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THE YEARBOOK OF THE
UNIVERSITIES OF
THE COMMONWEALTH
1953

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

Sixth Congress of Universities of the British Commonwealth, 1948 : Report of Proceedings. 21s.

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.) 6s. (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., 1952.) 5s.

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

1953

FIRST PUBLISHED 1914
THIRTIETH ISSUE

PUBLISHED FOR
THE ASSOCIATION OF UNIVERSITIES
OF THE BRITISH COMMONWEALTH

BY

G. BELL AND SONS, LTD
LONDON

1953

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

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

PREFACE

THIS is the thirtieth edition of the *Commonwealth Universities Yearbook* as the pre-war *Universities Yearbook* has come to be called. The prefix "Commonwealth" should not, however, obscure the fact that one-third of the volume is devoted to the Universities of the United Kingdom, as the most highly developed group of academic institutions in the Commonwealth, and that the *Yearbook* is still the principal single collection of information about them as well as about their sister institutions overseas. The urgent need for exact terminology to replace that formerly used for the political entities of the Empire is perhaps felt more by the editor of a work of this kind than by most persons who have to discuss Commonwealth affairs, but one of the principles on which this compilation is based is that, despite certain present-day colloquial usages, the term "Commonwealth" does include the United Kingdom.

These annual volumes continue to grow in size, the present edition being larger than any of its predecessors not only because entries for individual Universities require more room as their staffs and activities grow, but also because in nearly every part of the Commonwealth the post-war years have seen the establishment of new Universities. The present edition contains new entries for three Indian Universities (Baroda, Bihar and Visva-Bharati), and for one in Pakistan (Karachi), while in the Canadian section a full entry appears for the Nova Scotia Technical College now a member of the National Conference of Canadian Universities. The new University of Southampton, hitherto Southampton University College, appears in this edition among the English Universities.

Attention is called to the compilation of information on various general questions in the Appendices. The *Yearbook* has for many years contained in Appendix I a comprehensive statement of the qualifications required for admission to a first degree course in United Kingdom Universities, but an innovation this year is the inclusion of similar statements for Canada, Australia and South Africa. Appendices II and III have already been printed as a separate pamphlet with the title *United Kingdom Postgraduate Awards, 1952-53*; the section covering awards for work abroad by United Kingdom graduates is greatly expanded this year, and is now a comprehensive list of the principal grants of this kind. It is not as generally known as it should be that with each issue of the *Yearbook* is published—with this edition in Appendix IV—a statistical analysis of the students from overseas in the United Kingdom Universities. Among the other Appendices, the Short Bibliography, to which has been added a special list of works on University topics published in the United Kingdom in the past year, should be of particular value.

The seventh quinquennial Congress of the Universities of the Commonwealth is to be held at Cambridge in the summer of 1953 and the present volume has been prepared partly with a view to its usefulness for the four hundred delegates expected to attend that gathering, as a single manageable volume for reference about colleagues' Universities.

In particular the introductory chapter to each national group of Universities has been brought up to date for this edition, those for Canada, India, and Pakistan being wholly rewritten and those for the other countries substantially revised. An effort has been made this year to cover the somewhat disorderly field of academic abbreviations by providing, in addition to the table of non-University distinctions included in previous editions, lists of the abbreviated names of Universities as used in this publication, and of the official titles of all degrees awarded by Universities in the Commonwealth. As, in addition to providing information on the structure and activities of so many Universities, the book sets out to give a full directory of the names and degrees of all the members of academic staffs, it is considered that the names index in the final hundred and fifty pages has a unique value in enabling the current appointment to be ascertained of any scholar engaged in academic work anywhere in the Commonwealth. It is a matter of interest that this index contains 30,000 names. Some general notes on the form of the University entries are given on pp. xxxi-xxxii.

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 only purport 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.

The Association of Universities of the British Commonwealth

5 Gordon Square, London, W.C.1

February 1953

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THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

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At the final meeting of the Congress of 1912 the delegates resolved that steps be taken for the formation in London of a Bureau of Information for the Universities of the Empire. In the spring of 1919 the Government offered a non-recurrent grant of £5000 to enable the Committee to secure and furnish premises suitable for the wide activities which the Bureau had developed, on condition that the Universities of the Empire undertook to provide funds adequate to its maintenance, and the Bureau was incorporated under licence of the Board of Trade. The Committee thereupon purchased the lease of No. 50 Russell Square. In 1930 the lease of these premises was sold and new offices were built at 88A Gower Street (in Torrington Place), W.C.1, on a site the lease of which was taken from the University of London. At the Fourth Quinquennial Congress of Universities of the Empire, held in Edinburgh in July 1931—the Second having been held at Oxford in 1921 and the Third at Cambridge in 1926—new Articles of Association for the re-organization of the Bureau were considered by the delegates of the 69 Universities represented, and, subject to certain amendments, approved. The Articles were submitted in Sept. 1931 to the Board of Trade, which accorded its approval, subject to the deletion from Article 3 of the following proviso: "Provided that the powers of the Association shall not be exercised in any such way as to purport to restrict the powers and duties exercised by the constituent members under the several charters, statutes, regulations and other instruments of their self-government."

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

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

MEMORANDUM AND ARTICLES OF ASSOCIATION OF THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

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

MEMORANDUM OF ASSOCIATION

1. The name of the Association is " THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH."
2. The registered office of the Association will be situate in England.
3. The objects for which the Association is established are :
 - (1) To take over and accept by way of gift or otherwise such of the assets and property of the unincorporated Universities Bureau of the British Empire, established in 1912, as the Association may lawfully acquire and to carry on and continue the undertaking and activities of the said Bureau.
 - (2) To collect and distribute information from time to time on matters of interest to the Universities of the British Empire.
 - (3) To arrange conferences and congresses and otherwise to facilitate communication and the interchange of information between the said Universities and between them and the Governments and other public bodies and learned institutions and societies of the British Empire and the Governments, Universities and other bodies of foreign countries.
 - (4) To facilitate the interchange of students and teachers between the said Universities and between them and the Universities of foreign countries.
 - (5) To establish and maintain a central office in London which shall serve, amongst other things, as a secretariat for the standing Committee of Vice-Chancellors and Principals of Universities in the United Kingdom and for any other Committees which the Universities may from time to time appoint.
 - (6) To establish and maintain offices in any other parts of the United Kingdom or in any state, colony, or dependency of the British Empire or in any foreign country or state, to form centres and secretariats for the work and activities of the Association.
 - (7) To print, publish and circulate handbooks, periodicals, circulars, leaflets and other publications with a view to making known and to furnishing and disseminating information about and encouraging interest in the objects, work and activities of the Association in any part of the world, and generally in connexion with the carrying out of its objects.

- (8) To invite and collect subscriptions and donations to the funds of the Association by any lawful means.
- (9) To co-operate with other associations having similar objects with a view to the promotion of the objects of this Association.
- (10) To make, accept, endorse, discount and execute promissory notes, bills of exchange and other negotiable instruments.
- (11) To invest the moneys of the Association not immediately required for the purposes of the Association in or upon such securities and in such manner as may from time to time be deemed expedient, provided that moneys subject or representing property subject to the jurisdiction of the Charity Commissioners or Board of Education shall not be invested except in such securities and with such sanction (if any) as may for the time being be required by law.
- (12) To borrow or raise money for the purposes of or in connexion with the Association's objects and to secure the same by mortgage or charge of any property of the Association or by the issue of debentures or debenture stock, charged on its undertaking or otherwise, or in any other manner as may be deemed expedient.
- (13) To do all such other things as may be thought calculated to promote the interests and well-being of the Universities of the British Empire or any of them.
- (14) To do all such other things as may be incidental or conducive to the attainment of the above objects or any of them.

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

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

MEMORANDUM OF ASSOCIATION

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

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

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

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

7. The liability of the Members is limited.

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

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

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

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

ARTICLES OF ASSOCIATION

PRELIMINARY

1. The number of the Members of the Association is declared not to exceed 100, but the Council may at any time register an increase in the number of the Members.

2. These Articles shall be construed with reference to the provisions of the Companies Act, 1929, and terms used in these Articles shall be taken as having the same respective meanings as they have when used in that Act.

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

MEMBERSHIP

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

- (a) *Ordinary Members* who shall be (i.) such of the Universities specified in Schedule A attached to these Articles as sign the undertaking required by Article 5, and (ii.) such Universities situate within the British Empire, which may be hereafter incorporated, as are admitted members by the Council in accordance with such regulations as may be framed by the Council in this behalf.
- (b) *Associate Members* who shall be such Universities in mandated territories and such other institutions being University Colleges or Colleges of Universities within the Empire (being corporate bodies), as may hereafter be admitted members by the Council under such conditions of membership as may be prescribed by the Council in this behalf.
- (c) *Such other classes of members* (consisting of corporate bodies) as may from time to time be admitted by the Council under such conditions of membership as may be prescribed by the Council in this behalf.

5. Every Member shall sign an undertaking in such form as the Council may require to observe and perform all the conditions and provisions of the regulations of the Association for the time being in force, and thereupon the name of such Member shall be entered in the register of Members of the Association.

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

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

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

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

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

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

DUTIES OF MEMBERS

11. Every Member of the Association shall be bound—

(a) To pay to the Association such minimum annual subscriptions for the various classes of members as may be fixed by the Associa-

tion at its first General Meeting after the adoption of these Articles, and as may subsequently be fixed from time to time at Extraordinary Meetings held during the progress of Quinquennial Congresses, under the provisions of Article 35.

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

COUNCIL OF THE ASSOCIATION

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

<i>Members within—</i>	<i>Class of Member</i>	<i>No. of Representatives</i>
Great Britain and Ireland	Ordinary	4
Canada	Ordinary	2
Australia	Ordinary	2
New Zealand	Ordinary	1
South Africa	Ordinary	2
India and Ceylon	Ordinary	2
Pakistan	Ordinary	1
Other Parts of the Commonwealth	Ordinary and Associate	2

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

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

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

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

16. No act or resolution of the Council shall be invalidated by reason

of the existence of any vacancy or vacancies among Members of the Council, but if the number of Members of the Council shall be reduced below 13 the continuing Members may act for the purpose only of filling vacancies or summoning a General Meeting of the Association.

17. The Council shall manage and control all matters relating to the management and organization of the Association and may exercise all such powers of the Association as are not by the Companies Act, 1929, or by these Articles required to be exercised by the Association in General Meeting, subject nevertheless to any regulation of these Articles, to the provisions of the said Act, and to such regulations being not inconsistent with the aforesaid regulations or provisions, as may be prescribed by the Association in General Meeting; but no regulation made by the Association in General Meeting shall invalidate any prior act of the Council which would have been valid if that regulation had not been made.

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

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

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

21. The Chairman of the Council may at any time, and the Secretary upon the request of six Members of the Council shall, convene a meeting of the Council. In the case of a meeting convened at the request of six Members the notice of meeting shall state the character of the business to be discussed, and only business of which notice shall have been so given shall be discussed at that meeting. Each Member of the Council shall name an address in the United Kingdom at which all notices shall be served upon him, and all notices served at such address shall be deemed to be well served. Questions arising at any meeting of the Council shall be decided by a majority of Members present and voting at such meeting. In the event of the votes being equally divided the Chairman shall have a second or casting vote.

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

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

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

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

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

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

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

- (1) for admitting Universities which may hereafter become corporations ;
- (2) for admitting as Associate members Corporations which are Universities in mandated territories and other institutions being University Colleges or Colleges of Universities within the Empire ;
- (3) for assigning privileges of membership to (a) Associate members and (b) other classes of members ;
- (4) for prescribing a form to be signed by members prior to admission as members ;
- (5) for prescribing the manner in which the groups of Universities referred to in Article 12 shall appoint representatives ;
- (6) for managing the business and defining the duties of the Association ;
- (7) for delegating to Committees of the Council such of its powers as are not inconsistent with the provisions of these Articles ;
- (8) for fixing the manner of the appointment of the special Committees referred to in Articles 18 and 19 ;
- (9) for arranging for the provision of secretarial assistance to such Committees ; and for assessing any exceptional expenditure involved and distributing it amongst Universities concerned ;
- (10) for determining the period for which the Chairman of the Council is to hold office ;
- (11) for defining the manner in which the minutes of business transacted at meetings of the Association are to be recorded ;
- (12) for providing for the custody of the seal and for determining the officer of the Association other than the Secretary who may countersign instruments to which the seal is attached ;

ARTICLES OF ASSOCIATION

- (13) for prescribing the form in which instruments appointing proxies shall be framed ;
- (14) for prescribing the books of account which have to be maintained in accordance with the provisions of Article 60 ;
- (15) for prescribing the place at which such books of account shall be kept.

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

MINUTES

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

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

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

SEAL

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

GENERAL MEETINGS

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

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

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

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

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

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

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

40. The business of an Ordinary Meeting shall be—

- (a) To receive and consider the accounts, the balance sheet and the reports of the Council and the Auditors.
- (b) To appoint an Auditor or Auditors and fix his or their remuneration.
- (c) To appoint the Members of Council in accordance with the provisions of Article 13.

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

41. Subject to the provisions of Section 117 (2) of the Companies Act, 1929, relating to Special Resolutions, twenty-eight days' notice at the least (or in the case of a meeting convened pursuant to a requisition of Members fourteen days' notice at the least) exclusive of the day of giving the notice but inclusive of the day of the meeting, specifying the place, the day and hour of meeting and (in case of special business) the general nature of such business, shall be given by notice to the Members in manner hereinafter stated with reference to the giving of notices, but the accidental omission to give such notice to or the non-receipt of such notice by any Member shall not invalidate the proceedings of any meeting. It shall not be necessary to give notice of a meeting to a representative of a Member who has no registered address in the United Kingdom.

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

43. A quorum shall consist of ten Ordinary Members.

44. If within half-an-hour from the time appointed for a meeting ten Ordinary Members entitled to vote are not present the meeting if convened upon a requisition of Members shall be dissolved, but in any

other case it shall stand adjourned to a place to be fixed by the Chairman and to a date to be fixed by the Chairman not earlier than two weeks and not later than one month after the date of the original meeting, and if at such adjourned meeting a quorum is not present but two or more Ordinary Members entitled to vote are present the Members present entitled to vote shall be a quorum and may transact the business for which the original meeting was called.

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

46. The Chairman of the Council shall be the Chairman of every General Meeting, but if within fifteen minutes from the time appointed for holding the meeting he is not present the Members present at the meeting and entitled to vote shall choose a Member entitled to vote to act as Chairman in his place.

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

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

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

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

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

52. Nothing in these Articles shall preclude the Council from inviting any member of the teaching or administrative staff of a corporation or institution, which is an Ordinary Member or an Associate Member, to attend a General or Extraordinary Meeting of the Association, or any meeting of the Council or Committees thereof, provided

VOTES AT GENERAL MEETINGS

ACCOUNTS

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

- (b) all sales and purchases of goods by the Association ;
- (c) the assets and liabilities of the Association.

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

62. The Council shall from time to time, in accordance with Section 123 of the Act, cause to be prepared and to be laid before the Association in General Meeting such income and expenditure accounts, balance sheets and reports as are referred to in that section.

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

AUDIT

64. Auditors shall be appointed and their duties regulated in accordance with Sections 132, 133 and 134 of the Companies Act, 1929.

NOTICES

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

66. Where a notice is sent by post, service of the notice shall be deemed to be effected by properly addressing, prepaying and posting a letter containing the notice, and, unless the contrary is proved, to have been effected on the day succeeding that on which it was posted.

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

UNIVERSITIES OF GREAT BRITAIN AND IRELAND

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

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

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

UNIVERSITIES OVERSEAS

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

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

New Zealand : The University of New Zealand.

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

Malta : The University of Malta.

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

Pakistan : Dacca, Panjab, Sind.

Hong Kong : The University of Hong Kong.

Ceylon : The University of Ceylon.

THE ASSOCIATION OF UNIVERSITIES OF THE BRITISH COMMONWEALTH

MEMBERS, TOGETHER WITH THEIR REPRESENTATIVES

(as at Oct. 23, 1952)

(i) Ordinary Members

UNITED KINGDOM

<i>University</i>	<i>Representative</i>
Birmingham	H. F. Humphreys, O.B.E., M.C., T.D., D.L., M.B., Ch.B., M.D.S., F.D.S., F.S.A.
Bristol	Sir Philip Morris, C.B.E., M.A., LL.D.
Cambridge	Professor Sir Lionel Whitby, C.V.O., M.C., Chev. Lég. d'H., M.D., F.R.C.P.
Durham	C. I. C. Bosanquet, M.A., D.C.L.
Leeds	C. R. Morris, M.A., LL.D.
Liverpool	J. F. Mountford, M.A., D.Litt., Litt.D., LL.D., D.C.L.
London	D. W. Logan, B.C.L., M.A., D.Phil.
Manchester	Professor Sir John Stopford, M.D., Sc.D., D.Sc., LL.D., F.R.C.P., F.R.S.
Nottingham	B. L. Hallward, M.A.
Oxford	Sir C. M. Bowra, O. 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., LL.D., D.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	Professor T. M. Knox, M.A.
The Queen's, Belfast	E. Ashby, D.Sc., Sc.D., D.I.C., F.L.S.

CANADA

Acadia	Watson Kirkconnell, M.A., Ph.D., LL.D., D.P.Ec., F.R.A.I., F.R.Hist.S., F.R.S.C.
Alberta	A. Stewart, B.S.A., M.A., LL.D.
British Columbia	Norman A. M. MacKenzie, C.M.G., M.M., Q.C., B.A., LL.D., D.C.L., F.R.S.C.
Dalhousie	Alexander E. Kerr, B.A., D.D., LL.D.
Laval	Mgr. F. Vandry, C.M.G., D.Th., L.Ph.
McGill	F. Cyril James, Chev. Lég. d'H., B.Com., A.M., Ph.D., D.C.L., LL.D., D.Sc., D. de l'U., F.R.S.C.
McMaster	G. P. Gilmour, M.A., D.D., D.C.L., LL.D.
Manitoba	A. H. S. Gillson, O.B.E., M.A., LL.D.
Montreal	Mgr. O. Maurault, C.M.G., D.C.L.

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 . . .	Sidney 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

Adelaide . . .	A. P. Rowe, C.B.E., B.Sc.
Australian National University	Professor Sir Douglas Copland, K.B.E., C.M.G., M.A., D.Sc., Litt.D., LL.D.
Melbourne . . .	Professor G. W. Paton, M.A., B.C.L.
New South Wales University of Technology . . .	A. Denning, B.Sc., Dip.Ed.
Queensland . . .	J. D. Story, I.S.O.
Sydney . . .	Professor S. H. Roberts, M.A., Litt.D., LL.D., D.Sc. (Econ.).
Tasmania . . .	Professor T. Hytten, M.A.
Western Australia . . .	N. S. Bayliss, B.A., B.Sc., Ph.D. (Actg.).

NEW ZEALAND

New Zealand . . .	G. A. Currie, B.Sc. (Agric.), D.Sc., LL.D., Litt.D.
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SOUTH AFRICA

Cape Town . . .	T. B. Davie, B.A., M.D., LL.D., F.R.C.P.
Natal . . .	E. G. Malherbe, M.A., Ph.D., LL.D.
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

Allahabad . . .	K. L. Govil, M.A.
Andhra . . .	V. S. Krishna, B.A., Ph.D.
Annamalai . . .	R. K. Shanmukham Chetty, B.A., B.L., D.Litt.
Benaras . . .	A. N. Deva, M.A., LL.B.
Baroda . . .	Shrimati H. Mehta, B.A.
Bombay . . .	Sir N. J. Wadia, B.A.
Calcutta . . .	Hon. Justice S. N. Banerjee, M.Sc., LL.B.

Delhi	S. N. Sen, M.A., Ph.D., D.Litt.
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. Dube, B.A., LL.B.
Osmania	S. Bhagavantam, D.Sc.
Panjab (India)	Dewan A. Kumar, M.A.
Patna	K. N. Bahl, D.Sc., D.Phil., F.N.I.
Rajputana	Lt.-Col. G. S. Mahajani, M.A., Ph.D.
Roorkee	C. A. Hart, T.D., Ph.D., D.Sc. (Eng.), F.R.I.C.S.
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.
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PAKISTAN

Dacca	Lt.-Col. S. M. Hossain, M.A., D.Phil., LL.D.
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

<i>College</i>	<i>Representative</i>
University College of the South West of England, Exeter . .	Professor F. H. Newman, C.B.E., D.Sc., F.I.P. (Actg.).
University College, Hull . .	J. H. Nicholson, M.A. (Ed.).
University College, Leicester . .	C. H. Wilson, M.A.
University College of North Staffordshire	Professor F. A. Vick, C.B.E., M.Sc., Ph.D., F.I.P. (Actg.).
Canberra University College . .	Professor H. Burton, M.A.
University of Otago	R. S. Aitken, D.Phil., LL.D., D.Sc., M.D., F.R.C.P., F.R.C.P.Ed.
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 the Gold Coast	D. M. Balme, D.S.O., D.F.C., M.A.
University College, Ibadan . .	K. Mellanby, O.B.E., Sc.D., Ph.D.

Makerere College, The University College of East Africa	. Bernard de Bunsen, M.A.
University College of the West Indies	 Sir Thomas W. J. Taylor, C.B.E., M.A., D.Sc.
Imperial College of Tropical Agriculture	 H. J. Page, C.M.G., O.B.E., B.Sc., F.R.I.C.

(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.

For names of Executive Council see overleaf

ASSOCIATION OF UNIVERSITIES

THE EXECUTIVE COUNCIL (elected Oct. 23, 1952)

UNITED KINGDOM

E. ASHBY, D.Sc., Sc.D., D.I.C., F.L.S. [Belfast].
D. W. LOGAN, B.C.L., M.A., D.Phil. [London].
Sir PHILIP MORRIS, C.B.E., M.A., LL.D. [Bristol].
Professor Sir LIONEL WHITBY, C.V.O., M.C., Chev. Lég. d'H., M.D., F.R.C.P.
[Cambridge].

CANADA

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

AUSTRALIA

Professor T. HYTTEN, M.A. [Tasmania].
Professor S. H. ROBERTS, M.A., Litt.D., LL.D., D.Sc. (Econ.) [Sydney].

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

B. AHMAD, M.Sc., Ph.D. [Panjab, Lahore].

OTHER PARTS OF THE COMMONWEALTH

BERNARD DE BUNSEN, M.A. [Makerere].
Sir SYDNEY CAINE, K.C.M.G., B.Sc. [Malaya].

OFFICERS

(elected Oct. 23, 1952)

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. li-liv.

Each individual's University degrees, diplomas or certificates, and any other of his qualifications or honours included in the list on pp. li-liv 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. Similarly *diplomas* and *certificates*

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

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

<i>University</i>	<i>Abbreviation</i>
Washington (Seattle)	Wash.
Western Australia	W. Aust.
Western Ontario	W. Ont.
Wisconsin	Wis.
Witwatersrand, Johannesburg	Rand
Zürich	Zür.

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 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.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.Ar.p.	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.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
	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 Godeloordheid : Stell.] Bachelor in Theology [Baccalaureus in Godeloordheid : 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.Hy.	Bachelor of Hygiene
B.I.D.	Bachelor of Interior Design
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.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.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.Agr.	Bachelor of Science in Agriculture
	Bachelor of Science (in Agriculture) : Raj.
B.Sc. (Ag.)	Bachelor of Science in Agriculture
	Bachelor of Science (Agriculture) : Madr., Mys.
B.Sc. (Ag.E.)	Bachelor of Science in Agricultural Engineering
B.Sc.Agr.	Bachelor of Science in Agriculture [Bachelier en Sciences agricoles : Montr.]
B.Sc. (Agr.)	Bachelor of Science in Agriculture
	Bachelor of Science (Agriculture) : Nag.

B.Sc. (Agr. En- gineering)	Bachelor of Science in Agricultural Engineering
B.Sc. (Agri.)	Bachelor of Science (Agriculture)
B.Sc. Agric.	Bachelor of Science in Agriculture
	Bachelor of the Science of Agriculture : Ceyl.
B.Sc. (Agric.)	Bachelor of Science in Agriculture
	Bachelor of Science (Agriculture) : Lond.
	Bachelor of Agriculture [Baccalaureus in Landbou] : Pret.
B.Sc. (Agric. Eng.)	Bachelor of Agricultural Engineering [Baccalaureus
[B.Sc. (Agric. Ing.)]	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. En- gineering	Bachelor of Science in Chemical Engineering
B.Sc. Chem. Tech.	Bachelor of Science in Chemical Technology
B.Sc. (Chem. Tech.)	Bachelor of Science in Chemical Technology
B.Sc. (Civ. Eng.)	Bachelor of Science (Civil Engineering)
	Bachelor of Science in Civil Engineering : New Br.
B.Sc.Com.	Bachelor of Commerce [Bachelier en Sciences com- merciales] : Laval
B.Sc.Comm.	Bachelor of Commercial Science [Bachelier ès Sciences commerciales] : Montr., St. Jos.
B.Sc. (Dairying)	Bachelor of Science in Dairying
B.Sc. (Dent.)	Bachelor of Science in Dentistry
B.Sc. (Dietetics)	Bachelor of Dietetics [Baccalaureus in Diëtkunde] :
[B.Sc. (Diëet- kunde)]	Pret.
B.Sc.Dom.	Bachelor of Household Sciences [Bachelier en Sciences domestiques] : Laval
	Bachelor of Science in Domestic Science : Syd.
B.Sc. (Domesticae)	Bachelor of Domestic Science.
B.Sc. (Dom. Sc.)	Bachelor of Science (Domestic Science)
	Bachelor of Domestic Science [Baccalaureus in Huishoudkunde] : Pret.
B.Sc. (Dom. Sci.)	Bachelor of Science (Domestic Science)
B.Sc. (Econ.)	Bachelor of Science in Economics
	Bachelor of Science (Economics) : Lond.
B.Sc. (E.E.)	Bachelor in Science in Electrical Engineering
B.Sc.Eng.	Bachelor of Science in Engineering
	Bachelor of the Science of Engineering : Ceyl.
B.Sc. (Eng.)	Bachelor of Science in Engineering
	Bachelor of Science (Engineering) : Lond., Patna, Trav.
B.Sc.Eng. (Agric.)	Bachelor of Science in Agricultural Engineering

B.Sc. (Eng.) (Civil)	Bachelor of Science in Engineering (Civil)
B.Sc. (Eng.) (Elect.)	Bachelor of Science in Engineering (Electrical)
B.Sc. (Engg.)	Bachelor of Science (Engineering)
B.Sc. (Eng.) (Geol.)	Bachelor of Science in Engineering (Geological)
B.Sc. (Eng.) (Mech.)	Bachelor of Science in Engineering (Mechanical)
B.Sc. (Eng. Phys.)	Bachelor of Science in Engineering Physics
B.Sc. (Est. Man.)	Bachelor of Science (Estate Management)
B.Sc.F.	Bachelor of the Science of Forestry
	Bachelor of Science in Forestry : Melb.
B.Sc.For.	Bachelor of Science in Forestry
B.Sc. (For.)	Bachelor of Science in Forestry
B.Sc. (H. & S.S.)	Bachelor of Science (Household and Social Science)
B.Sc. (H.Ec.)	Bachelor of Science in Home Economics
	Bachelor in Science with Home Economics : Acad.
	Bachelor of Science in Household Economics : Alta.
B.Sc. (Home Sciences)	Bachelor of Sciences (Home Sciences)
B.Sc. (Hort.)	Bachelor of Science in Horticulture
	Bachelor of Science (Horticulture) : Lond.
B.Sc. (Hortic.)	Bachelor of Science in Horticulture
B.Sc.Hosp.	Bachelor of Nursing [Bachelier en Sciences hospitalières] : Laval
B.Sc. (Household Science)	Bachelor of Science (Household Science)
B.Sc. (Hyg.)	Bachelor of Science in Hygiene
B.Sc. (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.
B.Sc. (Ind. Chem.)	Bachelor of Science (Industrial Chemistry)
B.Sc. in Engineering	Bachelor of Science in Engineering
B.Sc.Inf.	Bachelor of Science in Nursing [Bachelière en Sciences infirmières] : Montr.
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. (Landmeek-kunde)]	Bachelor of Land Surveying [Baccalaureus in Landmeekkunde] : Pret.
B.Sc. (M.E.)	Bachelor of Science in Mechanical Engineering
B.Sc. (Mech.E.)	Bachelor of Science in Mechanical Engineering
B.Sc. (Mech. Eng.)	Bachelor of Science in Mechanical Engineering
B.Sc.Med.	Bachelor of Science in Medicine
B.Sc. (Med.)	Bachelor of Science in Medicine
	Bachelor of Science (Medical) : Syd., Bom.
B.Sc.Met.	Bachelor of Science in Metallurgy
B.Sc. (Metallurgical Engineering)	Bachelor of Science in Metallurgy
B.Sc. (Mil.)	Bachelor of Military Science [Baccalaureus in Krygskunde] : Pret.
B.Sc.Min.	Bachelor of Science in Mining
B.Sc. (Min.)	Bachelor of Science in Mining
B.Sc. Mining Engineering	Bachelor of Science in Mining
B.Sc.N.	Bachelor of Science in Nursing
	Bachelor of Science-nutrition [Bachelier ès Sciences-nutrition] : Montr., Ott.
B.Sc.Nursing	Bachelor of Science in Nursing
	Bachelor of Science (Nursing) : Delhi
B.Sc. (Nutrition)	Bachelor of Science (Nutrition)
B.Sc.P.	Bachelor of Fisheries [Bachelier ès Sciences (Pêcheries)] : Laval
B.Sc. (P. Ed.)	Bachelor of Science in Physical Education
B.Sc. (Pharm.)	Bachelor of Science in Pharmacy
	Bachelor of Science in Pharmaceutical Chemistry : Agra
B.Sc. (Pharmacy)	Bachelor of Science in Pharmacy
B.Sc.Phm.	Bachelor of Science in Pharmacy
B.Sc.Phys.Ed.	Bachelor of Science in Physical Education
B.Sc. (Physiotherapy)	Bachelor of Science in Physiotherapy
B.Sc.Q.S.	Bachelor of Science in Quantity Surveying
B.Sc. (Q.S.)	Bachelor of Science in Quantity Surveying
	Bachelor of Quantity Surveying [Baccalaureus in Bourekenkunde] : Pret.
B.Sc. (Soc.)	Bachelor of Science (Sociology) : Lond.
	Bachelor of Social Sciences [Bachelier en Sciences sociales] : Laval
B.Sc. S.P.	Bachelor of Social and Political Sciences [Bachelier ès Sciences sociales et politiques] : Ott.
B.Sc.Sur.	Bachelor of Science in Land Surveying

B.Sc. (Surv.)	Bachelor of Science in Surveying
B.Sc. (Survey)	Bachelor of Science (Survey)
B.Sc.T.	Bachelor of Science in Medical Technology [Bachelier ès Sciences en Technologie médicale] : Montr.
B.Sc. (T.E.)	Bachelor of Science in Textile Engineering
B.Sc.Tech.	Bachelor of Technical Science
B.Sc. (Tech.)	Bachelor of Technology
	Bachelor of Science (Technology) : Bom., Calc., Nag.
	Bachelor of Science in Technology : Annam., Madr.
B.Sc.Tech. (Glass & Ceramics)	Bachelor of Science (Technical) Glass & Ceramics
B.Sc. (Text.)	Bachelor of Science (Textiles)
	Bachelor of Science in Textiles : Panj. (I.)
B.Sc. (Vet.)	Bachelor of Science (Veterinary)
B.Sc. (Vet. Sci.)	Bachelor of Science (Veterinary Science)
B.Sc. (Vety.)	Bachelor of Veterinary Science
B.Serv.Soc.	Bachelor of Social Service [Bachelier en Service social] : Laval
B.S.F.	Bachelor of Science in Forestry
B.S.Litt.	Bachelor of Sacred Letters
B.S.N.	Bachelor of Science in Nursing
B.Soc.Sc.	Bachelor of Social Science
B.Soc.Sc. (S.W.)	Bachelor of Social Science (Social Welfare)
B.S.P.	Bachelor of Science in Pharmacy
B.S.Sc.	Bachelor of Sanitary Science
B.Surv.	Bachelor of Surveying
B.S.W.	Bachelor of Social Work
B.T.	Bachelor of Teaching
B.Tech.	Bachelor in Technology
B.Text.	Bachelor of Textiles
B.Th.	Bachelor in Theology
	Bachelor of Theology : Alig. ; Laval, Montr., Ott. [Bachelier en Théologie]
B.U.T.S.	Bachelor of Unani Tib and Surgery
B.Vet.Med.	Bachelor of Veterinary Medicine
B.V.Sc.	Bachelor of Veterinary Science [Baccalaureus in die Veeartsenykunde : Pret.]
B.V.Sc. and A.H.	Bachelor of Veterinary Science and Animal Husbandry
C.E.	Civil Engineer
Ch.B.	Bachelor of Surgery [Baccalaureus in Snykunde : Pret.]
Chem.E.	Chemical Engineer
Ch.M.	Master of Surgery
C.M.	Master of Surgery
D.Agr.Sc.	Doctor of Agricultural Science
D.Arch.	Doctor of Architecture
D.Ch.	Doctor of Surgery
D.C.L.	Doctor of Civil Law

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

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 Pu- blike Administrasie] : Pret.
D.Ps.Sc.	Doctor of Psychological Science
D.S.A.	Doctor of Agriculture [Docteur en Sciences agri- coles] : Laval
D.Sc.	Doctor of Science [Docteur ès Sciences : Laval, Montr., Ott. ; Doktor in die Wis- en Natuur- kunde : Pret. ; Doktor in die Natuurweten- skappe : 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.)	Doctor of Agricultural Engineering [Doktor in
[D.Sc. (Agric. Ing.)]	Landbou-Ingenieurswese] : Pret.
D.Sc.Com.	Doctor of Commerce [Docteur en Sciences com- merciales] : Laval Doctor of Commercial Science [Docteur en Sciences commerciales] : Montr.
D.Sc. (Econ.)	Doctor of Science (Economics) Doctor of Science in Economics : Southampton, Rand
D.Sc.Eng.	Doctor of Science (Engineering) Doctor of Science in Engineering : Syd., Rand
D.Sc. (Eng.)	Doctor of Science (Engineering)
D.Sc. in Bosbou	Doctor of Science in Forestry [Doktor in die Natuurwetenskappe in Bosbou] : Stell.
D.Sc.Eng.	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.
Litt.D.	Doctor of Letters
LL.B.	Bachelor of Laws [Baccalaureus in Regsgeleerdheid : Pret., Stell.] Bachelor of Law : Camb.; Laval & Montr. [Bachelier en Droit], Potchef., Patna
LL.D.	Doctor of Laws [Doktor in die Regsbeleerdheid : Pret., Stell.] Doctor of Law : Camb. ; Laval & Montr. [Docteur en Droit]
L.Lett.	Licentiate of Letters [Licencié ès Lettres] : Montr.
LL.L.	Licentiate of Law [Licencié en Droit] : Laval, Montr.
LL.M.	Master of Laws Master of Law : Camb., Sind
L.Mus.	Licentiate of Music [Licencié en Musique] : Laval, Montr.
L.Or.	Licentiate or Master of Orientation [Licencié en Orientation] : Laval
L.Péd.	Licentiate or Master of Education [Licencié en Pédagogie] : Laval Licentiate of Pedagogy [Licencié en Pédagogie] : Montr.
L.Ph.	Licentiate of Philosophy [Licencié en Philosophie] : Laval, Montr., Ott.
L.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 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-optométries] : Montr.
L.Sc.Pol.	Licentiate in Political Sciences [Licencié ès Sciences politiques] : Ott.
L.Th.	Licentiate or Master of Theology [Licencié en Théologie] : Laval, Montr., Ott.
M.A.	Master of Arts [Maître ès Arts : Laval, Montr., Ott., St. Jos.] Master of Arts in Fine Art : Cape T. Master of Arts and Philosophy [Magister in die Lettere en Wysbegeerte] : Pret., Stell.
M.A. (Admin.)	Master of Arts in Administration
M.A. (Arch.)	Master of Arts (Architecture)
M.A. (Bantu Languages) [M.A. Bantoeekunde]	Master of Arts in Bantu Languages [Magister in Lettere en Wysbegeerte in Bantoeekunde] : Pret.
M.A. (Com.)	Master of Arts in Commerce
M.Admin.	Master of Public Administration [Magister in Publieke Administrasie] : Pret.
M.A. (Econ.)	Master of Arts in Economics and Politics
M.A. (Ed.)	Master of Arts in Education
M.A. (F.A.)	Master of Arts in Fine Arts
M.A. Fine Arts	Master of Arts in Fine Arts
M.Ag.	Master of Agriculture
M.Agr.	Master of Agriculture
M.Agr.Sc.	Master of Agricultural Science
M.Agr.Sc. (Dairy Tech.)	Master of Agricultural Science (Dairy Technology)
M.Agr.Sc. (Hort.)	Master of Agricultural Science (Horticulture)
M.Ag.Sc.	Master of Agricultural Science
M.A. in Maatskaplike Werk	Master of Arts in Social Work [Magister in Maatskaplike Werk] : Stell.
M.A. (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.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. (S.S.)	Master of Arts in Social Science

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

M.Med.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.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.]
	Master of Sciences [Maître ès Sciences] : Laval, Ott.
	Master of Science in Applied and Industrial Chemistry : Cape T.
	Master of Science in Engineering : Cape T.
	Master of Science in Land Surveying : Cape T.
M.Sc.A.	Master of Applied Science [Maître en Sciences appliquées] : Montr.
M.Sc., Ag.	Master of Science in Agriculture
M.Sc.Ag.	Master of Science in Agriculture
M.Sc.Agr.	Master of Science in Agriculture
M.Sc. (Agr.)	Master of Science (Agriculture)
M.Sc. (Agri.)	Master of Science (Agriculture)
M.Sc.Agric.	Master of Science in Agriculture
	Master of the Science of Agriculture : Ceyl.
M.Sc. (Agric.)	Master of Science in Agriculture
	Master of Science (Agriculture) : Lond.
	Master of Agriculture [Magister in Landbou] : Pret.
M.Sc. (Agric. Eng.)	Master of Agricultural Engineering [Magister in
[M.Sc. (Agric. Ing.)]	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 Huishoud- kunde] : Pret.
M.Sc. (Econ.)	Master of Science in Economics
	Master of Science (Economics) : Lond.
M.Sc.Eng.	Master of Science in Engineering

M.Sc.Eng.	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 Huishoud- kunde	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.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.]

Ph.D.	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

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.
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.
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.
F.R.F.P.S.Glas.	Fellow of the Royal Faculty of Physicians and Surgeons of Glasgow.
F.R.Hist.S.	Fellow of the Royal Historical Society.
F.R.I.A.I.	Fellow of the Royal Institute of Architects of Ireland.
F.R.I.A.S.	Fellow of the Royal Institute of Architects of Scotland.
F.R.I.B.A.	Fellow of the Royal Institute of British Architects.
F.R.I.C.	Fellow of the Royal Institute of Chemistry.
F.R.I.C.S.	Fellow of the Royal Institution of Chartered Surveyors.
F.R.Met.S.	Fellow of the Royal Meteorological Society.
F.R.S.	Fellow of the Royal Society.
F.R.S.A.	Fellow of the Royal Society of Arts.
F.R.San.I.	Fellow of the Royal Sanitary Institute.
F.R.S.C.	Fellow of the Royal Society of Canada.
F.R.S.L.	Fellow of the Royal Society of Literature.
F.R.S.N.Z.	Fellow of the Royal Society of New Zealand.
F.R.S.S.Af.	Fellow of the Royal Society of South Africa.
F.S.A.	Fellow of the Society of Antiquaries.
F.S.A.A.	Fellow of the Society of Incorporated Accountants and Auditors.
F.S.A.L.A.	Fellow of the South African Library Association.
F.S.S.	Fellow of the Statistical Society.
F.T.C.L.	Fellow of Trinity College of Music, London.
F.T.I.	Fellow of the Textile Institute.
G.B.E.	Knight or Dame Grand Cross Order of the British Empire.
G.C.	George Cross.
G.C.B.	Knight Grand Cross of the Bath.
G.C.I.E.	Knight Grand Commander of the Indian Empire.
G.C.M.G.	Knight Grand Cross of St. Michael and St. George.
G.C.S.I.	Knight Grand Commander of the Star of India.
G.C.V.O.	Knight or Dame Grand Cross of the Royal Victorian Order.
G.M.	George Medal.
I.S.O.	Imperial Service Order.
K.B.E.	Knight Commander Order of the British Empire.

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

UNITED KINGDOM

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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 1950-51, 24.3 per cent. resided in Colleges and Halls of Residence, 39.1 per cent. in lodgings, and 36.6 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 1950-51* (H.M.S.O., 1952). Cmd. 8638.

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 the autumn of 1943 the University Grants Committee was reconstituted and additional members were appointed, and in July 1946 the Committee's terms of reference were revised to read as follows :

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

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 its office at 38 Belgrave Square, London, S.W.1 (*Telephone* : Sloane 9912), the present *Chairman* being Sir Arthur Trueman, K.B.E., D.Sc., F.R.S., and the *Secretary*, Sir Edward Hale, K.B.E., C.B.

The Committee has appointed a number of specialist Sub-Committees to assist it in considering particular spheres of academic activity as follows : Medical and Dental Education, Science, Technology, Agricultural Education, Veterinary Education, Social Sciences, Oriental and African Studies, Slavonic and East European Studies.

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, and with Government approval. 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 : Interim Report on the Years 1947 to 1951* (H.M.S.O., 1952).

In 1950-51 (the latest period for which complete returns of University income are available) recurrent Treasury grants had risen to 62.1 per cent (£15,074,678) of University income. The remainder was derived from fees of various kinds (including Ministry of Education Tuition Grants for Teachers in Training) : 16.6 per cent (£4,022,459) ; grants made by Government Departments other than the Treasury : 2.8 per cent. (£692,324) ; endowments for general and particular purposes : 5.5 per cent. (£1,329,916) ; local authority grants : 4.3 per cent. (£1,040,037) ; donations and subscriptions : 1.8 per cent. (£431,022) ; other income : 6.9 per cent. (£1,677,687). In addition, non-recurrent Treasury grants amounting to £7,227,793 were made.

In 1951-52 recurrent Treasury grants amounted to £16,604,113 and, in the same period, the estimated total amount of *direct* assistance to University institutions † from local authorities in England and Wales was £1,221,000 ; the corresponding sum (though not paid direct) for Scotland was £98,179.‡

STUDENTS

The number of full-time students in 1950-51 at Universities and University Colleges which were in receipt of Treasury grant is given by the University Grants Committee * as 85,314 including 19,483 women. This compares with 85,421 in the immediately preceding year (1949-50) and with 50,002 in the last year before the war (1938-39). Of the full-time students in 1950-51, 67,743 were reading for a first degree, 6244 were reading for a first diploma and 11,327 were engaged in research or other advanced work. There were also 16,698 part-time students (compared with 17,660 in 1949-50) of whom 4158 were engaged in research or other advanced work, 2048 were reading for a first degree,

* See footnote to p. 6.

† For assistance given by local authorities to students, see p. 9.

‡ *Fifth Report from the Select Committee on Estimates, Session 1951-52 : The Grant in Aid of Universities and Colleges* (H.M.S.O., 1952).

