied Science and Technology [69].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Physics, *see under* Science (General) [239].

[300] * † ‡ 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* (v. also [221], [222])

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships, see* Medicine and Surgery (Special Subjects)—Pathology [214].

‡ LIVERPOOL UNIV. *Garrett International Fellowship, see* Bacteriol. [191].

[301] LONDON UNIV.: UNIV. COLL., Gower St., London, W.C.1. * (i) *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 undergrads. 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.

[302] * † ‡ 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 1954. Further particulars from the Registrar.

### *Zoology*

[303] * BRISTOL UNIV. *Bristol, Clifton and West of England Zoological Society Scholarship* in Vertebrate Zoology. For postgraduate research in Vertebrate Zool. £300 p.a. for 2 yrs., in first instance, with possibility of renewal for 3rd yr. Holder of Scholp. may be required to undertake strictly limited amount of teaching in Dept. of Zoology.

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science, see under* Science (General) [240].

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship, see under* Science (Special Subjects)—Biochemistry [260].

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, *see under* Botany [266].

## 17. THEOLOGY

[304] CAMBRIDGE UNIV. *Hort Memorial Fund*, £95 p.a., for grants to persons engaged in Biblical, Hellenistic or Patristic Research, or undertaking connected therewith. Further information from the Secretary of the Fund: Dr. Telfer, Master's Lodge, Selwyn College.

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship, see under* General [18].

[305] LONDON UNIV.: KING'S COLL., Strand, London, W.C.2. * † (i) *Theological Exhibitions*: Six of £50 p.a. open to grads. of any Commonwealth Univ. or members of the Faculty who have passed the Intermed. B.D. Examn. Candidates must send in their names to the Dean on or before June 20 in each year. Various other Bursaries.

* † ‡ (ii) *Cleave Cockerill Scholarship*. Value £200 a yr. for 2 yrs. with free tuition and term-time residence. Candidates must be men in Holy Orders in the Church of England, or in some Church in communion with the Church of England. The Scholar will be required to reside at the Theological Hostel, to read for a Higher Degree of the Univ. of London, and to give some assistance in tutorial work in the Theological Dept. of King's Coll. and at the Chapel Services in the Theological Hostel. Applications to the Dean by April 30.

## 18. PRIZES

### *Biometrics*

[306] * † ‡ OXFORD UNIV. *Weldon Memorial Prize* (endowment £1000), awarded once in 3 yrs. for the most noteworthy contribution to Biometric Science in the preceding 6 yrs. Last award 1953. Further particulars from the Registrar, University Registry, Oxford.

### *Chemistry*

[307] * CHEMICAL SOCIETY, Burlington House, London, W.1. (i) *Corday-Morgan Medal and Prize*. Silver medal and 150 guineas awarded annually to the chemist of either sex and of British nationality who, in the judgement of the Council of the Chemical Society, shall have published during the yr. in question the most meritorious contribution to Experimental Chem., and who, at the date of publication, shall not have attained the age of 36 yrs. Award suspended if no suitable candidate presents himself or is brought to the notice of the Council. Further particulars from the General Secretary of the Society.

(ii) *Harrison Memorial Prize*. Bronze plaque and monetary prize (at present 100 gns.) awarded once in 3 yrs. to the chemist of either sex, being a British subject by birth and not at the time over 30 yrs. of age, who, in the opinion of the Selection Committee, shall, during the previous 5 yrs., have conducted the most meritorious and promising original investigations in Chemistry and shall have published the results of those investigations in a scientific periodical or periodicals.

### *Classics*

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under* Arts (Special Subjects)—Classics [93].

### *Dental Surgery*

[308] * † ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. (i) *Cartwright Prize* (of £100) *and Medal*, founded in 1884 by the "Association of Surgeons practising Dental Surgery" with the object of commemorating the services of Samuel Cartwright, F.R.C.S.,

awarded quinquennially to the author of the best essay upon a subject relating to Dental Surgery to be selected by the Council. The next award will be made for the five years ending Dec. 31, 1955, the subject being " The Diagnosis and Treatment of Fibro-Osseous Enlargement of the Jaws."

Candidates must be persons engaged in the study or practice of Dental Surgery and possessing qualifications capable of registration under the Medical Acts of the United Kingdom.

Every essay must have a motto or device and must be accompanied by a sealed paper containing the name and address of the author, and having on the outside a motto or device corresponding with the motto or device on the essay.

(ii) *John Tomes Prize* of £27. Founded by members of the Dental profession in memory of Sir John Tomes; awarded triennially for original or other scientific work on Dental Surgery and Pathology, Dental Anatomy and Physiology (including Histology) or Dental Mechanics. Next award 1954.

## *English Literature*

[309] * † ‡ 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*

[310] * † 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*

[311] * † ‡ LONDON UNIV.: INSTITUTE OF HISTORICAL RESEARCH. *Julian Corbett Prize*, value £50, open to any investigator who satisfies the Committee of the Institute of Historical Research that he is a student of naval history qualified to undertake research. The work shall be either a dissertation or an edition of an original document or documents, or a report on material at home or abroad illustrating modern naval history. Intending candidates must, on or before Oct. 1 in year preceding entry for the Prize, submit for the approval of the Inst. of Hist. Research Committee the subject of proposed work, and without such approval no work will be eligible. The prize is awarded biennially, and preliminary applications should reach the Sec., Institute of Historical Research, The Senate House, London, W.C.1, before Oct. 1, 1955.

[312] * † ROYAL EMPIRE SOCIETY. *Walter Frewen Lord Prize* in Imperial History, annually, value 40 gs., for a monograph or essay

(10,000-20,000 words) on a subject of Imperial History, embodying either the results of original work or an ordered and critical exposition of existing data. Open to undergraduates or graduates of any Univ. or Univ. Coll. in the Commonwealth, of not more than 4 yrs.' standing from their first degree.

Further particulars from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

[313] * † ‡ ROYAL HISTORICAL SOCIETY. *David Berry Prize*, founded under the will of the late David Anderson-Berry in memory of his father, the Reverend David Berry, consisting of a gold medal and a money prize of £50, to be awarded to the writer of the best essay on a subject, to be selected by the candidate and approved by the Council of the Society, dealing with Scottish History within the reigns of James I to James VI inclusive. Each essay submitted must be a genuine work of research based on original materials and must not previously have been published or awarded any other prize. Awarded triennially. Further particulars from the Secretary at 96 Cheyne Walk, Chelsea, London, S.W.10.

### *International Peace*

[314] * 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, with whom entries must be lodged by Nov. 1 each yr.

## MEDICINE (General)

[315] * † ‡ LONDON UNIV. *Rogers Prize*, value £100, for an essay or dissertation on some medical or surgical subject named and appointed by the Univ. and made public in such manner and at such time as the Univ. may determine. Open to all persons on the Medical Register of the U.K. Further particulars from the Academic Registrar.

[316] * † ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *John Hunter Medal and Triennial Prize*, value £50, awarded to a Fellow or Member who has, during the preceding 10 yrs., done such work in Anatomy, Physiology, Histology, Embryology or Pathological Anatomy as deserves special recognition. Next award in 1955.

## MEDICINE (Special Subjects)

### *Cancer*

[317] * † ‡ 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*

[318] * † ‡ ROYAL COLL. OF PHYSICIANS, 9 Queen St., Edinburgh 2. *Parkin Prize*, value £100, offered triennially for an essay in the English language. Open to competitors of all nations. Further particulars from the Secretary.

## *Hygiene and Tropical Medicine*

[319] * † ‡ 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 in respect of the best paper written by such an officer on one of the following subjects: (*a*) Tropical Medicine and Surgery, (*b*) Tropical Hygiene and Sanitation, or (*c*) Tropical Entomology and Parasitology. Next award 1954.

Further particulars from the Assistant Dean of the School.

## *Ophthalmology*

[320] * † 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 from the House Governor of the Hospital.

## *Pathology*

[321] * † ‡ CAMBRIDGE UNIV. *John Lucas Walker Exhibitions and Prizes* in Pathology, not exceeding £50, awarded from time to time to any person in respect of any essay, discovery or meritorious service connected with or conducing to the Science of Pathology. Further particulars from the Professor of Pathology, Dept. of Pathology.

## *Surgery*

[322] * † ‡ ASSOCIATION OF SURGEONS OF GREAT BRITAIN AND IRELAND. *Moynihan Prize* of £100, together with a medal, for the best dissertation or essay on a subject chosen by the Council; open to

citizens of British Commonwealth or Republic of Ireland who have been qualified for not more than 10 yrs. and who are either engaged in the practice of surgery or are being trained to this end. Further particulars from the Hon. Secretary, 45 Lincoln's Inn Fields, London, W.C.2.

[323] * † 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 1954 is: "Melanomas and Melanosis." 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) [316].

(iii) *James Berry Prize*, value £50, open to Fellows and Members not over 45 yrs. of age, for a dissertation on a surgical subject. Awarded quinquennially. Next award 1957. Regulations may be obtained from the Secretary.

ADDENDUM (*see* p. 1570)

[11A] * † CAMBRIDGE UNIV.: ST. JOHN'S COLLEGE. The College will offer from time to time (at present annually) to a scholar from one of the British Dominions a *Fellowship*, tenable at the College for one year, to enable him to pursue his own study and research and make contacts with scholars in Cambridge. The Fellowship entitles the holder to a stipend of £300 for the year of his tenure, to rooms in College, and to the other rights and privileges of a Fellow of the College. Persons interested, who may include Teachers and Research Workers on leave of absence from their own Universities, may obtain further information from The Master, St. John's College, Cambridge.

# APPENDIX III

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

This Appendix lists some of the more important awards tenable overseas by British graduates, but it does not claim to be exhaustive. It is primarily intended for U.K. graduates seeking to study abroad.

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), *see below* [326].

For an explanation of the meaning of the symbols *, † and ‡ see the introductory paragraphs of Appendix II.

[324] ALBERTA UNIV. * † ‡ (i) *Cominco Fellowships*. The Consolidated Mining and Smelting Co. of Canada offers a fellowship of $1000 per yr. to a graduate in Science, Engineering or Agriculture of a recognized Univ., and preferably a Canadian citizen or other British subject resident in Canada, for research at the Univ. of Alberta in some field of pure or applied science preferably related to the mining, metallurgical or chemical industry in which the Company is interested. An additional $200 available for special equipment, etc. Similar awards available at the following Univs.: British Columbia, McGill, Manitoba, Queen's, Saskatchewan and Toronto.

* † ‡ (ii) *Shell Oil Fellowship*. Awarded annually. Value, $900 plus Univ. fees and certain expenses. Provided by Shell Oil Co. to sponsor research studies in Chemistry, Chemical Engineering, Mechanical Engineering, Geology, Physics or Geophysics leading to a postgraduate degree at the Univ. of Alberta. Open to graduates of any approved Univ. Similar awards available at the following Univs.: British Columbia, McGill, Queen's, Toronto.

* † ‡ (iii) *C.I.L. Fellowship*. Value, $900 per yr. plus $300. Offered by Canadian Industries, Ltd., for research in Chemistry or Chemical Engineering. Open to any British subject who is a graduate of a recognized Univ.

* † ‡ (iv) *Husky Oil and Refining Scholarship*. A scholp. of $500, tenable in 1954–55, is offered by Husky Oil and Refining, Ltd., to graduates from any recognized Univ., for graduate study and research in problems related to the discovery, development, production, processing, transportation and utilization of "black oils." Students in any of the following or in related fields may be eligible: Chemistry,

Chemical Engineering, Civil Engineering, Economics, Geology, Petroleum Engineering and Physics.

Applications for each of above, to Registrar, by April 15.

[325] * † ‡ AUSTRALIAN NATIONAL UNIV. *Scholarships.* Open to graduates of any country. For work in the various depts. of the Research Schools of the A.N.U. (John Curtin Sch. of Medical Research ; Research Sch. of Physical Sciences ; Research Sch. of Social Sciences ; Research Sch. of Pacific Studies). Tenure, 3 yrs. Value, £A. 611 p.a. ; married scholars may receive an additional allowance. Fares allowances of up to £75 stg. for scholars coming from the United Kingdom. Applications usually close in Oct. Further particulars from the Registrar, The Australian National University, Box 4, G.P.O., Canberra, A.C.T., Australia.

BRITISH COLUMBIA UNIV. * † ‡ (i) *Cominco Fellowship, see* [324].

* † ‡ (ii) *Shell Oil Fellowship, see* [324].

[326] BRITISH COUNCIL, 65 Davies St., London, W.1. * † ‡ (i) *Travel Grants. See* Appendix II [2].

* † (ii) *Scholarships* offered to British students by foreign Govts. and Univs. Particulars of about 100 scholarships (mainly postgraduate awards) are published annually in Jan. in a pamphlet entitled *Scholarships Abroad.* For session 1953–54 awards were made for study in the following countries : Austria, Belgium, Denmark, Finland, France, Germany, Iceland, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Yugoslavia.

* † BRITISH EMPIRE CANCER CAMPAIGN. *Exchange Fellowship, see under* Medicine (Special Subjects)—Cancer [194].

[327] BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. * (i) *Rose Sidgwick Memorial Fellowship,* $2000 for 1 yr. for postgraduate study in the U.S.A. Closing date Nov. 15. Offered to a woman graduate under 35 yrs. of age and normally resident in Great Britain.

* † ‡ (ii) A number of *International Travelling Research Fellowships* are offered annually by the International Federation of University Women. Enquiries should be made to the national Federation of University Women in the graduate's country of residence ; in Great Britain, to the Secretary, B.F.U.W., as above.

* † ‡ (iii) *Aurelia Henry Reinhardt International Fellowship,* $2000, offered by the American Association of University Women, for a yr.'s research. Closing date Nov. 15. Enquiries as under (ii) above.

Further particulars from the Secretary.

[328] * † BRITISH INSTITUTE OF ARCHÆOLOGY AT ANKARA. *Fellowship and Scholarship.* Awarded annually ; each tenable for 1 yr. with possibility of renewal usually for 1 yr. Applicants must be of British Commonwealth nationality. The Inst. organizes and encourages research in all aspects of the archæology of Turkey, in all periods, including the Islamic. Further information from the Secretary, British Institute of Archæology at Ankara, 56 Queen Anne St., London, W.1.

[329] * BRITISH MEMORIAL FUND. Founded by public subscription in the state of Victoria to show Australian appreciation of the part played by the people of the United Kingdom in the second World War. Intended to interest young British scientists, doctors, engineers, artists, teachers and other professional men and women, in Australia's arts, science and industry. The Fund aims at providing fellowships, tenable in Victoria in a wide range of subjects, for citizens of the British Isles. Subjects open in 1954 were Metallurgy, Pre-School Education and Child Development, Arbitration (Industrial), and British Commonwealth Studies. Value of each, £A. 1000. Further particulars from the Agent-General for Victoria, Victoria House, Melbourne Place, Strand, London, W.C.2.

[330] * † BRITISH SCHOOL AT ROME. *Rome Scholarships*, open to British subjects and tenable for 2 yrs., usually at the School. Available for study in Architecture, Painting, Sculpture, Engraving, Mediæval and Classical Studies. Further particulars from the Secretary, British School at Rome, 1 Lowther Gardens, Exhibition Road, London, S.W.7.

[330A] * † ‡ CALCUTTA UNIV. *Bipradas Pal Chaudhuri Fellowship.* Value, Rs. 5000 p.a.; tenable at Univ. of Calcutta for 1 yr.; open to graduates of accredited Univs. in other countries. Awarded every 3 yrs. Next award 1955. Successful candidate must study "Aspects of Hindu Civilization and Culture"; submit, on completion of his studies, a full report of investigation in form of thesis suitable for publication; and, on return to his native country, seek to promote cultural relations with India by means of lectures and publications on the subject studied. Applicns. for next award will be received up to about Dec. 1954. Further particulars from the Registrar, University of Calcutta, Senate House, College Street, Calcutta, India.

[331] CAPE TOWN UNIV. * † ‡ (i) *Smartt Memorial Scholarship.* Value, £250 p.a. for 2 yrs., with possible extension for 3rd yr., for research in subjects relating to agriculture. Tenable at Univ. of Cape Town or elsewhere in South Africa at the discretion of the Council.

* † ‡ (ii) *Smuts Memorial Fellowship.* Value, not less than £300 p.a. for 2 yrs., with possible extension for 3rd yr., for study and research in botanical work on South African flora. Open to any qualified person whether South African or not but, other things being equal, preference given to a graduate of Univ. of Cape Town who is a citizen of Cape Town. The Fellow must carry out his work at the National Botanic Gardens and/or at the Univ. of Cape Town.

Further particulars from the Registrar, Univ. of Cape Town, Private Bag, Rondebosch, South Africa.

[331A] * † ‡ CARLETON COLL. *Scholarships and Fellowships* for study toward graduate diploma or M.A. in Public Administration. Value, $500-$1500 p.a. Details from Registrar, Carleton Coll., Ottawa 1, Ontario, Canada.

[332] 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 in the British Programme, all open to men and women.

* (i) *General Fellowships*, open to candidates between 23 and 32 yrs. of age who have not worked or studied in the United States for more than a few months. Candidates must be British subjects, not normally resident in Canada or in other British territories in or near North America, and must be graduates of a United Kingdom Univ. Twenty Fellowships are available.

* (ii) *Home Civil Service Fellowships*, open to candidates holding permanent appointments in the higher ranks of the Civil Service in Great Britain. Three Fellowships for administrative grades; two for scientific grades.

* † (iii) and (iv) *Dominion* and *Colonial Civil Service Fellowships*, open to candidates who hold appointments overseas under the Govts. of Australia and New Zealand, or the Govts. of British Colonies, Protectorates or Trust Territories distant from the United States. Five Dominion Service Fellowships, two Colonial Service Fellowships.

* (v) *Fellowships in 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 General Fellowships the monthly living allowances are: unmarried Fellows $220, married Fellows $275, with additional children's allowances. Closing dates for applications (on special forms): (i) Dec. 15; (ii), (iii) and (v) Dec. 31; (iv) Nov. 15. Full particulars of all categories (except iv) and application forms may be obtained from the Warden of Harkness House, 35 Portman Square, London, W.1. Candidates for category (iv) apply to Dr. H. C. Forster, P.O. Box 4079, Melbourne, Australia, or the Public Service Commission, Wellington, N.Z.

* † ‡ CORDAY-MORGAN MEMORIAL FUND EXECUTIVE. *Corday-Morgan Commonwealth Fellowship* in Chemistry. *See* Appendix II [277].

[333] * 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 N. Ireland. For 1953–54, Fellowships at Indiana, Princeton and Yale Univs. (men); Bryn Mawr, Radcliffe and Smith Colls. (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 1954–55.

*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.