2112 reading for a first diploma and 8380 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 1950-51 was 22,223 of whom 20,292 were reading for a first degree and 1931 for a 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; 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 External degrees of the University of London or for the Bar, etc. 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 72.5 per cent. of the full-time students at Universities and University Colleges in 1950-51 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 examinations 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 1951-52, 26,760 students were being assisted in this way of whom 22,753 held major and 4007 minor awards, 8830 major and 1455 minor awards being taken up for the first time. The expenditure of local education authorities in 1950-51 on major awards was £1,517,000 and on minor awards £170,000. In Scotland, during 1950-51 some 4860 students were awarded, by Scottish education authorities, bursaries totalling about £430,000 to enable them to attend Universities in the United Kingdom. The amount

* See footnote to p. 6.

of each bursary is determined by deducting the contribution of the student or his parents (calculated on a fixed scale) from the cost of fees and of an allowance for maintenance during term-time and in vacations. (iii) *Ministry of Education*. The Ministry offers assistance to University students mainly in the form of State Scholarships awarded annually, of which there are four types: the *first* type is awarded on the recommendations of the bodies which conduct the examinations for the General Certificate of Education. 1850 new awards were offered in 1952 and, in all, 3274 were held in 1951-52. 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 1951, 1403 new State Scholarships were offered to holders of University awards and, in all, 3370 were held in 1951-52. 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. 120 new Technical and 25 new Mature State Scholarships were offered in 1952 and, in all, 316 and 72 respectively were held in 1951-52. 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 1952-53 include nearly £2,000,000 for State Scholarships of all types. (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 £123,000, one-half of which is devoted to (A) the improvement and expansion of the Universities of Scotland in Science, Medicine, History, Economics and Mod. Langs., and extending opportunities for postgraduate study and research; the other half to (B) assisting Scottish students in the payment of Univ. class fees. Any surplus not required for (B) in any year is to be devoted to (A). Institutions in Scotland recognized by the Trust as preparing students for graduation or as providing technical education of Univ. level are entitled to participate as regards (A) and their students as regards (B). Any surplus not required for (A) or (B) may be devoted to Univ. Extension work. Assistance in the payment of class fees is confined to persons who do not hold bursaries awarded by local Education Authorities or to those holders of Education Authority bursaries

the amount of which would seem to warrant additional aid from this Trust. Special consideration is given to applicants over 21 yrs. of age. Class fees paid for 1950-51 amounted, in all, to £7835 and Research Fellowships, Scholarships and Grants to £38,270. 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.

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

ADMISSION TO FIRST DEGREE COURSES. See Appendix I.

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.*

* **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*—Distinction between Ord. degree and degree with Hons. abolished. B.A. now 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.; Psychol. (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 Econ. Hist. 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. *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 or second class or pass.) **GENERAL HONOURS DEGREES 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 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.

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. (Arch.), London ; B.A. (Com.), Manchester ; B.A. (Econ.), Bristol, Durham, Manchester, Sheffield ; B.A. (Law), Southampton ; 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.Sc., Liverpool ; 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.), Nottingham, 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.), Nottingham, 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.

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

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 newly estabd. 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 or second 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.

* 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 Overseas Students* (Longmans, Green, 1952).

thesis on an approved subject) or in Greek and Latin Languages and Literatures. *See also* p. 12.

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 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 and Reading (London Internal Honours graduates, 1 yr.). 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, a practical examination 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.' post-

graduate 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. (Admin.), Manchester ; M.A. (Arch.), London ; M.A. (Com.), Manchester ; M.A. (Econ.), Manchester ; M.Agr., Belfast ; M.Arch., Liverpool, Wales ; M.C.D., Liverpool ; M.Com., Birmingham, Durham, Leeds, Liverpool, London, Manchester ; M.Ed., Durham, Leeds, Manchester, Nottingham ; M.Litt., Cambridge, Durham ; M.Met., Sheffield ; M.Sc. (Agric.), London, Nottingham ; M.Sc. (Econ.), London, Belfast ; M.Sc. (Est. Man.), London ; M.Sc. (Hort.), Nottingham ; M.Soc.S., 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. 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, 5 yrs.' standing from first degree.

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

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 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, 6 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 or Cambridge). 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 and Manchester), except for external degrees of the University of London, where candidates study for $4\frac{1}{2}$ yrs. (after the First Examination) at any recognized Medical School, 1 yr. of which must be spent in the United Kingdom. The Universities of Oxford and Cambridge 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. examination), 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 post-

graduate 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. of 6 months' standing; 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 Australia 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 to candidates who, subsequent to having obtained a registrable qualification, have devoted 3 yrs. (including at least one in the University) to the study of surgery and ancillary subjects.

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

Degrees in Veterinary Science are awarded by Bristol (**B.V.Sc.**), Liverpool (**B.V.Sc., M.V.Sc.** on B.V.Sc. or equivalent after 2 yrs.' further study and thesis and **D.V.Sc.** 3 yrs. after M.V.Sc. for published contributions to science), London (**B.Sc. in Veterinary Science, M.Sc.** 1 or 2 yrs. later by examination and **D.Sc.** open to Masters for original contributions to advancement of science) and Edinburgh (**B.Sc. in Veterinary Science and D.Sc.** 3 yrs. later by thesis). A degree in Veterinary Medicine (**B.Vet.Med.**) is being introduced at London. It will conform 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 they are admitted on a *testamur* as Students of Music. At Nottingham candidates at admission must show proficiency in performance on the piano or some other approved instrument. At Oxford they must obtain a First or Second Class in the Final Honour School of Music and pass the necessary B.Mus. examinations. At Sheffield they must pass the Intermediate Examination for the B.A. degree. In Wales they must attend 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 the course extends over one yr. with one examination. Honours in this degree are obtainable at Birmingham, 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 and Glasgow (5 yrs.' standing—Birmingham also 3 yrs. from M.Mus.). Cambridge, 8 yrs.' standing from first Cambridge degree, in recognition of distinction as composer. Wales, 10 yrs.' standing or 2 yrs. after M.Mus., on submission of original composition. The doctorate is conferred on graduates of approved Universities by Durham (same conditions as for graduates of the University), Manchester (2 yrs.' study at the Univer-

sity) 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 Leeds, 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. (Durham and 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. 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 nearly 80 years. At Cambridge they were known as local lectures and were initiated in 1873. Oxford and London took up the work soon afterwards, and since then the other Universities and University Colleges have followed suit. These courses number several hundreds and vary in length from 6 to 25 lectures. In 1926 the Universities Extra-mural Consultative Committee was established to consider the many aspects of extra-mural work now undertaken by the Universities, and to contribute towards the forma-

tion 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 and Wales and of some of the Universities of Scotland. An *Annual Report* is printed, which gives tabular statements of the activities of University Extra-Mural Departments.

In 1903 *The Workers' Educational Association* was founded. In 1907 relations were established with Oxford University. Since that date relations have been established with all the Universities and University Colleges, and there are joint committees composed of representatives of the University or College and the W.E.A., which promote Three-Year Tutorial Classes, Advanced Tutorial Classes, Vacation Courses, etc. The W.E.A. is recognized by the Ministry of Education as a responsible body and most of these classes and courses, together with the thousands of classes which it provides independently of the Universities, rank for grants from public funds. 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 9d.), and other publications, including a Directory of Organizations entitled : *Adult Education in the United Kingdom* (2nd edition, 1952, price 3s. 6d.).

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*: Unibur, Westcent, London; *Telephone*: Museum 4578-9), the *Secretary* of the Committee being Dr. J. F. Foster. The *Chairman* of the Committee for 1952-53 is C. 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 in the Parliament of Northern Ireland, in which the Queen's University of Belfast is represented by the following members: Mrs. Lilian I. M. Calvert, B.A.; Eileen M. Hickey, B.Sc., M.D., D.P.H., F.R.C.P.I.; S. T. Irwin, C.B.E., B.A., M.Ch., F.R.C.S.; Frederic T. Lloyd-Dodd, O.B.E., M.A., D.Sc.

ENGLAND AND WALES

[Information compiled as at 16/5/52 ;
Staff list revised on 26/9/52.]

UNIVERSITY OF BIRMINGHAM *

Founded 1900

Postal Addresses :

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

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

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. ANTHONY EDEN, M.C., D.C.L. Oxon. and
Durh., 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—H. F. HUMPHREYS, O.B.E., M.C.,
T.D., D.L., M.B., Ch.B., M.D.S., F.D.S., F.S.A.

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

Anatomy

Zuckerman, S., C.B., D.Sc. Lond.,
M.A. Oxon. and Cape T.,
M.D., F.R.S.
Sands Cox Prof. and
Director of Dept. of
Anat.

Smout, C. F. V., M.D., Ch.B. Prof.
Krohn, P. L., B.A., B.M., B.Ch.
Oxon. (Endocrinol.) Reader.

Lecturers

Brandt, W., M.D. Würzburg, Ph.D.
(Anat.).
Reagan, F. P., B.A. Indiana, Ph.D.
Prin. (Anat.).
Thomson, A. P. D., M.B.E., B.Sc.,
M.B., Ch.B. Glas. (Anat.).

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

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

Green, S. H., M.B., Ch.B. (Anat.).
Darlington, D., M.B., Ch.B. (Anat.).
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. (Endo-
crine Chem.).

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

5 Temp. Asst. Lectrs.

Ancient History and Archæology

Tritsch, F. J., Ph.D. Heidel.,
M.A. Reader.

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

Art (Fine Arts)

Waterhouse, E. K., M.B.E., M.A.
Oxon., A.M. Prin.

Barber Prof.

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

Bio-Chemistry, v. Physiol.

Botany

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

Lecturers

Rees, W. J., 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. (Taxon.).

Hawkes, J. G., Ph.D. Camb.

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. (Org. Chem.).
Carter, S. R., D.Sc. (Phys.

Chem.).

Pinkard, F. W., M.Sc. Wales
(Inorg. Chem.).

Gilbert, G. A., M.A., Ph.D. Camb.
(High Polymers and Elasto-
mers).

Belcher, R., B.Sc., 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., B.A., D.Phil.
Oxon.

Peaker, F. W., Ph.D. Leeds.

Randles, J. E. B., M.A. Camb.,
B.Sc. Lond.

Sheridan, J., M.A., D.Phil. Oxon.

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 Fellow

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

Bengough, W. I., Ph.D. Camb.

Honorary Research Fellow

Bircumshaw, L. L., M.A. Camb.,
D.Sc. Lond.

Classics

Thomson, J. Oliver, O.B.E., M.A.
Birm. and Aberd., B.A. Camb.

(Lat.) Prof.

Thomson, G., M.A. Birm. and
Camb. (Gk.) Prof.

Lecturers

Willetts, R. F., M.A. (Gk.).

Malcolm, D. A., M.A. Oxon. and
Glas. (Lat.).

- Hooker, G. T. W., M.C., M.A.
Lond. (Gk. and Lat.).
- Hooker, Edna M., M.A. Lond. (Gk.
and Lat.).
- Papayannopoulou, Katerina, Di-
plomatouchos Athens
(Colloquial Gk.) Asst.
Commerce, v. also Acc., Econ.,
Econ. Hist.
- Florence, P. Sargent, 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.).
- 3 Research Fellows
- Commercial Law*
- Goitein, H., LL.D. Lond., M.Com.
Prof.
- Dentistry*
- Osborne, J., Ph.D. Sheff., M.D.S.,
F.D.S.
(D. Prosthetics) Prof.,
Dir. of Dental Studies
..... (D. Surg.) Prof.
- Manley, E. B., M.Sc. Manc.,
B.D.S., F.D.S.
(D. Pathol.) Prof.
- Lecturers
- Tavener, R. W. H., B.D.S.
(Operative D. Surg.).
- Hardwick, J. L., Ph.D., M.D.S.
(Operative D. Surg.).
- Smith, R. J., B.D.S.
(Operative D. Surg.).
- Fox, E. C., M.D. Vienna
(Operative D. Surg.).
- Kirby, J., F.D.S.
(Operative D. Surg.).
- Brady, C. L., B.D.S.
Pt.-time (Operative D.
Surg.).
- Wright, T. J., B.D.S.
Pt.-time (Operative D.
Surg.)
- Heighway, H. E., 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.).
-
- Hoggins, Mrs. Mary I., L.D.S.
Pt.-time (Operative D.
Surg.).
- Wells, D. B., L.D.S.
Pt.-time (Operative D.
Surg.).
- Day, A. J. W., B.D.S., H.D.D.
Edin. Pt.-time (Orthod.).
- Davis, Muriel E. H., L.D.S.
(Orthod.).
- Graty, T. C., B.D.S.
(D. Prosthetics).
- Lammie, G. A., B.Sc. Edin., Ph.D.,
H.D.D. (D. Prosthetics).
- Roper-Hall, H. T., M.B., Ch.B.,
M.D.S., F.D.S.
Pt.-time (D. Admin. and
Practice).
- Baines, G. H., M.A., M.B., B.Chir.
Camb., F.R.C.S.
Pt.-time (Surg. for D.
Students).
- Reagan, F. P., B.A. Indiana, Ph.D.
Prin.
(Anat. for D. Students).
- Whitfield, I. C., Ph.D., B.Sc.
Lond. (Phys. for D. Students).
- Marsland, E. A., Ph.D., B.D.S.
(D. Anat. and Histol.).
- Wood, Helen M., B.Sc., M.B.,
Ch.B., D.A.
Pt.-time (General Anæ-
sthetics for D. Students).
- James, W. Warwick, O.B.E.,
M.Ch., F.R.C.S., F.D.S.
Hon. Res. Fellow and
Hon. Member of Staff.

Clinical Lecturers at Dental
Hospitals (Pt.-time)

Day, A. J. W., B.D.S., H.D.D.
Edin.

Bowen, G. H., B.D.S.

Taylor, R. C., L.D.S.

Meacock, S. P., L.D.S.

Stammers, A. F., M.D.S.

Clendinnen, A. G., L.D.S.

Knight, J. S., B.D.S., H.D.D.

Meek, H. M., L.D.S. (Radiol.).

4 Pt.-time Clinical Demrs. in D.
Surg.

Economic History, v. also Hist.

Court, W. H. B., M.A. Camb. and
Harv., M.Com. Prof.

Wightman, D. R., B.Sc. (Econ.)
Lond. Lectr.

Eversley, D. E. C., B.Sc. (Econ.)
Lond. Lectr.

Economics

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

Hahn, F. H., B.Sc. (Econ.), Ph.D.
Lond. (Econ.) Lectr.

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

Hahn, Mrs. Dorothy, B.Sc. (Econ.)
Lond. (Econ.) Temp. Lectr.

Mackintosh, A. S., B.A. Camb.
(Econ.) Asst. 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.

Barker, G. R., M.A. Camb., M.Com.
Res. Fellow.

Education

Jeffreys, M. V. C., M.A. Oxon.
and Birm.

Prof. and Dir. of Univ.
Inst. of Educn.

Peel, E. 'A., B.Sc. Leeds, M.A.,
Ph.D. Lond.

Prof. and Hd. of Educn.
Dept.

Sparrow, W. J., B.Sc., M.A.

Deputy to Hd. of Dept.
for Postgrad. Train-
ing.

Barnett, Nora M., B.A. Lond.

Deputy to Hd. of Dept.
for Further Training.

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

Reader.

Lecturers

Austin, Frances M., B.Sc. Belf.,
M.Sc., F.B.Ps.S.

Brearley, Margaret, B.A.

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

Cheetham, Grace, B.Sc. Wales.

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

Ewing, Nancy R., M.A. Edin.

Flood, W. E., M.A. Camb., Ph.D.

Goodborn, E. Joyce.

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

Hobling, Margaret B., M.A. Oxon.

Honeybone, H. C., B.A. Lond.

James, B. C. L., M.A. Oxon.

Jull, Estelle N., B.A. Oxon., M.Ed.
Durh.

Law, Elizabeth, B.A. Manc.

Oliver, J. N., B.Sc. Sheff.

Payne, Ethel R., M.Sc. Wales.

Pearson, Nina, B.Mus.

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

Storer, W. O., B.A. Camb.

Thorburn, A., M.A. Edin.

Tubbs, A. E., B.Sc. (Econ.) Lond.

Engineering, Chemical

Garner, F. H., O.B.E., Ph.D.
Pitts., M.Sc., F.R.I.C.

Prof. and Director of
Dept.

Morton, F., D.Sc., Ph.D. Manc.,
M.Sc. (Tech.), F.R.I.C. Prof.

Lecturers

Ellis, S. R. M., M.Sc. N.Z., Ph.D.

Long, R., Ph.D. Leeds.

Nutt, C. W., Ph.D. Brist.
 Bransom, S. H., Ph.D. Brist.
 Husband, W. H., B.Sc. Manc.
 Charles, E. J., B.Sc.
 Crooks, W. M., B.Sc.
 Freshwater, D. C., B.Sc.
 Ross, T. K., M.Sc. Lond.
 Shearn, R. B., B.Sc.

Engineering, Civil

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

Lecturers

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

Engineering, Electrical

Tustin, A., M.Sc. Durh. and Birm.
 Prof.

Bell, D. A., M.A., B.Sc. Oxon.
 (Electromag.) Reader.

Lecturers

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

Engineering, Mechanical

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

Chance Prof. and Hd. of
 Dept.

Bannister, F. K., B.Sc. Lond. and
 Leeds, Ph.D. (Thermodyn.)
 Prof.

Lecturers

Sandifer, D. A. N., B.Sc. Lond.,
 M.Sc., D.I.C.
 Linning, W. A., B.Sc. Glas.
 Nuttall, H., B.Sc. Manc., Ph.D.
 Cole, B. N., B.Sc. Lond., Ph.D.
 Carnegie, W., B.Sc. Durh.
 Raily, J. W., M.Sc. Lond.
 Mills, B., B.Sc.
 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
 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.

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 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.

Scales, D. P., B.A. Syd.

Hilton, Mrs. Margaret, B.A. Oxon.

Temp. Asst. Lectr.

Screech, M. A., B.A. Lond.

Asst. Lectr.

Assts. in Colloquial French

Knowles, Mme Jane.

Argelliez, Simone.

Corbière, Jacqueline.

Johnson, Mme Madeleine.

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
 (Cytol.) Lectr.

Geography

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

Lecturers

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

Saward, Beatrice, B.Sc. R'dg.

Warwick, G. T., M.B.E., B.Sc.
 Brist.

Johnson, B. L. C., B.A. Lond.,
 M.A.

Butland, G. J., B.A., Ph.D.

Stedman, M. B., M.A. Camb.

Jones, I. E., B.A. Wales

Asst. Lectr.

Geology and Mineralogy

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

Lecturers

Hardie, W. G., B.Sc. Lond., F.G.S.

Lacy, E. D., B.Sc. Lond., F.G.S.

Marchant, S., B.A. Camb., F.G.S.

Garrett, P. A., B.Sc., F.G.S.

Griffiths, D. H., B.Sc. Manc.,
 F.G.S. (Geophys.).

Strachan, I., B.Sc. Edin., Ph.D.
 Camb., F.G.S.

University Research Fellow

Lawson, J. D., B.Sc. Manc., F.G.S.

German

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

Lecturers

Thomas, R. H., M.A. Camb.

Horn, J., Ph.D. Vienna.

Lockwood, W. B., B.A. Manc.,
 M.A. Brist.

Prawer, S. S., M.A. Camb.

Coghlan, B. L. D., B.A.

Temp. Asst. Lectr.

History, v. also Econ. Hist.

Hawgood, J. A., M.A., D.Lit.
 Lond., Ph.D. Heidel., M.Com.

(Mod. Hist. and Govt.) Prof.

Cronne, H. A., M.A. Oxon. and
 Birm.

(Med. H.) Dean Fac. of
 Arts, & Prof.

Styles, P., M.A. Oxon.

(Engl. H.) Reader.

Lecturers

Templeman, G., M.A. Lond., B.A.

Archer, Margaret, M.A. Liv.,
 B.Litt. Oxon.

Ransome, Mary, M.A. Camb.

Hilton, R. H., D.Phil. Oxon.

Hardy, S. M., M.A. Camb., Ph.D.
 Lond.

Ferns, H. S., B.A. Manit., M.A.,
 Ph.D. Camb. (Mod. H. &
 Govt.).

Maddick, H., M.A. Oxon. (Pub. Admin.).

Wightman, D. R., B.Sc. (Econ.) Lond. (Econ. H.).

Eversley, D. E. C., B.Sc. (Econ.) Lond. (Econ. H.).

Johnson, D. W. J., B.Litt. Oxon.

Lockie, D. McN., M.A. Oxon.

Italian

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

Rees, D. G., M.A. Oxon. Lectr.

Jurisprudence, v. Law

Law

Phillips, O. H., M.A., B.C.L. Oxon., M.A., LL.B. Dub., LL.M.

(Jurisprud.) Dean and Dir. of Legal Studies, Barber Prof.

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

Grove, G. A., LL.M. (Conveyancing & Equity) Prof.

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

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

Lecturers

Parker, C. F., M.A., LL.B. Camb. (Common L.).

Bate, S. H., LL.B.

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

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

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

Linguistics

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

Malting and Brewing and Applied Biochemistry

Hopkins, R. H., D.Sc., F.R.I.C.

Adrian Brown Prof.

Norris, F. W., Ph.D. Lond., D.Sc., F.R.I.C. Sr. Lectr.

Lecturers

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

Rainbow, C., Ph.D.

Kulka, D., Ph.D. Vienna.

Mathematical Physics

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

Lecturers

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

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

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

Brown, G. E., B.Sc. Wis., Ph.D. Yale Res. Fellow.

Woodward, J. B., B.Sc. Asst. Lectr.

Mathematics, Pure

Rankin, R. A., M.A., Ph.D. Camb. Mason Prof.

Lecturers

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

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

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

Mulholland, H. R., 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

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

Dir. of the Combined Depts. of Physical, Theoret. and Industr. Metall.

Metallurgy, Industrial

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

Lecturers

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

Kondic, V., Ph.D., B.Sc.
 Ball, C. S., B.Met., Ph.D. Sheff.
 Wilson, D. V., M.A. Camb., Ph.D.
 Sheff.

Research Fellows

Cockcroft, M. G., M.Sc. Manc.
 (Indust. Metall.).
 Pick, J. J., B.Eng. Met. Liv.
 Aitchison, L., D.Met. Sheff., B.Sc.
 Lond., F.R.I.C., F.R.Ae.S.
 Hon. Res. Fellow.

Metallurgy, Physical and Theoretical

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

Lecturers

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

Research Fellows (Theoretical Metall.)

Broom, T., B.A. Camb.
 Harding, A. R., Ph.D., B.Sc.
 Williamson, G. K., Ph.D., B.Sc.

I.C.I. Research Fellow

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

Mineralogy, v. Geology

Mining (Coal and Metal)

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

Lecturers

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

Cheetham, W. R., B.Sc.

..... (Coal M.).
 (Coal M.).
 (Coal Treatment).
 (Metal. M.).

Burrows, B. B. B., M.Sc.
 (Mine Surveying and M.).

Research Fellow

..... (Coal Treatment).

Music

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

Lecturers

Pearson, Nina, B.Mus.
 Cranmer, P., M.A., B.Mus. Oxon.,
 F.R.C.O.
 Wishart, P. C. A., B.Mus.

Philosophy, Mental and Moral

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

Lecturers

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

Physical Education

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

Lecturers

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

Assistant Lecturers

Sanders, Beryl D.
 Roberts, Christine D.
 Slater, W. J.

Physics

Moon, P. B., M.A., Ph.D. Camb.,
 M.Sc., F.R.S.
 Poynting Prof. and Hd.
 of Dept.

Burcham, W. E., M.A., Ph.D.
Camb.

(Phys.) Oliver Lodge
Prof.

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

(Electron Phys.) Prof.

Johnson, M. C., M.A. Camb., D.Sc.,
F.R.A.S.

(Astrophys.) Reader.

Lecturers

Ibbs, T. L., D.Sc., F.I.P.

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

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

Knight, R. H., M.Sc.

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

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

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

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

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

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

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

Nuffield Research Fellow

Greenlees, G. W., M.A., Ph.D.
Camb.*

I.C.I. Research Fellows

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

Chackett, K. F., B.Sc., Ph.D.

Assistant Lecturers

Walters, Madeline C., B.Sc., Ph.D.

Barrett, P. T., B.A. Camb., B.Sc.
Lond., 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

Beznak, A. B. L., M.D. Budapest
(Physiol.).

Meyerstein, W., M.D. Munich
(Physiol.).

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

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

.....

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

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

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

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

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

Bray, H. G., Ph.D., B.Sc. (Bio-
Chem.).

James, Sybil P., Ph.D., B.Sc.
(Bio-Chem.).

White, K., B.Sc., Ph.D. (Bio-
Chem.) Asst. Lectr.

Thomas, G., M.Sc. Manc., F.R.I.C.
(Clin. Bio-Chem.)

Hon. Pt.-time Lectr.

Armitage, G. H., M.B., Ch.B.
Edin. (App. Physiol.)

Pt.-time Tutor.

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

Russian Language and Literature

Kiparsky, V. Prof.

Arian, Inna, D.Phil. Prague Lectr.

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

Asst. Lectr.

Social Science and Sociology

Madge, C., M.A. Prof.

.....(Sociol.)

Lectr.

Reid, Sylvia, M.D. Dub. (Soc. Psychol.) Pt.-time Lectr.
 Rich, Doris J., B.Sc. (Econ.) Lond., Ph.D. Res. Fellow.

Social Study

Madge, C., M.A. 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.

Theology

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

Recognized Lecturers

Anderson, Rev. G. W., M.A. St. And. and Camb.
 Cobham, Rev. J. O., M.A. Camb.
 Curtis, Rev. A. H., M.A., B.D. Edin.
 Davis, Very Rev. H. F., M.A. Oxon., D.D. Freiburg.
 Foster, Rev. R. J., S.T.L., L.S.S. Rome.
 Herbert, Rev. A. S., M.A. Oxon., B.D. Lond.

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

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

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

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

Zoology and Comp. Anatomy

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.

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

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

University Clinical Lecturers (Pt.-time)

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.

Galbraith, Margaret L. A., 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.

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

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

Bacteriology

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

Lecturers

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

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

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

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

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

Baines, S., B.Sc. Leeds.

Peeney, A. L. P.

Hon. Pt.-time Lectr.

Grace, Joyce B., B.Sc.

Asst. Lectr.

Palmer, F. P.

Demr.

Dental Surgery

Univ. Clinical Lecturers (Pt.-
time)

Walker, R., F.D.S.R.C.S.

Pusey, R. F., B.D.S.

Ear, Nose and Throat, Diseases of
Moffett, A. J., M.B., Ch.B.,
F.R.C.S.

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

Univ. Clinical Lecturers (Pt.-
time)

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.

Taylor, W., B.Sc. (Econ.) Lond.
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.

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.
Pt.-time Reader & Clin.
Lectr.

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

Whitfield, A. G. W., M.D., Ch.B.
Lectr. and Clin. Lectr.
(Pt.-time).

Tate, B. C., M.B.E., M.A., M.D.
Camb., F.R.C.P. (Dermatol.)
Lectr. and Clin. Lectr.
(Pt.-time).

Univ. Clin. Lectrs. (Pt.-time)

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

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

Brenner, O., M.D., F.R.C.P.

Bulmer, E., C.B.E., M.D. Edin.,
F.R.C.P., F.R.C.P.Ed.

Cloake, Prof. P. C. P., B.Sc., M.D.
Lond. and Birm., D.P.M.,
D.P.H. Camb., F.R.C.P.

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.B., Ch.B.,
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.

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.

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

(Neurosurg.) Prof.

Elkes, J. J., M.D., M.B., Ch.B.

(Exper. Psychiat.) Prof.

Hall, G. S., M.D., F.R.C.P. (Neurol.)
Lectr. and Clin. Lectr.
(Pt.-time).

Jefferson, J. M., M.A., B.Sc., B.M.,
B.Ch. Oxon. (Neurol.)

Lectr. and First Asst.

O'Reilly, J. J., M.B., B.Ch. Belf.,
D.P.M. Lond. (Psychiat.)

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

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

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

Univ. Clinical Lecturers (Pt.-
time)

Small, J. M., M.B., Ch.B., F.R.C.S.
(Neurosurg.).

Hall, G. S., M.D., F.R.C.P.
(Neurol.).

Sim, M., M.D., D.P.M. (Psychiat.).

Tibbetts, R. W., M.A., B.M.,
B.Ch. Oxon., D.P.M. (Psy-
chiat.).

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

O'Reilly, J. J., M.B., B.Ch. Belf.,
D.P.M. Lond. (Psychol. Med.).

Obstetrics and Gynaecology

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. Lectr.

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

Davidson, S., A.F.C., M.B.,
Ch.B. Edin., F.R.C.S.Ed.,
F.R.C.O.G.
Lectr. and Clin. Lectr.
(Pt.-time).

Univ. Clinical Lecturers (Pt.-
time)

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.Ch.
Camb., F.R.C.S., D.M.R.E.

Dougray, T., M.B., Ch.B. Glas.

Ganner, P. J., B.S. Lond., F.R.C.S.

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

Univ. Clinical Lecturers (Pt.-
time)

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

Alabaster, E. B., F.R.C.S., D.O.
Oxon.

Butler, R. D. W., B.A. Camb.,
D.O.M.S.

.....

Evans, P. J., M.A., B.Ch., M.D.
Camb., F.R.C.S., D.O.M.S.

Pædiatrics and Child Health

Smellie, J. M., O.B.E., T.D., M.D.
Edin. and Birm., F.R.C.P.

Prof.
Mackintosh, Jean M., M.D. Glas.,
D.P.H. Glas. and Ed., D.P.A.
Lond. Pt.-time Reader.

Gerrard, J. W., B.A., B.M., B.Ch.,
D.M. Oxon. First Asst.

Wolff, O. H., B.A., M.B., Ch.B.
Camb. Lectr.

Crosse, V. Mary, O.B.E., M.D.
Lond., D.P.H.

Pt.-time Lectr.

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

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

Earl, C. J. C., F.R.C.P.I., D.P.M.
(Mental Deficiency)

Pt.-time Lectr.

Burns, C. I. C., D.P.M. (Child
Guidance) Pt.-time Lectr.

Cohen, H. M., M.D., D.P.H.
(School Health) Pt.-time
Lectr.

Univ. Clinical Lecturers (Pt.-
time)

Braid, Frances, M.D. St. And.,
F.R.C.P.

Cant, W. H. P., M.D. Lond.

Jones, H. W. E., O.B.E., M.B.,
B.S. Lond.

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

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

Pathological Studies

Squire, J. R., M.A. Camb., M.D.
Camb. and Birm., F.R.C.P.

(Experimental Pathol.)
Leith Prof. and Dir.
of Div. of Path. Studies.

Orr, J. W., B.Sc., M.D., D.P.H.
Belf., M.D., F.R.C.P. (Path.)

Prof. and Dir. of Cancer
Res.

Gell, P. G. H., B.A., M.B., B.Chir.
Camb. (Exper. Pathol.)

Reader.

Symmers, W. St. C., M.D., B.Ch.
Belf. (Pathol.) Sr. Lectr.

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

Lecturers

Walton, K., M.D. Lond. (Exper.
Pathol.).

Brewer, D. B., M.D., B.S. Lond.
(Exper. Pathol.).

Stafford, J. L., M.B., Ch.B.
(Pathol.).

Jackson, J. G., M.B., Ch.B.
(Pathol.).

Smith, W. T., M.B., Ch.B. (Pathol.).

Davis, B. T., M.B., Ch.B. (Pathol.).

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

Reader in Chem. Path.
(Cancer Res.).

Univ. Clinical Lecturers (Pt.- time)

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

Peeney, A. L. P.

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

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

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

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

Pharmacology and Therapeutics

Frazer, A. C., M.B., B.S., Ph.D.,
D.Sc. Lond., M.D., F.R.C.P.

(Pharm.) Prof.

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

(Therapeutics) Prof.

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.

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

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

3 Pt.-time Demrs. (Pharm.).

Radiology

Black, H., M.D., D.P.H. Belf.,
F.R.C.P., F.F.R.

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

Univ. Clinical Lecturers (Pt.-
time)

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

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

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

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

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

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

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

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

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

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

Social Medicine

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

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.

Record, R. G., M.D., Ch.B., D.P.H.
(Soc. M.) 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., 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.B., B.S. Lond.,
F.R.C.S. Lectr.

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

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

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

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

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

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

Univ. Clinical Lecturers (Pt.-
time)

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.

Innes, A., M.B.E., M.A., B.Chir.
Camb., F.R.C.S.

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

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

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

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

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

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

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**

1952-53—Prof. I. A. Richmond,
M.A. Oxon., LL.D. Edin.,
F.B.A., F.S.A.

Huxley Lecturer

1952—(Not given).

Ingleby Lecturer

1952—Sir James C. Spence, M.C.,
D.Sc. W.A., M.D., B.S. Durh.,
F.R.C.P.

Sir Josiah Mason Lecturer

1951-52—Prof. A. R. Radcliffe-
Brown, M.A. Camb.

1952-53—Prof. W. J. H. Sprott,
M.A.

Muirhead Lecturer

1952—Prof. M. J. Oakeshott, M.A.
Camb. and Oxon.

Poynting Lecturer

1952—Prof. Sir George P. Thom-
son, M.A. Camb., D.Sc. Lis-
bon, LL.D. Aberd., Sc.D.
Dub., F.R.S.

William Withering Lecturer

1952—Prof. B. Ephrussi—
Subject—*Nucleus and Cyto-
plasm in the Genetics of Micro-
organisms.*

Institute of Education

Jeffreys, M. V. C., 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., M.A. Oxon.

Staff Officer.

McGuffie, T. H., M.A. Lond.

Area Officer.

Saunders, W. L., B.A. Camb.

Librarian.

Research Department

Peel, E. A., B.Sc. Leeds, Ph.D., M.A. Lond.

Prof. of Educn., Hd. of Dept. and of Remedial Educn. Centre.

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

Reader in Educn. and Deputy-Hd. of 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

Collins, J. E., B.A. Melb.

Lunger, E. A., B.A. Oxon.

Department of Extra-Mural Studies

Dudley, D. R., M.A.

Dir. of Extra - Mural Studies and Sec. of Bd. of Adult Educn.

Clark, R. T. Rundle, M.A.

Sr. Staff Tutor.

22 other full-time Tutors.

ADMINISTRATIVE AND OTHER STAFF

REGISTRAR'S DEPT. Asst. Registrars : R. J. Goode, M.A., LL.B. Camb., Jessie Brake, M.Com., J. Hodgkinson, M.A. Oxon., 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-Librarian : H. B. Evans, M.A. Asst. Librarians : H. A. Howes, B.A., J. H. Keegan, P. Morgan, B.A., Margaret P. Russell, M.A. Edin.

MEDICAL OFFICERS. R. H. Bolton, B.A., B.M., B.Ch. Oxon. ; J. C. Bowie, M.B., Ch.B. Aberd., Asst. Med. Officer. 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, B.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 : J. F. Peter, M.A. Oxon.

INST. OF EDUCATION. Warden Tutor : Nora M. Barnett, B.A. Lond. Staff Officer : W. A. C. Berry, M.A. Oxon. Area Officer : T. H. McGuffie, M.A. Lond. Librarian : W. L. Saunders, B.A. Camb.

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

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

GUILD OF UNDERGRADUATES. Warden : Alderman J. C. Burman, J.P. (1951-52). Pres. : L. N. Bevan (1951-52) ; Permanent Sec. : R. T. Jones.

WARDENS OF HALLS OF RESIDENCE. Women Students : Mrs. Amy T. Marwick, M.A., Ph.D. (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 : Major P. R. Burton, M.C.

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

AFFILIATED INSTITUTION

THE CITY OF BIRMINGHAM COMMERCIAL COLLEGE, Suffolk Street, Birmingham, 1. (*Telephone*: Mid. 6521.) Principal—A. M. B. Rule, M.B.E., M.A., LL.B. Students may attend classes in the College and pass the exams, prescribed for the degree of B.Com. at the end of the 1st Yr.'s Courses without attendance at the Univ. Full-time attendance at Univ. Classes is required during the subsequent two sessions leading to the completion of the requirements for the Degree.

GENERAL INFORMATION

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. 49) 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 (1950-51). Endowment, £54,622 ; Grants from Local Authorities, £48,700 ; Parliamentary Grants, £800,647 ; Students' fees, £148,881 ; Contributions for Services of Staff, etc., £66,060 ; Other Income, £1691 ; Total, £1,120,601.

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 400,000 vols. *Special Collections* : A large collection of Scientific, Medical and other Periodicals : Books on Neoplatonism, Ruskin, Grillparzer, Plautus and Terence, John Humphreys (Hist. and Local Archæol.), J. H. Poynting (Early Works on Phys.), James Ward (Philos.), J. H. Muirhead (Philos.), Sir Oliver Lodge (Phys., Theol., etc.), Hensleigh Wedgwood

(Philol.). Sargent, rich in French econ. lit. of *circa* 1830-60; Jesse Collings, some 350 books on agric. and land problems; Bunce, rich in 19th-century biog.; Corbett, Holliday, Art and Archæol.; large collection of musical works. 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; Bio-Chem.; 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. Bio-Chem.; in Metall.—Phys. and Theoret. and Ind.; in Mining—Coal and Metal); M.Sc., D.Sc.; M.B., Ch.B., B.D.S., M.D., Ch.M., M.D.S.; B.Com., also B.Com. (Soc. Study); B.Com. (Economics, Politics and Sociology); B.Com. (Geography); B.Com. with Specialization in Russian Studies, B.Com. for Qualified Science Students, M.Com., 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., Geol. with Geog., combined course in Anat. and Physiol. In Applied Science the B.Sc. courses (Pass and Honours) in Engin. (Mech., Civil, Elect. and Chemical), in Mining and in Metall. and the Hons. Course in Appl. Bio-Chem. 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. after the corresponding Bachelor's degree; 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.).

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.), £105 : 3s.—£132 : 3s. ; B.Sc. Appl. Sci. (Engin., Metall., Mining, Chem. Engin.), £235 : 4s. ; Appl. Bio-Chem., £167 : 4s. ; M.B., Ch.B., £279 : 9s. ; B.D.S., £342 : 14s. ; B.Com., £124 : 13s. ; B.Com. (Soc. Study), £109 : 3s. ; B.Com. for qualified Science Students, £153 : 4s. ; LL.B., £57 : 3s. For Diplomas and Certificates—Diploma in Engin. Production and Management Principles, £71 : 1s. ; Diploma in Graduate Studies, £71 : 1s. ; Diploma in Public Health, including Certif., £68 : 5s., excluding Certif., £46 : 11s. ; Certif. in Public Health, £26 : 19s. ; Certif. in Educn., 1-yr. course, £44 : 1s. ; Diploma in Psychol. of Childhood, £44 : 1s. ; Postgraduate Diploma in Educational Psychol., £56 : 1s. ; Diploma in Education, £36 : 1s. ; Diploma in Theol., £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. ; Graduates Commerce Diploma, £35 : 1s. ; Diploma in Public Administration, £35 : 1s. ; Social Study Diploma (Separate Class Fees) ; Social Study Certificate, £31 : 1s. ; Child Service Certificate, £51 : 1s. ; Laboratory Research Fees—these vary according to subjects taken.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs. : see Appendix II.

RESIDENCE. (For Wardens see "Administrative and other Staff," p. 44.) 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 £2 : 17 : 6 to 3 gs. 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 £2 : 12 : 6 to £3 : 10s. per wk., plus small extras.

APPOINTMENTS BOARD. (For Officers see "Administrative and other Staff," p. 43.) 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.

1951. 138 permanent appointments, including : Government and quasi-Govt. service, 14 ; Scientists in industry, 64 ; Non-Scientists in industry, 53 ; Teaching, 5 ; Miscellaneous, 2.

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

UNIVERSITY OF BIRMINGHAM UNIVERSITY TRAINING CORPS (T.A.). The U.T.C. is part of the Territorial Army, and cadets may join for various periods of service which are flexible to enable them to undertake training without interfering with their Univ. degree course. The contingent comprises the following Sub-Units : Infantry, Royal Engineers, Royal Electrical and Mechanical Engineers. Syllabus of training, laid down by War Office, designed

* 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.

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 training during their Univ. careers for students of the University who are eligible for membership and wish to prepare themselves for commissioned service in regular or non-regular Air Forces. Certain classes of undergraduates are accepted for service in the G.D. Branch or the Technical Branch of the R.A.F. or its Reserves. Further information from the C.O., 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 Physical Education Dept., Edgbaston, Birmingham, where ophthalmic treatment under the National Health Scheme is also available. Five beds are maintained for the care of minor illness at 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. 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.

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 occupaions.

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 Shakespearean studies and in related subjects—the Elizabethan age, drama and theatre. *See also* pp. 32-33.

INSTITUTE OF EDUCATION (*see also* p. 43). 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. The Inst.'s

headquarters are at Institute House, 50 Wellington Road, Edgbaston, Birmingham, 15. (*Telephone*: Calthorpe 2332.)

PUBLICATIONS. (a) Annual.—*Calendar* (Oct.), 5s., plus 6d. postage; Faculty and Departmental Syllabuses and pamphlets (Summer 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 1950–51

SUBSTANTIAL BENEFACTIONS. (Financial yr. ending July 31, 1951): Scribbans-Kemp Ltd., £5000, for Shakespeare Inst.; for Scholp. purposes—(a) I.C.I. Ltd., £4800*, (b) Estate of Mrs. M. I. Barwell, £477; Tube Investments Ltd., £1500*, for Fellowship; Nuffield Prov. Hospls. Trust, £1500*, for Chair of Soc. Med.; Sir Peter F. Bennett, £1430*, for Student's Maintenance (Dept. of Engin. Production); Anonymous, £1030, for prize; Estate of Sir W. Waters Butler, £1013, for Brewing res.; Simon Carves Ltd., £429*, for Scholp. and Coal Treatment Lab.; Rationalist Press Assocn., £300*, for Commerce res.; Lewis's Ltd., £250*, for general purposes; English Electric Co., Ltd., £250, for Dept. of Electron Phys. Contributions and promises to the Developments Appeal Fund, launched in 1944, amount to date to £1,107,009.

NEW BUILDINGS. Shakespeare Inst. opened at Stratford-upon-Avon; work commenced on bldg. of a "Clarincrete" structure as temp. addl. accomm. for Dept. of Physical Educn.; plans being prepared for new Med. Sch. Library and Lecture Theatre; work begun on temp. accomm. for teaching Depts. of Med., Surg. and Gynæcol. on Q. Elizabeth Hospl. site; work on stage II of Mech. and Electr. Engin. Labs. project continued; extension to Students' Union completed and formally opened.

NEW DEPARTMENTS AND POSTS. Chair of Exper. Psychiatry; Chair of Linguistics; Assoc. Professorship in Spanish; Readership in Thermodyn. and Educn.; Lectureships in Mech. Engin. (1), Indust. Relns. (1), Metall. (1), Pathol. (1), Pharmacol. (1), Pædiatrics (1); Law (2); Res. Fellowships and Associateships in Phys. (3), Comm. (4), Shakespeare Inst. (4); Asst. Lecture-

* Instalment under Deed of Covenant.

ships in Maths. (1), Phys. (1), Zool. (1), Hist. (1), Philos. (1), English (1), Physical Educn. (2), Soc. Study (1).

PRINCIPAL CHANGES IN REGULATIONS. Degree of Doctor of Divinity (D.D.) estbld. in Fac. of Arts; tuition and examn. fees for degree of Ph.D. increased; Univ. Coll. of N. Staffs. recognized as affiliated institution for purpose of Ph.D. degree regulns. for period 1952-57; scope of M.A. course and examn. widened, making it possible to take the degree not only by thesis but also by examn. in some specially selected field, the length of study-time in either case being the same.

EXTRA-MURAL WORK. New Resident Tutor apptd. in E. Birmingham. The fifth 6 wks.' Summer Sch. on Shakespeare and Elizabethan Lit. held at Stratford-upon-Avon. Other vac. courses included "The History of the Marches of Wales," study tours to Italy and Switzerland and a jt. sch. with the W.E.A. at Hereford. Spec. programmes dealing with the Renaissance and with Elizabethan England held. An Archæological Survey of the W. Midlands, undertaken in assocn. with the Dept. of Archæol., contd. Series of concerts organized in various centres in collabn. with Arts Council. Residential courses contd. to be held at Attingham Park, Westham House and at the Univ. Centre for Continued Studies.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. D. B. Porter, New York, (a) "Industrial Engineering Progress in the United States"; (b) "S.A.M. Research on Time Study"; Prof. M. E. Mundel, Purdue Univ., Lafayette, Indiana, (a) "Motion and Time Study"; (b) "Industrial Engineering Research"; A. Roger, Lond., "Occupational Psychology"; Prof. C. Sadron, Stras., "High Polymer Solutions"; Dr. D. G. Catchside, Camb., "Gene Action in Neurospora"; E. C. Cherry, Imperial Coll., Lond., "Non-Linear Electric Circuits"; Dr. Zuntz, Manc., "The Transmission of the Bible in the Light of Recent Research"; Prof. O. K. Bouwsma, Nebraska, "The Word as Image"; Prof. B. Williams, N. Staffs., "Problems of Economic Planning"; Prof. H. Hamperl, Marburg, Germany, "The Argyrophilic Cells and their Role in Diabetes"; Prof. H. Frisbie, Calif., "Enamel Caries"; Prof. P. Jourda, Montpellier, (a) "La Fontaine" (2 lectures); (b) "La Bruyère" (2 lectures); (c) "Marot" (2 lectures); (d) "Stendhal" (2 lectures); (e) "La Peste de Camus"; (f) "Montaigne" (2 lectures); (g) "Marguerite de Navarre" (2 lectures); (h) "Balzac" (1 lecture); Prof. J. Schwietering, Fran., "Der Parzival Wolframs von Eschenbach"; Prof. H. Becker, Wis., "A Village in Hesse"; Prof. F. Beissner, Tübingen, "Klopstocks Ode Der Zürchersee"; Prof. L. A. Willoughby, Univ. Coll., Lond., "Classic and Romantic: a Revaluation"; Dr. N. H. Polakowski, Swansea, "The Bauschinger Effect"; Dr. M. A. Jaswon and A. J. E. Foreman, Imperial Coll., Lond., "The Approach of Dislocations to an Obstacle"; Dr. F. D. Richardson, R. Sch. of Mines, Lond., "Gases in Cast Metals"; Dr. K. J. Jack, King's Coll., Newcastle, "Tempering of Nitrogen and Carbon Martensites"; Dr. W. Cole, Ill., "Surgical Diseases of the Gall Bladder"; Prof. McK. Cattell, Corn., "The Mechanism of action of digitalis in congestive failure"; Dr. K. Schreider, Heidel., "Some Aspects of amino-acid metabolism."

VISITS BY MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. T. U. Mathew, Glas., "Engineering Production"; Prof. J. Sayers, Camb., "Electron Attachment and Recombination in the Ionosphere"; Prof. H. W. Melville, Louvain and Brussels, (a) "High Polymer Chemistry"; (b) "Chemical Kinetics"; Prof. K. Mather, Camb., "The Genetical Control of Variation in Development"; Prof. R. H. Hopkins, Louvain, "Starch and the Amylases"; Prof. R. H. Hopkins, Manc., "Starch Amylase and Reactions in the

Mash Tun"; P. Styles, Univ. Coll., Aberystwyth, "Domestic Architecture of the Welsh Marches"; G. Templeman, Camb., "Edward I and the Historians"; I. A. Shapiro, Montpellier, (a) "Wordsworth and the Imagination"; (b) "Shakespeare Tragedy"; W. M. Gorman, (a) Camb., "Aggregation Problems in Economics"; (b) Manc., "Review of Koopman's Statistical Inference in Dynamic Economic Models"; F. H. Hahn, Camb., "The Conditions of a Regular Progressing Economy"; Prof. A. C. Frazer, Gand, "L'Absorption des graisses normale et anormale chez l'homme"; (b) Geneva, "The mechanism of fat absorption from the small intestine"; Prof. S. Zuckerman, (a) Georgia Med. Coll., "Histogenesis of Tissues Responsive to Estrogens"; (b) Cincinnati, "Contrast and Conformity"; (c) Wye Coll., Lond., "Monkeys in Agriculture"; Prof. J. M. Smellie, (a) Aberd., "Aminoaciduria"; (b) Dundee, "Bronchiectasis"; Prof. E. B. Manley, (a) Lond. Hospl. Dental Sch., "Importance of Enamel Structure in relation to the Initial Attack of Caries"; (b) Belf., "The Application to Clinical Practice of Recent Research Work in Dental Pathology"; (c) Calif., "Histopathology of Enamel Caries," "Tooth Development in relation to Adamantimona", "The Defence Mechanism of Dental Pulp and its Clinical Significance"; Prof. A. H. Cottrell, (a) Sheff., "Present Views on Nature of Plastic Deformation"; (b) Edin., "Strength of Metals"; (c) Libre U. de Bruxelles, "The Yield Point in Single Crystals and Polycrystalline Metals"; Prof. D. Hanson, (a) Tor., "Recent researches in Physical Metallurgy"; (b) Br. Col., "Recent researches in Physical Metallurgy"; (c) M.I.T., "Transformations in Steel"; (d) Pitt., "Effects of High Temperature on Steel"; (e) Melb., "Effects of High Temperature on Steel"; Prof. R. Pascal, Inst. of Germanic Langs. and Lits., Lond., "Sturm und Drang"; K. A. Bisset, (a) Carnegie Inst., U.S.A., "Genetical Implications of Bacterial Cytology"; (b) Camb., "Reproduction in Tubercle Bacilli"; E. O. Morris, Camb., "Reproduction in Filamentous Bacteria"; Prof. F. A. R. Stammers, (a) Harv., "Sequelæ of total or near-total gastrectomy"; (b) Ill., "Acute Appendicitis"; A. L. d'Abreu, Harv., (a) "The Surgical Treatment of Pulmonary Tuberculosis"; (b) "The Tuberculosis Problem in Gt. Britain."

RETIREMENTS. Prof. W. Stiles (Bot.); Prof. G. N. Watson (Pure Maths.).

RESIGNATIONS. Prof. P. B. Medawar (Zool.), apptd. to Jodrell Chair of Zool. and Compar. Anat., Univ. Coll., Lond.; Dr. G. J. Kynch (Math. Phys.), apptd. to Chair of Appl. Maths., Univ. College of Wales, Aberystwyth; Dr. E. S. Twyman (Bot.), apptd. to Chair of Bot., Rhodes U.; Dr. S. H. Wajda (Anat.), apptd. to Chair of Histol. and Embryol., U. of Mendoza, Argentine; Dr. P. G. Bevan, Dr. J. M. Duncan, Dr. D. M. Garratt, Dr. F. R. Goodwin, Dr. D. J. Oakland, Dr. P. W. H. Robinson (Temp. Lectrs. in Anat.); Miss R. Colomb (Maths.); Miss K. Crofton (Educn.); Dr. S. J. Green (Chem. Engin.); Miss M. Gregg (Bot.); Dr. R. T. W. Hall (Chem. Engin.); G. L. Hatherley (Mining); H. W. B. Hayley (Phys. Educn.); Mrs. M. M. James (Med. Stats.); F. E. Kras (Mech. Engin.); Dr. S. D. Loxton (Obstet. and Gynæcol.); Dr. H. McManus (Math. Phys.); Dr. W. S. Norman (Chem. Engin.); Dr. Vera Norris (Med. Stats.); J. S. Stephens (Hist.); Dr. R. L. Whitmore (Coal Treatment); A. J. Wilson (Mech. Engin.); M. J. Wise (Geog.); Dr. B. S. B. Wood (Pædiatrics); Dr. B. A. Bilby (Metall.); Dr. A. T. Churchman (Metall.); B. Kerblay (Comm.); Dr. J. N. Pratt (Metall.); E. R. Collins (Phys.); J. Hayes (Soc. Study).

DEATHS. Dame Elizabeth Cadbury (member of Ct. of Governors since Univ. was founded); Col. E. Martineau (Life Governor); C. Ekin (Univ. Solicitor); Sir Leonard G. Parsons (Dean of Fac. of Med. and Emer. Prof. of Pædiatrics

and Child Health); Emer. Prof. K. D. Wilkinson (Therapeutics); Emer. Prof. G. Haswell Wilson (Pathol.); Emer. Prof. C. Batho (Civ. Engin.); Dr. G. A. Shakespeare (Lectr. in Phys., 1899-1938); S. J. Ellis (Lectr. in Mech. Engin.).

HONORARY DEGREES. *LL.D.*—Lord Tedder of Glenguin, Marshal of R.A.F. and Chancellor of Camb. U.; Sir W. Fraser, Chairman of Anglo-Iranian Oil Co., Ltd.; F. C. James, Principal and Vice-Chancellor, McGill U.; Rt. Hon. Lord Leathers of Purfleet, Chairman of W. Cory & Son, Ltd., and Minister of War Transport, 1941-45. *D.Sc.*—Sir James Chadwick, Master of Gonville and Caius Coll., Camb.; Sir Robert H. Davis, Governing Dir. of Siebe Gorman Ltd., Inventor of Breathing Apparatus; Sir John Simonsen, Dir. of Colonial Products Res. Council. *D.Litt.*—R. H. Tawney, Emer. Prof. of Econ. Hist., Lond. U.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	159	2595
Women	401	711
Total	560	3306

Included in the above are 577 postgraduate students (35 part-time and 542 full-time) and 884 new (full-time) admissions.

DEGREES AWARDED. B.A., 189; B.Mus., 4; M.A., 19; B.Com., 54; M.Com., 3; B.D.S., 7; LL.B., 15; M.B., Ch.B., 82; M.D., 4; B.Sc., 333; M.Sc., 13; D.Sc., 2; Ph.D. (all Facs.), 91.

DIPLOMAS AWARDED. Graduates' Commerce, 5; Dental Surg., 25; Engin. Production and Management (Postgraduate), 4; Educnl. Psychol., 1; Malting and Brewing (Postgraduate), 1; Malting and Brewing, 10; Psychol. of Childhood, 14; Soc. Study, 1; Theol., 1.

CERTIFICATES AWARDED. Div. (Supplementary), 5; Educn. (Postgraduate), 130; Educn. (2 yr.), 46; Indust. Nursing, 40; Primary Teachers', 3; Soc. Study, 7.

UNIVERSITY OF BRISTOL*

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

Postal Address : Bristol, 8.

Telephone : Bristol 24161.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—The Rt. Hon. WINSTON S. CHURCHILL, 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—W. R. 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.

FINANCE OFFICER—D. C. A. SMITH.

TEACHING STAFF

Anatomy

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

Lecturers

Field, E. J., M.D., M.S. Durh.
Robinson, Frances B., M.D., Ch.B.
Birm.

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

Demonstrators

Ancill, R. J., M.B., Ch.B.
Smith, B. O., M.B., Ch.B. Lond.
Holt, J. A. G., M.B., Ch.B.
Gall, W. J., M.B., Ch.B.
Byrne, Jean, B.Sc. N.U.I.

Res. Asst.

Aramaic, v. Oriental Languages

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

Botany, v. also Assoc. Instns.

Skene, M., D.Sc. Aberd.
 Melville Wills Prof.
 Hawker, Lillian 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.
 1 Recogd. teacher in Gardening.

Chemistry, Organic, v. also Assoc. Instns.

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

 A. C. Pass Prof.
 Malkin, T., D.Sc. Lond., Ph.D.
 Manc. Reader.

Jones, J. K. N., D.Sc. Birm., Ph.D.
 Reader.

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.
 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, Kathleen W., B.Sc.
 Lond., Ph.D.

Gray, T. J., B.Sc., Ph.D.
 Couper, A., B.Sc., Ph.D.
 Seymour, R. C., B.Sc.
 Stone, F. S., B.Sc., Ph.D.
 King, Annie M., Ph.D. Res. Asst.

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.

 Asst. Lectr.
 Warmington, B. H., M.A. Camb.

 (Anc. Hist.) Asst. Lectr.

*Dentistry, v. infra**Domestic Science, v. also Assoc. Instns.*

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. Oxon.
 Lectr.

Stanley, E. Sp. Lectr.
 Rowell, G., M.A., B.Litt. Oxon.

 Asst. Lectr.
 Brandt, G. W., B.A. Lond., M.A.

 Manit. Jr. Fellow.

Economics

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

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

Dawe, C. V., M.Com. Leeds, Ph.D.
 (Agric. E.) Sr. Lectr.

Morris, S. T., M.Sc. (Econ.) Wales
 (Agric. E.) Sr. Lectr.

Lecturers

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

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.

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

Education

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

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

Senior Lecturers

Humphreys, D. W., M.A. Lond.
Pye, Margaret W., B.A., Ph.D.
Lond.

Lecturers

Jarman, T. L., M.A., B.Litt. Oxon.,
A.M. Harv.

Pym, Dora O., M.A. Camb.
Sutherland, J. K., B.Sc. (Econ.)
Lond.

Hickman, Gladys M., M.A., Ph.D.
Lond.

James, W. S., M.Sc. Lond.
Vinnicombe, Ellen J., M.A. Camb.,
B.Sc.

Michael, I., B.A. Lond.
Scott, D. W., M.A. Camb.
Brennan, Sheila B., M.A. Oxon.
Morgan, Gladys M., M.A. Oxon.
Sp. Lectr.

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.

French

Stewart, W. M., M.A. Dub. Prof.
Warne, F. J., B.A. Lond. Sr. Lectr.

Lecturers

Gould, S. C., B.Litt., D.Phil.
Oxon., B.A.

Mason, 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. Asst. Lectr.

Stéphan, E. M., M.A. Sp. Lectr.

Bourg, Marie T., L. ès L. Lectrice.

Lagoarde-Ségot, C. Lecteur.

Geography

Jervis, W. W., D.Sc. Durh. Prof.

Lecturers

Walker, F., M.A. Liv.

Hannell, F. G., B.Sc.

Graves, A. M., B.Sc.

Kendall, O. D., M.A. Camb.

Sp. Lectr.

Birch, J. W., B.A. R'dg.

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.

Lecturers

Turner, H. W., M.A. Oxon.

Loupekine, I. S., B.Sc., Ph.D.

Simpson, S., M.A. Camb., Dr. rer.
nat. Fran.

Donovan, D. T., B.Sc., Ph.D.

Wallis, F. S., D.Sc., Ph.D. (Sedi-
mentary Petrol.) Sp. Lectr.

German

Closs, A. M., M.A., D.Phil. Graz.
Prof.

Morgan, Estelle, M.A., Ph.D. Edin.

Lectr.

Goodbody, Margaret, M.A. Lectr.

Radcliffe, S., B.A. Liv. Asst. Lectr.
Jung, R. Lektor.

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., M.A., Ph.D. Reader.

Butcher, Emily E., M.A. Sr. Lectr.

Lecturers

Sharp, 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., B.A. Oxon.

Horticultural Science

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

Smith, Nancy M., B.Sc. (Hort.)
Lond. Lectr.

1 Recognized Teacher.

Law

Lewis, M. M., M.A., LL.B. Camb.
Dean Fac. of Law, Prof.

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

Forrest, G. A., M.A. Oxon.
Sr. Lectr.

Lecturers

Bain, K. H., LL.B. Lond.

Grodecki, J. K., B.A. Oxon.

Pitt, F. W. C., LL.B.

Mackeson, J. F., B.A. Camb.

Mathematics, Applied

Howarth, L., M.A., Ph.D. Camb.,
F.R.S. Prof.

Stewartson, K., M.A. Camb., 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.

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.

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

Asst. Lectr.

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. Asst. Lectr.

Oriental Languages

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

Sp. Lectr.

Philosophy

Körner, S., Ph.D. Camb., M.A.

Prof.

Carré, M. H., M.A. Oxon.

Reader.

Kirkham, R. M., B.A. Oxon.

Asst. Lectr.

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

Dean, Fac. of Sci., H. O.
Wills Prof.

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

Piper, S. H., D.Sc. Lond. Prof.

Mitchell, J. W., M.Sc. N.Z.,
D.Phil. Oxon. (Exper. P.)

Reader.

Polder, D., Ph.D. Leiden Reader.

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

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.

Devonshire, A. F., M.A., Ph.D.

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.

Gibson, W. M., M.A. Camb.
G. A. Wills Res. Assoc.

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

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

Hingley, Margaret, B.Sc. Res. Asst.
3 Recognized Teachers.

Physiology

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

Wiltshire, Marion O. P., D.Sc.

Sr. Lectr.

Ashford, C. A., M.A., Ph.D. Camb.
(Chemical 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., F.R.C.P., D.P.M.
(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.

Day, R. H., B.Sc. W.Aust.

Res. Fellow.

Religious Knowledge

4 Recognized Teachers.

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

Social Work, Theory and Practice of

1 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. California,
Ph.D. Camb.

(Entomol.) Reader.

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

Lecturers

Sloane, J. F., B.Sc. Glas.
 Bassindale, R., M.Sc. Sheff.
 Crofton, H. D., B.Sc., Ph.D. Durh.
 (Parasitol.).
 Whiting, H. P., M.A., Ph.D.
 Camb. (Vert.).
 Moore, N. W., B.A. Camb.

Bakewell, W., L.D.S. (C.).

Tutors

Lyon, D. G., L.D.S., F.D.S.R.C.S.
 Ehrmann, E. H., B.D.Sc. Melb.,
 L.D.S.
 MacGregor, A. R.
 Poole, D. F. G., 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

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

Dental Jurisprudence

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

Dental Prosthetics

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

Dental Radiology

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

Dental Surgery

Darling, A. I., M.D.S. Durh.,
 F.D.S.R.C.S. Prof.
 Crabb, H. S. M., B.D.S. Lond.,
 F.D.S.R.C.S. (Operative)

Lectr.
 Rigg, S. K., L.D.S. (C.).
 Claremont, L. E., M.D.S.,
 F.D.S.R.C.S. (D. Materia
 Medica) Lectr.

Connor, D. C., L.D.S. (C.).
 Snowdon, J. W. E., M.B., Ch.B.,
 M.D.S., F.D.S.R.C.S. * (C.).

Wells, J., L.D.S., H.D.D. Edin.,
 F.D.S.R.C.S. (C.).

Hogbin, F. R., L.D.S. (C.).

Engineering

Aeronautical Engineering

Collar, A. R., M.A. Camb., D.Sc.
 Lond., F.R.Ae.S.
 Sir George White Prof.
 Black, J., M.Sc. Belf., 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.
 Flint, A. R., B.Sc. Lond., 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.
 Bond, G. G., B.Sc. Wales
 Jr. Fellow.

Mechanical Engineering

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

Lecturers

Rogers, G. F. C., B.Sc.

* (C.) = Clinical Teacher.

Crossland, B., M.Sc. Lond.
 Meyerowitz, Y. R., B.Sc. Lond.
 Dickson, A. N., B.Sc. (Eng.) Lond.

Theoretical Mechanics

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

Medicine

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

Anæsthetics

Woolmer, R. F., B.A., B.M., B.Ch.
 Oxon., D.A., F.F.A.R.C.S.
 Hd. of Dept., Sr. Lectr.
 Baxter, V. T., M.B., Ch.B., D.A.
 Lond. (C.).*
 Bradbeer, E. G., F.F.A.R.C.S.,
 D.A. (C.).
 Feneley, G. L., M.B., Ch.B., D.A.,
 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.
 (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.
 (C.).
 Schooling, Isobel B., M.B., B.S.
 Lond., D.C.H. Tutor.
 Turner, W. D., M.B., Ch.B. Sheff.
 Tutor.

Bacteriology, v. Pathology

Child Health

Neale, A. V., M.D. Birm., F.R.C.P.,
 D.P.H. Prof.

Apley, J., M.D., B.S. Lond.
 Lectr. (C.).
 Corner, Beryl, M.D., Ch.B. Lond.
 Lectr. (C.).
 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.
 Jaco, N. T., M.A., B.Sc., B.M.,
 B.Ch. Oxon., 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.
 Wilson, K. L., B.A. Camb., D.L.O.,
 F.R.C.S. Tutor.

Medicine, v. also Path., Pharm.

Perry, C. B., M.D., Ch.B., F.R.C.P.
 Prof.

* (C.) = Clinical Teacher.

- Cates, J. E., M.D., B.S. Lond. Lectr.
 Cosh, J. A., B.A., M.D., B.Chir. Lectr.
 Camb.
 Dalgleish, P. G., M.D., B.S. Lond. 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. Lectr.
 Camb.
 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.
 Sparks, J. V., B.A. Camb., D.M.R.E. (Radiodiag.) 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. (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.)
 Tovey, G. H., M.D. (Hæmatol.) (C.)
 Middlemiss, J. H., M.D., B.S. Durh., D.M.R.D., F.F.R. (Radiodiag.) Lectr.
 Gaskell, K. H., M.A., B.Chir. Camb., D.M.R.D. (Radiodiag.) (C.)
 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.)
 Sutton, G. E. F., M.D. Lond., F.R.C.P. (C.)
 Alexander, A. J. P., M.D., B.Ch., B.A.O. Belf. (TB.) (C.)
 Craig, R. A., B.Sc., M.D., B.S. Lond. (TB.) (C.)
 Macrae, J., M.D., Ch.B. Glas., F.R.F.P.S., D.P.H. (Fevers) (C.)
 Stewart, I. McD. G., M.D., B.S. Lond. Tutor.
 Gordon, I. R. S., M.D., B.Chir. Camb. (Radiodiag.) Tutor.
 Truscott, D. E., M.B., B.S. Lond., D.M.R.D. Lond. (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. (Radiodiag.) Tutor.
 Pengelly, C. D. R., M.B., Ch.B. Tutor.
 Wood, F. J. Y., M.A., M.B., B.Chir. Camb. Tutor.
 2 Recognized Teachers.
Neuro-Surgical Unit, v. also Surg., *infra*
 Alexander, G. L., M.B., Ch.B., B.Sc. Edin., F.R.C.S. Surgeon-in-charge (C.)
 1 Recognized Teacher.
Obstetrics 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.
 Hector, F. J., M.D., Ch.B., F.R.C.S. (C.)

* (C.) = Clinical Teacher.

- 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.
- Lawson, J. B., M.A., M.B., B.Chir. Camb. Tutor.
- Ophthalmology*
- Palin, A., M.A., B.M., B.Ch. Oxon., F.R.C.S. Ed. Hd. of Dept., Lectr.
- Jardine, P., F.R.C.S. Ed., D.O.M.S. (C.).
- Garden, R. R., M.A., M.B., Ch.B. Aberd., D.O.M.S. (C.).
- Clifton, F., M.A., M.B., B.Chir. Camb., D.O.M.S. (C.).
- 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.
- Rees, R. E., D.O.M.S. Tutor.
- Pathology and Bacteriology*
- Hewer, T. F., M.D., F.R.C.P. Prof.
- Lecturers
- Gillespie, W. A., M.A., M.D. Dub., D.P.H. (Clin. Bacteriol.).
- Fraser, A. D., M.A., B.Sc., M.B., Ch.B. Glas., D.P.H. (Clin. Pathol.).
- Taylor, A. L., M.D., Ch.B. Leeds. (Clin. Pathol.).
- McGowan, G. K., B.A., B.M., B.Ch. Oxon. (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.
- Andrews, G. S., M.D., Ch.B. (Clin. Pathol.).
- Summers, G. A. C., B.Sc., M.B., Ch.B. Edin.
- Dodgson, M. C. H., M.D., B.S. Lond.
- Norman, R. M., M.D., Ch.B., D.P.M. Lond. (Neuropathol.).
- Linton, A. H., M.Sc. (Vet. Bacteriol.).
- Price, C. H. G., M.D., Ch.B. Res. Fellow.
- Bolton, F. G., M.B., Ch.B. Tutor.
- Clarke, Suzanne K. R., M.B., Ch.B. Tutor.
- Ruebner, B., M.B., Ch.B. Edin. Demr.
- Michaels, L., M.B., B.S. Lond. (Bacteriol.) Demr.
- Johnson, D. H., M.B., Ch.B. Demr.
- Guy, Joan, B.Sc., M.B., B.Ch., D.C.H. Wales Demr.
- Lee, A. J., M.B., Ch.B. 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.

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.)

Sr. Pathological Officer.

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. (Bacteriologist).

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

5 Recognized Teachers.

Psychiatry

Hemphill, R. E., M.A., M.D. Dub.,
D.P.M.

Hd. of Dept., Lectr.

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

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

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

Lyons, J. F., D.P.H., D.P.M.
(Mental Deficiency) (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.B., 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 of Fac. and 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.
Lectr. (C.).

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

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

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

Nanson, E. M., M.B., Ch.B. N.Z.,
F.R.C.S. Lectr.

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

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

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

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

* (C.) = Clinical Teacher.

- 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.).*
- 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.).
- 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.
- Brockway, E. N., M.B., B.S.
Lond., F.R.C.S.Ed.
(Orthop.) Tutor.
- Hale, B. T., M.B., Ch.B., D.M.R.T.
Tutor.
- Kyle, J. B., B.A. Oxon., M.B.,
B.Ch. Belf., F.R.C.S.
(Orthop.) Tutor.
- Neve, C. R., M.B., B.S. Lond.,
F.R.C.S. Tutor.
- Goldstein, A. M., M.B., B.S.,
D.M.R.T. Lond.
(Radiother.) Tutor.
- Ramsay, R., F.R.C.S. Tutor.
- 3 Recognized Teachers.
- Venereal Diseases*
- McLachlan, A. E. W., M.B., Ch.B.
Edin., D.P.H. Lectr.
- Veterinary Science*
- Blakemore, F., D.V.Sc., D.V.S.M.
(Vet. Med.) Prof.
- Ottaway, C. W., Ph.D. Camb.,
F.R.C.V.S. (Vet. Anat.) Prof.
- Carlyle, A., B.A. Camb., B.V.Sc.
Liv. (Vet. Physiol.) Sr. Lectr.
- Laing, J. A., B.Sc. Edin., Ph.D.
Camb. (Vet. Med.) Sr. Lectr.
- Lecturers**
- McCrea, M. R. (Animal Husb.).
- Tribe, D. E., B.Sc. Agric. R'dg.,
Ph.D. Aberd. (Animal Husb.).
- Halley, Gwendolen, B.Sc. R'dg.,
Ph.D. Lond. (Vet. Anat.,
Embryol.).
- King, A. S., B.Sc. Lond. (Vet.
Anat.).
- Batten, E. H., B.Sc. R'dg.
(Vet. Phys., Histol.).
- Holmes, J. R., B.V.Sc., Ph.D.
Liv. (Vet. Med.).
- Jones, E. W., Ph.D. Corn. (Vet.
Surg.).
- Levie, Marjorie V. (Vet. Surg.).
- Soulsby, E. J. L., D.V.S.M. Edin.
(Clin. Parasitol.).
- Smith, R. N. (Vet. Anat.)
Asst. Lectr.
- Burrows, R., B.V.Sc. (Vet. Pathol.)
Asst. Lectr.
- Art Lectures**
- 1951-52—Mrs. Hannah Closs ;
Prof. N. B. L. Pevsner, M.A.
Camb., Ph.D. Leipzig ; J.
Byam Shaw ; L. D. Ettlinger,
Ph.D. Marburg ; C. Mitchell,
M.A. Oxon.
Subject—*The Art of Albrecht
Dürer.*
L. Wright.
Subject—*Mediæval Architecture
of the Bristol Region.*
- Carey Coombs Memorial
Lecturer**
- 1951-52—Prof. G. Hadfield, M.D.
Lond., F.R.C.P.
Subject—*Bacterial Hypersensi-
tivity and Rheumatic Car-
ditis.*

Lewis Fry Memorial Lecturer

1951-52—Prof. R. H. Tawney,
B.A., D.Litt. Oxon., Litt.D.
Manc., D. ès L. Paris, F.B.A.
Subject—*Recent Work on the
English Revolution of the mid-
Seventeenth Century.*

**George Hare Leonard Memorial
Lecturer**

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

Loveday Memorial Lecturer

1951-52—Astra Desmond, C.B.E.,
B.A. Lond.
Subject—*The Influence of
Language on Song.*

**Patrick Watson-Williams
Memorial Lecturer**

1951-52—V. E. Negus, D.Sc.
Manc., M.S. Lond., F.R.C.S.,
F.R.C.S.Ed.
Subject—*Defences of Air Pass-
ages, with Special Reference
to Ciliary Action.*

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.

University Extension

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

19 Full-time Tutors.

Pt.-time Extra-Mural Lectrs. :
33 members of staff, 88 others.

Resident Tutors**Bristol**

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

Gloucestershire

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

Somerset

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

<i>Dorset</i>	B.A. Camb. ; Thomas, J. L., B.A. Lond.
Ollett, F. A., M.A. Camb. ; Clifford, Emma A. H., M.A. R'dg.	Staff Tutors for Services Educn. Aris, R. F., Dr. juris utriusque Jena ; Callender, M. H., M.A., Ph.D. Durh. ; Jenkins, H., B.Sc. Wales.
<i>Wiltshire</i>	
Ross, H., B.A. Lond. ; Hare, A., B.A. Lond. ; Molland, R.,	

ADMINISTRATIVE AND OTHER STAFF

OFFICE OF THE REGISTRAR AND SECRETARY. Asst. Registrars and Secs. : A. Fraser, B.A. Leeds, E. C. Wright, B.A. Oxon. Graduate Asst. : Sheila M. Wicks, M.A. Oxon. Examinations Officer : H. G. Lock. Publications Officer : S. L. Crook.

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

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

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

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

WARDENS OF HALLS OF RESIDENCE. O. D. Kendall, M.A. Camb. (Wills Hall) ; J. F. Sloane, B.Sc. Glas. (Burwalls) ; J. K. Sutherland, B.Sc. (Econ.) Lond. (Wraxhall Court) ; 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 : D. E. Olliff, M.B., Ch.B. Medical Officers : P. J. Chapman, M.B., Ch.B., Agnes H. Wilkinson, M.B., Ch.B. Birm.

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. *Entomol.*—H. G. Kearns, B.Sc. Lond., Ph.D. Camb., Reader. With the standing of Sr. Lectrs. in the Univ. : *Agricultural Bot.*—G. T. Spinks, M.A., Dip. Agr. Camb. *Biochem.*—A. Pollard, M.Sc. Lond., Ph.D. Manc. *Chem. of Insecticides and Fungicides*—J. T. Martin, D.Sc. *Mycol.*—R. W. Marsh, M.A. Camb. *Pomol.*—L. C. Luckwill, B.Sc., Ph.D. With the standing of Lectrs. in the Univ. : *Biochem.*—F. W. Beech, B.Sc. Birm. *Chem.*—C. Bould, M.Sc., Ph.D. R'dg. *Cider*—L. F. Burroughs, B.Sc. *Domestic Fruit and Vegetable Preservation*—Alice Crang, B.Sc. Lond. *Entomol.*—S. H. Bennett, B.Sc. ; A. Stringer, B.Sc. Lond. ; N. G. Morgan, B.Sc. *Fruit Products*—Margaret E. Kieser, B.Sc. *Mycol.*—S. H. Crowdy, B.Sc. Lond. *Organic Chem.*—D. Woodcock, M.Sc., Ph.D. Durh.

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. 12 Res. Assts., 1 Recognized Teacher.

AGRICULTURAL RESEARCH COUNCIL UNIT OF PLANT NUTRITION (MICRONUTRIENTS), 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. 1 Research Assistant.

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. A. Dakin, B.D. Lond., D.Th. Heidel.; 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.

BIBLE CHURCHMEN'S 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.

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.

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 in the Municipal College of Technology. 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 1950-51 was £933,345 of which 64 per cent. was Parliamentary Grants, 12 per cent. Fees, 12 per cent. Contribu-

tions for Services Rendered, 6 per cent. Endowments, 4 per cent. Grants from Local Authorities and 2 per cent. other items.

LIBRARY. 178,000 vols. (Arts 97,000, Sci. 44,000, Med. 34,000, Law 3,200). 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); Wigglesworth Ornithological collection; early medical books, including the Parry Soden collection; works on mineral waters and spas.

LABORATORIES. Scientific, Medical and Engineering, all equipped for purposes of research. Hiatt Baker Botanical Garden. 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. N. F. Mott (Phys.).

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 all 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., Youth Service, 2 yrs., Child Study, 1 yr., Horticultural Science (postgraduate), 15 mos., L.D.S., 4 yrs., Public Health, 9 to 18 mos., Psychological Medicine, 6 mos.

CERTIFICATES. Testamur in Social Study, 2 yrs., Education, 1 yr., Public Health, 1 yr., Testamur in Bacteriology and Microbiology (postgraduate), 1 yr., Midwife Teachers', 9 mos. Certificates in Pomology, in Plant Physiology and in Entomology, 2 terms (postgraduate).

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

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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs. : see Appendix II.

RESIDENCE. (For Wardens see "Administrative and other Staff," p. 66.) For Women (fees : £120 p.a.) : Clifton Hill House, Clifton Hill, Bristol, 8 (*Telephone* : Bristol 36274), 90 students; Manor Hall, Clifton, Bristol, 8 (*Telephone* : Bristol 36604), 150 students. For Men (fees : £125 p.a.) : Wills Hall, Stoke Bishop, Bristol, 9 (*Telephone* : Bristol 81544), 296 students; Burwalls, Leigh Woods, Bristol, 8 (*Telephone* : Bristol 36089), 40 students; Wraxhall Court, Wraxhall, Somerset (*Telephone* : Nailsea 335), 40 students.

UNIVERSITY NAVAL CONTINGENT. C.O. : Capt. 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 R. G. West, D.F.C. The squadron provides flying training for students preparing for commissioned service in the R.A.F. or its Auxiliary or Reserve Forces. During term, flying training is given at the R.A.F. Station, Filton, and continuous training takes place during 2 wks. of the long vac.

The **UNIVERSITY UNION** is the student body of the Univ. and is housed in the Victoria Rooms. (*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 Gymnasias in the Students' Union. Rowing at Saltford, 7 miles from Bristol. 2 Lectrs. in Phys. Educn. organize games and athletics. (V. p. 57.)

INSTITUTE OF EDUCATION (see also p. 65.) Founded in 1947 to supervise

* Includes Union fee.

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

APPOINTMENTS BOARD. Sec.: Elsie M. Briggs, B.Sc., Ph.D. 1950-51: 128 permanent appts., including—Govt. Depts., 29 men, 7 women; Commerce and Industry, 83 men, 3 women; Misc., 6 women. Vacation and temp. work, 158 men, 28 women.

For FORMER STUDENTS there is an Association of Alumni. Sec.—J. Sagar, M.A., 7 River St., Bath.

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. 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 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 (Arrow-smith), 6s. paper, 10s. 6d. cloth.

THE YEAR 1950-51

SUBSTANTIAL BENEFICATIONS. Royal Society, £7200, for constrn. of meteor camera in Phys. Dept., and £1105 for purchase of X-ray Diffraction Unit for Organ. Chem. Dept.; Reckitt and Colman, Ltd., £4000, for res. on the sterols of the suprarenal cortex; British Empire Cancer Campaign, £2050, and Lord Mayor's Voluntary Services Fund, £200, for cancer res.; Royal Coll. of Physicians, £1400, for an experiment on the prophylaxis of Acute Rheumatism with penicillin; I.C.I. Ltd., £1052, and a rocking hydrogenation autoclave for Dept. of Chem.; further anon. gift of £1000 towards establ. of Chair of Psychiatry; Racecourse Totalizator Charity Trust, £500, for the Vet. Sch.; Mrs. N. L. Cooke Hurle, £100, for the two Women's Halls of Residence; Trustees of late Graham Robertson, £60 postgrad. travelling scholp. in Hist.

NEW BUILDINGS. New labs. for Anat. and Zool. and a Lab. block for Biological Chem. completed and in use. Drama Studio opened. At Langford a range of bull-pens finished and work in progress on lecture rooms and labs. for Vet. Med. Rodney Lodge adapted as annexe to Manor Hall to accomm. 25 women students. Work continues on first instalment of new Engin. School. The Univ. has entered into a long lease of pt. of 20 Berkeley Sq. to provide more adequate accomm. for Dept. of Adult Educn.

NEW DEPARTMENTS AND POSTS. Division of Dept. of Philos. and Psychol. into 2 sep. depts. New Chairs of Bacteriol., Obstet. (full-time in place of former pt.-time chair), Educn., Pol. Econ., Psychol. and Phys. Readerships in Bio-Physical Chem., Phys. and Bot. (in place of former lectureships). Sr. Lectureships in Chem. and Dental Prosthetics (in place of former lectureships). Lectureships in Analytical Spectroscopy, Pathol. (2), Pharmacol., Vet. Med., Vet. Surg., Vet. Anat., Obstet. and Gynæcol., Appl. Maths. Asst. Lectureships in Geog., Classics, French, Jr. Fellowships in Electr. Engin., Drama, Appl. Maths. Sr. Agric. Economist.

PRINCIPAL CHANGES IN REGULATIONS. Jt. Hons. Schs. estabd. in Classics and Drama, French and Drama, German and Drama, Latin and French. Regulns. for B.Mus. and D.Mus. approved. (B.Mus. open to candidates who, not less than one yr. previously, attained in the Univ. the general degree of B.A. with Music as a Final subject.) Clifton Theol. Coll. associated with Univ. for instrn. for B.A. in theological subjects. Dipl. in Educn. estabd. for qualified teachers with 3 yrs.' experience. Provision made for B.V.Sc. to be awarded with 1st or 2nd class hons., and for distinction to be awarded in the 2nd or subsequent examns. Practical vac. course made an integral part of B.V.Sc. curriculum.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. L. Filler, Antioch Coll., Ohio, joined the Univ. for the session under the Fulbright Scheme; Prof. J. H. Keenan, M.I.T., "Thermodynamic Availability and Irreversibility"; Dr. Ruth E. Boynton, Minn., "The Student Health Services in the U.S."; Prof. E. Cammaerts, Lond., "Van Eyck's 'Adoration of the Lamb'"; Sir George Dyson, Royal Coll. of Music, "The Music of the Twentieth Century"; Prof. N. Pevsner, Camb., and Prof. A. Blunt, Courtauld Inst., Lond., "Architecture and Sculpture in the Baroque Age"; Prof. J. B. Trend, Camb., "The Spanish Contribution to European Drama"; Prof. W. O. Lester Smith, Lond., "A Century of Education."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Vice-Chancellor (Sir Philip Morris), Rhodes; Prof. Closs, Fran., Hamburg and Florence; S. H. Crowdy, Rhode Island Agric. Coll.; Dr. D. D. Eley, Liège; Prof. Garner, Graz; Dr. J. K. N. Jones, Inst. of Paper Technol., Wisconsin; Dr. J. W. Mitchell, Liège and Stras.; Prof. Mott, Camb. (to give Scott Lectures), and the United States; Prof. Stewart, the European Univ. Centre at Nancy; Prof. Wallace, Spain; Dr. Woolmer, Copenhagen, to take part in the establt. by the World Health Org. of a Sch. of Anæsthetics.

EXTRA-MURAL WORK. Organized through University Dept. of Adult Education: (1) Univ. Tutorial and Sessional Classes, and shorter courses, in Bristol, Gloucestershire, Somerset, Wiltshire and West Dorset: 44 3-yr. Tutorial Classes; 69 Sessional Classes; 59 Short Sessional Classes; 21 Short Courses. (2) Introductory Short Courses and Lectures organized by Resident Tutors in Bristol and in rural areas throughout Univ. region. (3) Public lectures and advanced course: 13 Courses. (4) Summer Schools and Residential Courses: 3 for extra-mural students; one for tutors in adult educn.; one for Probation Officers.

RETIREMENT. Miss G. C. Whitwill (Educn.).

RESIGNATIONS. Dr. S. W. Challinor (Microbiol. and Bio-Chem.), apptd. Hd. of Dept. of Indust. Fermentation, Birm. U.; H. J. Croot (Surg.), apptd. Hd. of Dept. of Surg., Makerere U.C.; M. P. Embrey (Obstet.), apptd. to Nuffield Dept. of Obstet. and Gynæcol., Oxford U.; F. L. Kent (Librarian), apptd. Librarian to Unesco in Paris; Dr. L. H. Matthews (Zool.), apptd. Scientific Dir. of London Zoological Soc.; A. Miller (Surg.), apptd. to pt.-time consultant post, United Bristol Hospls. and S.-W. Regional Hospl. Bd.; Dr. G. A. Smart (Med.), apptd. Reader in Med., Durh. U.; Dr. O. H. E. Bayles (Anæsth.); C. A. Brown (Ophthalmol.); Dr. D. D. Brown (Venereal Dis.); U. Camerini (Phys.); P. Cherrington (Resident Tutor in Wiltshire); R. C. Codner (Microbiol.); J. D. Cuthbertson (Pomol.); N. M. Gibbs (Pathol.); Dr. R. Herbert (Phys.); Mrs. C. Faulkner Hudson (Asst. Sec. Appts. Bd.); D. H. Johnson (Bacteriol.); Dr. W. P. Kelly (Anat.); Miss L. D. Kendall (Fruit and Vegetable Preservation); I. J. L. Morris (Laryngol., Rhinol. and Otol.); Valerie Nairn (Anat.); P. M. Nicholas (Dent. Surg.); J. H. Peacock (Surg.); C. S. Shaw (Anat.); Miss P. M. Simpson (Clin. Pathol.); Dr. G. D. F. Steele (Psychiatry); Hon. A. Strachey (Asst. Agric. Economist); T. Taig (Drama); B. Towers (Anat.); K. D. J. Vowles (Anat.).

DEATHS. Emer. Prof. J. Swain (Prof. of Surg. 1897-1920); Emer. Prof. J. A. Nixon (Prof. of Med. 1924-35); Dr. F. W. Rixon (formerly Sr. Lectr. in Chem.); Edith Birkhead (formerly Sr. Lectr. in English); Dr. J. Freeman and Dr. J. Odery Symes (former members of medical staff).

HONORARY DEGREES. *M.A.*—A. Barter, Bristol Philharmonic Soc.; R. H. Brentnall, Architect to Univ.; E. J. Taylor, Benefactor. *M.Sc.* in Engin.—F. W. Partington, Principal of Bristol Coll. of Technol.; H. M. Webb, formerly Bristol City Engineer and now City Planning Officer.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	184	1786
Women	96	729
Total	280	2515

Included in the above are 230 postgraduate students and 709 first-year admissions.

DEGREES. *B.A.*, 214; *B.A. (Com.)*, 12; *M.A.*, 8; *B.D.S.*, 3; *B.Sc. Eng.*, 48; *M.Sc. Eng.*, 2; *Ph.D. Eng.*, 2; *LL.B.*, 16; *LL.D.*, 1; *M.B.*, *Ch.B.*, 48; *M.D.*, 1; *B.Sc.*, 156; *B.Sc. (Dom. Sc.)*, 2; *M.Sc.*, 6; *Ph.D.*, 20; *D.Sc.*, 2.

DIPLOMAS AND CERTIFICATES. Certif. in Educn., 145; *D.P.A.*, 15; Testamur in Social Study, 14; Dipl. in Youth Service, 6; *D.M.R.D.*, 4; *D.P.M.*, 5; *L.D.S.*, 5; Midwife Teachers' Certif., 2.

UNIVERSITY OF CAMBRIDGE*

Founded in the 12th Century

Telephone (Registry) : Cambridge 54451.

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

VICE-CHANCELLOR—Professor Sir LIONEL WHITBY, C.V.O., M.C., Chev.
Lég. d'H., M.D., F.R.C.P., Master of Downing College.

HIGH STEWARD—The Rt. Hon. the LORD RUFFSIDE, M.A., Hon. LL.D.
Trin.

DEPUTY HIGH STEWARD—The Rt. Hon. the LORD WRIGHT, 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—J. T. SAUNDERS, M.A.
Christ's.

LIBRARIAN—H. R. CRESWICK, M.A. Jesus.

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

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

NOTE. The Colleges and Heads of Colleges are given on pp. 90 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

Bellairs, A. d'A., M.A. Qu.
Green, H. L. H. H., M.D. Sid.

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

Harty, M., M.B., B.Ch. N.U.I.,
M.A. Down.

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

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

Demonstrators

Balankura, K., Ph.D. Fitzw.

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

Hughes, A. F. W., M.A., Ph.D.
Selw.

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

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

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

Monro, P. A. G., M.A., M.B.,
B.Chir. Joh.

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

Shute, C. C. D., M.A., M.B.,
B.Chir. King's.

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

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, infra

Anthropology

Lecturers

Fortune, R. F., M.A. Emm.

Jones, G. I., M.A. Jes.

Lindgren, Ethel J., M.A., Ph.D.
Newn.

Trevor, J. C., B.Sc. Oxon., M.A.,
Ph.D. Emm.

Anthropology, Social

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

Arabic, v. Oriental Langs.

Aramaic, v. Oriental Langs.

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

Clark, J. G. D., M.A., Ph.D. Pet.,
F.B.A.
Disney Prof.

Lecturers

Burkitt, M. C., M.A. Trin.

Daniel, G. E., M.A., Ph.D. Joh.

McBurney, C. B. M., M.A., Ph.D.
King's.

Architecture

Macgregor, J., M.A. Manc., M.A.
Qu. 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.