[334] * † ‡ FULBRIGHT. *Travel Grants* for Lecturers, Advanced Research Workers, Teachers and Students, who are U.K. or Colonial citizens going to U.S.A. for academic or educational purposes. Dollar support in U.S.A. essential. Further particulars from United States Educational Commission in the United Kingdom, 55 Upper Brook St., London, W.1.

[335] * GOLDSMITHS' COMPANY. (i) *Postgraduate Travelling Scholarships* (5), to enable selected scholars to visit one of the Dominions or Colonies for 2 yrs., value adjusted to candidate's needs, but it is intended that each successful candidate should receive not less than £500 p.a. plus travelling allowance. Open to men and women of British parentage who are graduates of U.K. Univs. and under 24 yrs. of age.

Applications to Clerk of the Goldsmiths' Company, Goldsmiths' Hall, Foster Lane, E.C.2, *through the Registrar or other authority of the candidate's own Univ* and not direct.

(ii) *Scholarships* (2) tenable at African Colleges to enable students to undertake 1 yr.'s study or research at either Fourah Bay Coll., Sierra Leone; Univ. Coll. of the Gold Coast, Achimota; Univ. Coll., Ibadan, Nigeria; Makerere Coll., the Univ. Coll of E. Africa (Uganda); or Univ. Coll. of Khartoum, Anglo-Egyptian Sudan, in preparation for a degree at a Univ. or Univ. Coll. in the U.K. Value, £300 plus cost of return passage.

Applications to Clerk of Goldsmiths' Company on forms which may be obtained from him.

[336] * † ‡ HARVARD UNIV. The *Frank Knox Memorial Foundation,* which has been established in the conviction that co-operation between the British Commonwealth and the United States of America, based upon an informed and understanding contact of the peoples of these countries, is an essential to international peace, provides for an interchange of students, preferably graduates, between the Univs. of the British Commonwealth and Harvard Univ. Candidates for a Frank Knox Memorial Fellowship will be selected on the basis of future promise of leadership and will be required to study in one of the following Faculties at Harvard: Arts and Sciences, Business Design, Divinity, Education, Law, Public Administration, Engineering, Medicine, Public Health. The Fellowship for 1954–55 is tenable by a U.K. male student.

Last date for applications was March 1, 1954. Stipend: $2400. Further particulars from the Secretary, The Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1.

[337] * † ‡ HARVARD UNIV.: SCHOOL OF BUSINESS ADMINISTRATION. *Fellowships.* With the aim of contributing to Anglo-American understanding, co-operation and industrial development, the Harvard School of Business Administration, in conjunction with the British Institute of Management, awarded two fellowships tenable in 1953–54 at the Business School. Further particulars from the Director, British Institute of Management, Management House, 8 Hill St., London, W.1.

[338] * † HARVARD OR YALE UNIV. *Henry Fellowships.* Tenable for 1 yr. at Harvard or Yale. Value, £960. Candidates must be unmarried British subjects, men or women, under 26 yrs. of age, who are *either* graduates of a Univ. in the British Isles *or* graduates of a British Dominion Univ. studying at a Univ. in the British Isles, *or* undergraduates of a British Univ. who have completed at least 3 terms' residence in that Univ. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

* † IMPERIAL RELATIONS TRUST. *Travel Grants, see* Appendix II [22].

* † ‡ INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN. *International Research Fellowships, see* Appendix II [23].

[339] * † ‡ IRON AND STEEL INSTITUTE, 4 Grosvenor Gardens, London, S.W.1. (i) *Andrew Carnegie Travelling Scholarships.* One or two awarded annually. Value according to circumstances of each case but normally of order of £500, though smaller or substantially greater sums may be given. Usually tenable for 1 yr.; to assist recipients to conduct research outside their own countries.

(ii) *Carnegie Research Grants.* Tenable in the recipient's own country. No one grant will normally exceed £250 in a year.

Candidates for both categories of award must be under 35; no restriction on sex or nationality. To enable investigators to conduct researches into the metallurgy of iron and steel, the results of the research to be communicated to the Institute in the form of a report for publication. An Andrew Carnegie Gold or Silver Medal may be awarded to the author of the report which in the opinion of the Council is the most meritorious of the year.

Further particulars from the Secretary.

[340] * KING GEORGE VI. MEMORIAL FELLOWSHIPS. Sponsored by the English-Speaking Union of the United States; tenable at a number of American Univs. Up to 25 Fellowships available for 1954–55. Open to graduates of British Univs. and qualified students of British Technical Colls. Value, $2500, plus tuition, and travelling expenses to and from the U.S.A. Further particulars from Mrs. D. R. Dalton, B.A., Secretary, British Selection Committee, King George VI Memorial Fellowships, 37 Charles St., Berkeley Sq., London, W.1.

[341] * † LEVERHULME RESEARCH AWARDS. *Scholarships* (2) of £600 open to British-born subjects normally resident in U.K.; tenable for 1 yr. for advanced study in any European country. No subject (except modern languages) excluded from consideration, but preference given to subjects in the Arts Faculties. Candidates must be between 26 and 30 on Sept. 1. Closing date March 31. Further particulars and forms of application from the Secretary, Leverhulme Research Awards, 3/5 Salisbury Square, London, E.C.4.

[342] * 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 [174].

* † ‡ LONDON UNIV.: KING'S COLL. HOSPITAL MEDICAL SCHOOL. *Wiltshire Memorial Research Scholarship, see* Appendix II [176].

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social or Economic History, *see* Appendix II [133].

[342A] McGILL UNIV. * † ‡ (i) *Cominco Fellowship, see* [324]. * † ‡ (ii) *Shell Oil Fellowship, see* [324].

* † ‡ (iii) *American Viscose Corporation Sylvania Division Fellowship* in Cellulose Chemistry. Value, $1000 p.a. May be granted to a graduate of any recognized Univ. who is a British or American subject and is to carry out research on esters or ethers of cellulose in the Division of Cellulose and Industrial Chemistry, located in the Pulp and Paper Research Institute. Applications to Prof. C. B. Purves not later than May 1.

* † ‡ (iv) *Canada Packers Ltd. Fellowships* in Biochemistry. Renewable fellowships of $1000 annually to assist graduates of any approved Univ. to proceed to higher degrees in Biochemistry under the direction of Prof. J. H. Quastel, to whom application should be made before May 1.

* † ‡ (v) *J. B. Collip Fellowships* in Medical Research. Up to 3 awarded for study at McGill in Anatomy, Bacteriology, Biochemistry, Histology, Pathology, Pharmacology or Physiology. Value, $1500-$2500 each. Candidates must hold M.Sc. or Ph.D. in one of these subjects, or a degree in medicine, from a recognized Univ. Graduates of McGill medical fac. may be permitted to hold the fellowship at an approved institution elsewhere. Applications before Feb. 1 to Secretary of Fac. of Medicine, from whom application forms and further particulars may be obtained.

* † ‡ (vi) *Community Planning Fellowships.* Fellowships of $1000 probably available for graduates of any approved Univ. who are seeking a McGill master's degree in Geography, Architecture, Economics, Civil Engineering, Political Science or Sociology, and who are prepared to participate in the programme of research and study in community planning sponsored by these depts. Applications to Dean of Graduate Fac. before May 1.

* † ‡ (vii) *Gottesman Fellowship* in Wood Chemistry. For research in Pulp and Paper Research Institute under supervision of Dept. of Chemistry. Value, $800; offered annually. Candidate must be an American or British subject and a graduate of a recognized Univ.; he will normally be expected to register at McGill as a candidate for a higher degree. Applications to Prof. C. B. Purves not later than May 1.

* † ‡ (viii) *Harold Hibbert Memorial Fellowship.* Value, approx. $3000; open to candidates who hold a Ph.D. in Chemistry from an approved Univ. or have equivalent qualifications; tenable for one calendar yr. in Dept. of Chemistry at McGill, where holder is expected to devote full time to research. Not renewable. Letters of application to Dean of Graduate Fac. by May 1.

* † ‡ (ix) *Inco Fellowships* (3). Tenable by students working for master's degree in Inorganic or Physical Chemistry, Chemical Engineering, Mining, Metallurgy, or Geology. Value, $500 each. One of three awards tenable at McGill. Letters of application to Dean of Graduate Fac. by May. 1

* † ‡ (x) *Alexander McFee Fellowship.* Open to graduates of any approved Univ. who are resident full-time candidates for higher degrees or diplomas at McGill. Value, $1000. Award for 1952 in Medical Sciences (with preference for Cancer research), for 1953 in Physics, for 1954 in Chemistry and so on in rotation. Applications to Dean of Graduate Fac. before May 1.

* † ‡ (xi) *McGill-Arctic Institute Carnegie Scholarships.* Candidates must intend to proceed at McGill to a research programme involving field research in Arctic or Subarctic North America; this may be in Biology, Geology, Geography, Psychology, Sociology, etc. Normal value, $750 for winter session and $1500 for expenses of a field expedition the following summer. Applications to Arctic Institute, 3485 University St., Montreal, before May 1. Exceptionally, for experienced applicants, the summer's field work may precede the winter session of tenure, in which case applications must be received by Feb. 1. There is also a *Fellowship* of $4000, to assist a sr. worker in preparing a book or monograph based on field research already accomplished.

* † ‡ (xii) *Bronfman Fellowships* in Commerce and Economics. 2 of $1200 each offered to men and women who have graduated in Commerce or in Economics from accredited Univs. since Jan. 1, 1940. Holder entitled to apply again in subsequent yr. Holders expected to be in residence at McGill throughout academic session, and to be candidates for a higher degree at McGill. Small amount of teaching work may be asked. Application forms from Dean of Graduate Fac.,

to whom completed forms should be returned before May 1. Preference to applicants with previous research experience.

* † ‡ (xiii) *Islamic Institute Fellowships.* Several offered annually to graduate students enrolling in Islamic Institute and participating full time in its programme of research on Islam in the modern world, or preparing themselves to do so. Value, $1250 each. Candidate must hold good Honours degree from a recognized Univ. Previous training in oriental learning not a prerequisite, providing applicant has first-class standing in one of the humanities or social sciences (preferably the former) and has demonstrated an active and intelligent interest in intercultural or international affairs. Policy of Institute is to award its fellowships in such a way that the number of Muslims and Westerners in the research programme remains approx. equal.

* † ‡ (xiv) *Alexander Mackenzie Fellowship* in Political Science. Tenable by a graduate of any accredited Univ. Such tenure conditional upon acceptance by Dept. of Economics and Political Science of applicant as being entitled to admission to Fac. of Graduate Studies and Research in field of Political Science. Value, $950. Certain amount of tutorial and teaching work required of holder. Under certain conditions, which may be ascertained from Dept. of Economics and Political Science, fellowship may be held for 2nd or 3rd yr. Each candidate should send (i) a letter of application, (ii) a certified copy of his academic record, (iii) not more than 3 testimonials to Dean of Graduate Fac. before May 1. There are no application forms.

* † ‡ (xv) *Arthur C. Tagge Fellowship* in the Humanities and Social Sciences. Annual value, $1200. Tenable by graduate of any approved University proceeding to higher degree in any Dept. of the Humanities or the Social Sciences. Normally awarded for 1st yr. of graduate study and not renewable, but exceptions to these rules not excluded. Applications are invited from outstanding students in the last yr. of the undergraduate course, at McGill or elsewhere, and should reach the Dean of Graduate Faculty not later than May 1.

* † ‡ (xvi) *University Fellowships.* Tenable at McGill in the Humanities or Social Sciences by graduates of any approved Univ. who have been admitted to candidacy for a higher degree in these fields. Value, $800 each, or $400 for those who can live at home in Montreal. Applications to Dean of Graduate Fac., by letter, prior to May 1, and should be accompanied or preceded by an application for admission to Fac.

* † ‡ (xvii) *A. A. Browne Memorial Fund.* Used either for a fellowship (A. A. Browne Memorial Fellowship) or for a grant to a dept. to provide technical assistance, equipment and supplies for medical research. Fellowship open to graduates of any recognized medical school for advancement of medical science, special preference being given to subjects of Obstetrics and Gynæcology. Further particulars from Secretary of Fac. of Medicine.

* † ‡ (xviii) *H. W. Molson Fellowship* in Cancer Research. Annual value, not less than $1000; renewable for not more than 4 yrs.; open to graduates of any recognized medical school. Course of training and research decided by Strathcona Professor of Pathology and Professor

of Obstetrics and Gynæcology, and ordinarily comprises one or more yrs. of study in the Pathological Institute followed by clinical research in the Royal Victoria Hospital. Applications to Dean of Fac. of Medicine.

* † ‡ (xix) *John McCrae Fellowship*. Value, $1000; may be awarded to candidates of the following types: (1) Graduates of any approved medical school who are candidates for the Diploma in Surgery, Urology, Otolaryngology, Radiology, etc., or (2) McGill graduates in Medicine, or (3) graduates of any approved medical school proceeding towards a McGill M.Sc. or Ph.D. in fields related to Surgery, etc., it being understood in all cases that the holder is expected to spend 12 mos. in full-time lab. or clinical research at McGill or an approved institution elsewhere. Further particulars from Dean of Fac. of Medicine, to whom applications should be sent not later than May 1. Preference to candidates aiming at a course in Surgery, and to researches likely to contribute to Surgery and its branches.

* † ‡ (xx) *C.I.L. Fellowships* (2) in Chemistry, each of value of $1200, each with additional grant of $300 for research expenses; tenable in Dept. of Chemistry (one in Division of Industrial and Cellulose Chemistry). Open to any British subject who is a graduate of a recognized University. Normally tenable for 1 yr. only, but in special cases may be renewed for 2nd yr. Applications to Chairman of Dept. of Chemistry not later than May 1.

* † ‡ MANCHESTER UNIV. *Simon Research Fellowships, see* Appendix II [134].

[343] MANITOBA UNIV. * † ‡ (i) *Cominco Fellowship, see* [324].

* † ‡ (ii) *Canadian Industries Ltd. Research Fellowship*. Value, $1200 per yr. For postgraduate work in subjects related to the agricultural chemicals industry. Open to any British subject who is a graduate of a recognized Univ. Tenable for 1 yr. with possibility of renewal for a second yr.

* † ‡ (iii) *Manitoba Historical Society Fellowship*. Value, $2500. For study of the social history of a given ethnic group within the Province of Manitoba. Open to all applicants who have qualifications of a standard equivalent to the M.A. of an approved Univ. or such other standards as the Cttee. of Selection may approve.

Further information about (i) and (ii) from the Registrar and about (iii) from the Secretary of the Fellowship, c/o Dept. of History, Univ. of Manitoba, Winnipeg, Manitoba.

[344] 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. ordinarily at rate of $2600 p.a., and $3600 for married Fellow. Travelling expenses and some other allowances paid in addition.

* † ‡ (ii) *Ely Lilly Travelling Fellowships in Medicine*, intended for graduates resident in U.K. who have had some training in research work in clinical medicine or surgery or in some other branch of medical science, and who are likely to profit by a period of work at a centre in the U.S. before taking up positions for higher teaching or research in the U.K. Stipend for a single Fellow ordinarily at rate of $2600 p.a., and $3600 for married Fellow. Travelling expenses and some other allowances paid in addition.

* † (iii) *Dorothy Temple Cross Research Fellowships in Tuberculosis*, for study or research by suitably qualified British subjects "intending to devote themselves to the advancement by teaching or research of curative or preventive treatment of tuberculosis in all or any of its forms." Ordinarily for study outside U.K. and for 1 academic yr. Stipend £650 p.a. for single Fellow, and £900 p.a. for married Fellow, subject to adjustment in the case of Fellowships tenable outside the sterling area. Allowance for travelling and incidental expenses.

* † (iv) *Alexander Pigott Wernher Memorial Trust Travelling Fellowships*. Subjects: Ophthalmology and Otology. Open to suitably qualified medical graduates in the British Commonwealth who have had previous training in Ophthalmological or Otological research. Ordinarily tenable for 1 academic yr. Stipend and allowances as for Dorothy Temple Cross Fellowships (*see above*).

* (v) *French Exchange Scholarships* in Medical Science. Open to suitably qualified British graduates for study in some branch of medical science, excluding clinical medicine, at centres in France under a reciprocal scheme with the Centre National de la Recherche Scientifique. Provision is made for maintenance allowance and travelling expenses.

Further particulars from Secretary, Medical Research Council, 38 Old Queen Street, Westminster, London, S.W.1.

[345] * † MOND NICKEL FELLOWSHIPS COMMITTEE, 4 Grosvenor Gardens, London, S.W.1. A number of *Travelling Fellowships* are awarded annually in July to allow selected persons to undertake such training as will make them better capable of applying the results of research to the problems and processes of the British metallurgical and metal-using industries. Fellows are usually required to undergo a programme of training in industrial establishments, but in exceptional cases the Committee may grant awards for training at a Univ. or Coll. Open to graduates, who should be under 35 yrs., of British nationality, and normally resident in the United Kingdom; the Committee has discretion to make awards to persons resident in other parts of the British Commonwealth. Average value £1000, tenable for 1 yr., renewable in exceptional cases.

Further particulars from the Secretary.

[346] * † ‡ NATIONAL ACADEMY OF SCIENCES—THE ROYAL SOCIETY. *United States* (*F.O.A.*) *Research Fellowships*. In response to a request from the Organization for European Economic Co-operation, the United States Govt. has provided funds of over a million dollars to enable 150 outstanding young scientists from Europe to travel to and

live in the U.S.A. for up to 2 yrs. in order to study and gain experience in American research institutions. By this means it is hoped to advance scientific research and to facilitate the adoption of the results of scientific research in production techniques. The funds are available in the first instance until the end of 1955. The National Academy of Sciences, Washington, is administering the scheme and the Royal Society has accepted the invitation of the Academy to advise on the selection of candidates from the U.K. Successful candidates, who will be required to undertake to return to resume scientific work in their own countries on completion of tenure of fellowships, will be placed in American Univs. to participate with American colleagues in current fundamental scientific research as closely as possible related to their own fields of interest. Most of their time will be spent working in this way, but opportunities may also be provided towards the end of the tenure of the fellowship for work on problems in industrial or other labs. in applied research related to the fundamental research they have previously carried out.

About 25 fellowships will be open for award to candidates from the U.K. No age limits are specified, but it is expected that most of the successful candidates will be between 26 and 32 yrs. of age. Applications will be considered from candidates who propose to do research in the natural sciences and in the engineering, agricultural and medical sciences, but excluding clinical medicine. They must be in possession of a doctoral degree in science recognized in institutions of higher education or have equivalent experience.

Applications, which may be made at any time, will be considered at regular intervals. Forms of application and further information from the Asst. Secretary, The Royal Society, Burlington House, London, W.1.