Assist. Lectr.

Hunt, W. P., M.A.

Art

Pevsner, N. B. L., Ph.D. Leipzig,
M.A. Joh.

Slade Prof. of Fine Art.

Assyriology, v. Oriental Langs.

Astronomy and Experimental
Philosophy

Jeffreys, H., 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 Astro-
nomer.

Blackwell, D. E., M.A., Ph.D.
Pemb.

Asst. Dir., Solar Physics
Obs.

Sr. Asst. Observers .

Beer, A., Ph.D. Berl., M.A.

von Klüber, H., D.Phil. Berl., M.A.

Yates, G. G., M.A. Jes.

Jr. Asst. Observers
Dewhirst, D. W., B.A. Chr.
Ovenden, M. W., M.A.

Biochemistry

Young, F. G., Ph.D., D.Sc. Lond.,
M.A. Trin. H., F.R.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. Emm., F.R.S.
(Enzyme) Reader.
Gale, E. F., Sc.D. Joh.
(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.
Bailey, K., Ph.D. Trin.
Asst. Dir. of Res.

Demonstrators

Harrison, K. P., M.A. King's.
McQuillen, K., M.A., Ph.D. Emm.
Mitchell, P. D., B.A., Ph.D. Jes.
Watchorn, Elsie, Ph.D. Newn.
Northcote, D. H., M.A. Down.

Biology

Wigglesworth, V. B., C.B.E., M.D.
Cai., F.R.S. Quick Prof.
Tate, P., Ph.D., Sc.D. Chr. (Parasitol.)
Reader.
Hartree, E. F., M.A. Joh. (Cellular Biol.)
Asst. Dir. of Res.

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.
(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.).

Robertson, N. F., M.A. Trin.

Corner, E. J. H., M.A. Sid.

Garrett, S. D., Sc.D. Magd.

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

Demonstrators

Coombe, D. E., M.A. Chr.
Sporne, K. R., M.A., Ph.D. Down.
Riches, J. P. R., M.A., Ph.D. Cla.
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.

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.
Lythgoe, B., M.A. King's.
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.
(Organic and Inorganic Chem.).
Asst. Dir. of Research.
Maddock, A. G., M.A. Cath.
(Radiochem.)
Asst. Dir. of Research.

Demonstrators

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

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

Chemistry, Physical

Norrish, R. G. W., B.A., Ph.D.,
 Sc.D. Emm., F.R.S., F.R.I.C.
 Prof.
 Bowden, F. P., 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.
 Tabor, D., Ph.D. Cai. (Friction and
 Lubrication)
 Asst. Dir. of Research.

Demonstrators

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

Chemistry, Theoretical

..... 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.

Mynors, R. A. B., M.A. Oxon. and
 Pemb., F.B.A. (Lat.)

Kennedy Prof.

Sandbach, F. H., M.A. Trin.

Brereton Reader.

Griffith, G. T., M.A. Cai.

(Anc. Hist.) Laurence
 Reader.

..... 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.

Chadwick, J., M.A. Corp.

Asst. Lectr.

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.

Gutfreund, H., Ph.D. Frlzw.

Asst. in Res.

..... Asst. in Res.

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.

..... Reg. Prof.
Moule, Rev. C. F. D., M.A. Cla.

Lady Margaret's Prof.

Farmer, Rev. H. H., D.D. Glas., M.A. Jes. Norris-Hulse Prof.

Sykes, Rev. N., M.A. 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.

Burnaby, Rev. H., M.A. Emm.

Burnaby, Rev. J., B.D. Trin.

Chadwick, Rev. H., M.A., Mus.B. Qu.

Chadwick, Rev. W. O., B.D. Trin. H.

Gardner-Smith, Rev. P., B.D. Jes.

Hart, Rev. H. St. J., M.A. Qu.

Heard, Rev. R. G., M.B.E., M.C., M.A. Pet.

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.

Wilkie, J. M., M.A., B.D. Edin., M.A. Trin.

Woods, Rev. G. F., M.A. Down.

Assistant Lecturer

Styler, Rev. G. M., M.A. Corp.

Economics and Politics

Robertson, D. H., C.M.G., M.A. Trin., F.B.A.

(Polit. Econ.) Prof.

Postan, M. M., M.Sc. Lond., M.A. Pet. (Econ. Hist.) Prof.

Robinson, E. A. G., C.M.G., O.B.E., M.A. Sid. (Econ.) Prof.

Kahn, R. F., C.B.E., M.A. King's (Econ.) Prof.

Robinson, Mrs. Joan V., M.A. Girton 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.

Guillebaud, C. W., C.B.E., M.A. Joh. Girdlers' Lectr.

Hagenbuch, W., M.A. Qu.

Henderson, R. F., M.A., Ph.D. Corp.

Holland, Mrs. Marjorie, Ph.D. Col., M.A. Girton.

Kaldor, N., B.Sc. Lond., 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.

Johnson, H. G., M.A. Jes.

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

Marris, R. L., M.A. King's.

Silberston, Z. A., M.A. Cath.

Econ., 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.

Verini, Eleanor M., M.A. Oxon. and Girton (also Dir. of Women Students).

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. Herb. Thompson Prof.

Engineering, v. infra

English, v. also Anglo-Saxon

Wiley, 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.

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.

Burton, Kathleen M. P., M.A. Girton.

Redpath, R. T. H., M.A., Ph.D. Trin.

Turner, D. L., M.A. King's.

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 Camb., D. de l'U. Bordeaux.

de Mourgues, Mme Odette M. H. L., Ph.D. Girton.

Fairlie, Alison A. B., Ph.D. Girton.

Ladbrough, R. W., M.A., Ph.D. Magd.

Leigh, R. A., B.A. Lond.

McFarlane, I. D., M.A. Cai.

Parmée, D., M.A. Qu.

Wallas, May G., M.A., Ph.D. Newn.

Assistant Lecturers

Kelly, R., B.A. Leeds, M.A. Trin. H.

Rickard, P., M.A. Oxon.

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. 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.

Cooper, R. I. B., M.A., Ph.D. Trin.
Demr.

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

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.
Demonstrators

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

Paterson, J. H., M.A. Cath.

Sparks, B. W., M.A. Jes.

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.

Miller, T. G., M.A. Jes. Demr.

*Geophysics, v. Geodesy and
Geophysics*

German

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

Lecturers

Auty, R., M.A. 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.

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.

Crawley, C. W., M.A. Trin. H.

Evennett, H. O., M.A. Trin.

Fisher, D. J. V., M.A. Jes.

Grierson, P., M.A. Cai.

Hinsley, F. H., M.A. Joh.

Kitson Clark, G. S. R., M.A.
Trin.

Laffan, R. G. D., M.A. Oxon. &
Qu.

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

- Dickinson, Rev. J. C., M.A. Pemb.
 Elton, G. R., M.A. Cla.
 Gallagher, J., M.A. Trin. (Colonial
 Studies).
 Hall, A. R., M.A., Ph.D. Chr.
 (H. of Science).
 Hibbert, A. B., M.A. King's.
 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

- Craven, A. O. Pitt Prof. 1952-53.

History, Eccl., v. Div.*History, Econ.*

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

History, Imperial and Naval

- Rich, E. E., M.A. Cath.
 Vere Harmsworth Prof.

History, Mediæval

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

Hygiene, v. Med.*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.

- Limentani, U., M.A. Corp. Lectr.
 Brand, C. P., M.A., Ph.D.
 Asst. Lectr.

Japanese, v. Oriental Langs.*Latin, Mediæval*

- Brittain, F., Litt.D. Jes. Lectr.
Law, v. *infra*
Logic, v. Philos.

Mathematical Laboratory

- Wilkes, M. V., M.A., Ph.D. Joh.
 Dir.
 Miller, J. C. P., M.A., Ph.D. Trin.
 Asst. Dir. of Res.
 Gill, S., M.A. Joh. Asst. in Res.
 Mutch, E. N., B.Sc. Lond., M.A.
 Asst. in Res.

Mathematics, v. also Physics

- Dirac, P. A. M., Ph.D. Joh., F.R.S.
 Lucasian Prof.
 Mordell, L. J., M.A. Joh., F.R.S.
 (Pure M.) Sadleirian Prof.
 Besicovitch, A. S., D.Sc. Lond.,
 M.A. Trin., F.R.S.
 Rouse Ball Prof.
 Hall, P., M.A. King's, F.R.S.
 (Algebra) Reader.

Lecturers

- Anscombe, F. J., M.A. Trin.
 Babbage, D. W., 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.
 Cartwright, Mary L., Sc.D. Girton,
 F.R.S.
 Cassels, J. W. S., Ph.D. Trin.
 Daniels, H. E., M.A. Cla.
 Grimshaw, Margaret E., M.A.
 Newn.
 Hamilton, J., Ph.D. Manc., M.A.
 Chr.
 Hoyle, F., M.A. Joh.
 Ingham, A. E., M.A. King's,
 F.R.S. Cayley Lectr.

Stokes Lectr.

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Proudman, I., Ph.D. Trin.

Demr.

Prof.

Lectr. and Curator.

Prof.

Laurence Prof.

Philos., Moral, v. also Psychol.

Broad, C. D., Litt.D. Trin., F.B.A.
Knightbridge Prof.

Braithwaite, R. B., M.A. King's
Sidgwick Lectr.

Ewing, A. C., Litt.D. Trin. H.
Lectr.

Leury, C., M.A., Ph.D. Trin.
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.

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

(Exper. P.) Cavendish
Prof.

Hartree, D. R., M.A., Ph.D. Chr.,
F.R.S.

(Math. P.) J. H. Plummer
Prof.

Taylor, W. H., M.A. Trin.
(Crystallog.) Reader.

Ratcliffe, J. A., O.B.E., M.A. Sid.,
F.R.S. Reader.

Shire, E. S., M.A. King'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. Down.
Cosslett, V. E., M.A. Oxon., Ph.D.
Brist., M.A. 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.).

Shoenberg, D., B.A., Ph.D. Trin.

Temperley, H. N. V., M.A. King's.

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

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

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

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

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

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

Gold, T., M.A. Trin.

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.

Falloon, S. W. H. W., B.A. Qu.
(Radiophysics) Asst. in Res.

Physiology, v. also Agric.

Matthews, Sir B. H. C., C.B.E.,
Sc.D. King's, F.R.S. Prof.

Readers

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

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

Lecturers

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.).

Tunncliffe, 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.

Keynes, R. D., M.A., Ph.D. Trin.

Demr.

Polish

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

Political Economy, v. Econ.*Political Science*

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

Portuguese

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

Provençal

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

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

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.

Psychology, Industrial

Farmer, E., M.A. Trin. Reader.
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.

Semitic Epigraphy, v. Oriental
Langs.*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.

Assistant Lecturers

Andreyev, N., Ph.D. Prague, M.A.
Squire, P. S., M.A. Chr.

Lector

Plushkoff, A.

Soil Physics, v. Agric.*Spanish*

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

Lecturers

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

Bullock, T. W. I., M.A. Qu.
Grant, Mrs. Helen F., M.A. Girton.
Macdonald, Inez I., M.A., Ph.D.
Newn.

Milburn, A. R., M.A. King's.
Batista i Roca, J. M. Asst. Lectr.

Statistics

Wishart, J., M.A. Cla. and Edin.,
D.Sc. Lond. Reader.
Mallett, Sheila Y., B.Com. Leeds,
M.A. Asst. in Res.

Swedish

Mortensen, Brita M. E., M.A.
Newn. Lectr.

Theology, v. Divinity*Tibetan*, v. Oriental Langs.*Veterinary Medicine*, v. Veter-
inary 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.

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.

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.
 Evans, R. E., Ph.D. Cai.
 Halnan, E. T., M.A. Trin.

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

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

Demonstrators

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

Engineering

Baker, J. F., O.B.E., D.Sc. Wales,
Sc.D. Cla.

(Mechanical Sciences)
Prof. and Hd. of Dept.
of Engin.

Hawthorne, W. R., M.A. Trin.
(Appl. Thermodyn.)

Hopkinson and I.C.I.
Prof.

Moullin, E. B., Sc.D. King's
(Elect. Engin.) Prof.

Reader

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

Lecturers

Angus, R. H., M.A. Sid.
Binnie, A. M., M.A. Trin.
Brookes, A. M. P., M.A. Joh.
Brooks, J. H., M.A. Cath. (also
Supt. of Engin. Workshops).
Browne, A. D., M.A. Qu.
Caldecote, Visct., D.S.C., M.A.
King's.

Cooper, B., M.A. Cla.
Cosens, C. R. G., M.A. King's.
Davies, R. D., M.A., Ph.D. Chr.
Deakin, C. S., M.A. Qu.
Dykes, P. de K., M.A. King's.
Fox, E. N., M.A. Trin.
Frankl, E. K., M.A. Trin. H.
Haywood, R. W., M.A. Fitzw.
Johnson, D. C., M.A. King's.
Lubbock, R., M.A. Pet.
Marples, D. L., M.A. Trin. H.
Middleton, G. E., M.A. Down.
Oatley, C. W., M.A. Trin.

Percival, A. L., M.A. Jes.
MacLellan, G. D. S., M.A., Ph.D.
Pemb.

Macmillan, R. H., M.A. Emm.
Neal, B. G., M.A., Ph.D. Trin. H.
Phear, H. W., M.A. Cai.
Rhoden, H. G., M.A. Joh.
Roscoe, K. H., M.C., M.A. Emm.
Sander, K. F., M.A. Trin.
Shaw, J. C. S., M.A. Corp.
Sterland, E. G., M.A. Chr.
Weck, R., Ph.D. Cla.
Womersley, W. D., M.A. Emm.
Woodward, W. E., M.A. Trin.
Yates, J. G., M.A. Joh.
Horne, M. R., M.A., Ph.D. Joh.
Asst. Dir. of Research.

Demonstrators

Bentley, K., M.A. Cath.
Parkes, E. W., M.A., Ph.D. Joh.
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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 Thuniversityes*, the incorporation of the Univ. and all privileges then held under Charter or by prescription were confirmed.

The legislative and executive authority of the Univ. is vested in the REGENT HOUSE, which consists of those members of the Senate who are engaged in the teaching and administrative work of the Univ. Certain formal functions, and a right of appeal from the Regent House, are reserved to the Senate, which consists of Doctors, Masters and B.D.s.

Changes of statute can be made by the Univ. with the approval of the Privy Council.

Many executive duties, and the duty of sanctioning the submission of resolutions (called *Graces*) to the Regent House and the Senate, are entrusted to the *Council of the Senate*, which is elected by the Regent House.

The titular presiding officer at a Congregation, and the Chairman of the Council, is the Chancellor, who is by custom a non-resident distinguished in public life. His duties are in fact performed by the Vice-Chancellor, who is a Head of a College, appointed annually, in theory by the Regent House, in practice by the Council. It is customary for the Vice-Chancellorship not to be held for more than two years in succession by one person.

There are numerous *Boards* and *Syndicates* for dealing with the various branches of University business: the most important of them are the *General Board of the Faculties*, whose duty it is to advise the Univ. as to educational policy and to supervise and co-ordinate the work of the Faculties, and the *Financial Board*, whose duty it is to supervise the financial affairs of the Univ.

There are twenty Faculties: a Faculty being a body of persons furthering the study of a subject or group of subjects. The organization of teaching, research and examinations in the various subjects is in the hands of the several Faculty Boards, subject to the control of the General Board. A Faculty Board is in part composed of members elected by the Faculty. Some of the Faculties are divided into Departments, each under a Head, generally a Professor, who is responsible under the Faculty Board for its management. There are also some Departments independent of any Faculty.

The INCOME of the Univ. is derived from the endowments of specific posts, from general endowment (though to a small extent only), from the fees of students, from the statutable contributions of Colls. and from a Treasury Grant.

DISCIPLINE outside the walls of the Colls. is maintained by the Proctors.

The COLLEGES (18 for men, 2 for women) are self-governing corporate bodies distinct from the Univ., owning and managing their separate property. Their powers are, however, limited by their statutes, which cannot be altered by them without notice to the Univ. and approval by the Privy Council. The functions of the Colls. in regard to students are to provide lodging, corporate life and personal tuition, while the function of the Univ. is to provide public instruction by means of lectures and demonstrations, examinations leading to degrees and facilities for research. The affairs of the Colls. are, however, closely interwoven with those of the Univ. Most of the Fellows of Colls. are Univ. officers. Each Coll. is required by statute to contribute a certain fraction of its income to the funds of the Univ., the scale of contribution being graduated according to the College revenues.

The Colls. also maintain Fellowships for the furtherance of research, and a large number of Scholarships. The title of scholar is awarded on purely intellectual grounds, but no Coll. emolument other than an allowance for rooms is paid to an undergraduate scholar unless he satisfies the Coll. that his circumstances justify the payment.

NON-COLLEGIATE STUDENTS reside in licensed lodgings or in "Houses" recognized by the Non-Collegiate Students' Board. Such students by becoming members of Fitzwilliam House obtain opportunities for taking part in communal life (dining in Hall, belonging to athletic clubs, etc.) similar to those enjoyed by members of Colleges.

ADMISSION. See Appendix I.

THE ADVISER TO OVERSEAS CANDIDATES FOR ADMISSION (N. S. Wilson, M.A. Pemb.), whose office address is 1A Rose Cresc., Cambridge, is prepared to correspond with applicants for admission (other than candidates for admission to courses of research) resident outside the U.K., and with Government Depts. and other agents acting on their behalf.

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 Registry.

INCORPORATION. Members of the Univs. of Oxford and Dublin (Trinity Coll.) may, under certain conditions, be allowed to "incorporate," *i.e.* be admitted to the status and degree in Cambridge which corresponds to that which they held in Oxford or Dublin.

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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) : 1952-53—Oct. 7 to Dec. 5 ; Jan. 13 to Mar. 13 ; Apr. 17 to June 8.

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ARTS. The qualifications for the B.A. are : (i) 9 terms' residence ; (ii) passing or being exempted from the *Previous Examn.* ; (iii) passing the examns. for the Ordinary Degree or a Tripos examn. or examns.

Exemption from (i) to the extent of 3 terms can be obtained by students entitled to the privileges of *affiliation* (v. 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 honrs. 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 honrs. in one or more (according to the regns.) of the following Triposes : Archæological and Anthropological, Chem. Engin., Classical, Economics, English, Geog., Hist., Law, Maths., Mech. Sci., Mod. and Med. Langs., Moral Sci., Music, Nat. Sci., Oriental Langs., Theol.

A Bachelor may be admitted Master of Arts at the end of 6 yrs. from the end of his 1st term, provided that not less than 2 yrs. have elapsed from his admission as B.A.

DIVINITY. A graduate may proceed to the B.D. when he is of not less than 5 yrs.' standing from his first degree, by submitting an original dis-

sertation or published work. A B.D. of 3 yrs.' standing may proceed to the D.D. by submitting published works or a printed dissertation.

LAW. To qualify for the LL.B. it is necessary to pass the LL.B. examn. after having kept 9 terms and reached hon. standard in the Law Tripos, or taken the degree of B.A. and qualified for practice as a barrister or solicitor in England or Ireland, or as an advocate or law agent in Scotland. (For an Affiliated Student these requirements may be modified.) An LL.B. of not less than 2 yrs.' standing may be admitted to the Degree of LL.M. by dissertation. Any graduate may be admitted LL.D., not less than 8 yrs. after admission to his 1st degree, if he has published one or more original contributions, approved for the purpose, to the advancement of the science or study of Law.

MEDICINE. The qualifications for the M.B. and B.Chir. are : (i) 9 terms' residence ; (ii) passing (or exemption from) the *Previous Examn.* ; (iii) at least 5 yrs.' Med. study ; (iv) passing in due order several examns. (of which one must be a Tripos examn.). Admission to certain examns. is conditional on proof of diligent attendance on prescribed courses of lectures and practical work. Admission to the Final M.B. is conditional on proof of 5 yrs.' Med. study, of which 2 yrs. 9 mos. must have been spent in hospl. practice, and diligent attendance on prescribed courses of instruction and practical work. A person who has graduated M.B., B.Chir. may be admitted M.D. on submission of a thesis or dissertation when 8 yrs. have elapsed since admission to his first degree. A person who has graduated M.B., B.Chir. may be a candidate for the M.Chir. Degree Examn. when 2 yrs. have elapsed since passing the Final M.B. Examn.

MUSIC. The qualifications for the Mus.B. include (i) 9 terms' residence ; (ii) passing (or exemption from) the *Previous Examn.* ; (iii) passing two sections of the Mus.B. Examn. after reaching the honours standard in a part of the Music Tripos. The Mus.M. (by examn.) may be taken by Mus.B.s of at least 3 yrs.' standing.

Graduates of not less than 8 yrs.' standing from admission to their 1st degree who have given proof of distinction in musical composition may be candidates for the Mus.D.

The Ph.D., v. *infra* Research Students.

The Sc.D. and Litt.D. Either degree is open to a graduate of the University of not less than 8 yrs.' standing from admission to his 1st degree. These degrees are granted in consideration of published original contributions to the advancement of Science or Learning.

DIPLOMAS. The Univ. grants Diplomas in Agric., Agric. Sc., Anthropol., Archit., Class. Archæol., Comparative Legal Studies, Internat. Law, Economics, Education, Estate Management, Prehistoric Archæol., Mathematical Statistics and Oriental Langs., the diplomas in Anthropol., Prehistoric Archæol. and Orient. Langs. being open to non-members in certain exceptional circumstances. *Certificates* of competent knowledge of certain modern langs., open to members of the Univ. only, are awarded.

The Diploma in Anthropology may be obtained after residence for one term only by Officers of any of the Public Services of the Empire, not ordinarily resident in the British Isles, having exceptional qualifications, or by Missionaries who have served abroad.

The Diploma in Prehistoric Archæology may be obtained, after instruction in Cambridge during an academical year, by persons approved in virtue of archæological experience in the field or of other qualifications.

The Course of MILITARY STUDIES arranged by the Univ. Board of Milit. Studies is for the time being in abeyance. The Air Squadron and the Training Corps (T.A.) continue to operate. Regular Commissions in the Army and R.A.F. are now granted direct to graduates. Sec., L. M. Harvey, M.A., Univ. Registry.

The DEPARTMENT OF EDUCATION (Prof. of Educn.—G. R. Owst, Litt.D. Emm.; Director of Women Students—Eleanor M. Verini, M.A. Oxon. and Girton; Sec. of the Dept.—A. G. Hunt, M.A. Pet.), 17 Brookside, Cambridge (Telephone: Cambridge 4357), is under the general control of the Education Syndicate. 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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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 exhibns. 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 exhibns.; 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, 1953.

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," *supra*) is responsible for all matters concerning employment suitable to members of the University. *Address*: 6 Chaucer Rd., Cambridge. *Telegrams*: Appointments, Cambridge. *Telephone*: 54242/3.

CAMBRIDGE UNIVERSITY WOMEN'S APPOINTMENTS BOARD, 6 Chaucer Road, Cambridge (*Telephone*: Cambridge 2629). Interviews by appointment only.

The UNIVERSITY LIBRARY contains over 1,500,000 vols., including many early printed books, and over 10,000 MSS. and 250,000 maps. It is entitled under the Copyright Act to a copy of every book published in Gt. Britain and Ireland, and a large number of foreign books and periodicals are acquired by purchase. It contains, amongst others, the following remarkable collections: Acton library (mediæval, ecclesiastical and modern history, 60,000 vols.); W. G. Aston's Japanese library; Sir T. Wade's Chinese books; J. W. Clark collection (Cambridge books, pamphlets, papers, etc.). The annual budget is about £65,000. In addition there are Departmental Libraries, some of considerable importance.

Each College has a library. Among special collections in College libraries are: in Christ's College the Robertson Smith collection of Oriental books, many of which are connected with Semitic literature; in Gonville and Caius College 800 MSS., 60 incunabula, heraldic collections of Dr. John Knight (17th cent.), 1300 books and controversial pamphlets of Dr. Wm. Branthwaite (d. 1619), Norfolk and Suffolk topographical and genealogical works; in Girton College small collections of Oriental books, chiefly Sanskrit (Cowell) and Hebrew (Frere—printed catalogue), and Botany books and pamphlets (Ethel Sargent).

MUSEUMS. (a) Art and Archæology.

The Fitzwilliam Museum (Director—C. Winter, M.A. Trin.), Trumpington St., Cambridge (*Telephone*: Cambridge 4023), contains a large and valuable collection of paintings, drawings, engravings, Egyptian and Greek antiquities, ceramics, coins, illustrated MSS., autographs, early printed books and music.

The Museum of Classical 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 cœlostast and spectrograph, Huggins telescopes, 3-foot reflector, etc.

THE OXFORD AND CAMBRIDGE SCHOOLS EXAMINATION BOARD, established 1873, examines or inspects and reports on the work of schools which provide education of the highest grade. It also holds yearly examns. and awards a General Certificate of Education which exempts the holder, under certain conditions, from Responsions and the Previous Examination, the 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. 9d.). Secs. : at Cambridge—A. E. E. McKenzie, M.A. Trin., 10 Trumpington St. (*Telephone* : Cambridge 4658) ; at Oxford—G. J. R. Potter, M.A., 74 High St. (*Telephone* : Oxford 3549).

THE 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—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. The Univ. Dept. of Educn. (2 Brookside, Cambridge. *Telephone*: Cambridge 56207) 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 book-sellers.

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.

Magazines (unofficial): The *Cambridge Review*, *Varsity* (undergraduate newspaper), the *Granta* from time to time.

CAMBRIDGE UNIVERSITY PRESS (for names of staff see "Administrative and other Staff," *supra*), Trumpington St., Cambridge (*Telephone*: Cambridge 4226); Bentley House, 200 Euston Rd., London, N.W.1 (*Telephone*: Euston 5451); 32 East 57th Street, New York, 22, U.S.A. *Telephone*: MU-8-8888.

THE YEAR 1950-51

BENEFACTIONS. Benefactions recd. from T. W. Bacon, Sir George Binney, British Electrical and Allied Manufacturers' Asscn. (endowment of Chair of Electr. Engin.), R. G. Bury, Mrs. Cowper Reed, Mrs. W. D. Dickson, English Electric Co. Ltd., and others (Water-turbine jet), F. W. Green, May and Baker Ltd. (£800 for Res. in Radiotherapeutics), National Coal Bd. (£500 for res. on psychological effects of heat stress), Nuffield Foundation (£49,340 for various res. projects), Rockefeller Foundation (\$106,800 for various projects), Rolls-Royce Ltd. (Merlin 46 Supercharger), and Dr. C. M. Stevenson.

NEW BUILDINGS. A second large addition to the Engin. Lab. is in course of erection, and work upon the Vet. School continues.

CHANGES IN REGULATIONS. New regns. for the Natural Sciences Tripos have been approved.

RETIREMENTS. *Professors*: Prof. F. E. Adcock (Anc. Hist.), Prof. E. M. Butler (German), Prof. H. A. Harris (Anat.), Prof. F. S. Marsh (Div.), Prof. E. A. Walker (Imp. and Naval Hist.); *Readers*: L. B. Turner (Engin.), A. S. F. Gow (Classics); *Lecturers*: A. J. Berry (Org. and Inorg. Chem.), D. E. S. Pettoello (Italian), C. T. Seltman (Classics), W. Telfer (Div.).

RESIGNATIONS. *Professors* : Dr. E. D. Adrian (Physiol.), apptd. by the Crown to Mastership of Trinity Coll. ; F. C. Green (French), apptd. Prof. of French, Edin. U. ; A. W. Lawrence (Classical Archæol.), apptd. Prof. at Univ. Coll. of Gold Coast ; *Readers* : J. Maskell (Plt. Physiol.), apptd. Prof. of Bot., Birm. U. ; C. S. Hanes (Plt. Biochem.), apptd. Prof. Tor. U. ; *Lecturers* : A. J. Beattie (Classics), apptd. Prof. of Greek, Edin., J. Davies (Anat.), apptd. Prof. of Anat., Iowa U., D. Daube (Law), apptd. Prof. of Law, Aberd. U., W. E. Burcham (Phys.), apptd. Prof. of Phys., Birm. U., R. F. E. W. Peel (Geog.), apptd. Prof. of Geog., Leeds U., R. A. Rankin (Maths.), apptd. Prof. of Pure Maths., Birm. U., I. T. Ramsey (Div.), apptd. Nolloth Prof. of Christian Religion, Oxford U., J. W. Roderick (Eng.), apptd. Challis Prof. of Civil Engin., Syd. U., H. Butler (Anat.), apptd. Reader in Anat., St. Bart.'s Hospl. Med. Coll., Lond. ; *Demonstrators* : M. Nicholson (Agr.), Miss M. E. Brown (Zool.), apptd. Lectr. in Zool., King's Coll., Lond., J. A. R. Miles (Spec. Path.).

DEATHS. Miss M. Alford (Hon. Fellow of Girton Coll.) ; Rev. J. Bethune Baker (Fellow of Pembroke Coll., Emer. Prof. of Div.) ; F.-M. Lord Birdwood (Hon. Fellow and formerly Master of Peterhouse) ; E. D. T. E. Breul (Trinity Coll.) ; R. G. Bury (Trinity Coll.) ; Rev. M. P. Charlesworth (President of St. John's Coll. and Laurence Reader in Anc. Hist.) ; His Grace the Duke of Devonshire (of Trinity Coll., High Steward of the Univ.) ; G. S. Graham-Smith (of Pembroke Coll., Emer. Reader of Prev. Med.) ; Miss N. C. Jolliffe (Fellow of Girton Coll. and Univ. Lectr. in Classics) ; Miss E. H. Major, (Hon. Fellow and formerly Mistress of Girton Coll.) ; H. Y. Oldham (of King's Coll., formerly Reader in Geog.) ; F. B. Smith (Hon. Fellow and former Fellow and Bursar of Downing Coll., sometime Reader in Estate Management) ; H. Tomlinson (of Christ's and Clare Colls., Univ. Lectr. in Fac. of Fine Arts) ; R. A. Williams (formerly Fellow of St. Catharine's Coll., Emer. Prof. of German) ; L. Wittgenstein (formerly Fellow of Trinity Coll. and Prof. of Philos.) ; G. U. Yule (Fellow of St. John's Coll., formerly Reader in Statistics).

HONORARY DEGREES. *D.D.*—T. W. Manson, Prof. of Biblical Criticism and Exegesis, Manc. U. *LL.D.*—H.R.H. The Princess Royal ; The Rt. Hon. W. J. Jordan, High Commissioner for New Zealand in the U.K. ; General Omar Bradley ; Lord Morton ; Lord Hives ; Sir W. J. Haley, Director-General of the B.B.C. ; Sir J. A. Scott-Watson ; The Rt. Hon. Tom Williams, M.P. ; Lt.-Col. H. J. Cator, Pres. of Royal Agricultural Soc. of England ; A. J. Hosier. *Sc.D.*—Prof. A. M. Van Den Berck, Dir. of Exper. Psychological Lab., Louvain U. ; Sir John Stopford, Vice-Chancellor, Manc. U. *Litt.D.*—Dame Edith Evans ; Miss Rose Macaulay ; P. Simpson. *M.A.*—Miss M. Pate ; W. L. Briggs, Chairman of the Justices for City of Cambridge.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	7182
Women	—	709
Total	—	7891

Included in the number of full-time students are 1202 postgraduate students and 2381 first-year students reading for first degrees, etc.

DEGREES. B.A., 1531 ; M.A., 1417 ; B.D., 3 ; D.D., 1 ; LL.B., 94 ; M.Litt., 8 ; Litt.D., 2 ; M.B., B.Chir., 134 ; M.B., 2 ; M.Chir., 1 ; M.D., 48 ; Mus.B., 6 ; Ph.D., 156 ; M.Sc., 7 ; Sc.D., 7.

[Information compiled as at 16/5/52 ;
Staff list revised on 12/9/52.]

UNIVERSITY OF DURHAM*

Founded 1832

Postal Address (University Offices) :

46 North Bailey, Durham. *Telephone* : Durham 900-901.

23 St. Thomas' Street, Newcastle upon Tyne, 2. *Telephone* : Newcastle 21278.

(Correspondence should be addressed to the Durham office unless otherwise indicated.)

VISITOR—THE LORD BISHOP OF DURHAM.

CHANCELLOR—GEORGE MACAULAY TREVELYAN, O.M., C.B.E., M.A. 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—CHARLES ION CARR BOSANQUET, M.A. Oxon. and Camb., D.C.L.

PRO-VICE-CHANCELLOR—SIR JAMES DUFF, M.A. Camb., M.Ed. Manc., LL.D. Aberd., D.C.L.

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. 118.

King's College, Newcastle upon Tyne : *see* p. 124.

INSTITUTE OF EDUCATION

The Institute of Education 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 headquarters of the Inst. are at Kepier Terrace, Gilesgate, Durham (*Telephone* :

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

Durham 1380) and the Newcastle office is at 10 Leazes Terrace, Newcastle upon Tyne, 1 (*Telephone* : Newcastle 28604).

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AFFILIATED COLLEGES

A. Colleges in which students may matriculate, keep terms, and pass examns., and so qualify without coming to England for the B.A., M.A., B.D., D.D., B.C.L. and D.C.L. degrees :

CODRINGTON COLLEGE, Barbados, B.W.I. Trustees (under the will of Christopher Codrington, who died in 1710)—The Society for the Propagation of the Gospel ; Visitor—The Lord Bishop of Barbados ; Principal—Rev. C. A. Sayer, B.A. Tutors : Theol. and Philos.—Rev. B. N. Y. Vaughan, M.A. ; Classics—H. F. Boyce, M.A. ; Medicine—E. B. Carter, M.D., C.M.

FOURAH BAY COLLEGE, P.O. Box 87, Freetown, Sierra Leone, W. Africa. Founded in 1827 by the Church Missionary Society. In 1918 the Wesleyan Missionary Society became associated with the C.M.S. in the control of the 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.—..... ; 18 Tutors.

B. SUNDERLAND TECHNICAL COLLEGE, Sunderland, Durham (*Telephone* : Sunderland 4447). Founded in 1901. By the Durham University Act of 1908 this Coll. was to be affiliated in the Schools of Engin. and Electr. Engin. when the equipment and staff should be deemed adequate. The affiliation took place in 1930, and in 1931 certain members of the staff were accorded the status of " Recognized Teachers " in the Univ. The 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.

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, v. *infra*. Three colls. elsewhere are affiliated to it.

INCOME (1949-50). £631,339, including Treasury Grant allocated to the Divisions (Durham Division, £100,750; Newcastle Division, £466,273).

LIBRARIES. See under the Divisions.

FACULTIES AND DEANS. *Agriculture*, Prof. R. W. Wheldon; *Applied Science*, Prof. L. C. Burrill (Naval Archit.); *Arts*, Prof. E. Hughes (Hist.); *Econ. Studies*, E. D. McCallum (Econ.); *Education*, Prof. E. J. R. Eaglesham; *Law*, E. C. Ryder; *Medicine*, Prof. R. B. Green; *Music*, Prof. A. J. B. Hutchings; *Science*, Prof. D. H. Valentine (Bot.); *Theology*, Rev. W. A. Whitehouse.

ADMISSION. See Appendix I.

DEGREE COURSES. B.A., B.Sc. (in Sci. or Applied Sci.), B.Com., B.A. (Econ. Studies),* 3 yrs. (for Honours, 3 or 4 yrs.); a general Honours degree in Science is conferred; 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., 3 yrs. after registration as med. practitioner; D.Hy., 2 yrs. from B.Hy.; M.D.S., 2 yrs. from B.D.S. M.Sc., 2 yrs. from B.Sc.; D.Sc., 4 yrs. from M.Sc. or Ph.D., or 6 yrs. from B.Sc. D.Mus., 15 terms from B.Mus. M.Com., 2 yrs. from B.Com. LL.M., 2 yrs. from LL.B. or B.C.L. Ph.D., 2 yrs. from admission as candidate.

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., 3 yrs. under supervision; D.Ch., 3 yrs.' study, of which 1 yr. in Univ.; M.Sc., not less than 2 yrs.' advanced study or research under supervision; D.Mus., on 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. *Foreign Languages*—open to grads. of the Univ. in any Fac. except Music. *Arabic*—3 terms' course. *Architecture*—5 yrs.' course. *Town Planning*—Open to holders of a Cert. in Town Planning after 3 terms' course. *Landscape Design*—3 terms' course. *Public Health*—open to candidates who hold a Cert. in Public Health after an approved course. *Psychological Medicine*—open to candidates who have held a

* Replaced B.Com. as from Oct. 1952.

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). *Commerce*—2 yrs.' course. *Economic Studies*—2 yrs.' course.* *Public Administration*—2 yrs.' course. *Biblical Studies*—open to grads. of approved Univs. after 3 terms' course. *Anthropology*—open to grads. of approved Univs. after 2 yrs.' course.

CERTIFICATES. *Biblical Studies*—3 terms' course. *Social Studies*—2 yrs.' course. *Public Health*—open to candidates who have held a registrable med. qualific. for not less than 2 yrs. after 1 term's course.

FEES. Matricn., £2. Examns.: B.A., B.Arch., LL.B., B.Com., B.Sc., £7: 10s.; B.A. Fine Art, £6; M.B., B.S., £28; B.D.S., £18; M.A., M.S., £6; M.Litt., M.Sc., M.Com., LL.M., M.Ed., £8; Ph.D., M.D., £10; D.D., D.Sc., D.C.L., D.Litt., D.Hy., D.Ch., £15; B.D., £13; B.C.L., M.D.S., £12; B.Mus., £10; D.Mus., £9.

Degrees—for initial degrees, £4 (B.Mus., £5); for Masters' Degrees, B.C.L., B.D., Ph.D., £5; for higher doctorates, £10 (D.Mus., £15).

For Tuition Fees, v. Durham Colleges and King's College.

The UNIVERSITY APPOINTMENTS BOARD 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 King's College, 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 MILITARY AND AIR FORMATIONS. The University Training Corps (T.A.) provides pre-service military training for students who have deferred their national service, and post-service military training for ex-service students who have part-time military obligations to discharge in the Territorial Army. Information from Adjutant, 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, or in the regular or auxiliary air forces of the Dominions. Information from Sec., Durham Univ. Air Squadron, 7 Windsor Crescent, Jesmond, Newcastle upon Tyne.

The Durham University Company W.R.A.C. provides training for women 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

* Replaced Dipl. in Commerce as from Oct. 1952.

forces. Information from C.O., W.R.A.C., 2 Lovaine Place, Newcastle upon Tyne, 2.

PUBLICATIONS. *Univ. Cal.* (Oct.), Vol. I.—Almanack, Statutes, Lists, etc.; Vol. II.—Regulations for Degrees: 7s. 6d. per vol.; *Durh. Univ. Journal* (oldest Univ. Mag. in England), once a term, 2s.; *Riddell Memorial Lectures* (Annual), 5s.

THE YEAR 1950-51

NEW DEPARTMENT. Prior's Kitchen in precincts of Durham Cathedral reconstructed by Dean and Chapter, with aid of funds from Pilgrim Trust, for use as repository for muniments and as a Univ. Dept. of Palæog. and Diplomatic; bldg. formally opened by Lord Macmillan on May 23, 1951. Opening ceremony preceded by a Congregation at which hon. degree of D.Litt. was conferred upon Sir Maurice Powicke.

PRINCIPAL CHANGES IN REGULATIONS. The Regulns. approved for new Cert. in Biblical Studies, intended primarily for students who propose to teach in schools, are similar to those for existing Dipl. in Biblical Studies, but candidates need not be graduates or include the Greek text of the New Testament, though they may include it as an optional subject. One-yr. postgrad. course leading to Dipl. in Landscape Design instituted by the Univ. at King's Coll.; it is open to candidates with approved Univ. or professional qualificns. in Town and Country Planning, Archit., Hortic. or For.

DEATHS. Dr. G. C. Richards (Prof. Greek and Classical Lit. at Durham, 1927-34; Prof. F. Smith (Educn., at Newcastle, 1926-33); Emer. Prof. G. Grey Turner (Surg., at Newcastle, 1927-35).

HONORARY DEGREES. *D.D.*—Rev. Canon A. M. Ramsey, Regius Prof. of Div., Camb. U. *D.C.L.*—Councillor A. C. Curry, ex-Lord Mayor of Newcastle upon Tyne; H. N. Spalding, Patron of Oriental Studies; Rev. Canon R. W. Stopford, Moderator, Council of Church of England Trg. Colls. *D.Sc.*—Sir Andrew M. Bryan, H.M. Chief Insp. of Mines, Ministry of Fuel and Power; C. J. Hawkes, Prof. of Engin., Newcastle, 1920-45; G. G. Simpson, Chairman, Division of Vertebrate Paleontol., American Museum of Natural Hist., New York. *D.Litt.*—D. H. Robertson, Prof. of Pol. Econ., Camb. U. *D.Hy.*—Sir John Charles, Chief Med. Officer, Ministry of Health. *M.Sc.*—J. W. Craggs, Chairman and Managing Dir., R. Bowran & Co., Ltd., for many yrs. Sec., and later Chairman, of local section of Soc. of Chem. Industry. *M.Ed.*—Sophie C. Bertie, Principal, Wynyard Hall Trg. Coll.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	289	3435
Women	54	814
Total	343	4249

Included in the above are 413 postgraduate students and 1306 new admissions.

DEGREES. B.Arch., 14; B.Sc. (Agric.), 27; M.Sc. (Agric.), 12; Ph.D. (Agric.), 1; B.Sc. (Applied), 144; M.Sc. (Applied), 9; Ph.D. (Applied), 4;

B.A., 341 ; M.A., 10 ; Ph.D., 3 ; M.Litt., 2 ; B.C.L., 3 ; B.Com., 57 ; B.D.S., 24 ; M.Ed., 4 ; LL.B., 18 ; M.B., B.S., 68 ; M.D., 4 ; B.Mus., 5 ; D.Mus., 2 ; B.Sc.,* 222 ; M.Sc.,* 9 ; D.Sc.,* 1 ; Ph.D.,* 15.

DIPLOMAS. Archit., 33 ; Biblical Studies, 1 ; Comm., 1 ; Educn., 198 ; Foreign Langs., 1 ; Landscape Des., 3 ; Pub. Admin., 13 ; Pub. Health, 3 ; Theol., 18 ; Town Planning, 6.

CERTIFICATES. Soc. Studies, 1.

LICENCES. Theol., 4 ; Dent. Surg., 24.

* Pure Science.

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Founded 1832

Postal Address (Offices of Warden, Treasurer and Secretary) :

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Telephone : Durham 300-301.

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LIBRARIAN—D. G. RAMAGE, M.A. Edin., F.L.A.

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F.S.A.

(A. and Roman Frontier
Studies) Reader.

Botany

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Camb., F.L.S.

Prof., Dean, Fac. of Sci.

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Wales.

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Foster, W. E., M.Sc., Ph.D.

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Paneth, F. A., Ph.D. Vienna,
F.R.S. Prof.

Christie, G. H., M.Sc., Ph.D. Sheff.
Sr. Lectr.

Lecturers

Gibby, C. W., M.Sc., Ph.D. Lond.,
F.R.I.C.

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Birm.

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chem.).

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

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(Radiochem.).

Gregory, J. E., B.Sc., Ph.D. Birm.
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Edin. (Gk.) Prof.

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B.Litt. Oxon. Pt.-time Lectr.

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Hubbard, J. H., B.A. Oxon.

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Weber, H. Lektor.

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Lond. Sr. Lectr.

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Manc.

Atkin, A. O. L., M.A., Ph.D. Camb.

Cohen, L., M.A. Camb.

Newns, W. F., B.Sc. Liv.
Res. Fellow.

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Lond., F.T.C.L. Prof., Dean.

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Oxon. Lectr.

Harman, R. A., B.Mus. Lectr.

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Oxon., F.S.A. (Egyptol.)

Reader.

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(Turkish) (on leave) Reader.

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(Arabic).

Rahman, F., M.A., D.Phil. Oxon.
(Persian).

Hill, R. L., M.A., B.Litt. Oxon.
(Nr. E. Hist.).

Wilson, J. V. K., B.A. Oxon.
(Assyriol.).

Dawson, R. S., M.A. Oxon.
(Chinese Phil.)

Spalding Lectr.
Foster, I. J. C., M.A., B.Sc.
(Mishnaic Hebrew)

Pt.-time Lectr.

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Lectr.

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Prof.

von Leyden, W., D.Phil. Florence
and Oxon. Lectr.

Harrison, J., B.A. Oxon. Lectr.
Thomson, R., M.A. Oxon.

Pt.-time Lectr.

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Oxon. Res. Fellow.

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D.Sc. Lond. Prof.

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Prowse, W. A., T.D., B.Sc., Ph.D.
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Caffyn, J. E., B.Sc. R'dg. Lectr.

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Lectr.

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Lond., F.B.Ps.S. Prof.

Graham, D., M.A., Ed.B. Glas.,
B.Sc.(Econ.) Lond. Lectr.

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(Pol. Theory and Institutions)

Prof.

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Vale, V., M.A. Camb. (Pol.) (on
leave).

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Lectr.

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* Training College under the Ministry of Educn. recognized as a Coll. of the Durham Division of the Univ.

† Training Colleges under the Ministry of Educn. licensed by the Council of the Durham Colls. as places of residence for students reading for degrees in the Durham Division of the Univ.

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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 (1949-50). £166,847.

LIBRARY. 100,000 volumes, 173 incunabula; including rare theological and patristic books.

OBSERVATORY. Erected in 1841; equipped for work in astron., meteorol. and seismol.; library includes valuable collection of periodicals and other publications on these subjects.

ADMISSION. *See* Appendix I.

FEES (including tuition, board and lodging and subscriptions). Univ., Hatfield, St. Chad's and St. John's, annual charges—caution money, £5; Arts, £175; Sci., £184. St. Mary's, annual charges—caution money, £5; Arts, £169; Sci., £178. The fees payable in the remaining Colls. vary with the means of the students. Students of St. Cuthbert's Soc. and students of St. Aidan's Soc. pay £45 in Arts and £54 in Sci., tuition fee. In addition all students pay £5 subscription to Sports Clubs and Societies.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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. 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 1950-51

NEW POSTS. Lectureships in Maths. (1), Zool. (1), Assyriol. (1), Persian Studies (1).

ADULT EDUCATION WORK. 88 Courses completed in the full session (59 tutorial classes and 29 sessional classes). There were also 5 Univ. Evening Courses, 39 Extension Lecture Courses, 2 Tutors' Conferences and a full session Tutors' Training Course. The subjects studied included Engl. Lit., 16; American Lit., 3; Foreign Lit., 6; Hist., 16; Internat. Affairs, 11; Religion, 11; Philos., 4; Psychol., 3; Econ., 10; Music, 2; Art, 3; Biol., 1; Geol., 1; Law, 1.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. H. C. Webster, Florida U., joined Durham Colls. for the session under Fulbright Scheme; Prof. J. G. Edwards, Lond., "The Continuity of English Parliamentary History"; Prof. H. Bobek, Vienna, "The Economic Situation of Austria in Central Europe To-day"; Prof. G. R. Owst, Camb., "Destructorium Viciorum"; Prof. Eleanor S. Duckett, Smith Coll., Mass., "Alcuin"; Prof. I. L. Foster, Oxon., "North Britain and Celtic Literature"; Rev. Prof. N. Sykes, Camb., "Bishop Butler in relation to the period of his age."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. L. Sells, Visiting Prof. at Indiana during whole session; A. J. M. Craig, Univs. in Nr. and Middle East during whole session; Prof. E. J. R. Eaglesham, Fourah Bay Coll.; W. W. Taylor, seconded to Fourah Bay Coll. for 1 yr. from June 1951.

RESIGNATIONS. Dr. K. F. Chackett (Radio-Chem.), apptd. to Birm. U.; Miss S. C. Errington (Geog.); D. H. Davies (Geog.), apptd. to Nott. U.; G. B. Kerferd (Classics), apptd. Sr. Lectr. in Lat. & Gk., Manc. U.; W. K. Lacey (Classics), apptd. Fellow of St. Catharine's Coll., Camb.; Dr. C. A. M. King (Geog.), apptd. to Nott. U.; E. A. Vincent (Mineral.), apptd. to Oxford U.; R. W. Durham (Radio-Chem.), apptd. to Tor. U.; J. M. Wilkie (Theol.), apptd. to Camb. U.

DEATH. J. H. B. Forster (Vice-Chairman of Council, 1937 to 1950).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	47	819
Women	5	247
Total	52	1066

Included in the above are 152 postgraduate students and 403 new admissions.

DEGREES AND DIPLOMAS. B.A., 185; M.A., 5; M.Litt., 1; B.C.L., 2; B.Sc. (Pure), 69; M.Sc. (Pure), 2; Ph.D. (Pure Sc.), 6; Dip. Educn., 82; Dip. Theol., 18.

KING'S COLLEGE, NEWCASTLE UPON TYNE

Founded 1937

Postal Address : Newcastle upon Tyne, 1.

Telephone : College—Newcastle upon Tyne 23401.

Medical School—Newcastle upon Tyne 21601.

CHAIRMAN OF COUNCIL—The Rt. Hon. THE VISCOUNT RIDLEY, C.B.E.,
D.C.L.

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D.C.L. (Vice-Chancellor of the University).

SUB-RECTOR—Prof. D. T. JACK, C.B.E., M.A. Glas., J.P.

DEAN OF MEDICINE—Prof. R. B. GREEN, M.B., B.S. Lond., M.A.,
D.C.L., F.R.C.S.

REGISTRAR—G. R. HANSON, B.A.

BURSAR—J. TELFER, M.Com.

LIBRARIAN—W. S. MITCHELL, M.A. Edin., Ph.D. Aberd.

TEACHING STAFF

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.

Lectrs. in Evening Courses

Pinkney, W. P., Dip.Arch.

Cooper, D. W., B.Sc.(Eng.) Lond.

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.

Elliott, Eveline, B.Sc., Ph.D.

Demr.

Chemistry, v. also infra Agric.

Clemo, G. R., Ph.D., D.Sc. Lond.,
D.Phil. Oxon., F.R.S., F.C.S.,
F.R.I.C. (Org. C.)

Prof. and Dir. of Dept.

Wynne-Jones, W. F. K., B.Sc.
Oxon., D.Sc. Wales (Phys. C.)

Prof. 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.,
F.R.I.C., A.R.C.S., D.I.C.

Aynsley, Rev. E. E., M.Sc., Ph.D.,
F.R.I.C.

Harris, J. O., B.Sc., Ph.D. Lond.

Swan, G. A., B.Sc., Ph.D., F.R.I.C.

Bishop, E., B.Sc. Glas., F.C.S.

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.

Classics and Ancient History

Fletcher, G. B. A., M.A. Camb.
(Classics) Prof.

Richmond, I. A., M.A. Oxon.,
LL.D. Edin., F.B.A., F.S.A.

(Roman-Brit. Archæol.)

Prof.

Hudson-Williams, H. L., B.A.
Wales, M.A. Camb.

(Gk.) Reader.

Lecturers

Anderton, Mrs. Constance M.,
M.A.

Whittick, G. C., M.A. Oxon.

Sims, B. J., M.A. Camb.

Ferguson, J., M.A. Camb., B.D.
Lond.

Crossland, R. A., M.A. Camb. and
Yale (Anc. Hist.).

Gillam, J. P., M.A.

Coke Research

Blayden, H. E., B.Sc. Lond.,
F.R.I.C. Asst. Dir. of Lab.

Marsh, H., B.Sc., Ph.D.

Asst. Chemist.

Research Assistants

Mitchell, Agnes G., B.Sc. St. And.

Lind, R., B.Sc. St. And.

Beck, W. H., B.Sc. St. And.

Curtis, G. C., M.A., Ph.D. Camb.

Briggs, G. W. D., B.Sc., Ph.D.

Fleischmann, M., B.Sc., Ph.D.
Lond., A.R.C.S.

Demonstrators

Duxbury, F. K., B.Sc., Ph.D.

Clarke, J. C., B.Sc.

Departmental Assistant

Smith, J. H.

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, v. also Accounting

Jack, D. T., C.B.E., M.A. Glas.,
J.P. D. Dale Prof.

McCallum, E. D., M.A. Glas.

(Indust. Orgn.) Reader,
Dean, Fac. of Econ.
Studies.

Lecturers

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Braithwaite, Constance, B.Sc.
(Econ.), Ph.D. Lond.
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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).

Education

Tuck, J. P., M.A. Camb. Prof.

Lecturers

Brown, V., O.B.E., T.D., M.Sc.
Ward, Irene J., B.Sc. Lond.
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Gilbert, M., M.A. Camb., B.A.,
B.Sc. (Econ.) Lond.
Eden, Alice, B.A. Liv. and Lond.
Dobson, J. L., M.A., M.Ed.
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Engineering, Civil

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M.S. Ill. Prof.

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Cohen, H., M.A. Camb.
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I.C.I. Fellow.

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J. Cowen Prof.

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de Grey, R. (Painting).

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Dudley, G. M. (Sculpture).

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Knox, S. R. I., B.A. Lond. (Hist. of Art).

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Hodgson, Louisa (Drawing).

French

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L. ès L. Paris Prof.

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Camb., L. ès L., D. d'Univ.
Poitiers.

Suckling, N. C., M.A. Oxon., B.A.
Lond.

Underwood, V. P., B.A., Ph.D.
Lond., D. ès L. Paris.

Dubois, Mrs. Elfriede T., M.A.
Birm.

Roubin, Lucienne Lectrice.

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Geography, v. also Anthropology

Daysh, G. H. J., B.Litt. Oxon.,
F.R.A.I. Prof.

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Manc.

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Mather, D. B., B.A. Lond.

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Ph.D., F.R.S., F.G.S. Prof.

Tomkeieff, S. J., D.Sc., F.G.S.
(Mineral.) Reader.

Lecturers

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Manc.

Raistrick, A., M.Sc., Ph.D. Leeds.

Shirley, J., D.Sc. Manc., F.G.S.

Randall, B. A. O., B.Sc.

Robson, D. A., M.Sc., F.G.S.

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D.Phil. Kiel Reader.

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McFarlane, J. W., M.A., B.Litt.
Oxon.

Furness, N. A., B.A.

Lectors

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Jensen, N. L. (Danish).

Masé, A. (German).

History, Ancient, v. Classics

History, Modern

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Prof.

Brown, J. M., M.A. Glas. (Politics)
Reader.

Lecturers

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F.R.Hist.S.

Taylor, Mrs. Joan M., B.A. Lond.

Brunton, D., B.A. Oxon.

Hughes, E. W., M.A., B.Litt.
Oxon. (Pol.).

Beckingsale, B. W., M.A. Camb.

Fawcett, Mrs. Elizabeth C. H.,
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Lectr. and Director of
Legal Studies, Dean.

Lecturers

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Johnson, E. L., M.A., LL.B. Camb.

Heath, E. J., M.A., B.C.L. Oxon.

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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

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Mitchell, K., B.A., Ph.D. Camb.
Bonsall, F. F., M.A. Oxon.
Goldie, A. W., M.A. Camb.
Wassermann, G. D., B.Sc., Ph.D.
Lond.
Weston, J. D., B.Sc., Ph.D. Lond.
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Harrop, R., M.A. Camb.
Chadwick, Mrs. Mary, B.Sc. Liv.
Craggs, J. W., B.Sc., Ph.D. Manc.
Wall, G. E., B.Sc., Ph.D.

Metallurgy

Preece, A., M.Sc. Wales, F.I.M.
William Cochrane Prof.
Ellwood, E. C., B.Sc., Ph.D. Lond.
Lectr.
Parkins, R. N., B.Sc. Lectr.
Gilchrist, J. D., B.Sc. Glas. Lectr.

Mining

Potts, E. L. J., M.Sc. Milburn Prof.
Jenkins, J. D., M.Sc. Wales

Reader.

Robinson, H. Y., M.Sc. Lectr.
Pearson, G. M., B.Sc. Lectr.
Bell, W. B., B.Sc. Lectr.

Music

Burns, C., M.A., Mus.B. Camb.,
Mus.Doc. Edin., F.R.A.M.
Lectr. and Dir. of Dept.
in Newcastle.

Lecturers

Hudson, F., D.Mus., F.R.C.O.
Barlow, D., B.A., Mus.B. Camb.

Naval Architecture

Burrill, L. C., M.Sc., Ph.D.
Prof. and Dir. of Res.,
Dean, Fac. of Appl. Sci.
Muckle, W., M.Sc. Lectr.
McLachlan, J. E. Lectr.
Baxter, B. N., B.Sc. Lectr.
Emerson, A., M.Sc.
Asst. Dir. of Res.

Lascarides, A. C., B.Sc. Bucharest
Res. Asst.

Robson, W., B.Sc. (Eng.) Lond.
Res. Asst.

Philosophy, Mental and Moral

Britton, K. W., M.A. Camb., A.M.
Harv. Prof.

Lecturers

Rainer, A. C. A., M.A. Edin.
Russell, D. C., B.A. Lond., A.M.
Harv. (Psychol.).
Midgley, G. C. J., M.A., B.Phil.
Oxon.

Physics

Curtis, W. E., D.Sc. Lond., D.I.C.,
F.I.P., F.R.S., F.R.A.S.
Prof., Dir. of Dept.
Rushbrooke, G. S., B.A., Ph.D.
Camb. (Theoretical P.) Prof.
Richardson, E. G., B.A., Ph.D.,
D.Sc. Lond. Reader.

Lecturers

Wood, J. F., M.Sc.
Darbyshire, O., M.Sc. Manc.,
F.I.P.
Roscoe, R., B.Sc., Ph.D. Lond.
Schneider, E. E., Dr.phil.nat.
Freiburg, F.I.P.
Littlefield, T. A., B.Sc., Ph.D.
Thorley, N., B.Sc., Ph.D. Leeds,
F.I.P.

Lawley, L. E., B.Sc. Wales, Ph.D.
Scoins, H. I., B.A. Oxon.

Res. Asst.

Blake, T. H. Res. Asst.
Bainbridge, W. Dept. Asst.

Physiology, v. Med. infra

Psychology, v. Philosophy

Spanish

Sarmiento, E., B.A., Ph.D. Lond.
Reader.

Lecturers

Blair, Mrs. Jessie M., M.A. Edin.
Reid, K. S., B.A. Durh. and Lond.
Taylor, A. L., B.A. Sheff.

Speech and Drama, v. Education

Surveying

Fryer, D. H., O.B.E., F.R.I.C.S.
Reader.

Town and Country Planning

Allen, J. S., B.Arch. Liv. Prof.

Lecturers

Hackett, B., M.A. (Landscape
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.

Charlesworth, J., LL.D. Lond.
(Town Planning Law).

Ogden, W. M., B.Sc. Manc.

O'Grady, S. C., M.C., B.A., B.A.I.
Dub.

Roberts, Mrs. Nora, B.Arch. Liv.

Rhodes, J.

Buckley, R. M.

Forsyth, A. R.

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.

Burt, 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.

Talbot, F. H., M.Sc. Cape T.

Demr.

Thompson, J. A., B.Sc.

Naturalist at Marine Lab.

Bossanyi, J., B.A. Oxon.

Asst. Naturalist.

Grigg, Ursula M., B.A. Camb.

Asst. Naturalist.

Cowan, Mrs. Dorothy

Librarian at Marine Lab.

Eden, Ellen, B.Sc. Res. Asst.

Onions, T. G., B.Sc. Sheff.

Res. Asst.

Agriculture and Rural Economy

Agriculture

Wheldon, R. W., D.Sc.

Dean, Prof. and Director
of Dept.

Pawson, H. C., M.B.E., M.Sc.

Prof. and Asst. Dir.

Hall, J. S., B.Sc. Lectr.

Mitchell, T. M. Lectr.

Blackett, G. A., M.Sc. Asst.

Ferguson, N. L., B.Sc. Res. Asst.

Agric. Bacteriology

Ranson, Mrs. Ruth E. A., B.Sc.

Lectr.

Agric. Botany

Jones, M., M.Sc. Wales Prof.

Clark, Mrs. Helena H., M.Sc. Lectr.

..... Lectr.

Williams, W., M.Sc. Wales Lectr.

Blackburn, F., B.Sc. Demr.

Agric. Chemistry

Thomas, B., M.Sc., F.R.I.C.

Reader and Asst. Direc-
tor.

Hunter, F., B.Sc. Lectr.

Thompson, A., M.Sc. Lectr.

Armstrong, D. G., M.Sc. Lectr.

Armstrong, R. H., M.Sc. Demr.

Bushnell, D. G., B.Sc. Demr.

Agric. Economics

Dinsdale, D. H., M.A., F.R.E.S.

Asst. Director.

Blake, J. G., B.A. Lectr.

Provincial Agric. Econ. Service

Dinsdale, D. H., M.A., F.R.E.S.

Prov. Agric. Econ.

Carpenter, E. M., M.A. Oxon.

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.

Agric. 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.

Lectr.

Willets, B. F., B.Sc. Birm., M.Sc.

Res. Asst.

Agric. Entomology

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

Lectr.

Agric. Management

Main, A., B.Sc.

Lectr.

Dental Surgery

Bradlaw, R., C.B.E., D.D.Sc.

Melb., M.D.S., F.R.C.S.,

F.D.S.R.C.S.

Dean and Director of

Dental Studies.

Boyes, J., F.R.C.S., F.D.S.R.C.S.

Sub-Dean.

Children's Dentistry

Hallett, G. E. M., F.D.S., H.D.D.

Prof.

D. Anæsthetics

Pask, E. A., O.B.E., M.A., M.D.,

B.Chir. Camb., D.A. Prof.

D. Electrotherapeutics

Chalmers, J., F.D.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.

Lectr.

Philpott, C. E., L.D.S.

Lectr.

D. Mechanics and Prosthetics

Tregarthen, G. G. T., M.D.S.,

F.D.S.

Prof.

Farrell, J. H., L.D.S.

Lectr.

D. Metallurgy and Materials

Farrell, J. H. (v. D. Mechs., *supra*)

Medical Jurisprudence

Stephenson, G. E., M.C., B.Sc.,

M.D., B.S.

Lectr.

Operative D. Surgery

Lovel, R. W., D.D.S. North-

western, F.D.S., H.D.D. Prof.

Allan, D. N., D.D.S., North-

western, B.D.S. Lectr.

Allan, Vera L., B.D.S.

Lectr.

Oral Anatomy

Tonge, C. H. (v. Anat.) Lectr.

Perrott, J. W. Lectr.

Oral Medicine

Boyes, J., F.R.C.S., F.D.S.

Nuffield Prof.

Oral Pathology

Bradlaw, R., C.B.E., D.D.Sc.

Melb., M.D.S., F.R.C.S.,

F.D.S.

Prof.

Simpson, H. E., B.D.S. Lectr.

Oral Physiology

Jenkins, G. N. (v. Physiol.) Lectr.

Oral Surgery, Minor

Smith, H. A., L.D.S. Lectr.

Orthodontics

Hallett, G. E. M. (v. Children's

Dentistry) Lectr.

Littlefield, W. H., B.D.S. Lectr.

Periodontal Diseases

Hopper, F. E., B.D.S., F.D.S.

Lectr.

Public Dentistry

Robinson, A. E., F.D.S. Lectr.

Radiology

Haswell, S. V., L.D.S. Edin. Lectr.

Throat, Nose and Ear, Diseases of

McGuckin, F., M.D., B.S., F.R.C.S.
Ed. Lectr.

Venereal Diseases

MacFarlane, W. V. (v. Ven. Dis.
infra) Lectr.

Clinical Teachers in
Newcastle upon Tyne Dental
Hospital

H. Davis, F.D.S.; S. V. Haswell,
L.D.S. Edin.; J. J. Long,
L.D.S. Glas.; J. E. Daniels,
L.D.S.; G. Johnson, L.D.S.;
G. E. Hutchinson, L.D.S.;
C. E. Shafto, B.D.S.;
J. Chalmers, F.D.S., J.P.;
H. A. Smith, L.D.S.; W. H.
Littlefield, B.D.S.

Medicine

Green, R. B., M.B., B.S. Lond.,
M.A., D.C.L., F.R.C.S. Dean.
Armstrong, C. N., M.D., B.S.,
B.Hy., D.P.H., F.R.C.P.
Clinical Sub-Dean.

Anæsthetics

Pask, E. A., O.B.E., M.A., M.D.,
B.Chir. Camb., F.F.A.R.C.S.,
D.A. Prof.
Robson, J. G., M.B., Ch.B. Glas.,
D.A. First Asst.
Davison, M. H. A., M.B.E., M.D.,
B.S., F.F.A.R.C.S., D.A.
Lectr.

Clinical Tutors

Ayre, T. P.
Murray, J. L., M.B., B.S.
Houston, Mrs. Winifred M., M.B.,
B.S.
Osselton, Mrs. Eleanor W., M.B.,
B.S.
Horton, J. A. G., M.B., B.S. Lond.,
D.A.
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., 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.

Demonstrators

Backhouse, K. M.
Robson, H. E., M.B., B.S.
Main, P. T., M.B., Ch.B. Aberd.
Ellis, F., M.B., B.S.

Bacteriology

Dunlop, E. M., M.C., M.D. Glas.,
M.A. Prof.

Lecturers

Emslie-Smith, A. H., M.B., Ch.B.
Aberd.
Emslie-Smith, Mrs. Muriel, M.Sc.
Miller, T. K., B.Sc., D.Th.P.T.
Green, C. A., M.D., Ch.B., Ph.D.,
D.P.H. Edin.
Porter, I. A., M.B., Ch.B. Glas.
Graham, G. S., 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. Reader.

Lecturers

Davison, G., M.D., B.S., D.C.H.
Miller, F. J. W., M.D., B.S., D.C.H.
Neligan, G. A., B.M., B.Ch. Oxon.
Walker, W., M.D., B.S.

Clinical Teachers

Davison, G., M.D., B.S., D.C.H.
Miller, F. J. W., M.D., B.S., D.C.H.
Ellis, E., M.A., M.B., B.Chir.
Camb., D.C.H. First Asst.

Registrars

Harris, L. C., M.D. Pret.
Jackson, R. H., M.C., B.A., B.M.,
B.Ch. Oxon.
Webb, J. K. G., M.A., B.M.,
B.Ch. Oxon.
Strang, L. B., M.B., B.S.
Cammock, Mrs. Ruth M., M.B.,
B.S. Lond., D.C.H.
Res. Asst.

*Dentistry, v. supra**Dermatology*

Thompson, S., M.D., B.S. Lectr.
Bolam, R. M., M.A., M.D., B.Chir.
Camb. Clin. Teacher.

Diseases of the Ear, Nose and Throat

McGuckin, F., M.D., B.S.,
F.R.C.S.Ed. Lectr.

Clinical Teachers

Black, J. I. M., M.D., M.S.,
F.R.C.S.

Registrars

Wood, P. H., B.Sc. Lond., F.R.C.S.
Killen, O. H., B.A., M.B., B.Ch.
Dub.

*Hygiene, v. Pub. Health**Industrial Health*

Browne, R. C., M.A., D.M. Oxon.
Nuffield Prof.

McCallum, R. I., M.D., B.S. Lond.
First Asst.

Campbell, H., B.A. Lond., F.S.S.
Statistical Asst.

Graham, Norah E., B.A., M.Sc.
Tor. Lectr.

Forsyth, Catherine M., D.S.S.
Glas. Social Asst.

Research Assistants

Wilkes, Ruth, B.A. Birm.
Steel, J., B.Sc.
Wiggans, Katherine C., M.A.

Medical Jurisprudence

Stephenson, G. E., M.C., B.Sc.,
M.D., B.S. Lectr.

Medicine, Principles and Practice

Nattrass, F. J., M.D., B.S.,
F.R.C.P. Prof.
Smart, G. A., B.Sc., M.D., F.R.C.P.
Reader.
Brewis, E. G., M.D., B.S., D.P.H.,
F.R.C.P. (Infect. Dis.) Lectr.
Kellett, C. E., M.A., M.D., B.Chir.
Camb., F.R.C.P. Lectr.

Clinical Teachers

Armstrong, C. N., M.D., B.S.,
B.Hy., D.P.H., F.R.C.P.
Ogilvie, A. G., M.D., B.S., F.R.C.P.
Ungley, C. C., M.D., B.S., F.R.C.P.
Boon, T. H., M.D., B.S.
Dewar, H. A., M.D., B.S.
Miller, H. G., M.D., B.S., D.P.M.
Richardson, G. O., M.D., B.Chir.
Camb.

Thompson, R. B., M.D., B.S.
First Asst.

Cox, E. V., B.Sc., M.B., B.S.
Res. Fellow

Owen, S. G., M.B., B.S.
Res. Fellow.

Walton, J. N., M.D., B.S.
Res. Asst.

Raine, Mrs. Laureen, B.Sc.

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.

Clinical Teachers

Arthur, H. R., M.B., B.S., F.R.C.S.

Kerslake, Dorothy M.

Hunter, W., M.D., B.S.,
F.R.C.O.G.

First Assistants

Russell, J. K., M.B., Ch.B. Aberd.

Doberman, H., M.B., B.S.

Ophthalmology

Ingram, H. V., O.B.E., T.D., M.B.,
B.S., D.O.M.S. Lectr.

Clinical Teachers

Arkle, J. S., O.B.E., M.B., B.S.,
F.R.C.S. Eng. and Ed.

Lake, L. H., M.B., B.S., D.O.M.S.

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.

Trounson, E. W. N., M.B., Ch.B.
Glas.

Hart-Mercer, J., M.B., Ch.B. Edin.

Latner, A. L., M.Sc. Lond., M.D.,
Ch.B. Liv., D.I.C., A.R.C.S.

(Chem. P.).

Demonstrators

Evers, H. H. (v. Midw.), (Gynæc.
Path.).

Storring, F. K., M.D. Kiel., M.B.,
B.S.

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.

Tweedy, P. S., M.D., B.S. Lond.

McQueen, A., M.B., Ch.B. Glas.

Williams, G., M.B., Ch.B. St. And.

Harrison, Anne H., M.B., B.S.

Sharp, A. A., B.Sc., M.B., Ch.B.
Edin.

Pharmacology

Foggan, D. Lectr.

Photography

Duncan, C. J., M.A. Camb. Dir.

Ridley, R. W. Dept. Asst.

Physiology

Harper, A. A., M.A., M.D., Ch.B.
Aberd. Prof.

Lecturers

Saunders, J. A., M.Sc., Ph.D.
(Biochem.).

Jenkins, G. N., M.Sc. Liv., Ph.D.
Camb.

(Nuffield Lectr. to Dental
Students).

Forster, Margaret G., M.A., B.Sc.
Aberd., 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., B.Chir.
Camb., D.C.H.

Catton, W. T., M.Sc. Sheff.

Lake, H. J., M.Sc., Ph.D. Birm.
(Biochem.).

Wynne, N. A., M.B., B.S.

.....

Schofield, B., M.A., M.B., B.Chir.
Camb.

Armstrong, Phyllis A., M.B., B.S.
Demr.

Dowse, C. M., B.Sc. Lond.

Res. Asst.

Psychological Medicine

Kennedy, A., M.D., B.S. Lond.,
D.P.M., F.R.C.P. Prof.

Lecturers

Orton, R., M.D., Ch.B. Leeds,
D.P.M.

Garside, R. F., B.Sc. Lond.

Liggett, J., B.Sc.

Miller, H. G., M.D., B.S., D.P.M.

Clinical Teachers

Bamford, C. B., M.D., Ch.B. Liv.,
D.P.M.

Cuthbert, T. M., D.P.M.

Murray, J. R., M.D., B.S. Lond.,
D.P.M.

Child, J. P., M.A., B.M., B.Ch.
Oxon., D.P.M.

Cowen, J., M.B., Ch.B. Edin.,
D.P.M.

Kiloh, L. G., M.D., B.Sc. Lond.,
D.P.M. First Asst.

Kevend, Hedda, M.A.

Soc. Worker.

Middleton, Jean G., M.A. Edin.

Soc. Worker.

Registrars

Stanton, J. B., M.A. Oxon., M.B.

MacLean, Mary C., M.B., B.S.,
D.P.H., D.P.M.

Fish, F. J., M.B., B.S. Lond.

Raine, D. N., B.Sc., Ph.D.

Res. Fellow.

Osselton, J. W., B.Sc. Res. Asst.

Farrall, Joan, B.Sc. Res. Asst.

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.).

Patterson, W. G., M.D., Ch.B.
Edin. (Hospl. Admin.).

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

Bentley, F. H., O.B.E., B.Sc.,
M.D., Ch.B. Manc., F.R.C.S.

Prof.

Lecturers

Hodgson, N., M.B., M.S., F.R.C.S.
Eng. and Ed.

Mason, G. A., M.B., B.S., F.R.C.S.
(Thor. S.).

Rowbotham, G. F., B.Sc. Manc.,
F.R.C.S. (Neur. S.).

Braithwaite, F., O.B.E., M.A.
Camb., M.Sc. Manc., M.B.,
B.Chir. Camb., F.R.C.S. (Plas-
tic S.).

Watts, W. P. T., A.F.C., M.B.,
M.S., F.R.C.S.Ed.

Walder, D. N., M.D., Ch.B. Brist.
(Exp. S.).

Clinical Teachers

Hodgson, N. (v. Lectrs. *supra*).

Gilmour, J., M.B., M.S., F.R.C.S.

Whyte, A. H., D.S.O., T.D., M.B.,
M.S., F.R.C.S.

Hewitson, W. A., M.B., B.S. Lond.,
M.B., M.S., F.R.C.S.

Brumwell, J., M.B., B.S., F.R.C.S.

Feggetter, G. Y., M.B., M.S.,
F.R.C.S.

Watts, W. P. T., A.F.C., M.B.,
M.S., F.R.C.S.Ed.

Rose, J. D., M.B., B.S., F.R.C.S.

Jones, J. D. T., M.B., M.S.,
F.R.C.S.

Hindmarsh, F. D., M.B., M.S.,
F.R.C.S.

Tibbs, D. J., M.C., M.B., B.S.
Lond., F.R.C.S. First Asst.

Hammersley, D. P., B.A.
Med. Artist.

Rogers, J. E.	Deptl. Asst.	University Extension
<i>Venereal Diseases</i>		Director of Extra-Mural Studies :
Macfarlane, W. V., M.D., Ch.B., D.P.H. Edin.	Ch.B., Lectr.	B. W. Abraham, M.Ed.
Clinical Teachers		Staff Tutors : T. Atkinson, B.A. Camb.; L. B. Barr, M.A. Oxon.;
Macfarlane (v. <i>supra</i>).		D. S. Bland, M.A. Camb. ;
Pick, R., M.D. Vienna.		Elizabeth Carrick, M.A. Lond. ; N. Dees, B.A. Manc. ;
Registrar		J. Hemingway, J.P., B.A. Lond. ; G. Jobey, D.S.O.,
Schofield, C. B. S., M.B., B.S.		M.A. ; W. M. Williams, B.A. Oxon.
William Henry Charlton Lecturer		
1951—E. K. Waterhouse, M.B.E., M.A.		

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. (Ethel Williams Hall) ; Jacqueline S. Falconer, B.Sc. St. And., Ph.D. Lond. (Easton Hall). Hon. Chaplain : Rev. A. J. Bennitt, M.A. Coll. Engineer : G. F. Hardy, M.Sc.

GENERAL INFORMATION

The University of Durham College of Medicine was originally founded in 1834 and became associated with the Univ. of Durham in 1852. Armstrong Coll., Newcastle upon Tyne, was founded in 1871, as a part of the Univ. of Durham. In 1937 the two Colls. were merged to form King's Coll., Newcastle upon Tyne, in the Univ. of Durham.

Owing to recent expansions, various depts. of the Coll. are scattered over a wide area and a plan showing their location is published in the *General Prospectus*.

INCOME (1950-51). £757,273, derived from the following principal sources: Parliamentary Grants (Treasury and other Government Depts.) 68 per cent., Fees 16 per cent., Local Authorities 4 per cent., Endowments 2 per cent., Donations and subscriptions 2 per cent., other sources 8 per cent.

LIBRARY, approx. 195,000 vols. and approx. 62,500 pamphlets (including the Med. libraries). There are also departmental libraries. Sp. collections : English Bibles from 1535 ; Heslop, English dictionaries (277 vols.) ; Kieper, 15th- to 18th-century printed books, mostly classics (600 vols.) ; Merz, philosophical, mathematical and general (3940 vols.) ; Spence Watson, early English texts (564 vols.) ; Oriental, with sp. ref. to India (2762 vols. and 2082 pamphlets) ; Gilchrist, Agricultural (529 vols.) ; Gertrude Bell, Oriental (1963 vols.) ; Robert White (c. 4000 vols.), 18th-century plays, English and Scottish ballads, Border 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. 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. ; 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., 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 in Facs. other than Med. 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 Med. and the Dean of the Dental Sch. perform similar duties in the Medical and Dental Schools, respectively.

UNIVERSITY DIPLOMAS. Education (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 (1 yr.) ; Psychol. Med. (1 to 2½ yrs. according to experience) ; Biblical Studies (full-time, 1 yr. ; part-time, 2 yrs.).

UNIVERSITY CERTIFICATE. Social Studies (2 yrs.).

COLLEGE CERTIFICATES. Fine Art (2 yrs.) ; Archit. (5 yrs.) ; Town Planning (2 yrs.) ; Pub. Health Engin. (1 yr.) ; Prod. Engin. (1 yr.) ; Fuel Tech. (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.

OTHER CERTIFICATES. Ministry of Educn. Cert. in the teaching of Art.

FEES: Faculties other than Medicine :

Registration (Degree students and some others), £2 p.a. ; Students' Socs. and Univ. Union, £4 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; Ministry of Educn. Cert. in teaching of Art, £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., £8; Geol., £8-£10; Surveying, £10; Advanced Surveying (for Geog. students), £10; Mining Surveying, £15; Mining (Tour of Mines and Coalfields), £13.

For fees for matricn., examns. and degrees, *see* 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, *see* Univ. section, *supra*.

SCHOLARSHIPS. Entrance: Open, £40-£175 p.a., restricted to particular Faculties and classes of candidates. Bursaries, £40, awarded at end of 1st yr. of study. Various scholarships and prizes are awarded during degree and diploma courses.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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' Asscn. organizes social and sporting events and distributes certain Coll. publicns.

RESIDENCE. (For Wardens *see* "Administrative and other Staff," p. 135.) For Women (fees, £90 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, £90 p.a.): Henderson Hall, Cochrane Pk., Newcastle upon Tyne 7 (*Telephone*: Benton 61136), 90 students.

UNIVERSITY EXTENSION. Public lectures in the Coll. include the annual Earl Grey Memorial, Holmes Memorial (young people only) and W. H. Charlton lectures, occasional lectures and short courses, lectures in French (*Alliance Française*), and popular evening lectures. Short courses in various centres in Agric. and For. Tutorial classes in various centres (most of the tutors are regular members of coll. staff). Provision is made for educn. of national service men, who have higher educnl. qualificns., stationed in the area of the Univ.

STUDENT ATHLETIC FACILITIES. There are two sports grounds, a boat-house and a gymnasium, providing for all forms of athletic activity, both indoor and outdoor.

PUBLICATIONS. Rector's *Report*; King's Coll. *Handbook*; King's Coll. Dept. of Agric. (Farm Economics Branch), *Reports*; King's Coll. Educn.

Soc. *Papers*, 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*; *Planning Outlook* (Dept. of Town and Country Planning), 15s. p.a.; *The Northerner* (Students), 2s. per copy; *Durham Univ. Medical Gazette*, 7s. 6d. p.a.; King's *Courier* (Students' newspaper); King's Coll. S.R.C. *Students' Handbook*; Earl Grey Memorial Lectures, 1s. per copy; William Henry Charlton Memorial Lectures.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Students Rag Appeal, £11,676 to Dept. of Child Health for Children's T.B. Prevention Fund; Luccock Res. Fund, further instalment of £7657.

NEW BUILDINGS. New Univ. Engin. Labs., Stephenson Bldg., completed in summer of 1951; Ethel Williams Hall for women students, opened Oct. 1950.

ADULT EDUCATION WORK. Dept. of Extra-Mural Studies conducted 45 3-year tutorial classes, 42 sessional courses and 29 other courses. Total no. of students: 3000.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Profs. Bobek and Solch, Vienna; Profs. Zernike and Van Winter, Groningen; Prof. O. H. Hamilton, Oklahoma Agric. and Mech. Coll., visiting Prof. to Dept. of Maths.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. G. H. J. Daysh, Cairo; F. F. Bonsall, Oklahoma Agric. and Mech. Coll.

RETIREMENTS. Prof. G. Poole (Mining); Dr. J. S. Elliott (Bacteriol.).

RESIGNATIONS. Prof. J. N. Findlay (Philos.), apptd. to Chair of Philos., King's C., Lond.; K. A. Hirsch (Pure Maths.), apptd. Reader in Pure Maths., Queen Mary C., Lond.; W. A. Husband (Asst. Registrar), apptd. Registrar, U.C., Ibadan; J. A. Lyddiard (Electr. Engin.), apptd. to Chair of Electr. Engin., Punjab U., Pakistan; R. O. Mackenna (Librarian), apptd. Librarian, Glas. U.

DEATH. Dr. K. D. Hunter.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	242	2616
Women	49	567
Total	291	3183

Included in the above are 261 postgraduate students and 903 new admissions.

DEGREES AWARDED. B.Sc. (Agric.), 27; M.Sc. (Agric.), 12; Ph.D. (Agric.), 1; B.A., 144; M.A., 1; Ph.D., 3; M.Litt., 1; B.Arch., 14; B.Com. 54; B.D.S., 24; M.Ed., 3; B.Sc. (App. Sc.), 109; M.Sc. (App. Sc.), 9; Ph.D. (App. Sc.), 4; LL.B., 18; M.B., B.S., 68; M.D., 4; B.Sc. (Pure Sc.), 153; M.Sc. (Pure Sc.), 6; Ph.D. (Pure Sc.), 9; D.Sc. (Pure Sc.), 1.

DIPLOMAS AND CERTIFICATES AWARDED. Archit., 33; Biblical Studies, 1; Com., 1; Educn., 116; Foreign Langs., 1; Landscape Design, 3; Pub. Admin., 13; Pub. Health, 3; Town Planning, 6; Soc. Studies, 1; Dental Surg., 24.

[Information compiled as at 6/5/52 ;
Staff list revised on 27/9/52.]

UNIVERSITY OF LEEDS*

Founded 1904

Postal Address : Leeds 2.

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., D.Sc.

VICE-CHANCELLOR—CHARLES R. MORRIS, M.A. Oxon., LL.D. Manc.

PRO-VICE-CHANCELLOR—PROFESSOR A. N. SHIMMIN, C.B.E., M.A. Manc.

TREASURER—HON. R. E. BECKETT, LL.D.

REGISTRAR—J. V. LOACH, B.Sc., Ph.D. Birm., F.R.I.C.

BURSAR—E. J. BROWN, B.Com. Lond.

LIBRARIAN—B. S. PAGE, M.A. Birm.

TEACHING STAFF

Agriculture, v. infra

Anatomy

Durward, A., M.D. N.Z. Prof.
Boyd, G. I., M.D., F.R.C.S. Ed.
Sr. Lectr.

Lecturers

Coupland, R. E., M.B., Ch.B.
Walls, W. K. J., M.B., Ch.B.
Holmes, R. L., M.Sc., M.B., Ch.B.

Demonstrators

Burwell, R. G., B.Sc., M.B., Ch.B.
Metcalf, J. S., M.B., Ch.B.
Morfitt, J. M., B.Sc., M.B., Ch.B.
Tate, G. T., M.B., Ch.B.

Hon. Demonstrators

.....

.....

..... (Rad. Anat.).

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. (Phy-
sico-Chemical Aspects of B.)

Reader.

Chattaway, F. W., Ph.D., M.Sc.
Lond. Lectr.
Kilby, B. A., M.A., Ph.D. Camb.,
F.R.I.C. Lectr.

Dawson, J., M.Sc., M.B., Ch.B.
Lectr.

Hullin, R. P., M.Sc., Ph.D. Wales
Lectr.

Burch, Mrs. Jane E., B.A. Camb.
Temp. Asst. Lectr.

Bowen, T. J., M.A., B.Sc. Oxon.
Biochem. and Med. Res.
Fellow.

* 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.

..... Res. Fellow.

Research Assistants

Beighton, E., B.Sc.

Tibbs, J., B.Sc., Ph.D.

Haggith, J. W., B.Sc.

Parker, K. D., B.A. Camb.

Millard, A. (Elect. Microscope).

Botany

Manton, Irene, B.A., Sc.D., Ph.D.
Camb. Prof.

Thoday, Emer. Prof. D., M.A.,
Sc.D. Camb., F.R.S.

Visiting Prof.

Preston, R. D., D.Sc., Ph.D.
(Plant Biophys.) Reader.

Brown, R., D.Sc. Lond.
(Plant Physiol.) Reader.

Scott, Lorna I., M.Sc. Lond.,
F.L.S. Sr. Lectr.

Lecturers

Sledge, W. A., B.Sc., Ph.D.

Baker, H. G., B.Sc., Ph.D. Lond.

Nicolai, Marie F. E., D.Phil.
Leiden.

Greenwood, A. D., B.Sc. Manc.

Reith, W. S.

Res. Chemist and Hon.
Lectr.

Wesley, A., B.Sc. Lond.

Asst. Lectr.

Walker, S., B.Sc.

Temp. Asst. Lectr.

I.C.I. Research Fellow

Robinson, Mrs. Edith, B.Sc. Durh.

Demonstrator

Shivas, Mary G., B.Sc. Aberd.

Research Assistants

Spark, L. C., B.Sc., Ph.D.

Sunderland, N., B.Sc.

*Chemistry, Inorganic and Physical, v. also Technology—
Colour Chemistry*

Cox, E. G., T.D., D.Sc. Brist.,
F.I.P., F.R.I.C. Prof.

Dainton, F. S., M.A., B.Sc. Oxon.,
Ph.D. Camb. Prof.

Hartshorne, N. H., M.C., M.Sc.
Birm., Ph.D. Lond., F.R.I.C.
(Chem. Micros.) Reader.

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., D.Sc., Ph.D. Liv.

Lecturers

Cruickshank, D. W. J., B.A.
Camb., B.Sc. Lond. (Math.
Chem.).

Jeffrey, G. A., B.Sc., Ph.D. Birm.

Caldin, E. F., M.A., D.Phil. Oxon.

Bunn, D., B.Sc., Ph.D.

Pringle, G. E., M.A., Ph.D. Camb.

Truter, Mrs. Mary R., B.Sc. Lond.

Walsh, A. D., M.A., Ph.D. Camb.

Carson, A. S., M.Sc. Belf.

.....

Wheatley, P. J., M.A., D.Phil.
Oxon.

Collinson, E., M.A. Camb.

..... Brotherton Res. Lectr.

I.C.I. Research Fellows

Ivin, K. J., B.A., Ph.D. Camb.,
B.Sc. Lond.

Parry, G. S., B.Sc., Ph.D. Lond.

Research Assistants
 Whitaker, H., M.Sc.
 Walton, A. W., B.Sc.
 Weir, R. J., B.Eng. Liv.
 Brotherton Res. Asst.

Chemistry, Organic

Challenger, F., D.Sc. Birm., B.Sc.
 Lond., Ph.D. Gött., F.R.I.C.

Prof.

Baker, J. W., D.Sc., Ph.D. Lond.,
 F.R.I.C.

(Mech. of Org. Reactions)

Reader, Dean, Fac. of
 Sci.

Wightman, W. A., M.A. Oxon.,
 F.R.I.C. Sr. Lectr.

Rothstein, E., D.Sc., Ph.D. Lond.
 Sr. Lectr.

Lecturers

Briscoe, P. A., B.Sc. Brist.

Bowden, K., B.Sc., Ph.D. Lond.,
 D.I.C., F.R.I.C.

Clark, E. R., B.Pharm. Wales,
 Ph.D. Lond.

Austin, A. T., M.Sc. Melb., Ph.D.
 Lond.

Blackall, Eileen L., B.Sc. Lond.
 Asst. Lectr.

Classics : Greek

Davison, J. A., T.D., M.A. Oxon.
 Prof.

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.

Assistant Lecturers

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

Brown, A. J., M.A., D.Phil. Oxon.
 Prof.