[347] * † ‡ NATIONAL RESEARCH COUNCIL OF CANADA. *Post-doctorate Fellowships.* Mainly for research in Pure Chemistry and Physics. Tenable at N.R.C. Laboratories in Canada; also a limited number tenable in Canadian Univs. Applicants should possess a Ph.D. or equivalent from a recognized Univ. or should expect to obtain such a degree before taking up this award. Tenable for 1 yr., with possibility of renewal for a 2nd yr. Details normally advertised in Commonwealth Univs. towards the end of each calendar yr. Further information from the Secretary, Laboratories Awards Committee, National Research Council, Ottawa, Canada, or from the Chief Scientific Liaison Officer, National Research Council of Canada, Africa House, Kingsway, London, W.C.2.

[348] * † ‡ NEW SOUTH WALES UNIV. OF TECHNOLOGY. (i) *I.C.I.A.N.Z. Research Fellowship.* Value, £A. 600 p.a. for 2 yrs. Established with a view to promoting knowledge in those fields which have some direct relation to the scientific interests and national responsibilities of the Imperial Chemical Industries of Australia and New Zealand, Ltd., such as Pure and Applied Chemistry, Biochemistry, Agricultural Science, Chemotherapy, Pharmacology, Physics, Engineering, Mining and Metallurgy. Applicants must be *subjects* of a nation in

the British Commonwealth and graduates of a recognized Univ. Awarded every 2 yrs. Applications by Nov. 30.

(ii) *Monsanto Research Scholarship.* Established by Monsanto Chemicals (Australia) Ltd. to promote research in Chemical Engineering. Annual total value of £A. 600 of which £A. 450 will be paid to the scholar, the remaining £A. 150 to the scholar or to the Univ. towards meeting expenses connected with scholar's work. Tenure, normally 1 yr.; may be reawarded for an additional year. Awarded annually. Applications by Dec. 31.

Further particulars from the Registrar, New South Wales University of Technology, Broadway, Sydney, N.S.W., Australia.

[349] * † NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *National Research Scholarships.* Six awarded annually to enable selected science graduates to continue their studies in New Zealand and abroad. One awarded annually to applicants from the British Commonwealth for study in New Zealand. Tenure is for 2 yrs. with possibility of extension for 1 addl. yr. Value: for N.Z. students studying in the U.K. and for U.K. students studying in N.Z., £350 p.a. plus £100 towards travelling expenses between U.K. and N.Z.; for N.Z. students studying in N.Z. or Australia, £250 p.a. In addition, all scholarship holders may be paid up to £100 towards the costs of books, apparatus and college fees. U.K. students may obtain further particulars from the N.Z. Scientific Liaison Officer, B.C.S.O., Africa House, Kingsway, London, W.C.2.

[350] * 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.

[351] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. (i) *Medical and Dental Fellowships see* [124] and [181].

(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.

* † ‡ OXFORD UNIV.: LADY MARGARET HALL. *Susette Taylor Fellowship, see* Appendix II [37].

[352] * PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. *Charter Travelling Scholarship.* Value, £600. Offered normally each 2nd yr. Last award 1954. Tenable for 1 yr., 9 calendar mos. of which must be outside Gt. Britain, to enable the

scholar to further his training in a particular subject or subjects, to extend his teaching experience or to undertake research outside Gt. Britain. Applicants must be members of Pharm. Soc. of Gt. Britain. Further particulars from the Secretary.

[353] * † PRINCETON UNIV. *Procter Visiting Fellowships.* Candidates must be unmarried male citizens of the Commonwealth, not over 30 yrs. of age and must have taken at least a B.A. degree. Tenable for 1 yr. at Princeton with possibility of renewal. Fellows required to devote themselves to advanced study and investigation in a branch or subject of one of the liberal arts and sciences, exclusive of professional, technical or commercial subjects. Value £960 p.a. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

* † ‡ QUEEN'S UNIV. (i) *Cominco Fellowship, see* [324]. (ii) *Shell Oil Fellowship, see* [324].

[354] * † ‡ RHODES UNIV. *Hugh Le May Fellowship.* Awarded annually. Value £700 for 1 yr., renewable for 2nd yr. only in exceptional circumstances. Open to men and women, for advanced work in one of the following: Philosophy; Theology; Classics; Ancient, Mediæval or Modern History; Classical, Biblical, Mediæval or Modern Languages; Political Theory; Law. If no candidate of sufficient merit in these subjects presents himself, the Fellowship may be awarded to a candidate in some other subject within the Fac. of Arts. Designed not merely for those desirous of prosecuting "research" in the narrower sense but also for those who may wish to devote themselves to work of criticism or synthesis.

Applications before May 17 to Registrar, Rhodes University, P.O. Box 94, Grahamstown, C.P., South Africa, from whom further particulars may be obtained.

* † ‡ ROTARY INTERNATIONAL. *Rotary Foundation Fellowships, see* Appendix II [43].

ROYAL COLL. OF SURGEONS. * † (i) *Sir Arthur Sims Commonwealth Travelling Scholarship, see* Appendix II [186].

* † (ii) *Sir Wm. Lister Award in Ophthalmology, see* Appendix II [209].

* † ROYAL SOCIETY. *John Murray Studentship* for the encouragement of travel and work in Oceanography and Limnology, *see* Appendix II [165]. (ii) *Rutherford Scholarship, see* Appendix II [254].

[355] * † ‡ ROYAL SOCIETY AND NUFFIELD FOUNDATION. *Commonwealth Bursaries.* "For encouraging the efficiency of scientists of proven worth from countries of the Commonwealth by enabling them to pursue research, learn techniques or follow other forms of study where the environment in another Commonwealth country is peculiarly favourable." Travel and maintenance at the rate of about £600 p.a. are provided for periods of 2 to 12 mos. Applications by March 15 and Sept. 15 each yr. to the Asst. Secretary, The Royal Society, Burlington House, London, W.1, from whom forms of application and further particulars may be obtained.

[356] * † ‡ SASKATCHEWAN UNIV. (i) *Cominco Fellowship, see* [324].
(ii) *Canadian Industries Ltd. Fellowship.* Annual value $1200 plus grant to Univ. of $300 for maintenance. Intended to encourage postgraduate study in Dept. of Chemistry leading to a doctorate degree. Open to any British subject who is a graduate of a recognized Univ. May be renewed, under certain conditions, for further term of one yr. Full information and application forms from Chemistry Dept. Applications must be made before Feb. 1.
(iii) *Province of Saskatchewan Graduate Research Scholarships.* The Govt. of the Province of Saskatchewan, through the Saskatchewan Research Council, offers 4 graduate research scholps. tenable at Saskatchewan Univ., for the purpose of encouraging and assisting graduate students of great promise to proceed to higher degrees in preparation for a career in scientific and industrial research. Further object is to create interest in research relating to development of natural resources of the Province and to train staff necessary to carry on scientific and technical work of industries that may be established in the Province. Annual value of each scholp., $600 or $900, depending upon recipients' graduate experience. Applications to Co-ordinator of Research of Saskatchewan Research Council, Univ. of Saskatchewan, through Head of the Univ. Dept. concerned, before Jan. 20 preceding commencement of scholp. yr. Further information from Co-ordinator of Research.

[357] * 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.

[358] * † ‡ SYDNEY UNIV. *A. E. and F. A. Q. Stephens Research Fellowship.* Awarded for 1 yr. in first instance, but may be renewed for 2nd yr. Annual value, £A. 750, payable half-yearly in advance. Tenable at Univ. of Sydney in any Faculty by graduates of other Australian Univs. or of any Univ. overseas who produce satisfactory evidence of research experience. Intended to promote and encourage research work within the Univ. of Sydney by graduates of other Univs. Continued tenure is subject to satisfactory half-yearly reports by the Fellow on the progress of his work. At the conclusion of his tenure, he will be required to submit a paper or report embodying the results of his investigation or experience. Except with the consent of the Vice-Chancellor, a Fellow will not be permitted to undertake employment for payment during his tenure. Applications by Sept. 30 to Registrar, Univ. of Sydney, Sydney, N.S.W., Australia.

[359] * † ‡ TASMANIA UNIV. *I.C.I.A.N.Z. Research Fellowship.* Research Fellowship in Pure and Applied Chemistry, Biochemistry,

Agricultural Science, Chemotherapy, Pharmacology, Physics, Engineering, Mining and Metallurgy, and such other fields as have some direct relation to the scientific interests and national responsibilities of Imperial Chemical Industries of Australia and New Zealand Ltd. Candidates must be *subjects* of a nation in the British Commonwealth and hold degrees of honours standard in Science or Engineering. Value max. £A. 600 p.a., tenure normally 2 yrs. Awarded every 2 yrs. Further information about next award and application forms from Registrar, University of Tasmania, Box 647 C, G.P.O., Hobart, Tas. Closing date for applications for last award, Feb. 1, 1954.

* † ‡ TORONTO UNIV. (i) *Cominco Fellowship, see* [324]. (ii) *Shell Oil Fellowship, see* [324].

* UNITED DAIRIES. *Travelling or Research Scholarship, see* Appendix II [55].

[360] * † ‡ UNITED STATES GOVERNMENT. *Grants* in dollars may be made (1) to enable sr. British scholars to lecture or carry out research at an advanced professional level at Univs. in U.S.A. Minimum period of grant 3 mos., maximum 10 mos. Monthly stipend will not exceed $270; (2) to enable British graduate students and young professionals under 35 to attend Univs. in the U.S. for study or research. Tenable for one academic yr. (10 mos.). Value of award varies with cost of living. Candidates must be citizens of the United Kingdom or Colonies. Citizens of Commonwealth countries should apply to the American Embassy in their own country. These grants are offered for the academic year 1954–55 (September 1954 to June 1955). Those resident in U.K. may obtain further particulars from Cultural Affairs Officer, United States Information Service, 41 Grosvenor Sq., London, W.1.

# APPENDIX IV

## STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES

The total number of students from other countries * enrolled for full-time study or research † in United Kingdom Universities and University Colleges at the beginning of the academic year 1952–53 was 8277 (7105 men, 1172 women), which compares with 7622 in 1951–52 and 6264 in 1938–39. Of these, 4749 came to the United Kingdom from other parts of the Commonwealth (Aden 3, Australia 400, Basutoland 2, Bermuda 14, British Guiana 62, British Honduras 8, British Somaliland 1, British West Indies 344, Cameroons 1, Canada 390, Ceylon 186, Cyprus 75, Fiji Islands 1, Gambia 7, Gibraltar 15, Gold Coast 182, Hong Kong 68, India 974, Kenya 149, Malaya (Federation of) (*see also* Singapore) 176, Malta 24, Mauritius 109, New Zealand 218, Nigeria 402, North Borneo 1, Northern Rhodesia 15, Nyasaland 4, Pakistan 247, Sarawak 3, Seychelles 5, Sierra Leone 41, Singapore (*see also* Malaya (Federation of)) 45, South Africa (Union of) 441, Southern Rhodesia 60, Tanganyika 27, Uganda 39, Zanzibar 10).

The 8277 overseas students were distributed in the Universities and Colleges as follows :

Birmingham 258, Bristol 152, Cambridge 810, Durham 336 (Durham Colleges 30, King's College, Newcastle 306), Leeds 247, Liverpool 152, London‡ 3508 (Courtauld Inst. of Art 20, Inst. of Archæology 9, Inst. of Education 246, Sch. of Slavonic and East European Studies 19, Warburg Inst. 1, Bedford 39, Birkbeck 33, Imperial 308, King's 103, L.S.E. 500, Queen Elizabeth 6, Queen Mary 44, Royal Holloway 10, Royal Veterinary 21, Sch. of Oriental and African Studies 101, Sch. of Pharmacy 13, University 526, Westfield 10, Wye 14, Theological Schools 5, Charing Cross 6, Guy's 78, King's Coll. Hosp. Med Sch. 19, London Hosp. Med. Coll. 24, Middlesex 16, Royal Dental 2, Royal Free 36, St. Bartholomew's 24, St. George's 15, St. Mary's 34, St. Thomas's 26, University Coll. Hosp. Med. Sch. 17, Westminster 7, British Postgraduate Med. Fed. 518, London Sch. of Hygiene 88, Lister Inst. 6, Institutions with Recognized Teachers 564), Manchester 360, Nottingham 87, Oxford 697, Reading 34, Sheffield 127, Southampton 42,

* For *Yearbook* purposes a student is " from abroad " if his permanent home residence is overseas, *i.e.* one whose parents are only temporarily resident or employed abroad is not included, nor is one who was born abroad and may therefore have a foreign nationality, but who is now living permanently in the United Kingdom. For the purposes of this list the Channel Islands are not treated as " abroad."

† " Occasional " ***undergraduate*** students who follow a full-time course for a short period without intending to read for a University degree, diploma or certificate are not included. ‡ External students are not included.

Wales 133 (Aberystwyth 25, Bangor 28, Cardiff 52, Swansea 21, Welsh National Sch. of Med. 7), Exeter 109, Hull 64, Leicester 28, North Staffordshire 8, Aberdeen 55, Edinburgh 561, Glasgow 198, Royal Technical Coll. 66, St. Andrews 108, Belfast 137.

The countries from which the greatest numbers of students came were: India 974, U.S.A. 728, South Africa (Union of) 441, Nigeria 402, Australia 400, Canada 390, Egypt 377, British West Indies 344.

The analysis below gives the total number of students from each of the various overseas countries, together with an indication of their distribution at Universities here.

ASIA—Total, 2599

*Aden*—3. *Afghanistan*—5. *Arabia*—10. *Burma*—65: Cambridge 4, London 39, Manchester 3, Edinburgh 5, Glasgow 5. *Ceylon*—186: Cambridge 32, London 87, Manchester 11, Oxford 9, Edinburgh 10. *China*—46: Cambridge 4, Leeds 3, London 25, Manchester 4, Edinburgh 3. *Cyprus*—75: Cambridge 7, London 33, Sheffield 4, Edinburgh 8. *Hong Kong*—68: Cambridge 8, Leeds 6, London 27, Manchester 6, Exeter 5. *India*—974: Cambridge 84, Leeds 41, London 471, Manchester 59, Edinburgh 84, Glasgow 51. *Indo-China*—8. *Indonesia* (*United States of*)—11. *Iraq*—169: Birmingham 9, London 90, Manchester 9, Wales 12, Belfast 13. *Israel*—93: Birmingham 3, Cambridge 6, Leeds 6, London 59, Manchester 5. *Japan*—13. *Jordan*—37: London 30, Edinburgh 2. *Korea*—2. *Lebanon*—18. *Malaya* (*Federation of*) (*see also* Singapore)—176: Bristol 12, Cambridge 20, London 62, Wales 12, Belfast 14. *Nepal*—3. *North Borneo*—1. *Pakistan*—247: Cambridge 27, London 120, Manchester 15, Oxford 13, Edinburgh 16. *Palestine*—16. *Persia*—95: Birmingham 32, Durham 4, London 37, Oxford 3, Edinburgh 3. *Philippine Islands*—5. [*Portuguese*] *India*—1. *Sarawak*—3. *Singapore* (*see also* Malaya (Federation of))—45: Cambridge 5, Durham 3, London 21, Exeter 3, Belfast 3. *Syria*—26: Cambridge 4, London 12. *Thailand*—138: Durham 11, Liverpool 15, London 43, Manchester 17, Nottingham 13. *Tibet*—1. *Turkey*—59: Cambridge 9, Leeds 7, London 22, Manchester 4.

AFRICA—Total, 1983

*Algeria*—2. *Anglo-Egyptian Sudan*—56: Durham 6, London 10. *Basutoland*—2. [*British*] *Cameroons*—1. *British Somaliland*—1. *Egypt*—377: Cambridge 28, Leeds 16, London 176, Manchester 38, Edinburgh 19. *Ethiopia*—35: London 18, Manchester 3. *Gambia*—7. *Gold Coast*—182: Cambridge 9, Durham 16, London 63, Exeter 9, Hull 11. *Kenya*—149: Cambridge 13, Durham 13, London 40, Wales, 9, Edinburgh 15. *Liberia*—4. *Libya*—4. *Mauritius*—109: Durham 22, London 35, Oxford 6, Wales 6. *Morocco*—8. *Mozambique*—1. *Nigeria*—402: Durham 43, London 170, Exeter 24, Hull 32, Glasgow 14. *Northern Rhodesia*—15. *Nyasaland*—4. *Seychelles*—5. *Sierra Leone*—41: Birmingham 4, Durham 5, London 9, Edinburgh 4. *South Africa* (*Union of*)—441: Cambridge 82, Durham 15, London 189, Oxford 74, Edinburgh 30. *Southern Rhodesia*—60: Cambridge 10, London 22, Oxford 8, Edinburgh 10, St. Andrews 3. *Tanganyika*—27:

Durham 4, London 10, Wales 4, St. Andrews 2. *Tunisia*—1. *Uganda*—39 : Durham 4, London 9, Wales 6, Exeter 5. *Zanzibar*—10.

AMERICA—Total, 1638

*Argentine*—30 : Cambridge 7, London 10, Manchester 3, Oxford 4. *Bermuda*—14. *Bolivia*—2. *Brazil*—12. *British Guiana*—62 : Birmingham 4, Cambridge 4, London 31, Aberdeen 4, Edinburgh 4, Belfast 4. *British Honduras*—8. *British West Indies*—344 (*Antigua*—5 ; *Bahamas*—4 ; *Barbados*—35 : Cambridge 12, Durham 2, London 7, Oxford 7, Edinburgh 2 ; *Dominica*—4 ; *Grenada*—30 : Leeds 2, London 20, Edinburgh 4 ; *Jamaica*—106 : Cambridge 9, Durham 6, London 40, Oxford 12, Edinburgh 13 ; *Montserrat*—4 ; *St. Lucia*—9 ; *St. Vincent*—3 ; *Trinidad and Tobago*—140 : Birmingham 14, Cambridge 11, London 40, Edinburgh 11, Belfast 9 ; *island not specified*—4). *Canada*—390 : Birmingham 13, Cambridge 52, London 187, Oxford 67, Edinburgh 25. *Chile*—11. *Colombia*—5. *Costa Rica*—1. *Cuba*—2. *Ecuador*—5. *Guatemala*—2. *Honduras* [*Republic*]—1. *Martinique*—1. *Mexico*—4. *Nicaragua*—1. *Panama*—2. *Peru*—3. *Puerto Rico*—1. *Salvador*—2. *U.S.A.*—728 : Birmingham 25, Cambridge 102, London 228, Oxford 176, Edinburgh 102. *Uruguay*—4. *Venezuela*—3.