Richardson, J. H., M.A. Camb.,
 Ph.D. Lond. (Indust. Relns.)
 Montague Burton Prof.

Senior Lecturers

Johnson, L. G., B.A. Sheff.

Hare, A. E. C., M.A. Camb., Ph.D.
 Lond. Dean of Fac.

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.

Speight, H., B.A. Lond.

Sargan, J. D., M.A. Camb. (Econ.
 Stats.).

Johnson, A., B.Sc. Lond.

(Econ. and Extra-Mural).

Rainnie, G. F., M.A. Aberd.

Rimmer, W. G., M.A. Camb., A.M.
 Harv. (Econ. Hist.)

Asst. Lectr.

Research Assistants

Thomas, Mrs. Joan M., B.Sc. (Econ.)
 Lond.

Sigsworth, E. M., B.A.

Brothwell, J. F., B.A. (Econ.) Nott.

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.

Boulthwood, Myrtle E. A., B.A.
 Lond. Sr. Lectr.

Lecturers

Bosworth, Eugenie M., M.A. Oxon.
Burns, D. G., M.A. Birm., B.A.
Lond.

Martm, Audrey J.

Ottaway, A. K. C., M.A., B.Sc.
Lond.

Wallbank, S. Annie, B.Sc. Lond.

Howie, G., M.A., Ed.B. Aberd.

Laing, A., M.A., Ed.B. Aberd.

Neal, L. F., B.A. Lond.

Phillips, D. Jean, B.Sc. Lond.

Tate, W. E., B.Litt. Oxon., F.S.A.

Connell, L., B.Sc. Manc., M.Sc.
Lond.

Travis, Marjorie A., B.A. Manc.,
M.A. Lond.

..... Speech Therapist.

Engineering, v. Technology

*English Language and Mediæval
English Literature*

Orton, H., B.Litt., M.A. Oxon.

Prof.

Doyle-Davidson, W. A. G., B.A.
Lond. Sr. Lectr.

Cawley, A. C., M.A. Lond. Lectr.

Taylor, A. R., M.A. Manc. Lectr.

Turville-Petre, E. O. G., B.A.,
B.Litt. Oxon.

(Mod. Icelandic) Hon.
Lectr.

Ellis, S., M.A. Res. Asst.

English Lit.

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.

Childe, W. R., M.A. Oxon.

Sr. Lectr.

Jefferson, D. W., B.Litt. Oxon.,
B.A. Lectr.

Kettle, A. C., M.A., Ph.D. Camb.
Lectr.

Fisch, H., B.A. Sheff., B.Litt.
Oxon. Lectr.

Creedy, A. J., B.A. Lond. and
Camb. Lectr.

Over, G. A., B.A. Asst. Lectr.

Heath-Stubbs, J., B.A. Oxon.

Gregory Fellow in Poetry.

Fine Art

de Sausmarez, M.

Lectr. & Hd. of Dept.

Hauser, A., Dr.Phil. Budapest

Asst. Lectr.

Butler, R.

Gregory Fellow in Sculp-
ture.

Froy, M. (Hist. of Art)

Gregory Fellow in Paint-
ing.

French Lang. and Lit.

Clapton, G. T., M.A. Sheff.

Prof. and Hd. of Dept.

..... Prof. of Mediæval Fr.
Lang. and Lit.

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.

Crews, Mrs. Cynthia M., M.A.
Camb., Ph.D. Lond. (Fr.
Phonet.).

Assistant Lecturers

Coe, R. N. C., M.A. Oxon.

Ireland, G. W., M.A. Edin.

Ireson, J. C., M.A. Lond.

Rothwell, W., M.A. Oxon., D. de
l'U. Paris.

Saint-Père, R., L. ès L. Paris.

Bizet, Mlle J. M. M. Lectrice.

Leroy, Martine Lectrice.

Thyss, Marie-Louise

Anglo-French Fellow.

Geography

Williamson, A. V., M.A. Liv.

Prof., Hd. of Dept., Dean
Fac. of Arts.

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.
2 Asst. Lectrs.

Geology

Kennedy, W. Q., D.Sc. Glas.,
F.R.S. Prof.
Versey, H. C., D.Sc., F.G.S.
Sub-Dean, Facs. of Sci.
and Tech. Reader Appl.
Geol.

Hemingway, J. E., B.Sc., Ph.D.
Sr. Lectr.

Rayner, Dorothy H., M.A., Ph.D.
Camb. Lectr.

Hartley, J., B.Sc. Lectr.

Turner, J. S., M.Sc. Lond., F.G.S.
(Palæontol.) Lectr.

Knorring, O. von, M.Sc. Helsinki
(Mineral. and Geochem.)
Lectr.

Kerr, Mrs. Margaret H., B.Sc.
Glas. Res. Asst. and Demr.

German Lang. and Lit.

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

Chapman, G. P., O.B.E., M.C.,
M.A. Oxon., B.Sc. Lond.
(Mod. H.) Head of Dept.,
Prof.

Le Patourel, J., M.A., D.Phil.
Oxon. (Med. H.) Prof.

Baldwin, L., M.A., Ph.D. Mich.
Visiting 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.A. Oxon.

Jones, P. J., M.A. Oxon. (Med. H.).

Assistant Lecturers

Taylor, J., M.A. Oxon.

Hutt, M. G., B.A. Oxon.

History of Science

Gregory, J. C., B.Sc. Lond.,
F.R.I.C. Hon. Lectr.

Italian Lang. and Lit.

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.

(Comm. L.) 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.

Cook, M. J., LL.B.

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.

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.
 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.
 Hesse, Mary B., M.Sc., Ph.D.
 Lond. Asst. Lectr.
 Löb, M. H., M.A. Lond.
 Asst. Lectr.
 Mestel, L., B.A. 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.
 Mumby, F. S., B.Mus. Durh. and
 Lond., B.A. Lectr.
 Brown, J. C., M.A., Mus.B. Camb.,
 F.R.C.O. Lectr.
Pharmacology
 Bain, W. A., B.Sc., Ph.D. Edin.
 Prof.
 Sr. Lectr.
 Lecturers
 Moge, G. A., M.B., Ch.B., B.A.O.
 Belf.
 Exley, K. A., M.B., Ch.B.
 Hey, P., M.Sc. (Pharmacol.
 Chem.).
 Dare, J. G. (Pharmacy).
 Nelson, G. A., F.L.S. (Pharmacog-
 nosy).
 Batty, Jean E., 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.
 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. Asst.
 Hunter, Dorothy A., Dipl. Phys.
 Educ. Lond. 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.
 Brindley, G. W., M.Sc. Manc.,
 Ph.D. (X-ray Phys.) Reader.
 Long, F. A., B.Sc. Lond.
 Sr. Lectr.
 Ewles, J., M.A. Camb. Sr. Lectr.
 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.
 Temp. Lectr.
 Nicolson, Mrs. Phyllis, M.A.
 Camb., M.Sc., Ph.D. Manc.
 Pt.-time Lectr.

Youell, R. F., B.Sc. Lond.
Asst. Lectr.
Elcock, E. W., B.Sc.
Temp. Asst. Lectr.

Research Assistants
Crooke, R. H., B.Sc.
Matthews, J. C., B.Sc.
Chappel, F. P., M.Sc. Lond.
Cross, L. E., B.Sc.
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., B.Ch., B.A.O.
Belf.
Newman, P. P., M.B., Ch.B. Liv.
Holgate, J. A., M.B., Ch.B.
Wyke, B. D., M.B., B.S. Syd.
Wolstencroft, J. H., M.A. Camb.

Demonstrators

Cambridge, G. W., B.Sc. Lond.
Coleridge, J. C. G., B.Sc., M.B.,
Ch.B.
Linden, R. J., M.B., Ch.B.
Pyrar, 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. 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. (Indust. P.).

Russian Lang. and Lit.

..... Prof.
Hayward, H. M., M.A. Oxon.
Lectr. and Hd. of Dept.
Dressler, A., B.A. Lectr.

Minskera, Mrs. Harriet
Temp. Asst.

Semitic Languages and Literatures

Bowman, Rev. J., M.A., B.D.
Glas., D.Phil. Oxon.
Lectr. and Hd. of Dept.

.....

Montague Burton Lectr.
in Med. and Mod.
Hebrew.

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.
Vaughan, E. A., B.Com. Durh.
(Soc. Studies) Lectr.
Hanson, A. H., M.A. Oxon.
(Pub. Admin.) Lectr.
Henriques, L. F., M.A., D.Phil.
Oxon.
(Soc. Anthropol.) Lectr.
Wiseman, H. V., M.A. Oxon.,
B.Sc. (Econ.) Lond.

Lectr. in Depts. of Soc.
Studies and Extra-
Mural Studies.

Brown, Ida E., M.A. Sheff.
Lectr. and Sr. Tutor.
Moody, Bettine M., B.A. Lond.
Lectr. and Tutor.
Millard, Phyllis M., B.A. Lond.
Asst. Lectr. and Tutor.
Hardy, Helen R., M.A. Camb.
Asst. Lectr. and Tutor.

..... Asst. Lectr.
Head, W. G., B.Sc. (Econ.) Lond.
Res. Asst.
Slaughter, C., B.A. Oxon.
Res. Asst.

Spanish Lang. and Lit.

Brown, R. F., M.A., Ph.D. Liv.
Hd. of Dept., Sr. Lectr.

Lecturers

de Irizar, Agustín, Liedo en Fil.
Madrid, M.A.

Lumsden, Audrey, M.A. Liv.

Boorman, J. T., M.A. Camb.

McCririck, Verena N. R., M.A.
Birm.

Davies, G. A., M.A. Oxon.
Asst. Lectr.

Alba, Manuel S. Lectr.

Gonçalves, Maria E. S. L., B.A.
Lisbon (Portuguese) Leitora.

*Technology, v. infra**Theology*

Reid, Rev. J. K. S., M.A., B.D.
Edin. (Theol.) Prof.

Barclay, Rev. R. A., M.A., B.D.
Edin. (O.T. Studies and
Biblical Hebrew) Lectr.

Higgins, Rev. A. J. B., M.A.
Wales, B.D., Ph.D. Manc.
(N.T.) Lectr.

Easson, Rev. D. E., M.A., B.D.,
Ph.D. St. And.

(Church Hist. and Doc-
trine) Lectr.

9 Associate Lecturers 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.

Werth, Irene, M.A. Oxon.

Owen, R. W., M.Sc., Ph.D. Wales.
Demr.

i Res. Asst.

Agriculture

Comber, N. M., D.Sc. Lond.,
F.R.I.C. (Agric. Chem.)

Head of Dept., Prof.

McGregor, J., B.Sc. Glas. Prof.

..... 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. Asst. Lectr.

..... (Crop Husb. and Farm
Machinery) Temp. Asst.
Lectr.

Croft, L. E., 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., M.Sc., Dip.
Hort. R'dg. 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. Econo-
mist.

Thomas, W. J., M.Sc. Wales
Lectr.

Ward, J. T., B.Sc. Lond.
Asst. Lectr.

Jeffrey, A. G., B.Com.
Sr. Agric. Economist.

Wynne, A. J., B.Sc. Lond.
Agric. Economist.

Asst. Agric. Economists

Dawson, E., B.Sc.
 Simpson, I. G., B.Sc. R'dg.
 Lloyd, D. Hanbury, B.Sc. Wales.
 Mathieson, Morag C., B.Sc.(Econ.),
 M.Sc.(Agric.) Lond.
 Wright, Edith M., B.Sc.(Econ.)
 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. Stewart, M.D.
 Edin., F.R.C.S.Ed., D.M.R.E.
 Lectr.

Dental Surgery

Read, T. T., F.R.F.P.S.Glas.,
 F.D.S.R.C.S.

**Prof. of Clin. Dent. Surg.
and Warden.**

Hollings, M. R., B.Ch.D.,
 F.D.S.R.C.S. Sr. Lectr.

Cocker, J. P., L.D.S., F.D.S.R.C.S.
 Lectr. (C.).

Crawford, J. K., F.D.S.R.C.S. (C.).
 Johnson, H. G. L., L.D.S. (C.).

.....
 Woodcock, S. R., L.D.S., H.D.D.
 Edin. (C.).

Cork, D. J., L.D.S. (C.).
 Brook, F., H.D.D., L.D.S. (C.).

Southam, F. L., L.D.S.
 Sr. 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. Darm-
 stadt, 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.**Prosthetic Dentistry**

Woodhead, C., L.D.S. Lectr.
 Thornham, C. B., B.Ch.D., L.D.S.

..... Lectr.
 Lectr.

Hon. Demr.

(C.) = Clinical Lectr.

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. Lond. (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.).
Eastwood, A. B., D.A. Lectr.
Parnell, The Hon. Sheila H., B.Sc.
McG. Res. Asst.

Bacteriology

Oakley, C. L., M.D., B.S., B.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. Frankfort
Lecturers Sr. Lectr.
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.B. Belf.
Holman, R. A., M.B., Ch.B.
La Touche, C. J. P., M.Sc. Dub.
Turner, G. C., M.B., Ch.B. Demr.
Eaves, G., B.Sc. 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. Prot.
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., B.Sc., Ph.D. Birm.
Prof.

Lecturers

Hay, G. A., M.Sc. Durh.
Reed, G. W., M.Sc.
Morrison, Margaret, B.Sc. Birm.

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.).
Magidson, O., M.D.
Sr. Registrar and Tutor.
Fountain, J. R., M.B., Ch.B. Edin.
Temp. Sr. Regr. and
Tutor.
Ingram, J. T., M.D. Lond., F.R.C.P.
(Dermatol.) Sr. Clin.
Lectr. (C.).
Hellier, F. F., O.B.E., M.A. Camb.,
M.D. Lond., F.R.C.P.
(Dermatol.) Sr. Clin.
Lectr.
..... (Tuberc.) Pt.-time Lectr.
Anning, S. T., M.A., M.D. Camb.
(Dermatol.) Clin. Lectr.
La Touche, C. J. P., M.Sc. Dub.
(Med. Mycol.) Lectr.
Everall, J. D. (Dermatol.).
Sr. Regr. and Tutor.

(C.)—Clinical Lectr.

- Tattersall, R. N., O.B.E., M.D. Lond. Lectr. (C.).
 Taverner, D., M.B.E., M.D. Lectr.
 Watkinson, G., M.D., B.S. Lond. Lectr.
 Hall, D. A., B.Sc., Ph.D. (Med. Biochem.) Lectr.
 Sr. Clin. Lectr.
 Garland, H. G., T.D., M.D., F.R.C.P. (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.).
 Med. Tutor.
 Towers, J. R. H., M.A., M.D. Camb., F.R.C.P. Sr. Clin. Lectr.
 Research Assistants
 Paley, R. G., Ph.D., M.D. (Med.).
 Wood, G. C., B.Sc. (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.
 Jeaffreson, B. L., M.D. Lond., F.R.C.S., F.R.C.O.G. (Gynæcol.) 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.
 Smith, A. Ambery, M.D. (Obstet. and Gynæcol.) Sr. Registrar and Tutor.
- Ophthalmology*
 Foster, J., M.A., M.B., B.Chir. Camb., F.R.C.S. Sr. Clin. Lectr.
 Black, G. W., M.B., B.S. Lond., F.R.C.S. Sr. Clin. Lectr.
- Otology*
 Seed, G. S., M.B., Ch.B., F.R.C.S., D.L.O. Sr. Clin. Lectr.
 Boyle, T. McM., M.B., Ch.B., F.R.C.S., D.L.O. (Otol. and Laryngol.) Sr. Clin. Lectr.
 Lord, O. C., Ch.M., F.R.C.S.Ed., D.L.O. (C.).
- Pædiatrics and Child Health*
 Craig, W. S. M., B.Sc. Glas., M.D., F.R.C.P.Ed. Prof. (C.).
 Allibone, E. C., Ph.D. Birm., M.D., D.P.M. Sr. Clin. Lectr.
 Pugh, R. J., M.B., Ch.B. Birm., D.C.H. Lond. Lectr.
 Buchanan, M. F. G., M.B., Ch.B., D.C.H. Lond. Lectr.
 Rose, B. S., M.B., Ch.B. Birm., D.C.H. Lond. Sr. Registrar and Tutor.
- Pathology*
 Willis, R. A., M.D., D.Sc. Melb., F.R.C.P. Prof.
 Collins, D. H., O.B.E., M.D. Liv. (Clin. 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.

(C.) = Clinical Lectr.

- Dawson, I. M. P., M.A., M.B.,
B.Chir. Camb.
- Maloney, A. F. J., B.Sc., M.B.,
Ch.B. Edin. (Neuropathol.).
..... (Lectr. in P. of Industrial
Diseases).
..... Res. Path. to Leeds
General Infirmary.
- Lissimore, N., M.D.
(Gyn. P.) Pt.-time Lectr.
- 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.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*
- McMillan, Mrs. Mary, B.Ph.
Lond., M.B., Ch.B., Ph.D.
.....
- Pathology, Experimental and
Cancer Research*
- Passey, R. D., M.C., M.D., D.P.H.
Lond.
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.
..... (Exp. P.) Lectr.
..... Asst. Lectr.
- Clayson, D. B., B.A. Oxon.
(Org. Chem.) Res. Asst.
- Eaves, G., B.Sc. Manc.
Res. Asst. for Elect.
Micros.
- Cancer Research Fellows*
- Jull, J. W., B.Sc.
- Laws, J. O., M.B., B.Chir. Camb.,
Ph.D. Lond.
- Rowbottom, J., B.Sc. Lond.
- Preventive Medicine and Public
Health, v. also Path.*
- Davies, I. G., M.D., B.S. Lond.,
D.P.H. (Pub. Health) Prof.
- Dixon, C. W., M.D., B.S. Lond.,
D.P.H.
Sr. Lectr. and Chief Asst.
- Sutherland, R., M.D., D.P.H.
Aberd. Sr. Lectr.
- Pt.-time Lecturers (Public Health)*
- Bradshaw, D. B., M.A., M.B.,
B.Ch., B.A.O., D.P.H. Dub.
- Jones, J. A. L. V., M.B., Ch.B.
Glas., J.P.
- Taylor, A. L., M.D., D.P.H.
..... (Vaccination).
- Instructors (Public Health)*
- Willcock, M. E., M.B., Ch.B. Edin.,
D.P.H. Edin. and Glas.
- 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. Nuffield Prof,
..... Sr. Lectr.

- Burbury, W. Mary, M.A. Camb.,
M.B., B.S., D.P.M. Lond.
(Child P.) Sr. Lectr.
- Pt.-time Lectrs. (Mental Dis.)
- Sutton, I., B.Sc., M.D. Manc.,
D.P.M.
- Burt, H., M.B., Ch.B. Glas.,
D.P.M.
- Valentine, J., M.B., Ch.B. Glas.,
D.P.M. Lond.
- Affleck, J. W., M.B., Ch.B. Glas.,
D.P.M.
- Wilson, A. H., M.B., Ch.B. Aberd.,
D.P.M. (Mental Deficiency).
- Crocket, R. W., M.B., Ch.B. Glas.,
D.P.M. Lond.
- Sr. Regr. and Tutor.
- Martin, D. R., B.A. Syd.
Clin. Psychologist.
- Guntrip, Rev. H. J. S., B.A., B.D.
Lond. Psychotherapist.
- Rosenbusch, H., M.D. Leipzig and
Pisa Psychotherapist.
- Whyte, Marion B. H., M.A. Edin.
Sr. Psych. Social Worker
and Tutor.
- Stead, Mrs. Evelyn M., B.A.
Psych. Social Worker.
- Berlyne, Anita R., B.A. Camb.
Psych. Asst.
- Radiology and Radiotherapy*
- Johnstone, A. Stewart, M.D. Edin.,
F.R.C.S.Ed., D.M.R.E.
(Radiodiagnosis) Prof.
(C.).
- Illingworth, G. H., M.A. Oxon.,
M.D. (Radiodiag.) Lectr.
- Lees, J. M., M.A., B.M., B.Ch.
Oxon., D.M.R.
(Radiother.) Pt.-time
Lectr.
- Digges la Touche, A. A., M.A.,
M.B., B.Ch. Camb., F.R.C.S.,
D.M.R.
(Radiother.) Sr. Clin.
Lectr.
- Nuttall, J. R., M.D. Manc.,
D.M.R., F.F.R.
(Radiother.) Sr. Clin.
Lectr.
- (Radiol.) Pt.-time Lectr.
- Rheumatism Research*
- Dir.
..... (Surg. of Rheumatism)
Fellow.
- Fellow.
- Surgery* [Prof. (C.).
- Chamberlain, D., Ch.M., F.R.C.S.
- Symons, H. W., M.B., Ch.B.,
F.R.C.S. (Clin. S.) Prof. (C.).
..... Reader.
- Pyrar, L. N., M.Sc., Ch.M.,
F.R.C.S.
Director S. Res. and Sr.
Clin. Lectr. (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.).
- Pollock, A. V., B.Sc., M.B., Ch.B.
Cape T., F.R.C.S.
- 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.
- 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.
- Moir, P. J., M.C., M.B., Ch.B.
Glas., F.R.C.S.
Sr. Clin. Lectr. (C.).
- Armitage, G., M.C., T.D., M.D.,
Ch.M., F.R.C.S.
Sr. Clin. Lectr. (C.).
- Latchmore, A. J. C., M.B.E., M.S.
Lond., F.R.C.S. (C.).

- Shucksmith, H. S., M.B., Ch.B.,
F.R.C.S. (C.).
Allison, P. R., B.Sc., Ch.M.,
F.R.C.S. (Thoracic)
Sr. Clin. Lectr.
Wooler, G. H., M.A., M.D., B.Chir.
Camb., F.R.C.S. (Thoracic)
(C.).
..... (Thoracic 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.
Garland, H. G., T.D., M.D.,
F.R.C.P. (Neurol.)
Sr. Clin. Lectr.
Therapeutics
..... (Therapeutics) Prof. (C.).
..... Asst. Lectr.

Venereal Diseases

- Horne, G. O., F.R.C.P.Ed.
Clin. Lectr. (C.).

Technology

v. also Agriculture

*Coal Gas and Fuel Industries
with Metallurgy*

- Roberts, A. L., B.Sc., Ph.D.,
F.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.).
Forsyth, J. S., B.Sc. Glas., Ph.D.
(Chem. Engin.) Brother-
ton 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 Refract.
Materials).
Franklin, N. L., M.Sc. (Chem.
Engin.).
Grimshaw, R. W., B.Sc., Ph.D.
(Ceramics and Refractory
Materials).
..... (Gas Engin.).
Haynes, R., B.Met., Ph.D. Sheff.
(Met.) Asst. Lectr.
..... (Chem. Engin.) Asst.
Lectr.
Pollard, A., B.Sc. (Process Instru-
mentation) Asst. Lectr.
Wood, J. W., M.Sc. Tech. Manc.
Pt.-time Lectr.
Dent, F. J., Ph.D., D.Sc.
Hon. Lectr.

Research Chemist

- Blackburn, W. 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.
Kilham, J. K., B.Sc., Ph.D.
Plummer, M., B.Sc.
Towler, J. H., M.Sc.
Jackson, B., B.Sc.
Jackson, E. G., B.Sc.
Stubbs, J. J., B.Sc. Tech. Manc.
Howard, P., B.Sc., Ph.D.
Barstow, C., B.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.
(Colour Chem.) Sr. Lectr.

(C.) = Clinical Lectr.

Bird, C. L., M.Sc., F.R.I.C.
 (Dyeing) Sr. Lectr.
 Sutcliffe, F. K., M.Sc. Manc., Ph.D.
 (Col. Chem. and Dyeing)
 Res. Lectr.
 Peters, A. T., D.Sc., Ph.D. Manc.
 (Col. Chem.) Lectr.

.....
 (Lakes and Pigments)
 Lectr.

Stevens, C. B., B.Sc., Ph.D.
 (Dyeing) Lectr.
 Easty, G. C., B.Sc., Ph.D. Lond.
 (Phys. Chem.) Brother-
 ton 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.
 B.D.A. Res. Fellow.

Engineering, Civil

Evans, R. H., D.Sc. Manc., Ph.D.
 Prof. and Admin. Hd. of
 Engin. Depts., Dean,
 Fac. of Technol.
 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, Elect.

Carter, G. W., M.A. Camb. Prof.
 Stuart, W. S., M.Eng. Liv. (Electr.
 Communs.) Sr. Lectr.

Lecturers

Bridgwood, T. G., B.Sc., Ph.D.
 Greenwood, A. N., M.A. Camb.
 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.
 Caton, E. E., M.Sc. Sr. Lectr.
 Leah, A. S., B.Sc., Ph.D.
 Sr. Lectr.
 Richardson, S. G., M.Sc. Sr. Lectr.

Lecturers

Rounthwaite, C., B.Sc., Ph.D.
 Appleyard, D., M.Sc.
 Stansfield, H., M.Sc. Manc.
 Shilton, R., B.Sc. Lond.
 Mobbs, F. R., M.Sc., D.I.C.

Leather Industries

Burton, D., M.B.E., D.Sc., F.R.I.C.
 Prof.
 Danby, J. P., B.Sc., Ph.D. 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.
 Thompson, M. C., B.Sc.
 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).
 Myers, J. O., B.Sc. (Mining).
 King, H. J., B.Sc. Lond. (Mining
 and Mine Surveying).
 Habberjam, G. M., B.Sc., Ph.D.
 Asst. Lectr.

Research Assistants

Brown, D. J., B.Sc.
 Broadhurst, P. H., B.Sc. Lond.
 Huitson, J. J., B.A. Camb.
 Bull, W. R., B.Sc.
 Duckmanton, B., B.Sc.

Textile Industries

Speakman, J. B., D.Sc. Manc.,
 F.R.I.C., F.T.I. Prof.
 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.

Reader (Text. Finishing).

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., B.A. Camb.,
 Ph.D. (Text. Engin.).

Kisby, C. (Text. Design).

Bell, J. W., B.Sc., Ph.D. (Text.
 Chem.).

Young, D. (Cloth Anal. and Cloth
 Struct.).

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.

Brook, G., B.Sc. Asst. 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.

Clough, G. A., B.Sc.

Laxer, G., A.B. N.Y.

Richards, H. R., B.Sc.

Research Assistants

Sagar, Constance E., B.Sc.

Rodden, Shirley, B.Sc. Lond.

Terry, N. B., B.Sc. Lond.

Cowell, Dorothy, B.Sc.

Jagger, Lilian G., B.Sc. Wales,
 Ph.D.

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.

Hourd, Marjorie L., B.A. Brist.,
 B.Litt. Oxon. Sr. Res. Fellow.

Martin, Audrey J.

Pt.-time Res. Fellow.

Lecturers

Higginson, J. H., M.A., M.Ed.

Smith, Margaret M., M.A. (Primary
 E.).

Packer, J. W., B.A., B.D., M.Th.
 Lond. (Religious E.).

McCullagh, Sheila K., M.A.

Stevens, Frances M., B.A. Lond.

Richards, G. O., M.A., Mus.B.
 Camb., F.R.C.O. Sec.

Fifoot, E. R. S., M.C., B.A. Oxon.
 Librarian.

Adult Education and Extra-Mural
Studies

Raybould, S. G., B.Sc. (Econ.),
 Ph.D. Lond. Hd. of Dept.

Lectr. in Depts. of Econ. and Extra-Mural Studies: Johnson, A., B.Sc. Lond. Lectr. in Depts. of Soc. Studies and Extra-Mural Studies: Wiseman, H. V., M.A. Oxon., B.Sc.(Econ.) Lond.

Staff Tutors: Baines, H., B.A.; Pybus, A. E.; Bellamy, C. V., B.Sc.; Booth, N. H., B.Litt. Oxon.; Duffy, A. E. P., B.Sc.(Econ.) Lond.; Johnson, C., B.A.; Baxandall, H., M.A. Camb.; Shaw, R., B.A. Manc.; Harrison, J. F. C., M.A. Camb.; Baker, W. P., M.A. Camb., B.A. Oxon.; Hauger, E. G., M.A.; Thompson, E. P., B.A. Camb.; Prichard, W. J., M.Com.; McLeish, J., B.Sc., Ed.B. Glas.; Melling, J., M.A. Oxon.; Stein, W., B.A. Manc.; Sudale, E. W., M.A. Oxon.; Rex, J. A., B.A. S.A.;

Brookman, P. E., B.Com. (Organizing Tutor); Saunders, J. W., M.A., B.Litt. Oxon. (University Extension Lectr.).

Services Educn. Work: Kelly, A., M.A., LL.B. Glas., M.A. (Asst. to Dir.).

Lecturers: McGregor, J., B.A. Liv., M.Ed. (Educ. Method); Huddleston, J., M.A., J.P.; Walsh, H. E., M.A., M.Ed.; de Russett, A. W., M.A. Camb.; Balmer, J., B.Sc.; Bishop, T. G., B.A., B.Sc. (Econ.) Lond.; Virgo, S. R., M.B.E.; Dalby, G. R., B.A.; Hunt, K. L., B.Sc. Brist.

Asst. Lectr.: Cross, R. V., B.A. Camb.

Warden, The Albert Mansbridge College: Melling, J., M.A. Oxon.

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, 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. Lady Ogilvie, M.A. Oxon.

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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, M.A. Glas.

AFFILIATED COLLEGES

COLLEGE OF THE RESURRECTION, Mirfield, Yorks. (*Telephonic*: Mirfield 3362.) Warden—Rev. Father H. Bishop.

RAWDON COLLEGE, Rawdon, nr. Leeds. (*Telephone*: Rawdon 59.) Principal—Rev. L. H. Marshall, B.A., B.D., Ph.D. Lond.

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 1831, and the Yorkshire College, established as a College of Science in 1874, were united in 1884. The College formed part of the Victoria Univ. from 1887 to 1904, when a Univ. was established by Royal Charter in the city of Leeds.

LIBRARY. Brotherton Library, 355,418 books and pamphlets. Brotherton Collection, 39,653 books and pamphlets, including 249 incunabula, together with 585 MSS., 4106 deeds and 31,555 letters. Med. Library, 27,570 books and pamphlets. Dental Library, 1273 books and pamphlets. Agric. Library, 30,929 books and pamphlets. Textile Library, 4527 books and pamphlets. Inst. of Educn. Library, 4807 books and pamphlets. Other Departmental Libraries, 16,005 books and pamphlets. Other sp. collections: (a) 2890 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) Mitresey Collection of 612 vols. on occultism; (e) All Souls Collection of 2294 vols. on early sci. and theol.; (f) Library of the 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 the 17th and 18th centuries, 1300 vols.; (j) Holden Theol. Library, belonging to the Diocese of Ripon, 9250 books and pamphlets; (k) Harold Whitaker Collection of atlases and maps, particularly of English counties, about 450 vols.

MUSEUMS. Bot., Dyeing, Geol., Mat. Med., Pathol., Soc. Studies (Anthropol.), Textile Zool., Forensic Med. **LABORATORIES:** Agric. Chem., Biochem., Biomolecular Structure, Bot., Chem. Engin., Chem., Coal Gas and Fuel Technol., Colour Chem. and Dyeing, Engin. (Electr., Civ., Mech.), Geol., Leather Industries (including Procter Internat. Res.), Maths., Metall., Mining, Pathol. and Bacteriol., Cancer, Pharm. and Pharmacol., Physics, Physiol., Textile, Zool. **HOSPITALS** available for Clinics: Infirmary (854 beds), Women's Hospl. (103 beds), Maternity Hospl. (112 beds) and St. James' Hospl.; Seacroft Hospl.; West Riding Mental Hospls.

FACULTIES AND DEANS. *Arts*, Prof. A. V. Williamson (Geog.); *Econ. and Commerce*, Dr. A. E. C. Hare (Econ.); *Law*, G. L. Haggan; *Medicine*,; *Science*, Dr. J. W. Baker (Mech. of Org. Reactions); *Technology*, Prof. R. H. Evans (Civ. Engin.).

DEPARTMENT OF ADULT EDUCATION AND EXTRA-MURAL STUDIES. Dir.: S. G. Raybould, B.Sc. (Econ.), Ph.D. Lond. Instituted 1946. Lecture courses and Tutorial classes provided, the latter in co-operation with the W.E.A. and L.E.A.s. Courses are also given at the residential coll.—the Albert Mansbridge College, Arthington, nr. Leeds (*see also* p. 155).

INSTITUTE OF EDUCATION (*see also* p. 154). 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 Physical Education; Carnegie College of Physical Education.

ADMISSION. *See* Appendix I.

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. (French, German, Italian, Russian, Spanish) normally spend 3rd term of 2nd yr. at some approved foreign Univ.

Supplementary Textile studies may be combined with a B.Com. course. Any of the Tech. subjects may be taken in a B.Sc. course. The Law Dept. prepares students for the Bar and Solicitors' 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 obtain the Litt.D. or D.Sc. 6 yrs. after graduation; D.D., LL.D., M.D., 3 yrs. after graduation; Ch.M., 5 yrs. after graduation (2 yrs.' course).

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. Agric. (Farm Management), Agric. Bacteriol., Agric. Bot., Plant Pathol., Agric. Chem., Agric. Econ., Agric. Zool., Educn., Metall., Ceramics, Fuel Technol., Gas Engin., Chem. Engin., Mineral Dressing, Textile Industries, Geog., Plant Cytology, 1 yr. (sometimes 2) after graduation. Educnl. Admin., Pub. Admin., 2 winter sessions. Biblical Studies, Hebrew, Spanish

Primary Educn., Religious Educn., 2 yrs. pt.-time. Social Studies, 2 yrs. (1 for grads). Engin. (Gas, Chem., Mining), Fuel Technol., Metall., Ceramics, Dyeing, Leather, Textile Industries, 3 yrs., reducible under certain conditions to 2. Colour Chem., 4 yrs. Pt.-time for apprentices: Gas Engin., Fuel and Metall., 4 yrs.; Colour Chem. and Dyeing, 5 yrs. Pub. Health, 18 mos.' pt.-time study, commenced 2 yrs. after graduation. Psychological Med., 3 yrs. Nursing, involving 4 yrs.' hospl. training and 3 terms' lectures. (Pt.-time) Dental Surg., 4 yrs. including 2 in Univ. Cert. in Teaching of Hebrew—one yr. after obtaining Dipl. in Hebrew or equivalent qualification. Nurse Teacher's Cert.

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, special 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., including Pre-registration course, hospl. practice and maternity hostel residence, £355. Dent. (including hospl. practice and pupilage): Dipl., £270; Degree, £290; Res. fee, £15 to £22 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.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs.: see Appendix II.

RESIDENCE. (For Wardens see "Administrative and other Staff," p. 155.) For Women (fees—£93-£96 per session): Weetwood Hall, Far Headingley, Leeds 6, 98 students; Oxley Hall, Far Headingley, Leeds 6, 116 students; Lupton Hall, Wood Lane, Headingley, Leeds 6, 35 students; Eilerslie Hall, Cavendish Rd., Leeds 1, 11 students; Tetley Hall, Moor Rd., Leeds 6, 39 students. For Men (fees—£111 per session): Devonshire Hall, Cumberland Rd., Leeds 6, 172 students; Lyddon Hall, Virginia Rd., Leeds 2, 55 students; Woodsley Hall, Clarendon Rd., Leeds 2, 44 students; Sadler Hall, Church Lane, Adel, Leeds 6, 31 students. Croft Hall, Hyde Terrace, Leeds 2 (hostel for Maternity Clerks). Sites on the outskirts of the city have been acquired for further halls of residence for men and women.

APPOINTMENTS BOARD. (For Sec. see "Administrative and other Staff," p. 155.) Number of students and grads. on the Appts. Register, 1950-51: 594, made up of 187 Arts, 148 Sci., 187 Technol., 72 Educn.

OVERSEAS STUDENTS' COMMITTEE. Sec., The University.

AN OLD STUDENTS' ASSOCN. was formed in 1923 and now has branches in various parts of the country. The Hon. Secs. of the Assn. are Miss Jeanne Shoesmith 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. Information as to conditions of membership, etc., may be obtained from the respective Commanding Officers.

UNIVERSITY UNION. All students of the Univ. are members of the Univ. Union. 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 avail-

able, 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); *Annual Reports* of the Univ. and of Tech. Depts.; *Gryphon*, 6s. annually (students' magazine); *University of Leeds Review*, 4s. p.a. or 2s. 6d. per issue; *Union Handbook*; Prospectuses of various Depts. and Faculties.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. £15,000, residue of estate of W. Lowson for foundation of scholps. or fellowships in Dept. of Chem.; Anon., £10,000; £7000, residue of estate of Miss I. M. Bolton, for upkeep of observatory founded by her brother; G. W. Chapman, £2000; Miss G. Tetley, £2000; Miss C. Veale, £1000; L. L. Zossenheim, £500. Appeal for annual subscriptions launched during yr. met with considerable success. Promises of 270 subscriptions, a large proportion of which are guaranteed under deed for 7 yrs., have been recd. In all, £50,000 promised over a period of 7 yrs.

NEW BUILDINGS. Parkinson Bldg. (Central Block of Univ.) completed (opening ceremony performed by the Chancellor, H.R.H. The Princess Royal); foundations of new Refectory and Staff House begun; considerable repairs to farm bldgs. at new Experimental Farm: grain storage plant built and new Farm Dir.'s House begun; addl. lab. accomm. provided for Depts. of Civ. Engin., Chem., Zool. and Bot., and studio for Fine Art; new workshops provided for Electr. and Mech. Engin. and for Maintenance Electrician; house property adapted for use by Depts. of Dent., Econ., Soc. Studies and Psychol.; alterations to houses in Hyde Tce. to form labs. for Dept. of Biochem. begun; 2 houses in Clarendon Rd. adapted for use as annexe to Woodsley Hall for 20 men students; 3 large houses (Moor Grange, Moorfield Lodge and 38 Moor Rd.) adapted for use as a women's hall of residence (Tetley Hall), accommodating 50 women students.

NEW POSTS. Addl. Professorship in Geog.; addl. Lectureship in Pædiatrics and Child Health; addl. Clin. Lectureship in Neurol.

EXTRA-MURAL WORK. Title of dept. changed from "Dept. of Extra-Mural Studies" to "Dept. of Adult Education and Extra-Mural Studies." During the session 74 Tutorial Classes, 11 Prep. Tutorial Classes and 10 shorter courses have been undertaken. 2 wks.' Summer Sch. at Cottingham in co-operation with Hull U.C. and W.E.A., also residential 6-day course for trade unionists. Extension Lectures Cttee. organized 17 three-yr. courses, 5 one-yr. courses, 18 shorter courses and 3 single lectures. 2-wk. postgrad. Summer Sch. in co-operation with the Dept. of Inorg. and Phys. Chem. on "Optical Crystallographic Methods." Civilian Aid to Services Educn. continued.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. O. Asin, Madrid; Prof. H. J. Backer, Groningen; Prof. McK. Cattell, Corn.; Prof. Fritzsche, Aachen; Dr. Hillier; Dr. W. Holtzmann, Bonn; Prof. R. W. James, Cape T.; Prof. A. J. Kluyver, Technical High Sch., Delft; Prof. G. Lemaître, Louvain; Prof. Liljestrand, Stockholm; Prof. Lwoff; Prof. Magnel; Prof. K. Metz, Graz; Prof. Néel, Grenoble; Prof. G. Taylor, Tor.; Prof. Welsch, Liège; Prof. J. P. Wibaut, Amst.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Vice-Chancellor (Dr. C. R. Morris), American Univs.; Dr. K. Bowden, Canada; Ida Brown, Melb.; Prof. G. T. Cowling, Cal. Tech. and Prin.; A. W. de Rusett,

U.S.A. ; Dr. W. G. France, U.S.A. ; Dr. G. R. Fryers, Donner Inst., California ; Dr. G. A. Jeffrey, U.S.A. ; Dr. A. D. Walsh, U.S.A. ; Prof. J. LePatourel, London and Paris ; Dr. R. G. Paley, U.S.A. ; Dr. A. Ambery Smith, Edin.

RETIREMENTS. E. E. Bibby (Lat.) ; Prof. J. D. I. Hughes (Law) ; J. E. Laybourn (Clerk of the Fabric) ; Prof. R. Whiddington (Phys.).

RESIGNATIONS. J. L. Broadbent (Pharmacol.), apptd. to Univ. Coll., Ibadan ; E. A. Dawes (Biochem.) ; D. E. Dolby (Bacteriol.), apptd. to Lister Inst. ; Dr. Louise F. W. Eickhoff (Child Psychiatry) ; R. A. Kenney (Physiol.), apptd. to Colonial Res. Service ; K. Muir (Engl. Lang. and Lit.) apptd. to King, Alfred Chair in Engl. Lit., Liv. U. ; J. D. Pickup (Pædiatrics) ; Winifred F. Robson (Adult Educn. and Extra-Mural Studies) ; G. L. S. Shackle (Econ.), apptd. to Brunner Chair of Econ., Liv. U.

DEATHS. The Chancellor, His Grace the Duke of Devonshire ; J. Bain (member of Ct.) ; Col. H. D. Bousfield (member of Ct.) ; W. Lowson (staff member 1900-45) ; Dr. S. T. Rowling (Lectr. in Anæsthetics 1925-44) ; A. S. Rowntree (member of Ct.) ; W. Auty (Psychiatry Advisory Cttee.) ; E. Alcock (Engin. Cttee.) ; Alderman A. E. Masser (Observatory Cttee.) ; Sir Charles McGrath (Hon. Grad.) ; Prof. W. R. Atkin (member of Leather Dept. staff for 38 yrs.) ; K. G. T. Clark (Sr. Lectr. in Geog.) ; Dr. Doris Gunnell (Sr. Lectr. in French) ; H. J. Hodsman (Sr. Lectr. in Gas Chem.) ; L. R. Johnson (Sr. Lectr. in Agric. Zool.) ; Emer. Prof. J. W. Cobb (Livesey Prof. of Coal Gas and Fuel Industries, 1912-38) ; Emer. Prof. F. Smith (Prof. of Educn., 1933-47).

HONORARY DEGREES. None conferred during session 1950-51.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	385	2539
Women	85	706
Total	470	3245

Included in the above are 551 postgraduate students and 1290 first-year admissions.

DEGREES AWARDED. *Arts* (including Theol.), B.A., 218 ; B.Mus., 1 ; Ph.D., 5 ; M.A., 14 ; M.Ed., 5 ; B.D., 2. *Economics and Commerce*, B.A., 18 ; B.Com., 17 ; M.A., 1 ; M.Com., 2. *Law*, LL.B., 21 ; LL.M., 2. *Medicine* (including Dent. and Pharmacy), M.B., Ch.B., 66 ; M.D., 2 ; Ph.D., 1 ; B.Ch.D., 12. *Science*, B.Sc., 152 ; Ph.D., 14 ; M.Sc., 1. *Technology, Agric.* : B.Sc., 39 ; Coal Gas and Fuel Industries with Metall. : B.Sc., 21 ; Ph.D., 2 ; Colour Chem. and Dyeing : B.Sc., 8 ; Ph.D., 3 ; M.Sc., 1 ; Engin. : B.Sc., 61 ; Ph.D., 5 ; M.Sc., 5 ; Leather Industries : B.Sc., 6 ; Ph.D., 2 ; Mining : B.Sc., 10 ; Ph.D., 1 ; Textiles : B.Sc., 8 ; Ph.D., 4 ; M.Sc., 1.

UNIVERSITY OF LIVERPOOL*

Founded 1903

Postal Address : Brownlow Hill, Liverpool 3.

Telephone : Royal 6022.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—THE MARQUESS OF SALISBURY, K.G., LL.D.

PRO-CHANCELLORS—V. E. COTTON, C.B.E., T.D., M.A. Camb., J.P. ;
Sir JOHN R. HOBHOUSE, M.C., J.P.

VICE-CHANCELLOR—J. F. MOUNTFORD, M.A. Oxon. and Birm., D.Litt.
Birm., Hon. LL.D. Wales and Birm., Hon. Litt.D. Dub., Hon.
D.C.L. Oxon.

PRO-VICE-CHANCELLOR—Professor A. ROBERTSON, M.A. Aberd., B.Sc.,
Ph.D. Glas., F.R.S.

TREASURER—BERTRAM NELSON, J.P.

CHAIRMAN OF CONVOCATION—A. MCFARLAND, LL.M.

REGISTRAR—STANLEY DUMBELL, 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.