EUROPE—Total, 1431

*Austria*—17. *Belgium*—35 : Cambridge 3, London 16, Oxford 7, Sheffield 3. *Bulgaria*—1. *Czechoslovakia*—33 : Durham 4, London 16, Edinburgh 2, Belfast 5. *Denmark*—37 : Durham 4, Leeds 5, London 15, Oxford 3, Edinburgh 4. *Finland*—13. *France*—81 : Cambridge 10, Leeds 3, London 36, Oxford 17, Edinburgh 5. *Germany*—129 : Cambridge 8, London 62, Oxford 8, Edinburgh 13. *Gibraltar*—15. *Greece*—152 : Cambridge 10, Durham 10, Leeds 32, London 38, Manchester 20. *Hungary*—12. *Iceland*—19. *Ireland* (*Republic of*)—72 : Cambridge 14, Leeds 5, Liverpool 6, London 34, Oxford 5. *Italy*—42 : Cambridge 4, Leeds 4, London 23, Oxford 5. *Luxembourg*—5. *Malta*—24 : Liverpool 2, London 10, Manchester 2, Oxford 5. *Netherlands*—68 : Cambridge 8, Leeds 4, London 26, Manchester 5, Edinburgh 10. *Norway*—248 : Birmingham 16, Durham 44, Leeds 16, London 44, Manchester 27, Glasgow 25. *Poland*—258 : Birmingham 6, Durham 6, London 185, Edinburgh 17, Belfast 10. *Portugal*—24 : Cambridge 3, Leeds 4, London 9. *Rumania*—1. *Spain*—29 : Birmingham 4, Cambridge 2, Durham 3, London 12, Oxford 4. *Sweden*—19. *Switzerland*—54 : Cambridge 7, London 33, Manchester 3, Edinburgh 5. *U.S.S.R.*—13. *Yugoslavia*—30 : Birmingham 6, London 13.

AUSTRALASIA—Total, 619

*Australia*—400 : Cambridge 82, London 169, Manchester 16, Oxford 83, Edinburgh 13. *Fiji Islands*—1. *New Zealand*—218 : Cambridge 40, Leeds 10, London 95, Oxford 24, Edinburgh 18.

STATELESS—7

# APPENDIX V

## COMMONWEALTH STUDIES IN UNITED KINGDOM UNIVERSITIES

A summary of the regulations governing the admission of students from the Commonwealth overseas to the United Kingdom Universities will be found in Appendix I above.

Appendix II lists many Fellowships and Scholarships which are tenable at United Kingdom Universities and University Colleges and for which graduates from the Commonwealth overseas are eligible to compete. University teachers on study leave, and postgraduate research workers, wishing to travel to the United Kingdom from another part of the Commonwealth, should note especially the Commonwealth University Interchange arrangements summarized on p. 1568. The awards listed in Appendix II are " open," *i.e.* not restricted to graduates of any one University. There are also other, restricted, awards, *e.g.* the Beaverbrook Scholarships tenable only at London University by graduates from the University of New Brunswick, Mount Allison University and University of Bishop's College, Lennoxville; the " Toronto " Fund, administered by Manchester University, from which grants are made to Canadian students, with a preference for those from the University of Toronto, who wish to conduct postgraduate study or research at Manchester; and the " 1940 Toronto Fund " (set up in 1947 with funds derived from contributions from Oxford parents of children who received hospitality in Canada during the war), from which grants are made to undergraduates or graduates of the University of Toronto who wish to attend a United Kingdom University.

Commonwealth Fellowships are sponsored by the Carnegie Corporation of New York in collaboration with the Institute of Commonwealth Studies (University of London), the Royal Institute of International Affairs, London, and St. Antony's College, Oxford. A limited number of fellowships is offered from time to time to scholars in Commonwealth Universities to enable them to spend a period of approximately 1 yr. at one of the collaborating institutions. The fellowships are *by invitation only* and individual applications are not entertained.

There are ample facilities at United Kingdom Universities and Colleges for the study of the Commonwealth and Colonial aspects of a great many subjects, including Agriculture, Anthropology, Archæology, Botany, Economics, Geography, History, Law, Medicine (especially Tropical Medicine), Politics and Zoology. For details, *see* individual University entries above and the official publications of the various Universities. Attention is drawn to the following appointments and institutes

BRISTOL. Professor of Imperial History; Lecturer in Colonial History and Administration.

CAMBRIDGE. A Smuts Memorial Fund, raised by public subscription to commemorate General Smuts' part in the development of the conception of the Commonwealth, has been presented to the University for the endowment of Commonwealth Studies at Cambridge. The establishment of a Smuts Professorship of the History of the British Commonwealth was a first charge on the fund, and P. N. S. Mansergh, O.B.E., B.Litt., M.A., D.Phil. Oxon., has been elected the first Professor. A Board of Managers will make recommendations from time to time for the advancement of Commonwealth Studies, in the widest sense of the term, by the use of the remainder of the income of the fund.

LONDON. The University of London established in 1949 an Institute of Commonwealth Studies, with the object of promoting the study of Commonwealth problems (*see* p. 217); 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 Education in Colonial Areas. *Readerships*—Colonial Administration; Imperial History; Law, with special reference to administration of Law in Colonial Territories.

OXFORD. An Institute for Colonial Studies was established in 1945; further information from the Director, 10 Keble Road, Oxford. University appointments include the following: Beit Professor of the History of the British Empire; Professor of Colonial Economic Affairs; Reader in Colonial Government; Reader in Indian History; Reader in Islamic Studies; Beit Lecturer in the History of the British Empire; University Lecturers in Social Anthropology, Colonial Administration, Colonial Economics, Economics of Colonial Agriculture, Colonial History, Colonial Agriculture, Colonial Geography.

WALES. University College of Wales, Aberystwyth. Lecturer in Colonial History in Dept. of International Politics.

# APPENDIX VI

## UNIVERSITIES OF THE REPUBLIC OF IRELAND

*The following are associated for historical reasons with the Universities of the Commonwealth:*

UNIVERSITY OF DUBLIN, TRINITY COLLEGE (p. 1670)
NATIONAL UNIVERSITY OF IRELAND (p. 1681)
UNIVERSITY COLLEGE, DUBLIN (p. 1684)
UNIVERSITY COLLEGE, CORK (p. 1690)
UNIVERSITY COLLEGE, GALWAY (p. 1695)

[*Information compiled as at* 30/9/53.]

## 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—A. J. MCCONNELL, D. d'U. Rome, M.A., Sc.D.

LIBRARIAN—H. W. PARKE, M.A., Litt.D.

REGISTRAR—G. F. MITCHELL, M.A., M.Sc.

SENIOR LECTURER—D. E. W. WORMELL, M.A. Camb., Ph.D. Yale.

SENIOR TUTOR—T. W. MOODY, B.A. Belf., Ph.D. Lond., M.A.

REPRESENTATIVES IN SEANAD EIREANN—W. R. FEARON, M.A., M.B., Sc.D.; W. J. E. JESSOP, M.Sc., M.D.; W. B. STANFORD, M.A., Litt.D.

SENIOR FELLOWS OF THE COLLEGE—

Gwynn, Rev. R. M., M.A., B.D., *Catechist.*
Thrift, H., M.A., *Auditor.*
Luce, Rev. A. A., Litt.D., D.D.

Johnston, J., M.A.
Godfrey, F. La T., M.A., *Sr. Proctor and Sr. Dean.*
Fearon, W. R., M.A., M.B., Sc.D.
Parke, H. W., M.A. Dub. and Oxon., Litt.D., *Vice-Provost and Librarian.*

JUNIOR FELLOWS OF THE COLLEGE—

Duncan, G. A., M.A., LL.B., *Bursar.*
Broderick, T. S., M.A.
Walton, E. T. S., Ph.D. Camb., M.A., M.Sc.
*Stanford, W. B., M.A., Litt.D.
Wormell, D. E. W., M.A. Camb., Ph.D. Yale, *Sr. Lectr. and Public Orator.*
Moody, T. W., B.A. Belf., Ph.D. Lond., M.A., *Sr. Tutor.*
O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I.
Mitchell, G. F., M.A., M.Sc., *Registrar.*
*Quin, E. G., M.A.
*Furlong, E. J. J., M.A.
*Gregg, A. H., M.Sc. Belf., Ph.D. Lond., M.A.
*Smyth, J. D., B.Sc., Ph.D.
*Luce, J. V., M.A.
Webb, D. A., M.A., Ph.D., Sc.D.
Pyle, W. F., M.A., Ph.D.
*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.
*Chubb, F. S., M.A., D.Phil. Oxon.
Allen, A. C., B.Sc. Belf., Ph.D. Prin.

HONORARY FELLOWS—

Ross, Sir W. David, Litt.D.
Dixon, H. H., Sc.D., F.R.S.
Weaver, J. R. H., M.A., Litt.D.
Clark, Sir G. N., M.A. Camb. and Oxon., LL.D. Aberd., Dr. L.C. Utrecht, D.Litt. Durh., Oxon. and Sheff., Litt.D., F.B.A.

## TEACHING STAFF

*Anatomy, Human, and Embryol.*, v. also Zool.

Erskine, C. A., Ph.D. Prof.
Gill, F., M.D. Univ. Anatomist.
Kinnear, N. A., M.B. (App. Anat.) Lectr.
Weekes, Blanche, M.B., M.Sc. (Hum. Anat.) Lectr.

Demonstrators

Cockrill, J. N., M.B.
Bennet, E. G., M.B.
Fisher, B. W., M.B.

*Anglo-Saxon*

Liddell, M. F., M.A., Ph.D. Lectr.

*Art, History of* [Hon. Prof.

Bodkin, T., Chev. Lég. d'H., M.A. Birm., D.Litt. N.U.I., Litt.D.

*Astronomy*

O'Connor, F. J., M.A. Lectr.

*Biochemistry*, v. Medicine, *infra*

*Botany and Plant Biol.*

Webb, D. A., M.A., Ph.D., Sc.D. Prof.
Dawson, G. W. P., B.A. Camb., M.A., B.Sc. Lond. Lectr.
Boatman, D. J., B.Sc., Ph.D. Lond. Asst.

*Celtic Languages*, v. also Irish

Knott, Eleanor, D.Litt. N.U.I., M.A. Lectr.
Quin, E. G., M.A. Lectr.

*Chemistry*

Cocker, W., 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., M.A. Lectr.
Hutchison, H. P., M.A. Oxon. Lectr.
Edward, J. T., B.Sc., Ph.D. McG., D.Phil. Oxon. Lectr.
Wheeler, D. M. S., B.Sc. N.U.I. Asst.
Williamson, W. R. N., B.A., B.Sc. Demr.

*Classical Archæol.*

Parke, H. W., M.A., Litt.D. Louis Claude Purser Lectr.

*Classics*

Stanford, W. B., M.A., Litt.D. (Greek) Regius Prof.
Wormell, D. E. W., M.A. Camb., Ph.D. Yale (Latin) Prof.
Luce, J. V., M.A. Lectr.

*Commerce*

Lecturers

Byrne, J. J., M.A., LL.B. N.U.I., M.Sc. Camb. (Econ.).
Lyons, F. S. L., M.A., Ph.D. (Econ. Hist.).
Haughton, J. P., M.A., M.Sc. (Comm. Geog.).
Butler, W. B., M.A. (Accounting).
Thornton, E. H., M.A., M.Sc. (Econ.) Lond. (Statistics).
Magrath, C. R. R., M.A. (Bus. Organ., Banking, Foreign Trade).
Moran, Frances E., LL.D. (Comm. Law).
Corrigan, T. H., M.A. (Insurance).
Smurthwaite, J. (Indust. Psychol.).
Foley, P. A. (Transport).
Pakenham-Walsh, A. A., B.A. (Money and Credit).

*Dentistry*

Friel, E. S., M.Dent.Sc., Sc.D. (Orthodontics) Prof.
Ganly, A., B.Dent.Sc. (Dental Prosthetics) Lectr.
O'Brien, B. E., M.B. (Med. for Dental Students) Lectr.
Dockrell, R. B., B.Dent.Sc., M.B. (Dental Anat.) Lectr.
Healy, K. G., L.D.S. (Dental Surg.) Lectr.
Hogan, N. J., M.B., B.Dent.Sc. (Oral Surg.) Lectr.

*Divinity*, v. Theol., *infra*

*Economics*, v. Polit. Econ. and Commerce

*Education*

Crawford, Rev. E. A., B.D., Ph.D. Prof.
Little, Mrs. Anita C., M.A. Asst.
Layng, A. E., LL.D. Asst.
Wilson, C. D., B.A. Asst.

*Engineering, Civil*

Purser, J., M.Sc. Birm., M.A., M.A.I. Prof.
Graham, V. W., M.A. Lectr.
Roberts, A. I. N., B.A. Camb., M.A., B.A.I. (Building Construction) Lectr.
Fitzgibbon, G., M.A., M.A.I. Lectr.
Warwick, F. W., M.A., B.Sc. N.U.I. Lectr.
Kirwan, R. W., M.A.I. Asst.

*Engineering, Electrical*

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., Ph.D. Camb. Lectr.

*French*

Arnould, E. J. F., Ph.D., D.Lit. Lond., D. ès L. Paris Prof.
Skeffington, O. L. S., M.A., Ph.D. Reader.
Orgel, Vera, Ph.D. Lectr.
Leventhal, A. J., M.A., Ph.D. Lectr.
North, Meta E., M.A. Asst.

*Geography*

Lane, E. V., M.A. Liv. Lectr.
Haughton, J. P., M.A., M.Sc. Lectr.

*Geology and Mineralogy*

Gill, W. D., D.Sc. Leeds, F.G.S. Prof.
Mitchell, G. F., M.A., M.Sc. Lectr.
Nevill, W. E., B.A., Ph.D. Lectr.

*Geophysics*

Poole, J. H. J., M.A., M.A.I., Sc.D. Prof.

*German*

Liddell, M. F., M.A. Dub. and Edin., Ph.D. Birm. Prof.
Scheyer, E., M.A. 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.

Lecturers

McDowell, R. B., M.A., Ph.D.
Lyons, F. S. L., M.A., Ph.D.
Large, D., B.A. Oxon.
O'Sullivan, D., M.A., Litt.D. (Internat. Affairs).

*Irish*

O'Toole, E., M.A. Dub. and N.U.I. Prof.
Knott, Eleanor, D.Litt. N.U.I., M.A. (Early Irish) Prof.
O'Rahilly, T. F., M.A., Hon. D.Litt. Celt. N.U.I., Hon. Litt.D. (Irish Lang.) Hon. Prof.
Beaumont, J. N., M.A. Lectr.
Risk, Mrs. May H., B.A., Ph.D. Lectr.
Ni Ghuairim, Miss Sorcha, M.A. Asst.

*Irish Archæology*

Mitchell, G. F., M.A., M.Sc. Lectr.

*Italian*

Griffith, T. G., M.A., B.Litt. Oxon. Lectr.
Tomacelli, E., D.Giur. Naples Lectr.

*Law*, v. *infra*

*Mathematics*

Broderick, T. S., M.A. Dub. and N.U.I. Erasmus Smith's Prof.
McConnell, A. J., D. d'U. Rome, M.A., Sc.D. Prof.

Lecturers

Allen, A. C., B.Sc. Belf., Ph.D. Prin.
Meredith, C. A., M.A. Camb.
Spain, B., Ph.D. Edin., M.Sc.
Graham, V. W., M.A.
Gardner, G. H. F., B.A.

*Medicine*, v. *infra*

*Music*

Hewson, G. H. P., M.A., Mus.D. Prof.

*Oratory and Hist.*, v. also Hist., Mod.

Moody, T. W., B.A. Belf., Ph.D. Lond., M.A. Erasmus Smith's Prof.

*Oriental Langs.*, v. *infra*

*Philosophy*

Furlong, E. J. J., M.A. Prof.
Hartford, Rev. R. R., M.A., D.D. (Ment. and Moral Sci.) Lectr.
Godfrey, F. La T., M.A. (Hist. of P.) Lectr.
Denard, W. V., B.Litt. Lectr.

*Phonetics*

Quin, E. G., M.A. Lectr.

*Physics*

Walton, E. T. S., Ph.D. Camb., M.A., M.Sc. Erasmus Smith's Prof.

Lecturers

Poole, J. H. J., M.A., M.A.I., Sc.D.
Gregg, A. H., M.Sc. Belf., Ph.D. Lond., M.A.
Delaney, C. F. G., B.Sc., Ph.D.
Elliott, R. B., B.Sc.

*Physiology*

Torrens, D. S., M.A., M.B. Prof. and King's Prof. of Insts. of Med.
Wilson, R., M.D. (Appl. P.) Lectr.
Fry, R. J. M., M.B. Lectr.
McCarthy, G. S., B.A. Asst.

*Political Economy*, v. also Comm.

Duncan, G. A., M.A., LL.B. Prof.
Johnston, J., M.A. (Appl. Econ.) Prof.
Ryan, W. J. L., M.A., Ph.D. Lectr.
Byrne, J. J., M.A., LL.B. N.U.I., M.Sc. Camb. Lectr.

*Political Science*

Armstrong, Olive G., M.A. Lectr.
Chubb, F. B., M.A., D.Phil. Oxon. Lectr.

*Russian*

McMackin, Margaret M., M.A. Belf. Lectr.

*Spanish*

Riley, E. C., B.A. Oxon., M.A. Lectr.
Trotter, G. D., B.A. Asst.

*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.
Howie, D. I. D., B.Sc. St. And. Asst.

**Law**

Moran, Frances E., M.A., LL.D. Reg. Prof. of Laws.
Dowrick, F. E., M.A. Oxon. Lectr.

*Administrative and Indust. Law*

King, F. C., M.A. Lectr.

*Penal Legislation, Const. and Crim. L., and L. of 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., 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.
Furness, G., B.Sc.Agric. Leeds, Ph.D. Manc. Lectr.
Pomeroy, Harriet M., B.A. Demr.

*Biochemistry*

Fearon, W. R., M.A., M.B., Sc.D. Prof.

*History of Med.*
Kirkpatrick, T. P. C., D.Litt. N.U.I., Litt.D., M.D., F.R.C.P.I. Hon. Prof.

*Laryngology and Otology*
Woods, R. R., M.B., F.R.C.S.I. Lectr.

*Materia Medica and Pharmacy*
Micks, R. H., M.A., M.D. King's Prof.

*Medical Jurisprudence*
Wallace, J. A., B.Sc., M.B. Lectr.

*Medicine, Experimental*
O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I. Prof.

*Midwifery*
Davidson, A. H., M.D. King's Prof.
Fleming, J. B., M.A.O., M.D. (Midwifery and Gynæcol.) Prof.
McVey, H., M.B. Asst.

*Pathology*
O'Meara, R. A. Q., Sc.D., M.D., F.R.C.P.I. Prof.
Hackett, W. E. R., M.D. (Clin. P.) Reader.
McNally, P. A., M.Sc., M.D., F.R.C.P.I. (Appl. P.) Lectr.
Pringle, S., M.B., M.Ch., F.R.C.S.I. (P. of Bone) Hon. Lectr.
McCarthy, Joan, M.D., B.Sc. Lectr.

*Psychological Medicine*
Bennet, E. A., M.C., M.A., Sc.D., M.D., D.P.M. Lectr.
Eustace, H. J., M.B. Lectr.
Moore, J. N. P., M.D. Lectr.

*Public Health*
Lecturers
Roberts, A. I. N., B.A.I. (San. Constrn. and Planning).
Collis, W. R. C., F.R.C.P., F.R.C.P.I. (Pædiatrics).
Steen, R. E., M.D., F.R.C.P.I. (Pædiatrics).

*Radiology*
McDonogh, C. L., M.A., M.D. Lectr.

*Social Medicine*
Jessop, W. J. E., M.Sc., M.D., F.R.C.P.I. Prof.
Pringle, R. B., M.B., B.Chir. Camb., F.R.C.P.I. (Indust. Med.) Lectr.
McCormack, J. D., Hon. M.Sc. N.U.I. (Control of Infectious Diseases) Lectr.

*Surgery*
McConnell, A. A., M.A., M.Ch., F.R.C.S.I. Regius Prof.
Henry, R. F. J., M.B., F.R.C.S.I. Prof.
McCollum, S. T., M.B., F.R.C.S. Asst.

*Surgery, Orthopædic*
Chance, A., M.Ch., M.D., F.R.C.S. Hon. Prof.

## Oriental Languages

*Arabic*
Weingreen, J., M.A., Ph.D. Lectr.

*Hebrew*
Weingreen, J., M.A., Ph.D. Erasmus Smith's Prof.
Gwynn, Rev. R. M., M.A., B.D. Lectr.
Baker, J., M.A., LL.B., Ph.D. Lectr.

*Sanskrit and Compar. Philol.*
Quin, E. G., M.A. Lectr.

## Theology

(v. also Orient. Langs.)

*Biblical Greek*
Gwynn, Rev. R. M., M.A., B.D. Prof.

*Divinity*
Oulton, Rev. J. E. L., M.A., D.D. Regius Prof.
Hartford, Rev. R. R., M.A., D.D. Archbishop King's Prof.
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.
De Pauley, Very 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**

1953—Prof. A. E. Richardson, M.A. Camb., F.S.A., F.R.I.B.A.

**John Joly Lecturer**

.....

**John Mallet Purser Lecturer**

1952—Prof. S. P. Bedson, M.D., M.Sc. Durh., Hon. D.Sc. Belf. and Durh., F.R.S., F.R.C.P.

## ADMINISTRATIVE AND OTHER STAFF

Public Orator: D. E. W. Wormell, M.A. Camb., Ph.D. Yale. Deputy Librarian: R. O. Dougan. Asst. Registrar: J. H. Shaw, M.A. Lady Registrar: Christabel F. Godfrey, M.A. Asst. Lady Registrar: Margaret E. MacManus, B.A. Sec., Appointments Office: A. H. B. McClatchey, M.A. Oxon. Sec., Houses of Residence Cttee.: J. P. Haughton, M.Sc. Law Agent and Keeper of the Records: D. McGillycuddy, B.A. Medical Adviser to Resident Students: J. A. Wallace, B.Sc., M.D. Consulting Architect: A. I. N. Roberts, B.A. Camb., M.A., B.A.I. Accountant: C. B. Kennedy, M.A. 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. R. K. Maguire, M.A.; (Methodist) Rev. R. G. Livingstone, M.A.

## ASSOCIATED COLLEGES

MAGEE UNIVERSITY COLLEGE, Londonderry. (*Telephone*: Londonderry 2145.) President, Prof. T. Finnegan, M.A. Camb. For portion of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, 4 Kildare Place, Dublin. (*Telephone*: 62946.) Chaplain-Secretary, Rev. R. J. Ross, M.A., B.D. The 2 yrs.' course of training for teaching in elementary schools is conducted partly at Trinity College, Dublin, and exempts from 1 yr. of B.A. course provided that the candidate is qualified in the 2 langs. required for matric.

VETERINARY COLLEGE OF IRELAND, Ballsbridge, Dublin. (*Telephone*: 64384.) Principal, Prof. 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 College is in the hands of the Board of Trinity College, which consists of the Provost, Senior Fellows, 2 representatives of Junior Fellows and 2 representatives of the non-Fellow Profs. The Univ. Council, formed by representatives from the Board and various Faculties and Schools, has the right of nomination to most Professorships, and in conjunction with the Board can make changes in the curriculum, but otherwise has only advisory functions.

The College occupies a large site in the middle of the city, with ample grounds for recreation and athletics.

INCOME (1952–53). Total income, £246,000 (Govt. grant, 35·5 per cent.; endowments, 29 per cent.; fees, 35·5 per cent.).

The LIBRARY of Trinity College has enjoyed since 1801 the privilege of receiving a copy of every book published in the United Kingdom. It contains about 532,000 printed books, amongst which there is, in the Fagel Library, a group of early pamphlets relating to the Dutch and English East and West India Companies. The MSS. are over 2000 in number, and include an important collection in Irish. A General Catalogue of the MSS. was published in 1900, and a Revised Catalogue of the Irish MSS. in 1921. A Catalogue of Printed Books in the library in 1872 was published in 1887. The Lecky Library, based on the library of the historian W. E. H. Lecky, caters for the schools of Hist., Econ. and Legal Sci. There are smaller libraries in the Schools of Mod. Langs., Med., Maths., Nat. Scis., Geog., Philol. and Educn.

MUSEUMS. The scientific museums include Zool. and Comp. Anat., Geol. and Mineral., Anat., 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, Physics, Engin., Social Sci., Agric., Forestry, Music, Educn., Comm., Vet. Registrars: *Law*—F. E. Dowrick, M.A.; *Physic*—Winifred Kinnear, M.A.; *Engin.*—J. Purser, M.Sc., M.A., M.A.I.; *Music*—G. H. P. Hewson, M.A., Mus.D.; *Educn.*—Rev. E. A. Crawford, B.D., Ph.D.; *Agric.*—J. Purser, M.Sc., M.A., M.A.I.; *Comm.*—F. B. Chubb, M.A., D.Phil.; *Social Sci.*—Eileen Duncan, M.Sc.

ADMISSION. All applications must be made to the Sr. Tutor. The Matric. Examn., held 3 times a yr., comprises (1) Maths., (2) English Composition and Lit., (3) two of Latin, Greek, Irish, French, German, Italian, Spanish) (4) one of Phys., Chem., Hist., Geog., Biol. Candidates for admission to certain honour and professional schools are required to qualify in Latin. Exempting examns. include: Leaving Cert. of Dept. of Educn., Ireland; Sr. Cert. of Ministry of Educn., N. Ireland; General Cert. of Educn. in England and Wales; matric. examn. of any Irish or British Univ. and of any other Univs. recognized by the Board. If such a cert. does not cover all the prescribed subjects of matric., the candidate must pass the Dublin matric. examn. in the subject or subjects in which he is deficient. Exemption is granted to overseas students (*i.e.* students from outside Ireland and Gt. Britain) only if their certs. include

a credit in English, a qualificn. in a second European lang. and a credit in another subject. Asiatic and African students may obtain exemption from one European lang. other than English on presenting evidence of having passed a recognized examn. in their own lang. Having qualified for matric., candidates must obtain admission from the Sr. Tutor, for which purpose they must produce evidence of character. Financial guarantees are required from overseas students. All candidates for admission to the Schools of Phys., Natural Sci. and Agric. must, in addition to complying with the foregoing general requirements, be approved by the admission cttee. of the School concerned. Overseas candidates for admission to the Honour school of Legal Sci. and to the professional School of Law must be approved by the Legal Studies Admission Cttee. All candidates who have been admitted by the Sr. Tutor enter the College by paying the first College fee. The collegiate interests of all students on the College books are under the guardianship of the Tutor-Fellows (*see* list above). Students are normally assigned to Tutors by the Sr. Tutor at entrance.

ADMISSION TO ADVANCED STANDING. Special Regns. provide for the grant of credit for previous academic attainments at the Univs. of Oxford and Cambridge, while students or graduates of other recognized Univs. may be allowed credit *pro tanto* for one or two yrs. of the Dublin Arts course.

DEGREES. Every student must take the B.A. before proceeding to any other degree, except in music. The Regns. concerning higher degrees are set out below. The course lasts 4 yrs., but it is possible to complete the course within 3 yrs. from entrance by taking the final examn. of the 1st yr. at the time of entering. All students not in a professional school are required to attend Arts lectures in every term, unless specially exempted (*e.g.* those earning their living by teaching). If exempted they are required to pass extra examns. Exemption from attendance is never granted to students taking scientific subjects for the B.A.(Sc.).

Engl. Composition is a compulsory subj. throughout the Pass B.A. course; otherwise a wide freedom in choice of subjects is allowed. Candidates must present themselves in Engl. Composition and 4 subjs. at the Pass B.A. examn. Exemptions are granted to Law, Engin., Comm. and Div. students. For Med. students there is a specially reduced Arts course throughout.

The *Honours* B.A.—known as *Moderatorship*—can be taken in 14 different groups: viz. 1. Maths.; 2. Classics; 3. Mental and Moral Sci.; 4. Exper. Sci.; 5. Nat. Sci.; 6. Mod. Lit.; 7. Anc. and Mod. Lit.; 8. Celtic Langs.; 9. Oriental Langs.; 10. Anc. Hist. and Pol. Sci.; 11. Mod. Hist. and Pol. Sci.; 12. Econ. and Pol. Sci.; 13. Legal Sci.; 14. Engin. Sci. The course for each of Nos. 1-13 lasts 4 yrs., for No. 14, 3 yrs.

A B.A. of 3 yrs.' standing may be admitted M.A. There is no examn. for this, nor is a thesis required.

The B.Litt. is obtained by a thesis, and candidates must have at least 1 yr.'s standing as B.A. They must also, except by special permission of the Board, be graduates with 1st or 2nd Class Honours of Dublin or of an approved University.

The Pass B.A.(Sc.) is obtained by a 4-yr. course covering approx. the same ground as the first three yrs. of the honour course in Natural Science. In the last two years the student studies 3 subjects chosen from Physics, Chem., Bot., Zool., Geol., Geog.

The B.D. is obtained by an examn. open to all grads. in Arts, the D.D. is open to any B.D., 8 yrs. after taking B.A., and is awarded on a thesis or published Theol. work.

The LL.B. course covers 2 yrs.; the M.B., B.Ch. and B.A.O., 6 yrs.; B.Dent.Sc., 6 yrs.; B.A.I., 3 yrs. (optional 4th yr. in Elec. and Mech. Engin.); Agr.B. or Agr. (Forestry) B., 4 yrs., of which 3rd and 4th are taken in Univ. Coll. (N.U.I.); B.Comm., 3 yrs. 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. Matric., £5; composition for all Arts and Science Lectures, £50 p.a., with laboratory fees in Science. Med. course total (including College, Hospitals and Degree fees), about £440; Dental Sci. total (including College, Hospital and Degree fees), about £520; Engin. (3 yrs.), £52 (minimum), in addition to College fees in each case; Divinity free for students in Arts, 20 gs. p.a. for others; Commerce, £54 (if Arts Course is taken), £80 (for external students).

AWARDS OPEN TO GRADUATES OF OTHER UNIVERSITIES. Madden Prize Fund (income about £424 p.a.) available for awards to unsuccessful candidates at Fellowships examn. (open to grads. of other Univs.).

APPOINTMENTS OFFICE. For Sec. *see* p. 1676. *Telephone*: Dublin 77151.

EXCHANGE OF STUDENTS. Exchanges of students are arranged with European countries. Visiting students give lectures, mainly on conversational French and German, and in return may attend any lectures free of charge and are given free board and lodging.

STUDENTS FROM OVERSEAS. Students of American and other foreign Universities, if recommended by the Principals of their Universities, may work for an academic year in Trinity College. There are special fees which vary with the Courses followed. Applications to Sr. Tutor.

RESIDENCE. The College has accommodation for about 350 students. Rent £15 to £30 p.a. for single sets and proportionately for double sets of rooms; dinner in Hall, £1 : 4s. : 6d. a week. Trinity Hall (Warden: Clara B. Crawford, M.A.) accommodates 80 women; board and residence, about £42 per term of 10 weeks. There is also a hostel for Divinity students of the Church of Ireland.

PUBLICATIONS. *Calendar* (Oct.), 5s., includes information as to courses, etc.; annual Suppt., 2s., results of examns., degrees conferred, etc.; special Suppt. (occasional), lists of past honours, benefactors, etc. A *Summary Guide for Students* and booklets on particular courses, etc., are available, free of charge, on application to the Sr. Tutor. *Examn. Papers* of the several Honour schools; of the several Professional schools; of Entrance examns. and prizes, and of Pass Arts, are published in pamphlet form at 1s. 6d. per set. *Hermathena* (twice yearly), original papers in Arts subjects, price 10s. *Trinity*, an annual record, life subs. £2. *T.C.D.* (Students'), 6d. weekly.

Histories, etc. *A History of Trinity College, Dublin*, Vol. I, 1591–1892, by Constantia Maxwell; Vol. II, 1892–1945, by Kenneth C. Bailey (Dublin Univ. Press, 1946–47). *Trinity College, Dublin*, by W. Macneile Dixon (1902). *Alumni Dublinenses*, 1593–1860 (2nd ed., 1935).

UNIVERSITY PRESS. The Univ. Press, housed within the walls of the College in a bldg. erected for the purpose in 1734, is primarily the College printing-house, but it has also published many books, beginning with the *Prognostics* of Hippocrates (1736). Manager—P. F. Williams.

## THE YEAR 1951–52

SUBSTANTIAL BENEFACTIONS. Under will of Rev. Dr. G. Bell, £344, for prizes in music; Dr. J. W. Craig, £200, for prize in Med. Sch. Various other gifts of historical interest, laboratory apparatus, books, etc.

DEATHS. Dr. E. H. Alton (Provost); Sir R. W. Tate (Sr. Fellow); Prof. O'D. T. D. Browne; Dr. L. B. Smyth; Dr. J. C. Gaffney.

HONORARY DEGREES. *M.A.I.*—Sir Claude C. Inglis. *Sc.D.*—R. T. St. J. Brooks; Sir John D. Cockcroft. *Litt.D.*—W. K. Magee; P. Meyer. *LL.D.*—D. Campbell; P. T. J. O'Farrell. *M.D.*—H. A. Clegg; E. A. Gregg.

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 265 | 1489 |
| Women | 25 | 639 |
| Total | 290 | 2128 |

Postgraduate students, 157.
First-year admissions, 447.

DEGREES. B.A., 395; M.A., 113; Litt.D., 1; Ph.D., 9; B.Litt., 6; B.D., 10; M.B., 58; M.D., 10; M.A.O., 1; M.Ch., 2; B.Dent.Sc., 2; B.A.I., 35; M.A.I., 4; B.Comm., 25; LL.B., 10; B.Sc., 25; M.Sc., 4; B.Sc. (Vet.), 1; Agr.B., 3; Agr. (Forest) B., 1; Mus.B., 4.

[*Information compiled as at* 12/9/53.]

# THE NATIONAL UNIVERSITY OF IRELAND

Founded 1909

*Postal Address*: 49 Merrion Square, Dublin, Republic of Ireland.
*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, 1955), Rt. Rev. Mgr. PÁDRAIG DE BRÚN, M.A., D.Sc., President, University College, Galway.

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS. OF CORK AND DUBLIN AND ST. PATRICK'S COLL., MAYNOOTH.

REGISTRAR—SÉAMUS WILMOT, B.A., B.Comm., LL.D.

REPRESENTATIVES IN SEANAD EIREANN—Professor H. L. BARNIVILLE, B.A., M.D., M.Ch.; Professor GEORGE O'BRIEN, D.Litt.; Professor J. F. CUNNINGHAM, M.D., B.Ch., M.A.O., F.R.C.P.I., F.R.C.O.G.

## ADMINISTRATIVE AND OTHER STAFF

Chief Clerk: J. P. Kane, B.Comm. Accountant Clerk: J. Bourke, M.Comm. Other Clerks: Mary E. O'Connor; P. J. Costello, M.A., B.Comm., H.Dip. in Ed., Dip.Pub.Adm.; T. I. Kelly, B.Comm.; M. J. Tracy, B.A., B.Comm.
CONVOCATION. Chairman: ..... Clerk: T. A. O'Rourke, B.A., B.Comm., H.Dip. in Ed.

## CONSTITUENT COLLEGES

UNIVERSITY COLLEGE, DUBLIN: *see* p. 1684.

UNIVERSITY COLLEGE, CORK: *see* p. 1690.

UNIVERSITY COLLEGE, GALWAY: *see* p. 1695.

## RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH. (*Telephone*: Maynooth 4.) President—Rt. Rev. Monsignor Edward Kissane, D.Litt., D.D. Founded 1795 by Act of George III, entitled "An Act for the better Education of persons professing the Popish or Roman Catholic Religion" (35 Geo. III, c. 21). Recognized College of The National University of Ireland, 1908.

Recognized Teachers in approved degree courses. *Classics*—Rev. D. Meehan, M.A.; Rev. J. Hackett, M.A., D.D.; Rev. W. Meany, M.A., D.D. *Education*—Rev. P. Birch, M.A., Ph.D., H.Dip. in Ed. *English*—Rev. J. J. McMackin, M.A. *French*—Rev. H. Schild, L. ès L.

Toulouse. *German*—Rev. H. Schild, L. ès L. Toulouse. *Irish*—Rev. D. P. O'Flynn, M.A.; S. Ó. Searcaigh, Ph.D. Belf., M.A. *Maths. and Math. Physics*—Rev. J. McConnell, M.A., D.Sc. *Music*—Rev. C. H. O'Callaghan, B.A., L.Mus. Rome. *Philos., Mental and Moral*—Rev. J. D. Bastable, M.A., Ph.D.; Rev. T. Crowley, M.A., D.Ph.; Rev. D. O'Donoghue, M.A., D.Ph. Louvain. *Physics, Expl.*—Rev. P. J. I. McLaughlin, D. ès Sc. Paris, M.Sc. *Welsh*—S. Ó. Searcaigh, Ph.D. Belf., M.A.

## OTHER TEACHING STAFF

Profs. of Catholic Theology—Rev. G. Mitchell, D.D.; Rev. J. McCarthy, D.D., D.C.L.; Rev. J. O'Flynn, D.C.L.

For staffs of Constituent Colleges, *see* pp. 1684, 1690, 1695.

## GENERAL INFORMATION

Queen's University in Ireland, founded in 1850, was replaced in 1880 by the Royal University of Ireland, which, with Queen's College, Belfast, was dissolved on Oct. 31, 1909. On this date the National University of Ireland, University College, Dublin, the Queen's University of Belfast, came into being, and the Colleges previously known as Queen's at Cork and Galway became, with the new College at Dublin, constituent Colleges of the National Univ. of Ireland.