Jones, Tudor J., Sc.D. Glas.,
M.D. (Embryol.) Sr. Lectr.

Lecturers

Braithwaite, J. L., M.B., Ch.B.
Manc.

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.).

Macmillan, E. W., M.B.E., M.B.,
Ch.B. Edin. Asst. Lectr.

Demonstrators

Hewitt, W., M.B., B.S. Lond.

Reilly, T. D., M.B., Ch.B.

Lisowski, F. P.

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.

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

Coope, R., B.Sc., M.D., F.R.C.P.
(Clin. Chem.).

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. H. Gaskell Prof.

Lecturers

Knight, Margery, D.Sc., F.L.S.

Stirling, J., D.Sc. St. And., F.L.S.

Mathias, W. T., M.Sc. Wales,
Ph.D., F.L.S.

Coult, D. A., M.Sc. Lond., F.L.S.

Hare, C. L., M.Sc. Lond., Ph.D.
Aberd.

Vallance, K. B., M.Sc. Manc.

Celtic

Richards, G. M., M.A. Wales
(Welsh)

Hd. of Dept., Sr. Lectr.

Chemistry, v. also Biochem.

Robertson, A., M.A. Aberd., B.Sc.,
Ph.D. Glas., F.R.S.

(Org.) H. Harrison Prof.

Bawn, C. E. H., B.Sc., Ph.D.
Brist., F.R.S. (Inorg. and
Phys.) Grant Brunner Prof.

..... (Indust.) Campbell Brown
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.
(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., B.Sc., Ph.D.,
F.R.I.C. (Org.).

Spice, J. E., B.Sc., M.A., D.Phil.
Oxon. (Inorg. and Phys.).

Meara, M. L., B.Sc., Ph.D. Brist.,
F.R.I.C. (Org.).

Grimley, T. B., B.Sc., Ph.D. Brist.
(Inorg. and Phys.).

Assistant Lecturers

Dean, F. M., B.Sc., Ph.D. (Org.).

Holker, J. S. E., M.Sc. (Org.).
 Shaw, A., M.Sc. Manc. (Inorg. and
 Phys.).
 Skirrow, G., B.Sc., Ph.D. Lond.
 (Inorg. and Phys.).
 Powell, A. D. G., B.Sc. Syd.
 (Org.) Demr.

Civic Design

Stephenson, G., M.C.P. M.I.T.,
 B.Arch., F.R.I.B.A.
 Lever Prof.
 McCaughan, R. E. M., M.A.,
 B.Arch. Sr. Lectr.
 Reynolds, Josephine P., B.Arch.
 Lectr.
 Howell, B., 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.
 Asst. Lectr.
 Scott, W. M. F., M.A. Oxon.
 (Hellenistic G.) Hon. Lectr.

Classics : Latin

Brink, C. O., M.A. Oxon., Ph.D.
 Berl. Prof.
 Bonner, S. F., M.A. Camb.
 Sr. Lectr.
 Townend, G. B., M.A. Oxon.
 Lectr.
 Gee, Cynthia F. H., M.A. Penn.
 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., Dean
 Fac. of Arts.
 Shackle, G. L. S., B.A., Ph.D.
 Lond., D.Phil. Oxon.
 Brunner Prof.
 Checkland, S. G., M.Com. Birm.
 Sr. Lectr.

Lecturers

Robertson, W., M.A. St. And.
 Clayton, G., M.A. Camb.
 Please, S., B.Sc. (Econ.) Lond.
 Assistant Lecturers
 Osborne, W. T., M.A. Camb., B.Sc.
 (Econ.) Lond. (Ec. Stat.).
 Marriner, Sheila, M.A. (Ec. Hist.).
 Parker, H. R., B.A.
 Saul, S. B., B.Com. Birm. (Ec.
 Hist.).
 Sudworth, J. F., M.A. Glas.

Education

Porteous, A. J. D., M.A. Edin. and
 Oxon. Prof.
 Land, F. W., M.A., Ph.D. Lond.
 Sr. Lectr.

Lecturers

Spence, Margaret E., M.A. 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.
 Doran, W., M.Sc. Sp. Lectr.
 Moore-Rinvulcri, Mrs. Mina J.,
 D. de l'U. Stras., M.A.
 Larwood, H. J. C., M.Sc., M.Ed.
 Durh., F.R.A.S.
 Edwards, E., M.A. Tor., B.Sc.
 Wales Sp. Lectr.
 Illingworth, Sarah, B.Sc.
 Tutor and Demr.
 Monkhouse, F. J., M.A. Camb.
 Sp. 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.
Asst. Lectr.

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.

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.

Assistant Lecturers

Zaina, Lucrezia A., M.A.

Chadwick, C., M.A.

3 French Tutors.

Geography

Smith, W., M.A. Rankin Prof.

Lecturers

Monkhouse, F. J., M.A. Camb.

Wilkinson, H. R., M.A.

Lawton, R., M.A.

Learmonth, A. T. A., M.A. Edin.

Gresswell, R. K., M.A., F.R.S.A.,
F.G.S. Sp. Lectr.

Gregory, S., B.A. Lond.

Asst. Lectr.

Geology

Shackleton, R. M., B.Sc., Ph.D.

Herdman Prof.

Harper, J. C., M.Sc. Lond., Ph.D.,
F.G.S. Lectr.

Assistant Lecturers

Manistre, B. E., M.A. Camb.,
F.G.S.

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

Bathurst, R. G. C., B.Sc. Lond.

German

Collinson, W. E., M.A. Lond.,
Ph.D. (also Hon. Lectr. in
Comp. Philol.) Prof.

Picton, Ænid, B.A. Wales Lectr.

Wirtz, Erika A., B.A. R'dg.

Assistant Lecturers

Wiener, F. I., M.A. Manc., Dr.Phil.
Bres.

Heydorn, Marianne H. G., Dr.Phil.
Hamburg.

Hebrew and Ancient Semitic Languages

Martin, W. J., M.A. Dub., B.D.
Princeton Theol. Sem., Ph.D.
Leipzig Rankin Lectr.

Hispanic Studies: Portuguese and Catalan

Peers, Prof. E. Allison, M.A. Camb.
and Lond., LL.D. Glas.

Hon. Lectr.

Lecturers

Lamb, N. J., M.A. (Portuguese).
Rebello, L. de S. (Portuguese).

Hispanic Studies: Spanish

Peers, E. Allison, M.A. Camb. and
Lond., LL.D. Glas.

Gilmour Prof.

Lara, María V. de, Lic. en F. y L.
Madrid Lectr.

Hall, H. B., B.A. 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.

History, Eccl., v. Affild. Instns.,
p. 174.

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.

Waller, Elizabeth M. L., B.A.
Asst. 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. Asst. Lectr.

Italian

Faithfull, R. G., B.A. Lond. 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.

Davies, D. R. Seaborne, M.A.
Camb., LL.B. Wales (Common L.)

Prof., Dean Fac. of Law.

Geddes, W., M.A., LL.M. (Constnl.
and Roman L., Priv. Int. L.
and Jurisp.)

Warr Mem. Lectr.

Vaines, J. Crossley, LL.M.
Lectr.

Newton, J. D., LL.B. Lond.
Lectr.

Taylor, A. J. E., LL.M. (Local
Govt. L.) Lectr.

McNeill, D. B., B.C.L., M.A.
Oxon. Asst. Lectr.

Taylor, C. C., F.C.A. (Book-keep-
ing and Trust Accounts)

Sp. Lectr.

Unsworth, M.A., LL.B. (Articled
Clerks' Classes) Sp. Lectr.

Marine Biology, etc., v. p. 173

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, Julianne, 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.
Batty, Joyce S., M.Sc. Lectr.
Maitland, Barbara J., M.A., Ph.D.
Camb. Lectr.
Flett, T. M., M.Sc. Lond., Ph.D.
Camb. Asst. Lectr.

*Medicine, v. infra**Music*

Abraham, G. E. H., M.A., F.T.C.L.
James and Constance
Alsop Prof.

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. Asst. Lectr.

*Parasitology, v. Entomology**Philology, Comparative, v. German**Philosophy*

Dorward, A. J., M.A. Edin. and
Camb. Prof.
Clark, Pamela M., M.A. 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.
..... (Exper. Physics) Prof.
Roberts, R. W., D.Sc. Reader.
Le Couteur, K. J., M.A., Ph.D.
Camb. (Theor. Phys.)
Sr. Lectr.

Lecturers

Ablett, R., M.Sc., F.I.P.
Ashmore, A., B.Sc. Lond.
Edwards, E., M.A. Tor., B.Sc.
Wales (also Educn.).
Green, L. L., M.A., Ph.D. Camb.
Holt, J. R., B.Sc., Ph.D.
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. (Theor. Phys.).
Willmott, J. C., Ph.D., B.Sc. Lond.
Warren, J. W., M.Sc., Ph.D. 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. Leverhulme Fellow.
Calvert, J. M., M.A. Oxon. Demr.

Physiology and Histology

Gregory, R. A., D.Sc., Ph.D.
George Holt Prof.
Hancox, N. M., M.D. (Histol.)

Reader.

Brunton, C. E., M.A., Sc.D., M.D.
Dub. (Physiol.) Sr. Lectr.

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 Lecturers

Howell, F. R., M.B., Ch.B.
Nieman, E. A., M.B., Ch.B.
Weiskopf, H., B.Sc., M.B., Ch.B.
Cape T.

Psychology

Hearnshaw, L. S., M.A. Oxon.,
B.A. Lond. Prof.

Crawford, Agnes, B.A., Ph.D.
Lond. Lectr.

Vidor, Martha, Ph.D. (Child
Psychol.) Lectr.

Leveson, I., M.D., D.P.M. (Ab-
normal Psychol.) Lectr.

Bromley, D. B., B.A. Manc.
Asst. Lectr.

Worthington, D. B., B.A. Manc.
Demr.

Leytham, G. W. H., M.A. Calif.

Russian

..... Bowes Prof.
Christian, R. F., M.A. Oxon.
Lectr. in charge.

Social Anthropology

..... Frazer Prof.

Social Science

Simey, T. S., M.A. Oxon.
Charles Booth Prof.
Chapman, D., B.Sc. (Econ.) Lond.,
Ph.D. Sr. Lectr.

Kerr, Madeline, M.A. 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.

Please, S., B.Sc. (Econ.) Lond.
(Pub. Admin.) Sp. Lectr.

Read, Doris B. Tutor.

Checkland, Edith O. A., B.A.
Birm. (Pub. Admin.) Tutor.

Scott, W. H., B.A., Ph.D. (Pub.
Admin.) Tutor.

Robertson, W., M.A. St. And.
(Pub. Admin.) Sp. Lectr.

Deed, Dorothy M. Tutor.

Osborn, W. T., M.A. Camb., B.Sc.
(Econ.) Lond. (Pub. Admin.)
Tutor.

Clayton, G., M.A. Camb. (Pub.
Admin.) Sp. Lectr.

Senior Research Workers

Woodward, Joan, M.A. Durh.

Lupton, T., B.A. Oxon.

Scott, W. H., B.A., Ph.D.

Research Workers

Wright, Joan A., B.A.

Chisholm, Mary V. J.

Gittus, Elizabeth.

Junior Research Worker

Pearson, Mrs. A. Margaret, B.A.

*Spanish, v. Hispanic Studies**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)).

Garner, R. J., M.A. Camb. (Vet.
Biochem.).

Maneely, R. B. (Vet. Histol.).

Singleton, A. G., B.V.Sc. (Vet.
Phys.).

Harding, H. P. (Vet. Path.).

Cross, M. H., B.V.Sc. (Farm Anim.
Med. and Surg.) Asst. Lectr.

Ward, Gwendolen H. (Small Ani-
mal Med. and Surg.) Demr.

Welsh, v. Celtic

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.).

Herdman, E. Catherine, M.Sc.

Hon. Lectr.

Smith, C. L., B.Sc., Ph.D. (Experi-
mental Zool.).

Jones, I. C., B.Sc., Ph.D., F.L.S.

Dentistry

D. Anæsthetics

Halton, J., M.B., Ch.B., D.A.,
F.F.A.R.C.S. Lectr.

D. Prosthetics and Mechanics

Watt, G. V., F.D.S.R.C.S.
Supervisor and Sr. Lectr.

*D. Surgery, D. Pathology, D.
Bacteriology*

Stones, H. H., M.D., M.D.S.
Manc., F.D.S.R.C.S. (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.

Lecturers

Hartles, R. L., B.Sc., Ph.D. (Bio-
chem.).

Farmer, E. D., B.A. Camb., M.D.S.,
F.D.S.R.C.S. (Parodon. Dis.).

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.
 Myers, G. E., M.S. Mich., B.D.S.,
 F.D.S.R.C.S.
 Collinge, J. S. H., F.D.S.R.C.S.
 Pearson, S. L., B.D.S. Asst. Lectr.

Odontology

Guyler, T. W. C., B.D.S. Lectr.

Orthodontics

Softley, J. W., B.D.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.

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.
 Asst. Lectr.

Electrical Engineering

Meek, J. M., D.Eng., F.I.P. (Elect.
 Power E.) D. Jardine Prof.
 Rankin 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.

Assistant Lecturers

Aldred, A. S., M.Sc. Leeds.

 Gambling, W. A., B.Sc. Brist.

Engineering, Contracts and Specifications

Gordon, C. G. S., T.D., LL.B., J.P.
 Lectr.

Fluid Mechanics

Kearnton, W. J., D.Eng. (Prof. of
 Mech. Engin.) Actg. Hd.
 Lectr.

Mechanical Engineering

Kearnton, W. J., D.Eng.
 Harrison Prof., Dean
 Fac. of Engin.

Lecturers

Cole, E. B., M.Sc. Brist.
 Norbury, J. F., M.Eng.
 Smith, G., B.Sc. (Eng.) Manc.
 Calvert, N. G., B.Eng., Ph.D.
 Livesey, J. L., B.Sc. (Eng.) Manc.

Assistant Lecturers

Barrow, H., M.Eng.
 Keith, J. MacL., B.Sc. Belf.
 Miller, W. Lab. Supt.
 Ainsworth, H. (Pattern Making)
 Instr.

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. (Fabrica-
 tion Processes).

Naval Architecture

..... Alex. Elder Prof.
 Wilson, J. C. M., M.Eng.
 Lectr. in charge.
 Smith, R. Munro Lectr.

Medicine

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

Anæsthesia

Gray, T. C., M.D., D.A.,
F.F.A.R.C.S. Reader.

Rees, G. J., M.B., Ch.B., D.A.
Hon. Lectr.

Dundee, J. W., M.B., 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., Dean Fac. of Med.

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.

Clinical Preventive Pædiatrics

Bell, Ruby E., M.B., Ch.B., D.P.H.
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

Grace, W. H., B.Sc. Syd., M.D.,
D.P.H. Lond., F.R.C.P. Lectr.

Laryngology

Forster, H. V., M.C., M.Sc., M.B.,
Ch.B., F.R.C.S.

Lectr. in charge.

Materia Med., Pharmacy, Pharmacol. and Genl. Therap.

Wilson, A., M.D., Ph.D.,
F.R.F.P.S. Glas.

(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.

Medicine

Cohen, Sir Henry, D.Sc. N.U.I.,
M.D., F.R.C.P., F.F.R., J.P.

Prof.

Chamberlain, E. N., M.Sc., M.D.,
F.R.C.P.

Sr. Lectr. (Med.), Lectr.

(Clin. Med.) & Lectr.

in Med. for Dent.

Students.

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 Pre-Clinical Med. and
Asst. Lectrs. in Clin. Med.

Clarke, C. A., M.A., M.D. Camb.,
F.R.C.P.

Hughes, R. R., M.D.

Jones, A. T., M.D., D.P.H.

Sutton, W. S., M.B., Ch.B.

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.

Evans, R. M., M.A., M.B., B.Ch.
Camb.

Asst. Lectr. in Clin. Med.

Obstetrics and Gynæcology

Jeffcoate, T. N. A., M.D.,
F.R.C.S.Ed., F.R.C.O.G.

Prof.

Bender, S., M.D., F.R.C.S.Ed.
Lectr. and First Asst.

Gemmell, A. A., M.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.

Assistant Clinical Lecturers

Marshall, C. M., M.B., Ch.B. N.Z.,
F.R.C.S.

Mayeur, Mary H., M.D. Lond.,
F.R.C.S.

Wilson, J. K., M.B., Ch.B.
(Obstet.) Tutor.

Menzies, D. N., M.B., Ch.B. 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.
Sr. Lectr.

Lecturers

Davis, J. C., M.B., Ch.B.

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., 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

Frazer, W. M., O.B.E., M.D.,
M.Sc., D.P.H. Prof.

- Semple, A. B., M.D., D.P.H. Glas.
 (Pub. Health Admin.) Lectr.
 Thomas, O. F., D.P.H. (Tubercu-
 losis) Hon. Lectr.
Radio-diagnosis [Lectr.
 Whitaker, P. H., M.D., D.M.R.E.
 Hon. Asst. Lectrs.
 Ross, J. A., M.A. Camb., D.M.R.E.
 Rubin, E. L., M.D., F.F.R.,
 D.M.R.E.
 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 [Prof.
 Wells, C. A., M.B., Ch.B., F.R.C.S.
 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.B., F.R.C.S.
 Lectr. and 1st Asst.
 Schofield, T. L., M.B., Ch.B.,
 F.R.C.S. Lectr. and 2nd Asst.
 Shepherd, J. A., M.D., Ch.M. St.
 And., F.R.C.S. Ed. Lectr.
 Kerr, A. S., M.B., Ch.B., F.R.C.S.
 Lectr.
 Oldham, J. B., M.B., Ch.B.,
 F.R.C.S.
 Lectr. & 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.
 Lectr. and Hon. Asst.
 Clin. Lectr. Thoracic S.
 Hughes, J. Howell, M.D., Ch.M.,
 F.R.C.S.
 Lectr. and Asst. Lectr.
 (Clin. S.).
 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.
 Lectr. (Pre-Clin. S.) and
 Asst. Lectr. (Clin. S.).
 Dwyer, F. C., M.B., Ch.B. Cape T.,
 M.Ch. Orth., F.R.C.S. (Pre-
 Clin. S., Clin. Orth. S.) Lectr.
 Hunter, W. R., Ch.M., F.R.C.S.
 Lectr. (Pre-Clin. S.) and
 Asst. Lectr. (Clin. S.).
 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. in Orthop. S.
 Wardle, E. N., M.B., Ch.B., M.Ch.
 Orth., F.R.C.S.
 Lectr. and Clin. Lectr.
 (Orthop. S.) and Lectr.
 (Pre-Clin. S.).
 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.
 Lectr. (Pre-Clin. S.) and
 Asst. Lectr. (Clin. S.).

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.)
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.

Asst. Clin. Lectr. and
Lectr. (Clin. S. to
Dental Students).

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.
Lectr. (Pre-Clin. S.) &
Asst. Lectr. (Clin. S.).

Macphee, I. W., M.B., Ch.B.,
F.R.C.S., F.R.C.S.Ed.
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.

Tropical Medicine

Maegraith, B. G., M.B., B.S. Adel.,
B.Sc., D.Phil., M.A. Oxon.

A. 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., B.M.,
B.Ch. Oxon., D.T.M. & H.

Lectr.

**William Mitchell Banks Memorial
Lecturer**

(Surgery—every 2nd yr.)

.....

Forwood Lecturer (Philosophy
and History of Religion)

.....

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)

1952–53—Prof. S. E. Rasmussen.

Sherrington Lecturer (Physio-
logy—every 2nd yr.)

1953—Prof. Sir Geoffrey Jefferson,
C.B.E., M.S. Lond., F.R.C.P.,
F.R.C.S., F.R.S.

Shute Lecturer (Art of the
Theatre)

1952–53—W. E. Williams, C.B.E.

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., F.L.S.
Williamson, D. I., B.Sc., Ph.D.
(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).	Stott, Jean, B.A. (Soc. Sci.).
Bagley, J. J., M.A. (Hist.).	Williams, J. G., B.A. Wales (Hist.).
Junior Staff Tutors	Joint Secs. to the Jt. Cttee. on Tutorial Classes
Barford, P. T., B.Mus., M.A. Leeds (Music).	Garstang, F., M.A.
	Kelly, T., M.A. Manc.

ADMINISTRATIVE AND OTHER STAFF

Lectr. in Phys. Educn.: R. E. Dunn, B.Sc. Lond. 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.: G. H. G. Harris, D.F.C., B.A. Camb. Student Welfare Officer: Mrs. Merle Myers, B.A. Manc. 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. Canon H. Stanley Astbury, M.C., M.A. Camb. Recognized Teachers—E. Pickup, B.A. (in *French*); J. L. Bradbury, M.A. (in *Engl.*); J. S. Stephens, B.A. (in *Geog.*); F. W. Hooper, B.Sc. (in *Chem. and Physics*); W. E. Lewis, M.A. (in *Maths.*).

SCHOOL OF TROPICAL MEDICINE, Pembroke Place, Liverpool 3. (*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., 6 mos.' course.

PATHOLOGICAL LABORATORY, County Mental Hospital, Rainhill. (*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. F. E. Hyde (Econ. Sc.) ; *Engineering*, Prof. W. J. Kearton (Mech. E.) ; *Law*, Prof. D. R. Seaborne Davies (Common L.) ; *Medicine*, Prof. A. W. Downie (Bacteriol.) ; *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. Two 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 qualifns. of candidates; Study of Records and Admin. of Archives, 1 yr. for full-time students, 2 yrs. for others; Industrial Sociol., 2 yrs. or 1 yr., according to qualifns. of candidates; Applied Psychol., 2 yrs. or 1 yr., according to qualifns. 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; Care of Children and Young Persons, not less than 12 mos.; Public Health, 1 term; Engin., 4 yrs. (3 yrs. for approved candidates); Univ. Extension courses, 1 yr.

FEES. Guild of Undergrads., £4 : 4s. p.a. DEGREE COURSES: B.A. or B.Com. (3 yrs.), £90 (B.A. Special Studies, 4th yr., £10); M.A. or M.Com. (sessional), £7 : 7s.; B.Arch. (5 yrs.), £195; B.Sc. (3 yrs.), £120 (B.Sc. Hons., 4th yr., £30 or £40); M.Sc. (sessional), Maths., £7 : 7s.; other subjs., £10. M.B., Ch.B. (6 yrs.), £285 : 16 : 6; 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 candidates taking res. and degrees with res. (Sci., Med., Eng., 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; Eng., £3; D.P.H., D.M.R. (D. or T.), £10 : 10s.; D.T.M. & H., £6 : 6s. Certif. Examns., Eng., £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. and H., £3 : 3s.; Dipl. Eng., £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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs.: see Appendix II.

RESIDENCE. (For Wardens see "Administrative and other Staff," p. 174.) For Women: University Hall, Holly Rd., Fairfield, Liverpool 7, 130 students; Rankin Hall, 38-46 Ullet Rd., Liverpool 17, 112 students. For Men: Derby Hall, North Mossley Hill Rd., Liverpool 18, 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.

APPOINTMENTS BOARD. (For Sec. and Asst. Sec., see pp. 161 and 174.) 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 A. Dudley Ward, C.B., C.B.E., D.S.O., C.O. : Lieut.-Col. R. W. Stephens, M.B.E., M.A. Adjutant : Major P. R. C. Thomas.

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. W. G. Bennett, 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., Sphinxter*, 2s. 6d. p.a. (3 numbers per session) ; *Report on Research and other Original Work* (Nov.), free ; *Inaugural Lectures*. Issued in 1920, *inter alia*, *School of Tropical Medicine Historical Record*, 1898-1920, 10s. 6d. *A Brief Record of Work and Progress* (1882-1907 ; 1903-28).

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. Among recent publicns. are two English series, a geographical series and a growing number of historical books. 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 1950-51

SUBSTANTIAL BENEFACTIONS. Nuffield Foundation, £3575 to Dept. of Soc. Sci. ; Leverhulme Charities Trust, £3333 : 6 : 8 towards the Leverhulme Fellowships ; C. Brotherton & Co. Ltd., £1000 in aid of the Res. Lectureship in Org. Chem. ; Cow and Gate, Ltd., £1000 towards Fellowships in Dept. of Child Health ; Royal Society, £780 being donation of £700 towards Dept. of Zool. and £80 to Dept. of Physiol. ; Messrs. J. Bibby and Sons, Ltd., £750 being £250

each to Dept. of Indust. Chem., Dept. of Biochem., and Vet. Field Stn.; Distillers Co., Ltd., £500 to Dept. of Inorg. and Phys. Chem.; Pilkington Bros., Ltd., £500 including £200 in aid of the Travelling Studentships in Archit.; Management Trustees of C. Brotherton Trust, £400 towards Postgraduate Studentships; Goodlass, Wall and Co., Ltd., £400 towards the Postgraduate Studentship in Chem.; Instituto para a Alta Cultura, £370 : 14 : 8 in aid of Portuguese Lectureship and Library; County Borough of Dudley, £250 towards res. in Dept. of Soc. Sci.; Inst. of Petroleum, £250 being first instalment of grant of £500 for establishment of Res. Scholp. in Dept. of Inorg. and Phys. Chem.; Univ. of Liverpool Gift Fund, £250 towards cost of furnishing Tate Hall; Liverpool Teachers' Cancer Res. Fund, £200 for cancer res.; Monsanto Chemicals, Ltd., £150 to Dept. of Zool.; Anglo-Saxon Petroleum Co., Ltd., £100 towards geological field work; I.C.I., Ltd., £100 towards Dept. of Indust. Chem.; Martins Bank, Ltd., £100 to Sustentation Fund; Royal Insurance Co., Ltd., and British and Foreign Marine Insurance Co., Ltd., £100 per L.C.S.S.; I.C.I. (Pharmaceuticals), Ltd., £100 to Dept. of Vet. Pathol.; Liverpool and London and Globe Insurance Co., Ltd., and The Thames and Mersey Marine Insurance Co., Ltd., £100 per L.C.S.S.

NEW BUILDING. Civic Design Building, opened Nov. 1951.

NEW DEPARTMENT AND POST. Dir. of Studies in Psych. Med.

PRINCIPAL CHANGES IN REGULATIONS. Ordinances have been made or amended dealing with the following: Constitution of Facs., Degrees of B.Sc., M.D., M.Ch.Orth., Dipl. in Indust. Sociol., Dipl. in Appl. Psychol. Regns. have been made or amended dealing with the following: Degrees of B.A., M.A., B.Arch., M.Ch.Orth., B.Eng., Dipl. in Indust. Sociol., Dipl. in Appl. Psychol. Herdman Univ. Postgraduate Studentship in Mar. Zool., Fac. of Med. Undergraduate Scholps., Sir Robert Kelly Memorial Medal in Surg., Kanthack Medal, E. W. Hope Prize in Public Health, Edward Forbes Prize, George Adami Prize in Pathol.

EXTRA-MURAL WORK. Total of 60 Extension courses and 69 single lectures arranged during the yr., comprising 506 meetings and enrolling 1951 students. Number of courses and students higher than in any previous yr. In assoc. with W.E.A. 74 3-yr. tutorial classes arranged, with 976 registered students; and Dept. also collaborated in organization of the W.E.A. Summer School at Swansea. Additional Asst. Dir. and 2 additional staff tutors apptd.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. O. Assin, Madrid; Dr. P. Ayre, Newcastle; Prof. Sir Frederic Bartlett, Camb.; Prof. S. H. Beaver, N. Staffs.; Dr. T. H. B. Bedford, Manc.; Prof. J. M. Blecua, Zaragoza; Prof. J. T. Campbell, Wellington; Prof. W. Cole, Ill.; Prof. I. Crookes, Auckland; Prof. S. Cullen, Iowa; Prof. K. J. Franklin, Lond.; Prof. J. F. Fulton, Yale, "The Frontal Lobes and Human Behaviour"; Dr. E. H. Gombrick, Lond., "The Palazzo del Te"; Prof. R. D. Haworth, Sheff.; Dr. W. O. Henderson, Manc.; Prof. A. V. Hill, Lond.; Dr. Hilton, Manc.; F. W. Holdsworth, Sheff.; Prof. E. R. H. Jones, Manc.; Prof. B. S. Keirstead, McG.; Prof. C. R. Knight, Auckland; Prof. Sir James Learmonth, Edin., "Some Aspects of Portal Hypertension"; Dr. Katherine Lloyd-Williams, Lond.; Dr. A. Low, Lond.; Prof. J. McMichael, Lond.; Dr. W. R. Mead, Lond.; Prof. K. Menon, Madras; Dr. G. Newnes, Lond.; Dr. G. Organe, Newcastle; Dr. R. Presthus, S. Calif.; Prof. Rogosinski, Leeds; Emeritus Prof. C. Singer, Lond., "How not to Practise Medicine"; Prof. Sokulu, Ankara; Miss D. Silvester, Manc.; Prof. A. Tovar, Zaragoza; Dr. J. C. Trevor, Camb.; Prof. Turunen, Helsinki; Prof. O. Wagner, Giessen; Prof.

S. S. Wilks, Prin.; Dr. Wisdom, Lond.; M. J. Wise, Birm.; Prof. G. L. Woods, Melb.; Prof. W. B. Woodward, Harv.; Prof. T. E. Zenner, Lond.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Armstrong, Lond., "Hellenistic Culture: the Basis of Later Revivals of Learning"; Dr. Bradley, Manc.; Prof. Collinson, Lond., Kiel; Prof. Downie, Lond.; E. D. Farmer, Camb.; Dr. Flett, Manc.; Prof. T. N. A. Jeffcoate, Lond., Oxon.; Dr. C. Lewy, Ill.; Dr. Liebeschütz, Lond.; C. M. Marshall, Cairo, Alexandria; G. E. Myers, Mich.; Prof. Potter, Oxon., "The Editing of Middle English Texts"; Prof. Rosenhead, Harv., Tor.; Prof. Simey, Mün.; G. L. Slack, Manc.; L. Sowerby, Manc.; Prof. Walbank, Nancy, "The Classical Heritage in European Civilization"; Prof. Whittaker, Manc., Durh., Sorbonne, Caen; Joan Woodward, Mün.; Prof. Wright, Khartoum, Uganda.

RETIREMENTS. Prof. H. A. Ormerod (Anc. Hist. and Class. Archæol.); Prof. L. C. Martin (Engl. Lit.); Prof. T. P. Hilditch (Indust. Chem.); J. T. Morrison (Dean, Fac. of Med.); Dr. E. Neaverson (Sr. Lectr. in Geol.).

RESIGNATIONS. Dr. R. T. Ackroyd (Electro-technics); C. W. Atkin (Geog.); Dr. Pamela J. Alexander (Physiol.); Dr. M. B. Bruce (Gynæcol.); Mrs. Joan D. Cole (Child Care); Rev. J. W. Dixon (Eccles. Hist.); Margaret Dixon (Psychol.); D. E. Elliott (Mech. Engin.), apptd. to Ministry of Fuel and Power; Dr. W. Ellis (Anat.); D. W. Emery (Mech. Engin.), apptd. Lectr. in Birm. U.; Dr. R. Gamlin (Clin. Pæd.); M. Gaskin (Econ.), apptd. Asst. Lectr. in Glas. U.; T. M. Higham (Psychol.); Dr. W. S. Holden (Radiodiag.); R. W. Hutchinson (Anc. Hist. and Class. Archæol.), apptd. Lectr. in Class. Archæol. at Camb. U.; Dr. M. A. G. Kaye (Biochem.); J. A. Lamberton (Demr. in Org. Chem.); Margaret Lester (App. Maths.); Dr. H. T. Levi (Dent. Pathol. and Bacteriol.); Mrs. Eleanor Lewy (Econ.); Dr. Blair Macaulay (Asst. to Dean, Fac. of Med.); J. C. MacKenzie (Asst. Registrar and Esquire Bedell); Mary K. Marchant (Anat.); J. E. Marshall (Archit.); M. L. Meyer (Mech. Engin.), apptd. to Dept. of App. Mech. in Sheff. U.; Dr. K. F. Morle (Radiodiag.); Dr. F. J. F. O'Rourke (Med. Entomol.), apptd. med. entomologist with Canadian Govt.; F. Valerie D. Pearson (Soc. Sci.); M. R. P. P. Pla (French); Dr. F. J. Prime (Anæsth.), apptd. Sr. Lectr. in App. Physiol. at Inst. of Dis. of Chest at Brompton Hospl.; Dr. A. E. Pritchard (Anat.); Shina Stevenson (Phys., Educn.) on her marriage; Dr. V. K. Summers (Pathol.); Miss Eluned E. Thomas (Phys.); J. Tomlinson (Archit.); Dr. Lilian M. Turton (Inorg. and Phys. Chem.); W. B. Vane (Soc. Stats.); Olive E. Vanes (App. Maths.); Mme Geneviève Villadier (French); M. J. Villadier (French); R. B. Welbourn (Surg.), apptd. to Mayo Foundation; A. G. White (Inorg. and Phys. Chem.), apptd. Lectr. in St. And. U.; C.-T. Young (Phys.).

DEATHS. Miss I. A. Abram (life member of Ct.); R. C. Brookes (Lectr. in Electr. Engin., 1920-51); Emer. Prof. J. H. G. Grattan (Engl. Lang. and Philol., 1930-43); Col. F. Hibbert (Hon. Graduate); Emer. Prof. J. Share Jones (Vet. Anat., 1904-38); Sir William Procter (Hon. Grad.); J. H. Rawlinson (Clin. Surg.); Dr. C. O. Stallybrass (Hon. Grad.); Col. the Rt. Hon. Oliver F. G. Stanley (Chancellor, 1948-50).

HONORARY DEGREES. *M.A.*—Maud Carpenter, of Liverpool Playhouse; W. H. Goss-Custard, Organist, Liverpool Cathedral; Frank Lambert, Dir., Walker Art Gallery; J. F. Smith, City Librarian. *LL.D.*—Hon. Mr. Justice Jones; Hon. Mr. Justice Lynskey; Prof. H. S. Taylor, Dean, Graduate Sch., Princeton Univ.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	308	2594
Women	48	703
Total	356	3297

Included in the above are 380 postgraduate students (318 men, 62 women) ; 723 first-year admissions (536 men, 187 women).

DEGREES. M.A., 20 ; M.C.D., 17 ; B.A. Hons. in Special Studies, 89 ; B.A. Hons. in General Studies, 15 ; B.A. in Special Studies, 1 ; B.A. in General Studies, 64 ; B.A. (War Service), 1 ; B.Arch. with Hons., 18 ; B.Arch. Ord., 31 ; B.Com. Hons., 7 ; B.Com. Ord., 15 ; D.Sc., 2 ; Ph.D. (Sci.), 28 ; M.Sc., 6 ; B.Sc. Hons., 86 ; B.Sc. Ord., 91 ; M.D., 7 ; Ph.D. (Med.), 1 ; Ch.M., 2 ; M.Ch.Orth., 12 ; M.Rad., 3 ; M.B., Ch.B. Ord., 78 ; B.D.S. Ord., 7 ; M.V.Sc., 2 ; B.V.Sc. Ord., 31 ; LL.B. Hons., 13 ; LL.B. Ord., 8 ; Ph.D. (Engin.), 3 ; M.Eng., 32 ; B.Eng. Hons., 36 ; B.Eng. Ord., 50.

[Information compiled as at 23/5/52;
Staff list revised on 26/9/52.]

UNIVERSITY OF LONDON*

Founded 1836

Postal Address: The Senate House, London, W.C.1.

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

VICE-CHANCELLOR—Professor H. HALE BELLOT, M.A. Oxon.

CHAIRMAN OF CONVOCATION—P. DUNSHEATH, C.B.E., M.A. Camb.,
D.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, B.C.L., M.A., D.Phil. Oxon.

CLERK OF THE COURT—J. R. STEWART, M.A. Durh.

SECRETARY TO THE SENATE—J. HOOD PHILLIPS, M.A. Oxon.

ACADEMIC REGISTRAR—J. HENDERSON, 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. Adviser to Overseas Students: Mary Trevelyan. Warden of
University Union: J. Waterman. Lodgings Officer: Mrs. Leslie H. Shirlaw,
B.A. Wardens of University Hostels: G. F. Troup Horne, B.A. (Connaught
Hall); Nora J. Mitchelhill, B.A. (Canterbury Hall); Mrs. Elizabeth Osman,
B.A. Oxon. (Nutford House).

University teaching is organized under 3 categories: (1) conducted
by the Univ. itself; (2) conducted by the several "Schools
of the Univ."; (3) conducted at the other Institutions at which there
are "Recognized Teachers of the Univ."

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

SCHOOLS AND INSTITUTIONS

For the convenience of readers these have been divided in the following reference list into University Institutions ; Non-Medical Schools ; Undergraduate Medical and Dental Schools ; Postgraduate Medical Schools ; Institutions with Recognized Teachers.

For a more precise differentiation *see* the University of London *Calendar*.

University Institutions

Courtauld Institute of Art (p. 199).	Institute of Germanic Languages and Literatures (p. 212).
Institute of Advanced Legal Studies (p. 201).	Institute of Historical Research (p. 213).
Institute of Archæology (p. 203).	School of Slavonic and East European Studies (p. 214).
Institute of Commonwealth Studies (p. 205).	Warburg Institute (p. 216).
Institute of Education (p. 207).	

Non-Medical Schools

Bedford College (for women) (p. 217).	Royal Holloway College (for women) (p. 253).
Birkbeck College (p. 222).	Royal Veterinary College and Hospital (p. 256).
Imperial College of Science and Technology (p. 226).	School of Oriental and African Studies (p. 258).
King's College (p. 234).	School of Pharmacy (p. 265).
King's College of Household and Social Science (p. 241).	University College (p. 267).
London School of Economics and Political Science (p. 243).	Westfield College (for women) (p. 281).
Queen Mary College (p. 249).	Wye College (p. 284).

Theological Schools (pp. 288-289)

*New College.

*King's College : Theol. Dept.

*Richmond College.

*London College of Divinity.

Undergraduate Medical and Dental Schools

Charing Cross Hospital Medical School (p. 290).	Royal Free Hospital School of Medicine (p. 308).
Guy's Hospital Medical School (p. 293).	St. Bartholomew's Hospital Medical College (p. 311).
King's College Hospital Medical School (p. 297).	St. George's Hospital Medical School (p. 314).
The London Hospital Medical College (p. 300).	St. Mary's Hospital Medical School (p. 317).
Middlesex Hospital Medical School (p. 303).	St. Thomas's Hospital Medical School (p. 320).
Royal Dental Hospital of London, School of Dental Surgery (p. 306).	University College Hospital Medical School (p. 323).
	Westminster Medical School (p. 327).

* Not in receipt of U.G.C. grants.

Postgraduate Medical Schools

British Postgraduate Medical Federation (p. 330) :—	Institute of Dental Surgery (p. 340).
Postgraduate Medical School of London (p. 334).	Institute of Cancer Research (p. 341).
Institute of Psychiatry (p. 335).	Institute of Diseases of the Chest (p. 341).
Institute of Laryngology and Otology (p. 336).	Institute of Cardiology (p. 342).
Institute of Ophthalmology (p. 337).	Institute of Dermatology (p. 342).
Institute of Child Health (p. 337).	Institute of Urology (p. 343).
Institute of Obstetrics and Gynæcology (p. 338).	Institute of Basic Medical Sciences (p. 344).
Institute of Neurology (p. 339).	
Institute of Orthopædics (p. 339).	London School of Hygiene and Tropical Medicine (p. 345).

*Lister Institute of Preventive Medicine (p. 349).

**Institutions with Recognized Teachers*

University of London: Goldsmiths' College (p. 350).	National Institute for Medical Research (p. 351).
Battersea Polytechnic (p. 350).	Northampton Polytechnic (p. 351).
Chelsea Polytechnic (p. 350).	Northern Polytechnic (p. 351).
College of Estate Management (p. 350).	Rothamsted Experimental Station (p. 351).
East Malling Research Station (p. 350).	Royal Academy of Music (p. 351).
Jews' College (p. 350).	Royal College of Music (p. 351).
John Innes Horticultural Institution (p. 350).	Sir John Cass College (p. 351).
Maria Grey Training College (p. 351).	Trinity College of Music (p. 351).
	West Ham College of Technology (p. 351).
	Woolwich Polytechnic (p. 351).

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

* Not in receipt of U.G.C. grants.

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. Institutions 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. It has power to recognize as Teachers of the Univ. members of the teaching staff of certain approved public educational institutions, whether Schools of the Univ. or not. Matriculated students of Schools of the Univ. or studying under such *Recognized Teachers* are eligible under certain conditions for registration as *Internal Students*, and are allowed, after pursuing Approved Courses of Study, to enter for the "Internal" examns. of the Univ. *External Students* may pursue their studies where and how they please, and are admitted, without any conditions as to attendance at Approved Courses (except in 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.

LIBRARIES. *The University Library* (over 550,000 vols. and pamphlets) provides a free lending library for students and well-equipped research libraries for postgrad. students. It includes the Goldsmiths' Library of Econ. Lit., foremost, on the historical side, among the econ. libraries of the country (c. 60,000 vols. and pamphlets), and the Durning-Lawrence Library containing an important collection of books by and about Sir Francis Bacon and a good working library on Shakespeare, including the four folios. The Library contains also a Periodicals Room, receiving over 2700 current periodicals, and a Music Library comprising scores and books on music, a pianola, gramophones, and collections of records and pianola rolls. The libraries of the Francis Galton Lab., the Commerce Degree Bureau, and a small students' library at Goldsmiths' Coll., New Cross, are also the property of the Univ.

There are also important specialized and general libraries belonging to the Schools and Institns. of the Univ., incl. those of Univ. Coll., King's Coll., the Inst. of Historical Research, the Inst. of Advanced Legal Studies, the Inst. of Commonwealth Studies, the Courtauld Inst., the Warburg Inst., the Med. Schools, the London School of Hygiene and Trop. Med., the School of Oriental and African Studies, the School of Slavonic and East European Studies, and the London School of Economics.

Further particulars of libraries of the Univ. are included in 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. S. J. Davies (King's Coll.) ; *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 Cttes. 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, 1952-53 : Oct. 8-Dec. 17 ; Jan. 7-March 18 ; April 22-July 1.

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, Household and Social Sci.—B.Sc. only), 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. See Appendix I.

EXTERNAL students for a Bachelor Degree take Intermediate or Preliminary and Final examns. at intervals prescribed in the Regns., and approximating (except in Med., Dental 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), 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 Otolaryngology, Institute of Ophthalmology, Institute of Child Health, Institute of Obstetrics and Gynaecology, Institute of Neurology, Institute of Orthopaedics, 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), 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. King's College of Household and Social Science (for women).

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. London School of Economics and University College.

Estate Management. College of Estate Management.

Courses for the Postgraduate Certificate in Education are held at the Institute of Education, King's College and Goldsmiths' College.

The following is a brief summary of the Regulations. There are many exceptions and exemptions in regard to which reference should be made to the latest edition of the *Regulations* published by the Univ.

ARTS. The following First Degrees are awarded: B.A. (General), B.A. Honours, B.A. (Architecture) (Internal only).

B.A. (General) and B.A. 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. (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. (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. of 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. ; 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. After Oct. 1952, preliminary qualifns. 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. (Household and Social Science). Normally a 3-yr. course (last entry, Oct. 1952). First (Inter.) Examn. in Phys., Inorg. Chem., Biol., Social and Econ. Hist. Second Examn. in Chem. (Org. and Phys.), General and Economic Biol., Principles of Econs. and Business Affairs. Final Examns. in Physiol. and Biochem., Hyg., Bacteriol. and alternative groups of specialized subjects. B.Sc. (Nutrition). Normally a 3-yr. course. First entry, Oct. 1953. Prelim. qualifns. 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 ; Academic Dipl. in Geog., 2 yrs. ; Academic Postgrad. Dipl. in Psychol., 2 yrs. ; External Dipl. in Biol., 1 yr. ; External Dipl. in Geog.

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*: 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. Educn. at Advanced level) may carry exemption in whole or part of First M.B. The Second Examn. for Med. Degrees (Human Anat., Physiol., Biochem. and Pharmacol.) is normally taken 5 terms after passing the First Examn. Revised Regns. will be introduced in Oct. 1953 in certain Medical Schools. (Students are advised to enquire at the Med. School of their choice.) The Pre-Clin. Examn., Part I, will be taken after 3 terms' study in a Med. School (no exemption on the grounds of Inter. Science, Higher School Certif. or G.C.E.) and the Pre-Clin. Examn., Pt. II, after a further 5 terms. 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. and Obstet. and Gynæcol. Pt. I may be taken after 30 mos.' course but after completing the 36 mos.' clinical course a candidate must enter for all pts. of the examn. in which he has not already passed.