FACULTIES. Arts, Philos. and Sociol., Celtic Studies, Sci., Law, Med., Engin. and Archit., Comm., General Agric. (U.C., Dublin, only), Dairy Sci. (U.C., Cork, only), Vet. Med. (U.C., Dublin, only). Music is included in Arts and Celtic Studies. Classes are held in all Facs., except the three last, at each of the constituent Colls., and in Arts, Philos. and Sociol., Celtic Studies and Sci. at Maynooth.

ADMISSION. The normal method of entry is by the Matricn. Examn. of the Univ.

DEGREES. B.A., B.Soc.Sc., M.A., D.Litt., B.Mus., D.Mus., D.Litt.Celt.; B.Sc., B.Agr.Sc., M.Sc., M.Agr.Sc., D.Sc.; LL.B., LL.D.; M.B., B.Ch., B.A.O., M.Ch., M.A.O., M.D.; M.Econ.Sc.; D.Econ.Sc.; B.Sc. (Dairying); M.Sc. (Dairying); B.D.S., M.D.S.; B.E., M.E., B.Arch., M.Arch.; B.Comm., M.Comm.; M.V.B., M.V.M.; Ph.D.

Course for 1st degree in any Fac.—at least 9 terms in one of the Constituent Colls. or St. Patrick's Coll., Maynooth.

The M.A., M.Sc., M.Agr.Sc., D.Sc., M.E., M.Arch., M.Comm., Ph.D., D.Litt., M.Econ.Sc., D.Econ.Sc., M.Sc. (Dairying), M.V.M. may be conferred on grads. or other students for research under prescribed conditions in the Univ. or in a Constituent or Recognized Coll. The duration prescribed for the course of study and research for the Ph.D. is 9 terms (reducible to 6), and for a Master's Degree at least 3 terms.

DIPLOMAS, CERTIFICATES, ETC. Dip. in Ed. (1 yr.); H.Dip. in Ed. (1 yr. after degree); Dip.Soc.Sc. (2 yrs.; 1 yr. for grads.); Dip.Libr.Trn. (2 yrs.; 1 yr. for grads.); Dip.Chem.Tech. (2 yrs., U.C. Cork; 1 yr. after B.Sc., U.C.D.); D.C.H. (prescribed Children's Hosp. experience only); C.P.H. (10 wks.); D.P.H. (2 terms after C.P.H.); D.P.M. (6 mos.); Dip. in Comm. (2 yrs.); Cert. in Comm. (1 yr.); Dip.Pub.Adm. (2 yrs.; 1 yr. for grads.); Dip. in Dairy Sc. (2 yrs.); Jun.Teach.Qual. (Music) (1 yr.); Sr.Teach.Qual.

(Music) (1 yr.); Cert. in Organ Music (2 yrs. or 1 yr. after Sr.Teach.Qual. (Music)).

FEES. Matricn., £4. Combined examn. and degree, £12 to £27. Diplomas, £5 to £8. Medical Dipls., £5 to £11. For tuition fees, v. separate Colls.

APPOINTMENTS BUREAUX: University College, Dublin; University College, Cork; and University College, Galway.

PUBLICATION. *Calendar* (Dec.), 5s. (plus postage).

## THE YEAR 1951–52

HONORARY DEGREES. *LL.D.*—S. T. Ó Ceallaigh; Philomena P. Bean Uí Cheallaigh; Very Rev. F. Griffin; A. C. J. Cox; E. P. McLoughlin; P. F. Purcell; A. W. Sichel; J. J. Horgan. *D.Litt.*—W. Doolin; Mary Ryan. *D.Litt.Celt.*—Père P. Grosjean. *D.Sc.*—Sir H. Cohen; Sir J. Parkinson. *D.Econ.Sc.*—T. Smiddy. *D.Mus.*—Sir J. Barbirolli. *M.D.*—Major P. J. Delaney; Sir S. Duke-Elder; Sir J. W. McNee; A. Macrae. *M.D.S.*—H. Hillenbrand; J. P. Walsh.

STUDENTS. *See under* Constituent Colleges.

DEGREES AWARDED. *Agric.*—B.Agr.Sc., 25; M.Agr.Sc., 5. *Archit.*—B.Arch. 17. *Arts*—B.A., 456; M.A., 29; B.Mus., 1. *Comm.*—B.Comm., 143; M.Comm., 1; M.Econ.Sc., 2. *Dairy Sci.*—B.Sc. Dairying, 4; M.Sc. Dairying, 1. *Dent.*—B.D.S., 56. *Engin.*—B.E., 127; M.E., 3. *Law*—LL.B., 3. *Med.*—M.B., B.Ch., B.A.O., 268; M.D., 21; M.Ch., 15; M.A.O., 10. *Sci.*—B.Sc., 92; M.Sc., 36; D.Sc., 2. *Vet. Med.*—M.V.B., 7. *Various Facs.*—Ph.D., 10. *Total number of first degrees awarded*: 1196.

DIPLOMAS AND CERTIFICATES AWARDED. *Chemical Technol.*—Dip.Chem. Tech., 2. *Child Health*—D.C.H., 7. *Comm.*—Dip. in Comm., 5. *Dairy Sci.*—Dip. in Dairy Sc., 18. *Education*—Dip. in Ed., 1; H.Dip. in Ed., 185. *Public Health*—C.P.H., 42; D.P.H., 12. *Psychological Med.*—D.P.M., 6. *Public Admin.*—Dip.Pub.Adm., 34. *Social Sci.*—Dip.Soc.Sc., 18.

[*Information compiled as at* 8/9/53.]

# UNIVERSITY COLLEGE, DUBLIN

Founded 1909

*Postal Address*: Earlsfort Terrace, Dublin, Republic of Ireland.
*Telephone*: 52116.

PRESIDENT—MICHAEL TIERNEY, M.A., D.Litt.
REGISTRAR—Professor J. J. HOGAN, M.A., B.Litt. Oxon.
SECRETARY AND BURSAR—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.

*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, 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.

*Dentistry*, v. *infra*

*Economics*, v. Pol. Econ.

*Education*
Ó Catháin, Rev. S., M.A., Ph.D. Lectr.

*Engineering, Civil*
Purcell, P. F., M.A., M.A.I. Dub. Prof.
Lewis, F. E., B.A., B.E., Ph.D. Lectr.

*Engineering, Electrical*
Morrisey, J. J., M.E., M.A. Prof.
D'Alton, L. B., B.E. Lectr.

*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., M.A., B.Litt. Oxon. Prof.

McHugh, R. J., M.A., Ph.D. Lectr.
Donovan, P. F., M.A. Lectr.
Dunning, Rev. T. P., M.A., Ph.D. Lectr.

*French and Romance Philol.*

Roche, L. P., M.A., D. ès L. Poitiers Prof.
Cognon, E. P., M.A. Lectr.

*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. 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*

Hayes, M., M.A. Prof.
Delargy, J. H., M.A. (Irish Folk-lore) Prof.
Murphy, H. G. A., M.A. (Hist. of Celtic Lit.) Prof.
de Bhaldraithe, T., M.A., Ph.D. Lectr.

*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.
Tinney, 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.

*Palæography*

Bieler, L., D.Phil. Vienna Lectr.

*Philosophy*

Horgan, Rev. J., M.A., D.D., Ph.D. (Metaphysics) Prof.
O'Doherty, Rev. E. F., M.A., B.D., Ph.D. (Logic and Psychol.) Prof.
Martin, Rev. C. J., M.A., B.D., D.Phil. Oxon. (Ethics and Politics) Prof.

*Physics, Experimental*

Nevin, T. E., D.Sc. Prof.
Dowling, J. J., M.A., F.I.P. (Tech. P.) Prof.
Nolan, P. J., D.Sc., Ph.D. 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.

Lecturers

O'Donovan, J., M.A., B.Litt., D.Econ.Sc.
Meenan, J., M.A., F.R.E.S.
Lynch, P., M.A.

*Welsh*
Jones, J. Ll., M.A., D.Litt. Wales, B.Litt. Oxon. Prof.

*Zoology*
Butler, J. B., M.A., M.B., B.Ch., B.A.O. Prof.
Humphries, Carmel, M.Sc., Ph.D. Lectr.

**Agriculture**

*Agricultural Botany and Bacteriology*
Gorman, M. J., B.Sc. Prof.

*Agricultural Chemistry*
O'Sullivan, G. F., M.Sc. Lectr.

*Agricultural Zoology*
Carroll, J., D.Sc., B.Agr.Sc. Lectr.

*Agriculture*
Drew, J. P., M.Sc. Prof.

*Animal Nutrition*
Sheehy, E. J., D.Sc., F.R.C.S.I. Prof.

*Forestry*
Clear, T., B.Agr.Sc. Lectr.

*Horticulture*
Sherrard, G. O., B.Sc. Prof.

*Plant Breeding*
Caffrey, M., B.Sc. Prof.

*Plant Pathology*
McKay, J., D.Sc., F.R.C.S.I. Prof.

*Soil Science*
Gallagher, P. H., D.Sc. Lectr.

**Dentistry**

Dunkin, F. J., M.B., B.Ch., B.D.S. (D.Surg.) 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*
..... Prof.

*Roman Law, Jurisprudence and Legal History*
Henchy, J. A., M.A., LL.B., Ph.D. Prof.

**Medicine**

*Med. Jurispr.*
..... Prof.

*Medicine*
Moore, H. F., M.D., D.Sc. Prof.
O'Donovan, D. K., M.D., M.Sc., Ph.D. Prof.

*Midwifery and Gynæcol.*
Cunningham, J. F., M.D., B.Ch., M.A.O., F.R.C.P.I., F.R.C.O.G. Prof.

*Ophthalmology*
Lavery, F. J., M.D., M Ch., D.O.M.S. Prof.

*Oto-Rhino-Laryngology*
o'Doherty, E., M.B., M.Ch. Lectr.

*Pathology and Bacteriology*
McGrath, J., M.Sc., M.D., B.Ch., B.A.O., B.L., D.P.H. Prof.

*Pharmacol. and Biochemistry*
Conway, E. J., D.Sc., M.B., B.Ch., B.A.O., F.R.S. Prof.

*Psychiatry*
Dunne, J., M.B., D.P.M. Prof.

*Public Health and Bacteriology*
O'Kelly, W. D., D.Sc. (Pub. Health), M.D., D.P.H. Prof.
O'Callaghan, W. P., M.B., B.Ch., B.A.O., D.Sc., D.P.H. (Public Health) Lectr.

*Radiology*
Geraghty, J. A., M.D. Lectr.

*Surgery*
Barniville, H. L., B A., M.D., M.Ch. Prof.

..... Prof.

*Therapeutics*

FitzGerald, O., M.D., M.Sc. Lectr.

**Veterinary Medicine**

*Veterinary Anatomy*

Browne, T. G., M.Sc., M.Vet.Sc. Prof.

*Veterinary Medicine and Meat Inspection*

Kelly, W. R., M.V.M. Prof.

*Veterinary Pathology and Bacteriology*

Mullaney, P. E., M.V.M. Prof.

*Veterinary Physiology, Biochemistry, Histology and Embryology*

Nicholson, J. A., M.A., Ph.D., M.Vet.Sc. Prof.

*Veterinary Surgery and Obstetrics*

McGeady, P. A., M.Vet.Sc. Prof.

Staff of Assistants and Demonstrators in all Depts.

## ADMINISTRATIVE AND OTHER STAFF

Officers of Residence: Rev. M. Clarke, B.A., S.T.L.; Rev. P. O'Kane, B.A.; Rev. J. Burden, University Hall; Rev. Dom B. O'Dea, Balnagowan House; Rev. Brother Serenus, M.A., De La Salle Hall; 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; Rev. Canon J. Armstrong; Rev. R. G. Livingstone, B.A.; 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. Registrar for 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. 2 affiliated, 7 recognized for clin. instrucn.; 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.I. Courses are provided in the Facs. of Arts, Philos., Social Science, Celtic Studies, Science, Law, Medicine and Dentistry, Engin. and Archit., Chem. Engin., Commerce, General Agric. and Vet. Medicine. In addition, there are courses leading to Dipls. in Library Training, Soc. Science, Pub. Admin. and Chem. Tech. and in Fac. of Medicine courses leading to a Certif. and a Dipl. in Public Health and Dipls. in Child Health and Mental Diseases.

FACULTIES AND DEANS. *Arts*, Rev. Prof. A. Gwynn ; *Celtic Studies*, Prof. J. Lloyd-Jones ; *Commerce*, Prof. G. O'Brien ; *Engineering and Architecture*, Prof. P. F. Purcell ; *General Agriculture*, Prof. J. P. Drew ; *Law*, Prof. P McGilligan ; *Medicine*, Prof. J. M. O'Connor ; *Philosophy*, Rev. Prof. J. D. Horgan ; *Science*, Prof. T. S. Wheeler ; *Veterinary Medicine*, Prof. T. G. Browne.

FEES for tuition, including College fees, annual, for primary degree courses : Arts or Comm.—£33 ; Science, Engin., Archit., Agric.—£46 ; Law (in addition to Arts)—£25 ; Med. (including Hospl.), whole period—£350 approx. ; Veterinary, whole period—£206 : 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.

APPOINTMENTS BUREAU. Sec., Miss E. Curran, B.A.

STUDENTS' HEALTH BUREAU. The Bureau is concerned with all aspects of the health of students, and the assistance of the Bureau is freely available during office hours to any student who is anxious about his or her health.

PUBLICATION. *Calendar*, Nov., 5s.

## THE YEAR 1951–52

BENEFACTIONS. Lasdon Foundation, N.Y., $10,000, for med. res. fellowships ; estate of late Prof. A. O'Farrelly, £100, for Irish Literary Medal ; French and Portuguese Govts. and Uppsala Univ., gifts of books ; M. J. Walsh, Calif., £200 p.a., for Chem. fellowship.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. H. Butterfield, Camb., "The Reformation and the Rise of Capitalism" ; M. J. Gagnepain, Sorbonne, " Quelques aspects de la poésie médiévale " ; G. T. Griffiths, Camb., " On Reading Thucydides " ; Prof. É. Pons, Sorbonne, " Swift and Pascal " ; Prof. U. M. Ellis-Fermor, Lond., " Tragedy " ; Prof. L. Leprince-Ringuet, Paris, " Cosmic Ray Research in France " ; Prof. J. R. Partington, Lond., " The Rise and Fall of the Phlogiston Theory " ; Prof. H. H. Read, Lond., " Granite and Basalt " ; Prof. J. Jewkes, Oxon., " The Economist and Public Policy."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Rev. Prof. A. Gwynn, Würzburg, " Ireland and Würzburg in the Middle Ages " ; Prof. J. H. Delargy, Lond., Camb. and Aberystwyth, " Irish Folklore " ; Rev. Prof. J. Ryan, Rome, series of lectures on " Hibernia, Insula Sanctorum " ; Prof. T. E. Nevin, Brist. ; Mrs. E. M. Philbin, Dub., " Demethylation of Flavones " ; Prof. T. S. Wheeler, Dub., " An American Visit," Lond., St. And. and Edin., " The Life and Work of William Higgins " ; Prof. E. J. Conway, Uppsala, Lund, Stockholm and Gothenburg.

EXTRA-MURAL WORK. 170 students were awarded Dipls. in Soc. and Econ. Studies by the Board of Extra-Mural Studies.

VACATION COURSES. Summer Course on Contemporary Ireland (designed primarily for students from Overseas).

RETIREMENTS. F. E. Hackett (Prof. of Phys. and Electr. Engin.); A. F. O'Dea (Prof. of Vet. Med.).

DEATHS. M. J. Ryan (Prof. of Law of Property, Comm. Law and Equity); H. S. Meade (Prof. of Surg.); J. Doyle (Asst. Lectr., Spanish).

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 187 | 2180 |
| Women | 67 | 640 |
| Total | 254 | 2820 |

DEGREES, ETC. B.A., 253; M.A., 28; Higher Dipl. Educn., 88; B.Sc., 56; M.Sc., 18; M.B., B.Ch., B.A.O., 124; M.D., nil; M.A.O. or M.Ch., 13; B.D.S., 30; LL.B., 1; B.E., 73; M.E., nil; B.Comm., 47; M.Comm. or M.Econ.Sc., 3; B.Arch., 19; B.Mus., 3; Ph.D., 6; B.Agr.Sc., 20; D.P.M., 3; Dipl. Social Sc., 18; D.C.H., 6; D.P.A., 35; C.P.H., 42; D.P.H., 17.

[*Information compiled as at* 1/9/53.]

# 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—.....

## TEACHING STAFF

*Accounting and Business Administration*
Clifford, T. J., M.Comm. Lectr.
O'Mahony, W. J., B.Comm. Asst.
1 Demr.

*Agriculture*, v. *infra*

*Anatomy*
MacConaill, M. A., M.B., D.Sc. Prof.
Hamilton, W. D., B.Sc., M.D., M.Ch. Asst.
Donovan, E., M.D., M.Ch., M.A.O. Asst.
Kelly, J., M.B., F.R.C.S. Asst.

*Archæology*
O'Kelly, M. J., M.A. Prof.

*Biochemistry*
Brady, T. G., M.Sc., Ph.D. Prof.

*Botany*
Roberts, O. M., M.Sc., Ph.D. Prof.

*Chemistry*
Reilly, J., M.A. Camb., D.Sc. Geneva and Dub., H.Dip.Ed., F.R.C.S.I., F.R.I.C., F.I.P. Prof.
O'Cinnéide, R., M.Sc. Lectr.
Teegan, J. P., M.Sc., Ph.D. (Phys. C.) Lectr.
Scott, F. L., M.Sc., Ph.D. Asst.
Aherne, J. C., M.Sc., Ph.D. Asst.

*Classics*
Treston, H. J., M.A., D.Litt. Prof.
Fogarty, J. P., M.A. Lectr.

*Dairy Science*, v. *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.
Dillon, E. C., M.E. Asst.

*Engineering, Electrical*
Teago, F. J., D.Sc. Coll. Prof.
McGrath, F. A., B.E. Lectr.

*Engineering, Municipal*
Farrington, S. W., B.A., M.E. Lectr.

*English*

McCarthy, Bridget G., M.A., Ph.D. Prof.
Walsh, R. F., M.A Asst.

*French*

Byrne Costigan, Ethna, D. ès L. Paris, M A. Prof.
Servais, Yvonne, M.A. Asst.
O'Flaherty, Kathleen M. J., M.A., Ph.D. Asst.

*Geology and Geography*

O'Connell, C. S., M.A., B.Comm. Lectr.

*German*

Boyle, Mrs. Mary, M.A. Prof.

*History*

Hogan, J., D.Litt. Prof.
Gwynn, D., D.Litt. Prof.
Pender, J., M.A. Lectr.
Roche, K. F., M.A. Asst.
Flanagan, Rev. J. G., M.A. Asst.

*Irish Lang. and Lit.*

Breatnach, R., M.A. Prof.
Caomhánach, S., M.A., Ph.D. Prof.
Ó Cuilleanáin, C., M.A., Ph.D. Prof.
Ó Tuama, S., M.A. Asst.

*Irish Music*

Neeson, S., B.A. Lectr.

*Law*

Ryan, E., M.A., B.L. (C. Law, Real Prop. and Eq.) Prof.
Murphy, C. K., M.A., LL.B., H.Dip. Ed. (Jurisprud., Roman L. and Pers. Prop.) Prof.

*Mathematical Physics*

Quinlan, P., B.E., M.Sc., Ph.D. Prof.

*Mathematics*

Atkins, H. St. J., M.Sc. Prof.
..... Lectr.

*Medical Ethics*

Bastible, Rev. J. P., B.A., D.D. Asst.

*Medicine and Surgery*, v. *infra*

*Music*

Fleischmann, A. G., M.A., B.Mus. Prof.

*Philosophy*

O'Mahony, Rev. J. E., D.Litt. Prof.
Callaghan, Rev. J., M.A. Asst.

*Physics, Experimental*

McHenry, J. J., M.A., D.Sc. Prof.
..... Lectr.
O'Sullivan, Margaret, M.Sc. Asst.

*Physiology*

..... Prof.
O'Callaghan, D. J., M.D. Asst.
Law, Mary, M.Sc. Asst.

*Psychology*

Dempsey, Rev. P. J., M.A., Ph.D. Lectr.

*Public Administration*

Hurley, J., B.A., B.Comm. Asst.

*Romance Languages*, v. also French

Byrne Costigan, Ethna, D. ès L. Paris, M.A. Prof.

*Sociology*

O'Leary, Rev. J., M.A. Lectr.

*Spanish*

Healy, J. G., M.A., Ph.D. Lectr.

*Statistics*

Carey, T. M., M.A., Ph.D. Prof.

*Zoology*

..... Prof.
Murphy, Marjorie, M.Sc. Asst.

## Agriculture

*Agriculture*

Boyle, C., M.A. Wis., B.Sc., Ph.D. Lond., D.I.C. Prof.

*Dairy Accountancy*

Murphy, M., M.A., B.Comm. Prof.

*Dairy Bacteriology*

Grimes, M., B.Sc. Tor., M.Sc., Ph.D. Iowa — Prof.
Murphy, C., M.Sc. (Dairying) — Asst.

*Dairy Chemistry*

Pyne, G. T., B.Sc. Lond., M.Sc., Ph.D., F.R.I.C. — Prof.
McSweeney, D. T., M Sc. — Asst.
Ryan, J. J., M.Sc. — Asst.

*Dairy Engineering*

McGrath, F. A., B.E. — Prof.

*Dairy Technology*

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.
Dockrell, R. B., M.A., M.B., B.Dent.Sc. (Orthod.) — Lectr.
Scher, E. A., M.Sc., M.B., B.D.S. (D. Anat.) — Coll. Lectr.

**Medicine**

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

*Hygiene and Public Health*

Saunders, J. C., M.D., D.P.H. — Prof.

*Materia Medica*

Donovan, T., M.A., M.B. — Lectr.
McCarthy, D. F., M.B., M.A.O. — Asst.

*Medical Jurisprudence*

Riordan, M. J., M.B., M.A.O., F.R.C.S.I. — Lectr.

*Medicine*

O'Donovan, J. M., M.Sc., M.D., F.R.C.P.I. — Prof.
Curtin, M., M.B., B.Ch., D.P.H. — Asst.
Fitzpatrick, P. F., M.B., D.P.H. — Asst.
McMahon, M. F., M.D., B.Ch. — Asst.
Whelton, A., B.A., M.D., F.R.C.P.I. — Asst.

*Mental Diseases*

Honan, B. F., D.P.M. — Lectr.

*Obstetrics and Gynæcology*

Kearney, W., M.D., M.A.O. — Prof.

*Ophthalmology and Otology*

O'Hea-Cussen, V., M.B., D.O. Oxon. — Prof.

*Orthopædics*

O'Connell, St. J. G., M.B., F.R.C.S. Ed. — Asst.

*Pædiatrics*

Barry, R. G., M.D., D.C.H. — Lectr.

*Pathology*

O'Donovan, W. J., M.B., B.Sc., D.P.H. (Clin. P.) — Prof.
..... — Lectr.

*Surgery*

Kiely, P., B.Sc., M.D., M.Ch., F.R.C.S. — Prof.
Kiely, J., M.D., M.Ch., F.R.C.S.Ed. — Asst.

*Therapeutics*

Loughnan, O. T. D., M.D. — Lectr.

## ADMINISTRATIVE AND OTHER STAFF

Officers of Residence. Catholic Students: Rev. J. P. Bastible, B.A., D.D. Church of Ireland: Dean of Residences: Ven. Archdeacon J. Hingston, M.A., B.D. Asst. Officer of Residence (Women Students): Mrs. J. Hingston. Presbyterian: Men Students—Rev. A. Cromie, M.A., LL.B.; Women Students—Mrs. Elizabeth M. Farrington, M.A., H.Dip. in Ed. Methodist: Rev. S. E. McCaffrey. Jewish: Rev. S. Barron.

STUDENTS' HEALTH SERVICE. Sec.: Mrs. Maev Morrogh, M.B., D.P.H.

CORK UNIVERSITY PRESS. Sec.: Kathleen M. O'Flaherty, M.A., Ph.D.

## GENERAL INFORMATION

QUEEN'S COLLEGE, founded in 1845, became a constituent coll. of the N.U.I. in 1908. The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES, ETC. Over 300,000 vols. (including departmental libraries). 8 TEACHING HOSPITALS. CRAWFORD OBSERVATORY (with 8-in. Equatorial telescope and 5-in. transit telescope).

FACULTIES AND DEANS. *Arts*: Prof. H. J. Treston; *Commerce*: Prof. J. Busteed; *Dairy Science*: Prof. C. Boyle; *Engineering*: Prof. H. N. Walsh; *Law*: Prof. C. K. Murphy; *Medicine*: Prof. W. J. O'Donovan; *Science*: Prof. J. McHenry.

ADMISSION. Matricn. of N.U.I. or its equivalent required. Spec. Faculty requirements: *Engineering and Dairy Science*—Entrance examn. in Maths.

DEGREES. B.A., B.Comm., B.Sc., B.Mus., B.E., 3 yrs.; B.Sc. (Dairying), LL.B., B.D.S., 4 yrs.; M.B., B.Ch., B.A.O., 6 yrs.

HIGHER DEGREES. M.A., M.Sc., M.Sc. (Dairying), M.Econ.Sc., 1 yr.; M.E., M.D., M.Ch., M.A.O., M.D.S., 3 yrs.; Ph.D., D.Econ.Sc., D.Sc., 5 yrs. (15 terms).

DIPLOMAS. Higher Dipl. in Educn., Dipl. in Psychological Med. (D.P.M.), Coll. Dipl. in Obstet., 1 yr.; Dipl. in Dairy Sc., Dipl. in Commerce, Dipl. in Chem. Tech., 2 yrs.

FEES. Arts or Commerce, £28. Law, £22. Music, £22. Science, Dairy Science or Engineering, £40. Diploma in Dairy Science, £16. H.Dip. in Education, £18. Postgraduate Courses for Higher Degrees: M.A., M.Sc. (Maths.), M.Econ.Sc., M.Comm., £18; M.Sc., £22; Doctorate, £18. Pre-Medical Course, £42. Medicine—First or Second Year, £46; Third Year, £42; Fourth Year, £30; Fifth, £21. *Clinical and Hosp. Fees*—Conjoint Hospital Ticket (3 Hospls.): Pre-Clin. (one term), £3 : 3s.; Third Year, £15 : 15s.; Fourth Year, £26 : 5s.; Fifth Year, £26 : 5s. *Special Clinical Fees*—Post Mortems, £2; Mental Hospl. (3 mos.), £4 : 4s.; Ophthalmic Hospl. (3 mos.), £5 : 5s.; Maternity Hospl. (6 mos.), £10 : 8s.; Vaccination, £1 : 1s.; Anæsthetics, £1 : 1s.; Fever Instrucn., £3 : 3s. Dentistry—First or Second Year, £46; Third Year, £30; Fourth Year, £15; Dental Hospital—*Second Dental Year*: Practical Dental Mechanics, £100. Lab. Equipment and Instruments, £8. 9 mos. General Hospital (North Infirmary), 12 guineas. *Third and Fourth Dental Years*: Dental Surgery, Orthodontia, etc., £12 p.a. for 2 yrs. Surgery Equipment and Instruments, £30 approx.

NON-MEMBERS. Non-Members may be admitted to classes if permission is granted by the President of the Coll.

ADULT EDUCATION. The Adult Educn. Cttee., in co-operation with local Cttees. of Vocational Education, conducts various courses in Adult Educn. and arranges for lectures and conferences. Coll. Dipl. in Social and Economic Science (2-yr. course); Coll. Dipl. in Social Study (2-yr. course); Coll. Dipl. in Rural and Social Sci. (2-yr. course).

GRADUATES' ASSOCIATION. Cork University Graduates' Club (non-official).

MUSEUMS. Medical, Natural History, Cork Public Museum, Botanic Garden; FIELD STATION, Lough Ine, Baltimore, Co. Cork (Zoological).

LABORATORIES, Phys., Chem., Engin. (Civil and Electr.), Biol., Geol., Physiol., Materia Medica, Pathol., Dairy Engin., Dairy Chem., Dairy Bacteriol., Dairy Technol., Biochem.

STUDENT RESIDENCES. Honan Hostel (approx. 38 men students), fee 90 gns. per session. La Retraite (approx. 30 women students), fee from 69 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, handball, tennis courts, Univ. Athletic Grounds, 15 acres in extent.

APPOINTMENTS BOARD.

UNIVERSITY PRESS. Publishes *Calendar* annually, *Cork University Record* 3 times p.a. and publications of members of the Staff.

## THE YEAR 1952–53

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 32 | 803 |
| Women | .. | 271 |
| Total | 32 | 1074 |

In addition : 142 Univ. Extension students.

DEGREES. B.A., 72 ; M.A., 7 ; B.Comm., 19 ; M.Econ.Sc., 1 ; M.Comm., 1 ; B.Sc., 29 ; M.Sc., 11 ; B.E., 33 ; M.B., 30 ; M.E., 1 ; M.D., 4 ; M.Ch., 5 ; M.A.O., 1 ; B.Sc. (Dairying), 4 ; B.D.S., 6 ; Ph.D., 4 ; M.Sc. (Dairying), 1.

[*Information compiled as at* 17/9/53.]

# UNIVERSITY COLLEGE, GALWAY

Founded 1849

*Telephone*: Galway 22.

PRESIDENT—Rt. Rev. Mgr. PÁDRAIG DE BRÚN, M.A., D.Sc.
REGISTRAR—Professor J. MITCHELL, B.Sc., B.E., F.G.S.
BURSAR—Professor P. LARKIN, B.A., H.Dip.Ed.

## TEACHING STAFF

*Anatomy*
Shea, S., M.D., B.Ch., B.A.O. Prof.

*Archæology, Celtic*
Duignan, M. V., M.A., H.Dip.Ed. Prof.

*Celtic Languages*
O'Maille, T. S., B.A., Ph.D., H.Dip.Ed. Lectr.

*Chemistry*
Dillon, T., M.A., D.Sc. Prof.
Coll, F., M.Sc., Ph.D. Lectr.
Assistants
Lee, Elizabeth, M.Sc.
Haran, P., M.Sc.
Walsh, Kathleen, M.Sc.
O'Callaghan, D. F., M.Sc.

*Classics, Ancient*
Fahy, Rev. T., M.A., B.D. Prof.
Heavey, Margaret M., M.A., H.Dip.Ed. Lectr. (in Irish).
Killeen, F., M.A. Asst.

*Economics, Commerce & Acctcy.*
O'Buachalla, L., M.Comm., H.Dip. Ed. Prof.

*Education*
Larkin, P., B.A., H.Dip.Ed. Prof.
MacFhinn, Rev. P. E., M.A., D.D., H.Dip.Ed. Lectr. (in Irish).

*Engineering, Civil*
Prendergast, W. H., D.S.O., B.E., B.Sc. Prof.
O'Connor, H. G., M.E. Lectr.
O'Lochlainn, P., B.E., M.Sc. Asst.

*Engineering, Electrical*
Ryan, E. R., B.Sc., M.E. Asst.

*English Language and Lit.*
Murphy, J., M.A., Ph.D. Prof.

*Geology and Geography*
Mitchell, J., B.Sc., B.E., F.G.S. Prof.

*German*
Shea, Mrs. Margaret M., M.A. Prof.

*History*
O'Sullivan, Mrs. Mary J. D., M.A., D.Litt. Prof.
Kennedy, Sheila G., M.A., H.Dip.Ed. Lectr. (in Irish).

*Irish, Modern*
O'Raghallaigh, T., M.A., Ph.D., H.Dip.Ed. Prof.
O'Broin, T. P., M.A. Asst.
de Búrca, S., M.A. Asst.

*Irish, Old and Middle, and Celtic Philology*
Ni Maol-Chroin, Miss Caitlin, M.A., D.Phil. Bonn, H.Dip.Ed. Prof.

*Law and Jurisprudence*
Gallagher, P. J., B.A., LL.B. Prof.

*Mathematics*
Power, M., M.A., B.Sc. Prof.

Newell, M., M.Sc. Lectr. (in Irish).
Ryan, E. R., B.Sc., M.E. Asst.

*Mathematical Physics*

MacCionnaith, E., M.A., M.Sc. Prof.

*Medicine*, v. *infra*

*Natural History*

Dinan, T. J., M.Sc. Prof.
De Valera, Máirin, M.Sc., Ph.D. Lectr.
O'Doherty, Bridget, B.Sc., H.Dip. Ed. Asst.

*Philosophy*

O'Brien, Rev. F., Ph.D., D.D., B.C.L. Rome, Lic.Sc.Hist. Louvain Prof.
Nolan, Rev. H., D.Phil. Louvain, M.A. Lectr.

*Physics*

O'Brolchain, C., M.Sc., Ph.D. Prof.
Larkin, D. M., M.Sc. Lectr.

*Physiology*

Donegan, J. F., B.Sc., M.B., B.Ch., B.A.O. Prof.

*Romance Languages*

O'Brien, W., M.A. Prof.
O'Reilly, Mary J., M.A. Lectr.

**Medicine**

*Med. Jurisprudence and Hygiene*

..... Lectr.

*Medicine*

O'Donnell, M. J., M.D. Prof.

*Mental Diseases*

McCarthy, C. J., M.B., D.P.H. Lectr.

*Midwifery and Gynæcology*

..... Prof.

*Ophthalmology and Otology*

O'Malley, C. C., B.Sc., M.D., B.Ch., B.A.O., D.O.M.S. Prof.

*Pathology*

..... Prof.

*Surgery*

O'Malley, M. G., M.B., B.Ch., B.A.O., F.R.C.S. Prof.

*Therapeutics, Mat. Med. and Pharmacol.*

McDermott, E. N., B.Sc., M.D., F.R.C.S.I. Prof.

## 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. Mary O'Driscoll, B.Comm.

ASSISTANT LIBRARIAN: M. J. Fahy.

## GENERAL INFORMATION

Queen's College, Galway, opened in 1849, became a constituent College of the N.U.I. in 1908.

LIBRARY: 80,000 vols. LABORATORIES: Physics, Chem., Biol., Physiol., Path., Geol., Engin. MUSEUMS: Nat. Hist., Archæol., Mat. Med., Gynæc., Anat.

DEGREE COURSES in Arts, Celtic, Science, Law, Med., Engin., Commerce. Courses for Diplomas in Educn., Commerce.

Med. degree students are required to spend 1 yr. at a Metropolitan Hospl. after a 5 yrs.' course in the College and 2 yrs. in the Galway Hospitals.

FEES. College, £3: 10s. p.a. Inclusive approximate fee for complete Degree course: Arts, 3 yrs., £63; Science, 3 yrs., £84; Law, at least 6 terms after

B.A., £48; Medicine, 6 yrs. (including 2 yrs.' General Hospital fees), £181; Engineering, 3 yrs., £84; Commerce, 3 yrs., £60. Postgraduate or research course, £15.

RESIDENCE. The cost of board and lodging for a student varies from 60s. to 70s. a week. Every student is required to Register under a Dean of Residence, who exercises supervision over the general conduct of students outside the precincts, and every woman student under a Lady Supt., who exercises supervision over their conduct within the precincts of the College.

There is a UNIVERSITY APPOINTMENTS BUREAU and a STUDENT HEALTH SERVICE.

PUBLICATIONS. List of licensed lodging-houses, free; *College Calendar* (2s. 4d.); Regns. for Degrees and Courses (1s. 3d.); Regns. for Scholps. (2½d.); Gaeltacht Scholarships (1½d.); Univ. Examn. Papers (post free, 1s. 8d.), from O'Gorman and Co., Galway.

## THE YEAR 1951–52

STUDENT NUMBERS.

| | *Part-Time* | *Full-Time* |
|---|---|---|
| Men | 44 | 583 |
| Women | 9 | 280 |
| Total | 53 | 863 |

Postgraduate students, 53.
First-year admissions, 254.

DEGREES. B.A., 62; M.A., 6; B.Comm., 29; H.Dip. in Ed., 55; B.E., 30; M.E., 1; LL.B., nil; M.B., B.Ch., B.A.O., 30; M.A.O., 1; B.Sc., 12; M.Sc., 9.

# APPENDIX VII

## ANGLO-AMERICAN ACADEMIC RELATIONS

A summary of the regulations governing the admission of American students to United Kingdom Universities will be found in Appendix I above.

Appendix II lists many fellowships and scholarships which are tenable at United Kingdom Universities and University Colleges and for which American graduates are eligible to compete. Appendix III, although it does not claim to be exhaustive, contains information about some of the more important postgraduate awards, *e.g.* the Commonwealth Fund, English-Speaking Union, Henry, King George VI Memorial, Procter and Smith-Mundt awards, tenable in the United States of America by British graduates. For Fulbright and Marshall awards, *see below*. The awards noted in Appendices II and III are "open," *i.e.* not restricted to graduates of any one University. Some United Kingdom Universities have also arranged direct exchanges of their staff, graduates or senior students with American institutions, *e.g.* St. Mary's Hospital Medical School (University of London) has a regular exchange scheme at graduate level with the Peter Brent Brigham Hospital, Boston (associated with Harvard University); and the University of Glasgow exchanges a scholar annually with Cornell University.

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. 1953–54: C. D. Edwards, Director of the Bureau of Industrial Economics, Federal Trade Commission, Washington; 1954–55: J. H. Brebner, Professor of History at Columbia Univ.

LONDON. *Commonwealth Fund Professorship of American History*, tenable at University College. The Commonwealth Fund of New York appropriated $214,500 in 1929 to endow a Department of American History at University College, University of London, including a professorship and assistants. Present holder: Professor H. Hale Bellot, M.A. Oxon. A sum of £4991 was raised in London and New York, the income of which is available for the library of American History at the College and the library on the same subject at the Institute of Historical Research, University of London, Senate House, London, W.C.1.

MANCHESTER. *Department of American Studies.* The Dept. was instituted in 1948, when Prof. I. L. Kandel, formerly Professor of

Education at Columbia Univ., was appointed Professor of American Studies; he retired in 1950. The Dept. gives courses which may form part of the Ordinary degrees of B.A., B.A.(Mus.), B.A.(Com.) and B.A. (Admin.); research students are also accepted. The staff of the Dept. consists of 1 Lectr., 1 full-time and 1 pt.-time Asst. Lectr. *See also* p. 374.

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. 1953–54: W. Van O. Quine, M.A. Ball (Harvard).

*Harold Vyvyan Harmsworth Professorship of American History.* At the time of his election the Professor, whose term of office is 1 to 5 years, must be an American citizen. 1953–54: R. A. Billington, Ph.B. Wis., M.A. Mich., Ph.D Harv.

WALES. University College of Wales, Aberystwyth. Lectures are given in the Dept. of History on the History of the United States of America 1783–1941. The lecturer appointed is normally a specialist in American History (at present A. A. Conway, M.A. Lond.).

SIR GEORGE WATSON CHAIR OF AMERICAN HISTORY, LITERATURE AND INSTITUTIONS, founded 1920. The holder, in alternate years a British and American authority on one of the subjects, delivers a course of lectures at a British University or other institution. Lecturer, 1953: R. F. Harrod. Subject: "The Dollar." Lecturer, 1954: Dr. Robert Hutchins. Subject: "The Idea of an American University." The Foundation is administered by the Sulgrave Manor Board and all communications should be addressed to the Secretary (G. M. Veit, M.A.), 37 Charles St., Berkeley Sq., London, W.1. *Telephone*: Mayfair 7400, 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.

*Executive Secretary,* United States Educational Commission in the

United Kingdom—Richard P. Taylor, M.A. *Postal Address*: 55 Upper Brook St., London, W.1. *Cables*: Usedcom. *Telephone*: Mayfair 2191-3.

MARSHALL SCHOLARSHIPS. To express the United Kingdom's gratitude to the United States Government and people for the European Recovery Programme, H.M. Government has, under the Marshall Aid Commemoration Act, 1953, established a scheme of scholarships tenable at Universities and University Colleges in the United Kingdom by citizens of the United States. The scheme is administered by a Commission of nine persons under the chairmanship of Sir Oliver Franks, G.C.M.G., K.C.B., C.B.E., the Executive Secretary being Dr. J. F. Foster, of 5 Gordon Square, London, W.C.1. Twelve scholarships, tenable for two years with a possibility of extension to a third and of a normal value of £550 per year, with transatlantic fares, are offered each year to United States graduates of both sexes under 28 years of age. High academic ability and wide interests are demanded of the candidates. The primary selection of scholars is made in the U.S.A. by regional committees whose secretariates are at H.M. Consulates-General in New York, New Orleans, Chicago and San Francisco, where full particulars and application forms may be obtained. The first Marshall Scholars will enter British Universities in October 1954, the closing date for applications having been September 1, 1953.

BRITISH INFORMATION SERVICES (established 1942 by the fusion of the British Library of Information and the British Press Service), 30 Rockefeller Plaza, New York 20, N.Y. (*Cables*: Digestion, New York; *Telephone*: Circle 6-5100) (Reference Division, Press and Radio Division, Films and Publications Division). B.I.S. is a part of the Foreign Office Information Services and its services are confined to the United States and its possessions. It has a library of official documents, British newspapers and periodicals, and books dealing with every aspect of British affairs; these are available for inter-library loan as well as for study in the B.I.S. reading-room. B.I.S. has a collection of the calendars of United Kingdom Universities of which all but the most recent issues are available for loan; calendars can be borrowed only through a local library, as B.I.S. does not lend books direct to individuals. B.I.S. answers enquiries on British affairs, and publishes information papers, pamphlets and periodicals. The Reference Section answers enquiries on British and Commonwealth affairs. A special section deals with Economic affairs. 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 news-agencies, but supplies background material not available elsewhere. Speakers are provided for clubs, schools, Universities and other organizations. B.I.S. is the agency in the United States for Her Majesty's Stationery Office. It has branch offices in Washington (3100 Massachusetts Avenue), Chicago (720 N. Michigan Ave.), San Francisco (310 Sansome Street), and Los Angeles (448 South Hill Street). *Controller*—John W. Russell.

PUBLICATIONS. Students in the United Kingdom who contemplate a period of study in the United States, and who wish to consult the

*Scientific Man-Power : Report of Committee appointed by Lord President of Council.* Chairman : Sir Alan Barlow. Cmd. 6824. (H.M.S.O., 1946.)

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*Universities Quarterly.* Edited by C. R. Morris. (Turnstile Press, London.)

*The Universities Review.* Edited by Prof. C. M. MacInnes. Issued by the Association of University Teachers.

# APPENDIX VIII

## INTERNATIONAL UNIVERSITY ORGANIZATIONS

THE INTERNATIONAL ASSOCIATION OF UNIVERSITIES (I.A.U.) was formed, and its constitution adopted, by the delegates of 167 Universities and institutions of higher learning from 52 different countries, at the International Conference of Universities held at Nice in Dec. 1950. The first steps towards its formation had been taken by the Preparatory Conference of Universities organized at Utrecht in Aug. 1948 by UNESCO, in collaboration with the Netherlands Government.

The purpose of the Association, as defined in its constitution, is " to provide a centre of co-operation at the international level among the Universities and similar institutions of higher education of all countries, as well as among organizations in the field of higher education generally." The organs of the Association are: the General Conference of Universities, meeting at least once every five years; the President of the Association, elected by the General Conference and holding office until the next meeting of the General Conference; the Administrative Board of the Association, of which the President of the Association is chairman; the International Universities Bureau, (I.U.B.), which is the Association's secretariat and maintains documentation, information and research services at the disposal of all institutions of higher education. It also publishes quarterly the *Bulletin of the International Association of Universities*, together with a series of special brochures (No. I—*Health at the University*; No. II (in preparation)—*The Financing of Higher Education*). Other publications include: *Report of the International Conference of Universities, Nice, December 1950* (1951); *University Degree Systems* (1952); *The Rôle of the Universities*, by Dr. B. A. Houssay (1952); *International List of Universities* (1952 and 1954); *Provisional Report*, 9th Dec. 1950–31st Jan. 1952, and *Report* of the Administrative Board for the years 1952 and 1953.

The following are at present in office: *President of Association and Chairman of Administrative Bd.*, Dr. Jean Sarrailh, Rector, Univ. of Paris; *Vice-President of Association and Vice-Chairman of Administrative Bd.*, Dr. S. C. Roberts, Univ. of Cambridge; *Members of Administrative Bd.*, Vice-Chancellor E. Ashby, The Queen's Univ., Belfast; Vice-Recteur J. Baugniet, Univ. Libre de Bruxelles; Rettore C. Cereti, Univ. di Genova; Prof. M. C. Chagas, Univ. Nacional de Brasil; S. R. Dongerkery, Registrar, Univ. of Bombay; Prof. W. Erbe, Univ. of Tübingen; Prof. M. H. Fisch, Univ. of Illinois; Recteur L. Garrido, Univ. Autonoma Nacional de Mexico; President M. V. De Los Santos, Univ. of Manila; Prof. J. Nielsen, Univ. of Copenhagen; Dean F. Rogers, Harvard Graduate School of Arts and Sciences; Prof.

T. Saglam, Univ. of Istanbul; Rector A. Siassi, Univ. of Teheran. *Secretary-General of Association and Director of International Universities Bureau*, H. M. Keyes. *Postal Address*: 19 Avenue Kléber, Paris 16. *Telephone*: Kléber 52-00, Balzac 24-08.

INTERNATIONAL ASSOCIATION OF UNIVERSITY PROFESSORS AND LECTURERS. I.A.U.P.L. took shape from the amalgamation of two sources: the movement towards co-operation among University personnel, under the name of the International University Conference, which was inaugurated by the United Kingdom Association of University Teachers in 1934; and the activities and discussions of University teachers and research workers who were temporary inhabitants of Great Britain during the recent world war and who, with some British colleagues, formed themselves into the Association of Professors and Lecturers of the Allied Countries in Great Britain. Provisional statutes of I.A.U.P.L. were adopted at the Oxford Conference in 1944, and definitive statutes at the Brussels Conference in 1947.

I.A.U.P.L. is a democratically constituted, federal organization of separate national associations of University teachers. Since its formation I.A.U.P.L. has grown considerably in membership of national sections and groups, and in 1953 comprised 25 such affiliated associations, representing a total membership of some 56,000 University teachers. Each of the affiliated national associations retains its identity and autonomy. There are some individual members of I.A.U.P.L. where such national, University or College staff associations do not exist.

The broad aims of I.A.U.P.L. are the development of academic fraternity among University teachers of the various countries across national and faculty boundaries; the protection of the independence and freedom of teaching and research; the furtherance of the interests of University teachers; and the consideration of any academic problems, whether initiated by the Association itself or referred to it by Governments, or Universities, or by UNESCO.

I.A.U.P.L. is a non-governmental, non-political, non-sectarian body. It is recognized as holding consultative status by UNESCO and by other United Nations organizations. It works in friendly co-operation with similar organizations in other fields of University work and life.

Its academic programme has comprised: the scheme for the establishment of an International Universities Bureau (1948) (*see* p. 1702), and of an International Institute of Social Sciences (1949) (this project is still under discussion by a UNESCO committee); the report on Student Health Services (1950); on Recurrent Long Leave (1950); a continuing report on the Equivalences of University Degree Systems (1948, 1950, 1953); a study on the Exchange of University Personnel (1953); a continuing report on Academic Freedom; a comprehensive study of the conditions of Salary, Superannuation and Status of University Teachers in various countries; and a current enquiry into the relations between Scientific Research in Universities and in industry. In its coming programme I.A.U.P.L. intends to study the questions of the place of the Universities in training for management and executive posts in industry, visiting professorships and staff-student committees.

These and other topics of interest to all University teachers are discussed at annual international conferences which, since the war, have been held at Oxford, Brussels, Paris, Basle, Florence, Nice and Amsterdam. The 1954 Conference is to be held in Vienna.

*Journal—Communication*, normally published 3 times a year. *General Secretary*—Professor F. T. H. Fletcher. *Organizing Secretary*—Dr. Livesey Haworth, 19 Dunraven Street, London, W.1. *Telephone* : Mayfair 5934.

THE INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, founded in 1919, is a world-wide organization of women who have had a University training. Membership is open to all qualified University women without distinction of race, religion or political opinion, through National Associations which are affiliated in over 30 countries, with a total membership of over 146,000.

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* : 1 Sedding St., London, S.W.1. *Cables* : Ifederuw, London. *Telegrams* : Ifederuw, Knights, London. *Telephone* : Sloane 8281.

WORLD UNIVERSITY SERVICE (formerly International Student Service) has developed from the feeling for mutual assistance between members of the world University community which led to the formation of the University Committee of the Imperial War Relief Fund in 1920.

W.U.S. to-day is a fellowship of over thirty national committees co-ordinated by an International Secretariat in Geneva. It seeks to promote the free flow of information and to create a spirit of understanding between members of Universities and Colleges throughout the world. In war-devastated and undeveloped countries W.U.S. helps to establish new student hostels, clinics, sanatoria, rest centres, and refugee camps ; as far as its funds permit, it provides drugs,

supplementary food and clothing for individual students and lecturers in need, and books, stationery, laboratory equipment and periodicals are sent to Universities where they are lacking. In Britain, students are recruited by W.U.S. for overseas conferences, study tours, seminars and vacation courses, travel bursaries often being made available. Hospitality is sought for colonial and foreign students in Britain, and W.U.S. seeks to develop the interest of British students in University life abroad.

The International Headquarters of W.U.S. is at 13 rue Calvin, Geneva, Switzerland.

*President*, British Committee—Sir Walter Moberly, G.B.E., K.C.B., D.S.O., M.A., D.Litt. *General Secretary*, British Committee—Douglas Mayer, B.Sc. *Postal Address*: 59 Gloucester Place, London, W.1. *Telegrams*: Interstud, London. *Telephone*: Welbeck 3921.

UNESCO AND UNIVERSITIES. UNESCO, the United Nations Educational, Scientific and Cultural Organization, directly and indirectly fosters international contacts among Universities all over the world and encourages them to give mutual assistance in various fields of their activities. The annual UNESCO publication, *Study Abroad*, lists more than 43,000 fellowships offered by Governments and other bodies to students of various nations to enable them to study abroad.

UNESCO gave impulse and assistance to the representatives of various national Universities in the organization of two University Conferences: at Utrecht in 1948 and at Nice in 1950. (*See* I.A.U. above.)

UNESCO maintains close working relations with the international University bodies listed above and with the international student organizations. All these organizations benefit from a special consultative arrangement with UNESCO.

The working programme of UNESCO includes several activities of importance to the Universities, such as, upon their request, assisting them to obtain books and other equipment; helping certain countries to find University teachers abroad; publishing quarterly lists of University staff wishing to consider a teaching assignment abroad; organizing assistance to refugee students; maintaining special regional offices throughout the world to promote co-operation among scientists in the area; offering assistance to international organizations in all fields of education, science, and culture, and promoting the creation and development of such organizations; promoting the creation of research centres on an international basis (*e.g.* a computation centre); working for an improvement in scientific abstracting. The Universities of different countries often provide UNESCO with experts to carry out these projects.

The programme of UNESCO is carried out by the 69 Member States, assisted by a secretariat, headed by the Director-General. *Postal Address*: 19 Avenue Kléber, Paris 16. *Telegrams*: Unesco Paris. *Telephone*: Kléber 52-00, Balzac 24-02.

# APPENDIX IX

## SHORT BIBLIOGRAPHY

The two lists which follow do not claim to be exhaustive and may be supplemented by reference to the " Publications " paragraph in each University entry above.

**Part I.** This section lists books and reports of immediate interest which have appeared since the 1953 *Yearbook* went to press.

*African Education: A Study of Educational Policy and Practice in British Tropical Africa.* Chairman of Conference: Sir Philip Morris. Obtainable from Crown Agents for the Colonies, London. Published 1953.

*Government Assistance to Universities in Great Britain.* Memoranda, submitted to the Commission on Financing Higher Education, by H. W. Dodds, L. M. Hacker and L. Rogers. (Columbia University Press, 1952.)

*Higher Education for Africans in Central Africa: Report of Commission.* Chairman: Sir Alexander Carr-Saunders. Obtainable from Inter-University Council for Higher Education in the Colonies, London. Published 1953.

*Higher Education in India: A Handbook for Overseas Students.* (Ministry of Education, Government of India, 1953.)

*Index Generalis.* Edited by S. de Montessus de Ballore. Nineteenth Year, 1952–53.* (Dunod, Paris, 1953.)

*Index to Theses Accepted for Higher Degrees in the Universities of Great Britain and Ireland.* Volume 1, 1950–51. Edited by P. D. Record. (Aslib, 1953.)

*Minerva: Jahrbuch der Gelehrten Welt.* Universitäten und Fachhochschulen. 1. Band: Europa. Edited by Dr. G. Oestreich and F. Degener. Thirty-fourth annual publication.* (de Gruyter, Berlin, 1952.)

*Nature and Needs of Higher Education: Report of Commission on Financing Higher Education* (Columbia University Press, 1952). [The Commission has also produced various subsidiary reports.]

*Proposed Arrangements for the Administration of the Marshall Scholarship Scheme.* Cmd. 8846. (H.M.S.O., 1953.)

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*The Social Function of the University.* Sir Hector Hetherington. Essex Hall Lecture. (Lindsey Press, 1953.)

[*South African*] *University Finances and Salaries, 1951: Report of Commission of Enquiry.* Chairman: J. E. Holloway. (Govt. of Union of South Africa, 1953.)

*The Universities and Industry Conference: Report.* (Federation of British Industries, 1953.)

* First issue since the war.

*Universities in Adult Education.* (UNESCO, 1952.)
*Universities in Britain.* S. R. Dongerkery. (Oxford University Press, Bombay, 1953.)
*University Grants Committee: University Development, Report on the Years 1947 to 1952.* Cmd. 8875. (H.M.S.O., 1953.)
*World Directory of Medical Schools.* (World Health Organization, Geneva, 1953.)

**Part II :** This list covers works of more than immediate interest not included in Part I. It does not include books about individual Universities.

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*A Brief Guide to Australian Universities.* Second edition, 1951. (Melbourne University Press, for Australian Council for Educational Research.)
*Student Selection and Academic Success in Australian Universities.* C. Sanders. (Govt. Printer, Sydney, for Commonwealth Office of Education, 1948.)
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#### Canada

*Yearbook of Canadian Universities.* Edited by J. B. Marshall. Third issue, 1952. (National Conference of Canadian Universities.)

#### France

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#### Germany

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#### India

*Bureau of Education, India : Education in Universities in India, 1948–1949.* A statistical survey. (Delhi, 1952.)
*Handbook of the* [*Indian*] *Universities, 1951.* (Inter-University Board, India.)

#### South America

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#### Switzerland

*Schweizerischer Hochschulkalender, 1953–54.* 88th edition. (Leemann, Zürich, 1954.)

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*Note.*—References to subjects which may be studied at every, or almost every, University are too numerous for inclusion ; *e.g.* Biochemistry ; Biology ; Botany ; Chemistry ; Classics ; Economics, also Political Economy ; Education ; Engineering, Civil, Electrical and Mechanical ; English Literature ; French ; Geography ; Geology ; German ; History ; Law ; Mathematics, Pure and Applied ; Music ; Philosophy ; Physics ; Physiology ; Politics, also Political Science ; Zoology.

Under Medicine, Colleges, Schools and Departments of, will be found references to places where Medicine may be studied. The following Medical subjects which are generally studied are omitted : Anæsthetics ; Anatomy ; Bacteriology ; Dermatology ; Forensic Medicine ; Gynæcology ; Obstetrics ; Ophthalmology ; Orthopædics ; Oto-rhino-laryngology ; Pædiatrics ; Pathology ; Surgery.

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, etc. ; *App.* = Appendices.


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