Institutions outside the U.K. and Eire, certifs. from which for the complete course of Med. educn., including Clin. Med. and Surg. preparatory to the M.B., B.S. degrees for External students, are accepted by the Univ. of London subject to a yr.'s study in the U.K.: Univs. of Dalhousie, McGill, Toronto, Adelaide (with Infirmary), Melbourne (with Melb. and Alfred Hospls.), Sydney (with Infirmary and Prince Alfred Hospl.), New Zealand (with Dunedin Hospl.); following Indian and Pakistan Medical Colleges—Grant (Bombay), Seth Gordhandas Sunderdas (Bombay), Bengal (Calcutta), Lahore, Lucknow, Madras; Medical Coll., Colombo; Univ. of Malta; Sch. of Medicine, Cairo.

Higher Degrees in Medicine and Surgery. Ph.D. in Non-clin. Med.; M.D. and M.S. under Old Regns., last examn. in Dec. 1952. M.D. and M.S. under Revised Regns.: Pt. I may be taken not less than 2 academic yrs. and Pt. II not less than 5 academic yrs. after candidate has obtained M.B., B.S. degrees of the Univ. of London. (Exemption from Pt. I 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 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., Special Anat., and Histol.); 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., Pt. I (Med. Surg., Pathol. and Bacteriol., Pharmacol. and Mat.

Med.) not less than 2 yrs. after passing Second B.D.S., Pt. II ; Pt. II : (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 (beginning for the first time 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 ; in Medical Radiol. (Diagnosis or Therapy), 2 yrs. 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 (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.).

* External students are required to pursue the course at an Institution recognized for the purpose unless excused by reason of approved training and experience elsewhere.

The 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.

Except 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. 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 Inter. Examn. 1953, last Final Examn. 1955. Normally 3 yrs. Inter. Examn. in 4 subjects. Exemption from pt. of the Inter. Examn. may be granted under certain conditions. 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. are now coming into force. 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. Dip. in Social Studies (Ext.).

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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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 exams., 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. 182.) Hostels provided by the Senate: Canterbury Hall, Cartwright Gardens, W.C.1, 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, for 80 men students (fees, £90 to £120 per session of 30 weeks), and Nutford House, Brown Street, W.1, 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 Dominion and British men students.

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.; Hd. of Extension Section—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 certs. may be held at the end of each Sessional course. Short courses (5 or 6 lectures) of a *pioneer* or illustrative kind are arranged. Continuous study over several 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. establd. 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 the Engl. Lang. but of English customs, insttins. and art, by means of lectures, classes, visits, etc.

(f) *The Examination for the Certificate of Proficiency in Religious 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* 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*;

* The Univ. of Cambridge Local Examinations Syndicate also awards a Certificate of Proficiency in English, v. p. 109.

Social Theory and Structure ; History of Art ; Biblical and Religious Studies ; and International Affairs—are held once a year for students who have followed a recognized course of study for 4 yrs. as pt.-time students, or in special cases for a shorter period.

(l) The *Examn. for the 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.

(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 level only (except that Private Candidates may also take Advanced level subjects at that examn.). There are no Group requirements, and candidates may offer one or more subjects. The certif. is attested by the Minister of Education.

The Univ. is prepared to hold the examn. at schools and for Private Candidates overseas, provided that, in the case of schools in the Commonwealth and Empire, the application is received through the Govt. of the Dominion or Colony, or, in the case of schools in foreign countries, through H.M. representative.

Regns. are obtainable from the Sec. to the 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, 10s. 6d. incl. postage. *Gazette*, 9 issues per yr. ; annual subscription, 5s., single no., 8d., including postage. *Examn. Papers*, published as soon as possible after the several Examns. ; prices vary from 1s. 3d. to 2s. 6d.

Regulations. The following may be obtained on applicn. to the Univ. : Regns. relating to Univ. Entrance Requirements and Conditions of Matricn. ; Regns. for Int. and for Ext. Students (pubd. separately) for Degrees in Arts, 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. Applicns. for any of these should be addressed to Central Office.

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 1950-51

BENEFACTIONS. I.C.I. Ltd. contd. 12 I.C.I. Res. Fellowships for further 7 yrs. and increased average emolument from £600 to £800 p.a. ; Hoover Ltd. contd. Hoover Open Postgrad. Studentship for further yr. ; L.S.E. received £35,000 from Great Universal Stores to establish 10 scholps. in Bus. Admin. and £1500 annually for res. ; Imperial Relations Trust offered £4000 p.a., 1952-57, for Fellowships at Inst. of Educn. if balance of cost were raised from other sources ; Carnegie Corporation, \$30,000 to Inst. of Educn. for visits by U.S. lectrs. for period of 3 yrs., and anon. donor, £1000 to cover cost of visit to Inst. by Prof. G. F. Kneller, Yale, for session 1951-52 ; Simplified Spelling Society, £300 p.a. for 7 yrs. to Inst. for res. in English Spelling ; Nuffield Foundation, £1050 p.a. for 2 yrs. for res. on Synthesis of Cortisone at Birkbeck Coll., £10,000 over 3 yrs. to King's Coll. for res. in Biophys., £20,000 over 5 yrs. to University Coll. Hosp. Med. Sch. for res. in Dept. of Chem. Path., grants totalling £44,300 to University Coll., including £4950 for Physiol. res. for 3 yrs., £3250 for 5 yrs.' res. on Embryonic Brain, and £2000 for 2 yrs. in conjunction with £1600 from Rockefeller Foundation for res. in Dept. of Town Planning ; Rockefeller Foundation, \$28,500 over 5 yrs. to University Coll. for res. in Galton Lab. and \$2500 for res. equipment in Mammalian Genetics, \$10,000 to Lond. Sch. of Hyg. for Pub. Health res. and £1500 to Inst. of Commonwealth Studies ; Bollingen Foundation, \$4500 to Warburg Inst. ; £350,000 set aside by Bethlem Royal and Maudsley Hosp. for new bldg. for Inst. of Psychiatry, and the Hospl. made £8500 res. grants to Inst. ; anon. donor, unconditional bequest to Univ. of £10,000 ; Mrs. Iris Carless, £10,000 for travelling awards to architectural students ; W. L. Shelley, residue of estate valued at £8300 to Univ. for endowment of Scholp. ; late Miss C. A. J. Skeel, unconditional bequest to Westfield Coll. of £60,000 ; late Miss Lelia Holden, £65,090 to St. Thomas's Hosp. Med. Sch. for work on Cancer or Metabolic res. ; Mrs. L. Hounsfield, £1250 to University Coll. to endow Hounsfield Prize in Traffic Engin. ; residuary estate of late Rev. R. L. H. Jordan, valued at some £15,500, endowed a lectureship and travelling scholp. in Comp. Religion, and Mrs. Rhuvon Guest gave £200 to the Sch. of Or. & Afr. Studies to endow bi-annual prize in Islamic Studies ; late Dr. H. E. Durham, £500 to Lond. Sch. of Hyg. ; late Miss J. V. Rickatson, £1000 to Postgrad. Med. Sch. of Lond. ; May & Baker Ltd., £1000 to Postgrad. Med. Sch. of Lond. ; Mrs. J. Clark, £1000 to Inst. of Obstet. and Gynæcol. for Cancer res. ; Royal Photographic Soc., £3000 for Res. Fellowship for 3 yrs. at Imperial Coll. ; Monsanto Chemicals Ltd., £500 for Res. Fellowship in Chem. at King's Coll. ; Pilgrim Trust, £1000 to University Coll. towards purchase of Icelandic books ; Glaxo Laboratories Ltd., £1000 to Sch. of Pharm. ; Univ. and its Schools received many other gifts from private or public donors. *University Library* : Readex Microprint Corporation, Microprint Reader ; part of the collection of Bibles bequeathed to the Univ. in 1947 by Mrs. E. M. Wood transferred to the Library.

NEW POSTS. *Birkbeck Coll.* : Readership in Geog. ; *Imperial Coll.* : Readership in Mech. Engin. ; Readership in Appl. Thermodynamics ; *L.S.E.* : Readership in Economics ; *Queen Mary Coll.* : Chair of Hist. ; Readership in Maths. ; *Sch. of Oriental and African Studies* : Chair of Bantu Langs. ; Chair of Asian Anthropol. ; Chair of Hist. of Far East ; *St. Bartholomew's Hosp.*

Med. Sch. : Readership in Anat. ; *St. Mary's Hosp. Med. Sch.* : Readership in Phys. ; *Inst. of Laryngol. and Otol.* : Readership in Bacteriol. (Newly instituted posts not filled by 23/5/52 have not been included.)

SOME SPECIAL LECTURES DELIVERED IN 1950-51. *Creighton Lecture*—"The Elizabethan Age" by Prof. J. E. Neale ; *Ethel M. Wood Lecture*—"Approach to the Lollard Bible" by Prof. Margaret Deanesly ; *Sanderson-Wells Lecture*—"Food and Folly" by Sir Stanton Hicks ; *Semon Lecture*—"The development and the present use of Bronchspirometry" by Dr. Paul Freנקner ; *Stamp Memorial Lecture*—"Treasury Control" by Sir Edward Bridges.

HONORARY DEGREES. *D.Lit.*—Dame Edith Evans, actress ; Sir Maurice Powicke, former Regius Prof. of Modern Hist., Univ. of Oxford ; M. Jean Sarrailh, Rector, Univ. of Paris. *LL.D.*—The Rt. Hon. Sir Norman Birkett, Chairman of the University Court, and a Judge of King's Bench Division, High Court of Justice ; Sir Hector Hetherington, Principal and Vice-Chancellor of the University of Glasgow, and Chairman of the Committee of Vice-Chancellors and Principals ; Mrs. Eveline Lowe, former Chairman of the London County Council. *D.Sc.*—Sir John Cockcroft, Director, Atomic Energy Research Establishment, Harwell.

STUDENTS. Registered Internal Students for Session 1950-51 : 23,202 (17,953 men, 5,249 women ; 18,243 full-time, 4,959 part-time students). Included in this total are 2869 postgraduate students.

Registered External Students for Session 1950-51 : 27,780.

The number of full-time students in Schools of the Univ. and Senate Institutions (based on U.G.C. returns) in 1950-51 : 18,412 (13,506 men, 4906 women) ; of these, 4585 were first-year admissions (3135 men, 1450 women).

INTERNAL DEGREES AWARDED. Arts : *First Degrees*, 748, *Master's Degrees*, 90, *Ph.D.*, 72, *Higher Doctorates*, 4 ; Economics : 353, 17, 33, 1 ; Engineering : 539, 28, 42, 1 ; Laws : 176, 7, 2, 0 ; Medicine : 593, 0, 15, 97 ; Music : 3, 0, 0, 0 ; Science : 1144, 90, 226, 16 ; Theology : 30, 2, 3, 0.

EXTERNAL DEGREES AWARDED. Arts : *First Degrees*, 706, *Master's Degrees*, 14, *Ph.D.*, 13, *Higher Doctorates*, 0 ; Economics : 341, 6, 4, 0 ; Engineering : 570, 7, 5, 1 ; Laws : 119, 1, 1, 0 ; Medicine : 39, 0, 5, 7 ; Music : 7, 0, 0, 0 ; Science : 965, 31, 50, 0 ; Theology : 52, 4, 1, 0.

UNIVERSITY INSTITUTIONS

[Information compiled as at 29/4/52.]

COURTAULD INSTITUTE OF ART

Founded 1932

Postal Address : 20 Portman Square, London, W.1.

Telephone : Welbeck 1388-9.

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. L. C. ROBBINS, C.B.,
M.A. Oxon., B.Sc. (Econ.), F.B.A.

DIRECTOR—A. F. BLUNT, C.V.O., 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.
 Murray, P., B.A. Lectr.

Chinese Art and Archæology

Hansford, S. H., M.A. Lectr.

Technology of Art, History of

..... Prof.
 Ruhemann, H. Lectr.
 Rees-Jones, S. Asst.

GENERAL INFORMATION

Opened to students Oct. 1933, as the result of a gift of £100,000 for 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. 19,450 vols. and 17,000 pamphlets, slide collection and Conway Library of reproductions. The Witt Library at 32 Portman Sq. gives sp. facilities to students.

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	14	35
Women	58	29
Total	72	64

Included in the above are 27 postgraduate students and 20 first-year admissions.

DEGREES, ETC. B.A. Hons. Hist. of Art, 8; Ph.D., 1; Academic Diploma, 1.

[Information compiled as at 13/5/52.]

INSTITUTE OF ADVANCED LEGAL STUDIES

Founded 1948

Postal Address : 25 Russell Square, London, W.C.1.

Telephone : Museum 3232.

CHAIRMAN OF COMMITTEE OF MANAGEMENT—The 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 30,000 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.

THE YEAR 1950-51

Gifts to library included greater part of library of late Dr. G. Melchior given by his family. Some 2500 vols. of Commonwealth law were transferred from Univ. Coll., while many gifts from overseas were recd., particularly from Canada and the U.S.A. The intake of books during the yr. was approx. 8651.

161 persons were admitted to use of the Inst.

[Information compiled as at 1/5/52.]

INSTITUTE OF ARCHÆOLOGY

Founded 1934

Postal Address : Inner Circle, Regent's Park, London, N.W.1.

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 Robert E. M., C.I.E.,
M.C., D.Litt. Brist., D.Lit.,
M.A., F.B.A., F.S.A. Prof.

Palestinian A.

Kenyon, Kathleen, M.A. Oxon.,
D.Lit., F.S.A. Lectr.

Environmental A.

Zeuner, F. E., Ph.D., D.Sc. Prof.

Prehistoric European A.

The Director Prof.

Indian A.

Codrington, K. de B., M.A. Camb.
Prof.

Western Asiatic A.

Mallowan, M. E. L., M.A. Oxon.,
F.S.A. Prof.

GENERAL INFORMATION

Equipment provided in the first instance for the study of the 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.

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.

THE YEAR 1950-51.

Series of 9 lectures on rec. work in European prehist. and 6 lectures on "Ancient Cities in the Light of Archæological Discovery" delivered at Inst., and addl. courses and demonstrations in practical technol. arranged.

The equipment of the Inst. enriched by installation of fluorescence lamps, a mechanical sifter and a partial vacuum tank ; 2 cinematographic films made illustrating the reconstruction of pottery and the treatment of metal.

Kharga Collection catalogued and the other collections enlarged by gift of the valuable Cotton Collection of Roman Coins and Medals and prehistoric material from the Sudan, India, Baluchistan, Denmark and the British Isles.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	21	10
Women	15	4
Total	36	14

Included in the above are 37 postgraduate and 13 technical students.

[Information compiled as at 7/5/52.]

INSTITUTE OF COMMONWEALTH STUDIES

Founded 1949

Postal Address : 27 Russell Square, London, W.C.1.

Telephone : Langham 7855.

DIRECTOR—Professor W. K. HANCOCK, M.A. Oxon., 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 publens., 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 1950-51

BENEFACTIONS. Further 9 Cwth. Univs. and Univ. Colls. contributed towards furnishing the Inst. in selected Empire timbers.

SEMINARS. 2 seminars and some classes organized for 36 members of British Colonial Service on U.K. study leave under "Devonshire Scheme." Another seminar on "British Tropical Dependencies" attended by grads. and members of teaching staffs of this and some overseas Univs.

DISCUSSION EVENINGS for sr. members of Univ. of London and overseas Univs. whose interests lie in the Cwth. field continued.

SMUTS ARCHIVE. The Cambridge Univ. Press commissioned the Dir. to write the life of F.-M. Smuts and the Dir. visited S. Africa and made a prelim. survey of family records and papers. Subsequently, it was decided to establish in the Union a Smuts Archive. The Dir. is taking academic responsibility for this work under a Bd. of Trustees.

VISITS AND FELLOWSHIPS. Personal contacts between the Inst. and overseas centres of learning begun. While in S. Africa the Dir. attended the inauguration of Rhodes Univ. and led fac. discussions there and at the Univs. of Cape T. and Witwatersrand. Personal participation in the Inst.'s seminars by teaching members of Cwth. Univs. were frequent and arrangements were made for establishment of Fellowships open to scholars of achievement. In this the Carnegie Corp. took the initiative and is willing to finance each yr. a number of Fellowships which Dominion scholars may hold either at the Royal Inst. of Internl. Affairs or at this Inst.

STUDENTS. 61 postgrad. students from this and overseas Univs. and Univ. Colls. admitted during session; total included 7 women.

[Information compiled as at 22/5/52.]

INSTITUTE OF EDUCATION

Founded 1902

Postal Address : University of London Institute of Education,
Malet Street, London, W.C.1.

Telephone : Museum 5525.

DIRECTOR—G. B. JEFFERY, M.A., D.Sc., F.R.S.

ADVISER TO OVERSEA STUDENTS—.....

JOINT SECRETARIES—GRACE M. WACEY.

E. F. MARSHALL, B.A. Camb.

DEPUTY SECRETARY—KITTY M. EGAN, B.A.

REGISTRAR—CLARE J. HENRY.

LIBRARIAN—GERALDINE S. M. DE MONTMORENCY, F.L.A.

ADVISER TO TEACHERS—C. WILLIS DIXON, M.A. Durh., B.Litt. Oxon.

CONSTITUENT DEPARTMENTS

Department of Education, King's College, Strand, W.C.2. Training
Department, Goldsmiths' College, New Cross, S.E.14.

CONSTITUENT COLLEGES

Avery Hill Training College, Eltham, S.E.9. Battersea Training College of Domestic Science, North Side, Clapham Common, S.W.4. Borough Road Training College, Isleworth, Middlesex. Brighton Training College, 8 Eastern Terrace, Brighton. Catholic Training College, Cavendish Sq., W.1. Chelsea College of Physical Education, Eastbourne, Sussex. Coloma Training College, Bedford Park, Croydon. Dartford College of Physical Education, Dartford Heath, Dartford, Kent. Digby Stuart College, Convent of the Sacred Heart, Roehampton, S.W.15. Eastbourne Training College, Darley Rd., Eastbourne. The Froebel Educational Institute, Grove House, Roehampton Lane, S.W.15. Furzedown Training College, Welham Rd., Mitcham Lane, S.W.17. Gipsy Hill Training College, Kenry House, Kingston Hill, Surrey. Manresa College, Roehampton, S.W.15. Maria Assumpta Training College, 23 Kensington Sq., W.8. Maria Grey Training College, 11 The Avenue, Brondesbury, N.W.6. National Society's Training College of Domestic Subjects, Berridge House, Fortune Green Rd., W. Hampstead, N.W.6. National Training College of Domestic Subjects, Buckingham Palace Rd., S.W.1. Nonington College of Physical Education, Nonington, Kent. Philippa Fawcett College, Trinity Rd., S.W.18. The Rachel McMillan Training College, Creek Rd., Deptford, S.E.8. St. Gabriel's College, Cormont Rd., Camberwell, S.E.5. S. Katharine's College, Tottenham, N.17. College of S. Mark and S. John, King's Rd., Chelsea, S.W.10. St.

Mary's College, Strawberry Hill, Middx. Seaford Training College for Teachers of Housecraft, Cricketfield Rd., Seaford, Sussex. Shore-ditch Training College, Cooper's Hill, Englefield Green, Surrey. Southlands College, 65 Wimbledon Parkside, S.W.19. Stockwell Training College, The Old Palace, Bromley, Kent. Training College for Technical Teachers, 83 New Kent Rd., S.E.1. Trent Park Training College, Barnet, Herts. Westminster College, Horseferry Rd., Westminster, S.W.1. Whitelands College, West Hill, Putney, S.W.15.

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.).
 Smith, W. O. Lester, C.B.E., M.A., LL.D. (Sociol. of E.).
 Vernon, P. E., D.Sc., Ph.D., M.A. (Educatl. 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

- Batten, T. R., M.A. Oxon. (Colonial E.).
 Bowley, Agatha H., Ph.D., B.A. (Child Develt.).
 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.).
 Edwards Penfold, Mrs. Daisy M., 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).

Gwynne, H. Maura Brooke, M.A. Camb., A.B. Radcliffe (Engl.).

Harrison, A. S., M.Sc. Manc. (Colonial E.).

Honeybone, R. C., M.A. (Geog.).

Kinchin Smith, F. J., M.A. Oxon. (Classics).

King, W. H., Ph.D., M.A., B.Sc. (Educn.).

Meier, F. A., M.A. Camb., B.Sc. (Phys. Sci.).

Parker, B. N., M.A. (Mod. Langs.).

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).

Wilshire, Phyllis N., M.A. Oxon. (Hist.).

Lecturers

Anderson, D. F., M.A., B.Ed. Edin. (Colonial E.).

Baggott, Doris I. (Colonial E.).

Balint, Edna, Ph.D., B.Sc. Manc. (Child Develt.).

Barnard, G. L., B.A. (Engl.).

Baron, G., 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.).
Gordon, Shirley C., M.A. (Hist.).
Gray, Mrs. Sylvia M., B.A. Pret. (Dipl. for Teachers of Educationally Sub - Normal Children).
Haskell, Mary L. (Child Develt.).
Henderson, J. L., M.A. Oxon. (Hist.).
Hodge, Barbara J., M.A. Camb. (Classics).
Hodgson, Mrs. Frances M., B.A. (Mod. Langs.).
Holland, T. R., M.A. R'dg. (Engl. Educnl. Thought and Practice).
Holt, Mrs. Frances M., Ph.D. Birm. (Biol. Sci.).
Koop, Geraldine W. (Art).
Langdon, Mrs. Eleanor M. (Child Develt.).
Lee, Doris M., Ph.D., M.A. (Maths.).
Long, Mrs. Iris L. M., M.A. (Geog.).
Martin, Nancy C., M.A., D.P.A. (Engl.).
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.).
Sollis, C. G., M.A. Oxon. (Colonial E.).
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 Assistants
Gill, Madge, B.A. (Colonial E.).
Hindley, C. B., B.Sc., M.B., Ch.B. Manc. (Child Develt.).
Moore, T. W., B.A. (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. is 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, Middlx., 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. Educn. Thought and Practice, Dipl. in the Methods of Teaching Engl. as a Foreign Lang., Dipl. for teachers of educationally sub-normal children, the Academic Dipl. in Educn., and the M.A. and Ph.D. courses in Educn.

"Recognized" students taking one of the following : Postgrad. Teacher's Certif., Art Teacher's Certif., the Dipl. for Teachers of Educationally Sub-normal 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.

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-IV.

THE YEAR 1950-51

STUDENTS. *Central College.*

	<i>Part-Time</i>	<i>Full-Time</i>
Men	162	401
Women	180	362
Total	342	763

Included in the above are 641 postgraduate students and 951 new admissions.

DEGREES, ETC., AWARDED. Ph.D. (Educn.), 1 ; M.A. (Educn.), 17 ; M.A. (Educn.) Pt. I, 8 ; Academic Dipl., 26 ; Postgrad. Certif. in Educn., 342 ; Art Teacher's Dipl., 79 ; Dipl. in Engl. Educnl. Thought and Practice, 9 ; Dipl. in the Teaching of Engl. as a Foreign Lang., 7 ; Dipl. in the Teaching of Educationally Sub-normal Children, 27 ; Associateship of the Inst. of Educn., 18.

[Information compiled as at 19/5/52.]

INSTITUTE OF GERMANIC LANGUAGES AND LITERATURES

Founded 1950

Postal Address : 29 Russell Square, London, W.C.1.

Telephone : Langham 2711.

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. EDNA PURDIE, M.A.,
D.Lit.

HONORARY DIRECTOR—Prof. L. A. WILLOUGHBY, M.A., D.Lit.

SECRETARY/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) Pribsch 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 1950-51

Apart from its primary object of promoting postgrad. studies, the Inst., in the first yr. of its existence, confined itself to arranging informal Colloquia, at which members discussed problems of their particular fields of study. 9 Colloquia were held during the session, of which 5 were opened by scholars from the Continent of Europe.

[Information compiled as at 9/5/52.]

INSTITUTE OF HISTORICAL RESEARCH

Founded 1921

Postal Address : The Senate House, London, W.C.1.

Telephone : Museum 0272, 0273.

DIRECTOR—Prof. 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., the Editor of the Victoria County History 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. 72,620 books, periodicals and pamphlets ; also 717 maps, 793 facsimiles.

PUBLICATIONS. *Annual Report* ; *Bulletin* (twice a yr., subs. 15s.) with annual supplements recording "Historical Research for University Degrees in the United Kingdom," and "Teachers of History in the Universities of the United Kingdom," and occasional 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 1950-51

ADMISSIONS AND COURSES. The no. of persons using the Inst. was 679, including 281 students reading for higher degrees. 31 postgrad. courses and seminars in Hist. were offered.

FELLOWSHIPS. 9 Res. Fellowships tenable at Inst. in 1951-52 were awarded, 5 to Lond. grads., the rest to grads. of Camb., Manc., McG. and Penn.

CONFERENCES. 1st plenary Anglo-American Conference of Historians since the war met at the Inst. from July 9 to 14, 1951. Altogether 146 Univs. and other learned institutions in Britain, the Commonwealth and the U.S.A. sent representatives, the total attendance numbering 510. 21 papers were read, including a statement by Sir Frank Stenton on the new co-operative "History of Parliament" to be housed at the Inst.

[Information compiled as at 25/4/52.]

SCHOOL OF SLAVONIC AND EAST EUROPEAN STUDIES

Founded 1915 as a department of King's College, London ; since 1932 a " Central Activity " of the University.

Postal Address : University of London, School of Slavonic and
East European Studies, London, W.C.1.

Telephone : Museum 9782/3.

CHAIRMAN OF COUNCIL—Prof. F. NORMAN, O.B.E., M.A.

DIRECTOR—G. H. BOLSOVER, O.B.E., Ph.D.

SECRETARY—DOROTHY GALTON.

LIBRARIAN—L. LOEWENSON.

TEACHING STAFF

Bulgarian

Pinto, V. de S. (Jr.), M.A. Oxon.
Lectr.

Czechoslovak

Mann, S. E., M.A. Brist. Lectr.

History, Central European

Betts, R. R., M.A. Oxon. and
Birm.
Hd. of Dept. and Masaryk
Prof.

History, Modern Russian

Mosse, W. E., M.A. Camb. Lectr.

History of Danubian Lands

Auty, Phyllis, B.A., B.Litt. Oxon.
Lectr.

History of Eastern Europe, Eco- nomic and Social

Warriner, Doreen, O.B.E., B.A.
Oxon., Ph.D. Lectr.

History, Russian

Seton-Watson, G. H. N., M.A.
Oxon. Prof.

Hungarian

Cushing, G. F., M.A. Camb. Lectr.

Polish

Pietrkiewicz, J., Ph.D.
Temp. Lectr.

Roumanian

Tappe, E. D., M.A. Oxon. Lectr.

Russian

Matthews, W. K., M.A. Manc.,
Ph.D. Prof.
Malnick, Bertha, B.A. Camb.,
Ph.D. Reader.

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.

Rapp, Helen Asst.

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).
 Zernov, N., Ph.D. (Russian Church
 Hist.).

Yugoslav

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 1950-51

RESIGNATION. Valentina Jukova (Russian).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	100	65
Women	46	28
Total	146	93

Included in the above are 46 postgraduate students and 11 new admissions

DEGREES AWARDED. Ph.D., 2 ; M.A., 1 ; B.A. Hons. (Russian), 16 ; B.A. Hons. (Polish), 2 ; B.A. Hons. (Yugoslav Regional), 1.

[Information compiled as at 1/5/52.]

WARBURG INSTITUTE

Incorporated 1944

Postal Address: Imperial Institute Buildings,
South Kensington, London, S.W.7.

Telephone: Kensington 9008.

CHAIRMAN OF MANAGEMENT COMMITTEE—Prof. EDNA PURDIE, D.Lit.,
M.A.

DIRECTOR—H. FRANKFORT, Ph.D. Leiden, M.A., F.S.A.

ASSISTANT DIRECTOR—GERTRUD BING, Ph.D. Hamburg.

LIBRARIAN—O. KURZ, Ph.D. Vienna.

CURATOR OF PHOTOGRAPHIC COLLECTION—ENRIQUETA E. HARRIS, Ph.D.

TEACHING STAFF

History of Preclassical Antiquity Gombrich, E. H., Ph.D. Vienna,
The Director Prof. M.A. Oxon. Lectr.

History of the Classical Tradition Wittkower, R., Ph.D. Berl.
The Assistant Director Lectr. Special Pt.-time Lectr.

Mitchell, C., M.A. Oxon. Lectr. Swarzenski, P. T. J., Ph.D. Bonn
Special Pt.-time Lectr.

History of Art

Buchthal, H., Ph.D. Hamburg

Comparative Literature

Reader. Yates, Frances A., M.A. 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*; *Journal of the Warburg and Courtauld Institutes*; *Mediæval and Renaissance Studies*.

THE YEAR 1950-51

STUDENTS (Postgraduate).

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	4
Women	—	3
Total	—	7

NON-MEDICAL SCHOOLS

[Information compiled as at 19/5/52.]

BEDFORD COLLEGE *

Founded 1849; incorporated 1909

Postal Address : Inner Circle, Regent's Park, London, N.W.1.

Telegrams : Edforcoll, Norwest, London.

Telephone : Welbeck 5743.

PATRONESS—HER MAJESTY QUEEN MARY.

VISITOR—.....

FELLOW—Miss G. E. M. JEBB, C.B.E., M.A. Camb.

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.

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. Lectr.

Howlett, K. E., B.Sc., Ph.D.

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.
- Moritz, L. A., M.A. Oxon.
(Gk.) Asst. Lectr.
- Dutch*
- Weevers, T., Lit.D. Leiden
(Lang. and Lit.) Prof.
- Huysinga, Aletta, Lit. Docta.
Amst. Asst. Lectr.
- Economics, v. Social Studies*
- English*
- Ellis-Fermor, Una M., M.A., B.Litt.
Oxon., D.Lit.
(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.
Reader.
- Latham, Agnes M. C., M.A.,
B.Litt. Oxon. Lectr.
- Ridley, M. R., M.A. Oxon.
Pt.-time Lectr.
- Britton, G. C., M.A. Birm.
Asst. Lectr.
- Johnston, A., B.A. Oxon.
Asst. Lectr.
- French Language and Literature*
- 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.
- Lectr.
- Jones, E., B.Sc. Wales
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.
 Dale, Adeline M., 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. 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.
 Slater, P., M.A. Oxon. (Stats.) Pt.-time Lectr.
 Rooft, Madeline M., B.A. Tutor.
 McIntosh, Mrs. Marjorie, B.A. Tutor.
 Oxon.
 Copley, Mrs. Beatrice E. B., B.Sc. (Econ.) Pt.-time Asst. Lectr.
 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. Demr.

ADMINISTRATIVE AND OTHER STAFF

Resident Tutor : Margaret A. Wileman, M.A. Oxon. 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 (1951-52). *Arts*, Prof. Una M. Ellis-Fermor (Engl.); *Science*, Prof. D. W. Harding (Psychol.).

LIBRARY. 95,000 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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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; £132 p.a.; 120 students. Lindsell Hall, 25-35 Adamson Rd., N.W.3; £103:15s. p.a.; 84 students. Hanover Lodge, 150 Park Rd., N.W.8; £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*, 2s. 6d. post free; *Bedford News* (Students).

THE YEAR 1950-51

RETIREMENT. Miss G. E. M. Jebb, Principal since 1930.

BUILDINGS. Reconstrucn. of Herringham Bldg. completed & bldg. occupied.

Reconstrucn. of Darwin (N. Sci.) Bldg. well advanced and occupation planned for 1952.

RECOGNITION. The Coll. was granted recognition by the Univ. in the Fac. of Econs. for the purpose of teaching for the new B.Sc. degree in Sociol.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. C. M. Simpson, under the Fulbright Scheme.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Una M. Ellis-Fermor, U.S.A., under a Fulbright and Smith-Mundt Award; Dr. R. W. Greaves, Germany; Prof. Barbara Wootton, U.S.A.; Mrs. G. Williams, Colonies of E. Caribbean.

RESIGNATIONS. Dr. A. E. Moodie (Geog.), apptd. to Readership in Geog., Birkbeck Coll.; Dr. W. T. Williams (Bot.), apptd. to chair of Bot. at Univ. Coll., Southampton; Dr. B. Petrovskaja (Physiol.), apptd. to Inst. of Psychiatry.

DEATHS. Miss J. Bonham-Carter (Governor since 1898); Miss S. M. M. Furness (Governor since 1937 and staff member 1915-36); Miss M. Hanbidge (Governor since 1909); Prof. J. F. Spencer (Governor since 1946 and staff member 1906-46); Mrs. H. M. Reid (Governor since 1935 and Dir. of Dept. of Soc. Studies 1919-35).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	9	24
Women	35	746
Total	44	770

Included in the above are 102 postgraduate students and 250 new admissions.

DEGREES AWARDED. *Arts*: B.A., 101; M.A., 1; Ph.D. (Arts), 6; D.Lit., 1. *Science*: B.Sc., 56; M.Sc., 1; Ph.D. (Sci.), 1; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Academic Dipl. in Psychol., 1; Bedford Coll. Certif. in Soc. Studies, 42.

[Information compiled as at 19/5/52.]

BIRKBECK COLLEGE

Founded 1823

Postal Address : Malet Street, London, W.C.1.

Telephone : Langham 7941.

PATRONS—H.M. QUEEN ELIZABETH, THE QUEEN MOTHER; H.M. QUEEN MARY.

PRESIDENT OF THE COLLEGE—.....

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.
2 Demrs.

Chemistry

Wardlaw, W., C.B.E., D.Sc. Durh.,
F.R.I.C. (Phys. C.) Prof.*
Ives, D. J. G., D.Sc., Ph.D.,
F.R.I.C. Reader.
Barton, D. H. R., D.Sc., Ph.D.,
F.R.I.C. (Org. C.) Reader

Lecturers

Pittman, R. W., B.Sc., Ph.D.
Rigby, W., B.Sc., Ph.D.
Cookson, R. C., B.A., Ph.D. Camb.

* Head of Dept.

Bartley, W. G., B.Sc. Res. Fellow.
Taylor, A. J., B.Sc.
Bradley, D. C., B.Sc., Ph.D.
Overton, K. H., B.Sc., B.Pharm.
5 Demrs.

Classics and Ancient History

Warmington, E. H., M.A. Camb.,
F.R.Hist.S. Prof.*
Jones, D. M., M.A. Oxon. Reader.

Lecturers

Way, A. G., M.A.
Whiteley, J. L., M.A., Ph.D.†
Webster, Amy M. D., M.A. Oxon. †
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.*

† Pt.-time Lectr.

Daunt, B. Marjorie, Final Eng.
Hons. Oxon. (E. Lang.)

Reader.

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.

1 Demr.

Geology

Dollar, A. T. J., Ph.D. Camb.,
B.Sc., F.G.S. Reader.*

Seager, A. F., B.Sc., F.G.S. Lectr.

Cummings, R. H., B.Sc., Ph.D.
Glas., F.G.S. Lectr.

2 Demrs.

German

McClean, R. J., Dr.phil. Königs-
berg, 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

Hobsbawm, E. J., M.A., Ph.D.
Camb.

Drus, Ethel, M.A. Cape T.

Saltman, Avrom, M.A. Camb.,
Ph.D.

Dakin, D., M.A. Camb., Ph.D.,
F.R.Hist.S.

History of Art

Lecturers

Pevsner, N. B. L., M.A. Camb.,
Ph.D. Leipzig.*†

Summerson, J., 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.

Rosenbaum, L. B., M.Sc.

Ingleton, A. W., B.Sc., Ph.D.

Edge, J., B.A. Camb., B.Sc.

Ball, A. E., B.A. Camb.†

Barton, J. C., B.Sc., Ph.D.†

* Head of Dept.

† Pt.-time Lectr.

Gattegno, C., D.E.S. Marseilles,
Dr.Phil. Basle, D. ès L. Lille,
M.A.

Philosophy, Logic and Ethics

Joad, C. E. M., M.A. Oxon., D.Lit.
Reader.*

Saw, Ruth L., B.A., Ph.D. Lectr.
Peters, R. S., B.A. Oxon., B.A.,
Ph.D. Lectr.

Physics

Bernal, J. D., M.A. Camb., F.R.S.
Prof.*

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.
Trent, P., B.Sc., Ph.D.
Jennings, J. C. E., B.Sc., Ph.D.
Michaelis, E. G., B.Sc.
10 Demrs.

Psychology

Mace, C. A., M.A. Camb., D.Lit.
Prof.*

Rodger, A., M.A. Camb. Reader.
Lecturers

Foss, B., M.A. Oxon. and Camb.

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.†

Mayer, P., Dr.Jur. Heidel., B.Sc.,
D.Phil. Oxon.†

Veness, Thelma, B.A.†

Cohen, J., M.A., Ph.D.†

6 Demrs.

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.
5 Demrs.

GENERAL INFORMATION

Founded 1823 by Dr. George Birkbeck "for the purpose of giving education to students in the principles of the Arts they practise, and in the various branches of Science and useful knowledge." A School of the Univ. in Arts and Sci. for evening and pt.-time students in full-time paid employment during the day and full-time postgrad. students. Playing Fields (18 acres) at Greenford.

LIBRARY. Over 45,000 vols., including sp. Science Depts.

COURSES. Complete courses for degrees in Arts and Sci., for the Academic Dipls. in Geog. and Psychol., and for the Royal Inst. of Chem. examns.

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. *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).

* Head of Dept.

† Pt.-time Lectr.

THE YEAR 1950-51

At the beginning of the session, the Coll. lost its Master, Prof. H. G. Jackson, in a tragic accident.

BUILDINGS. Most Coll. depts. moved from Breame Bldgs. into nearly completed new bldg. in Malet St. Fac. of Arts enjoyed use of lecture rooms, etc., in Inst. of Educn., Sch. of Or. and Afr. Studies, Sch. of Slav. Studies, Lond. Sch. of Hyg. and Trop. Med., Senate House and at 29 Russell Sq.

ANNIVERSARY. 127th anniversary of Coll. celebrated: oration given by Prof. W. R. Matthews, Calif.

RESIGNATIONS. Dr. J. L. B. Cooper (Maths.), apptd. to Chair of Maths., Cardiff U.C.; Dr. C. Fox (Maths.), apptd. to Chair of Maths., McG. U.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	975	53
Women	517	32
Total	1492	85

Included in the above are 335 postgraduate students and 496 new admissions to the College.

DEGREES. *Arts*, B.A., 80; M.A., 9; Ph.D. (Arts), 4. *Science*, B.Sc., 71; M.Sc., 5; Ph.D. (Sci.), 15.

[Information compiled as at 16/5/52.]

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Founded 1907

Postal Address : Prince Consort Road, S. Kensington, London, S.W.7.

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.

CLERK TO THE GOVERNORS (Secretary of the Imperial College)—G. C.
LOWRY, T.D., M.A. Camb.

ASST. SECRETARY AND REGISTRAR—E. F. CUTCLIFFE, M.B.E., B.A. Oxon.

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.

Applied Chem., v. Chem. Eng.*Astrophysics*, v. Physics*Bacteriology*, v. Bot.*Biochemistry*, v. Bot.*Biology*, v. Bot., Zool.

Botany

Brown, W., M.A. Edin., D.Sc.,
D.I.C., F.R.S.(Plant 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.
Reader.

Jacobs, S. E., D.Sc. 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.

Demonstrators

Stedman, Kathleen, B.Sc.

Madelin, M. F., B.Sc.

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.

.....

(Appl. Phys. Chem.) Prof.

Himus, G. W., Ph.D., D.I.C.,
F.I.F. Reader.

Coulson, J. M., M.A. Camb., Ph.D.,
D.I.C. Sr. Lectr.

Lecturers

Barrett, L. R., B.A., B.Sc., M.S.
III.

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.

Bett, K. E., B.Sc. Asst. Lectr.

Bluhm, M. M., 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. Director.

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.).

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.

Owen, L. N., D.Sc., F.R.I.C.

Lecturers

Bull, P. C., D.S.O.

Roberts, E. R., Ph.D., D.I.C.

Kitchener, J. A., Ph.D.

Carlton, Margaret, Ph.D.

Hannen, J. T., M.A.

Braude, E. A., D.Sc.

Weedon, B. C. L., Ph.D., D.I.C.

Elvidge, J. A., Ph.D., D.I.C.

Bockris, J. O'Mara, Ph.D.

Herringshaw, J. F., Ph.D.

Atkinson, B., Ph.D., B.Sc.

Cullis, C. F., M.A., D.Phil. Oxon.

Cornfield, A. H., Ph.D., D.I.C.

David, I., B.Sc.

Assistant Lecturers

Hills, G. J., Ph.D.

Meek, G. A., B.Sc. (temp.).

Barnard, J. A., B.Sc.

Jacobs, P. W. M., M.Sc.

Crombie, L., Ph.D.

Timmons, C. J., 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.

Rockefeller Fellow

Bruce, F. E., M.Sc. (Eng.).

Lecturers

Duncan, J. E., B.Sc. (Eng.).
Ashby, R. J., M.Sc. (Eng.), D.I.C.
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.

Assistant Lecturers

Kent, D. A., B.A.
Gifford, F. W., B.Sc. (Eng.).
Falconer, B. H., B.E.
Makowski, Z. S., Dip. Eng.

Engineering, Electrical

Jackson, W., D.Sc. Manc., D.Phil.
Oxon. Prof. and Hd. of Dept.

Readers

Gabor, D., Dr. Ing. Berl.
Cherry, E. C., D.Sc. (Eng.).
Adkins, B., M.A. Camb.

Senior Lecturers

Urwin, C. R.
Hopkin, D. W.
Tombs, D. M., M.Sc. (Eng.), D.I.C.
Humphrey Davies, M. W., M.Sc.
Wales.

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.

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.).

Assistant Lecturers

Dallender, J. A., B.Sc. (Eng.).
Ogorkiewicz, R. M., B.Sc. (Eng.),
D.I.C.
Peerless, S. J., B.Sc.
Turner, C. E., B.Sc.
Ellis, F., B.Sc.
Bland, D. R., M.A.

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 Tech-
nol.).

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.

Assistant Lecturers

Shearman, D. J., B.Sc., F.G.S.

Walker, G. P. L., M.Sc.

Fothergill, C. A., B.Sc.

Demonstrators

Ager, D. V., B.Sc.

Cheesman, R. L., M.C., F.G.S.

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.

Bickley, W. G., D.Sc. 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.

Raines, S., Ph.D., D.Sc.

Young, Rosalind C. H., Ph.D.

Sondheimer, E. H., M.A. Camb.,
Ph.D.

Asst. Lecturers

Lang, Eleanor D., M.A.

Thompson, R. S. H. G., B.Sc.

Moshkowitz, Freda, B.Sc.

Dennis, S. C. R., B.Sc.

Severn, R. T., 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.

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.

Lecturers

Mason, B. J., B.Sc.
 Scorer, R. S., M.A. Camb., Ph.D.
 Ludlam, F. H., D.I.C.

Mineralogy, v. Geol.*Mining*

..... Prof. and Hd. of Dept.

Readers

Sheppard, J. S., O.B.E., B.Sc.
 (Eng.).
 Pryor, E. J., D.I.C.

Senior Lecturers

Davies, W., B.Sc. Wales, Ph.D.
 Leeds.
 Fleming, M., B.Sc.

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.

Asst. Lecturer

Robinson, A. J., B.Sc. (Eng.).

Mining Geology, v. Geology*Oil Technology*, v. Geol.*Palæontology*, v. Geol.*Petrology*, v. Geol.*Physics*

..... 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.

Klemperer, O., Ph.D. Berl.

Johnson, B. K., D.I.C.

Honorary Lecturer

Jevons, W., D.Sc., D.I.C.

Senior Lecturer

Stephens, R. W. B., Ph.D., D.I.C.

Lecturers

Cochrane, W., M.A., Ph.D.

Garton, W. R. S., B.Sc.

Kellner, Charlotte, Ph.D.

Michiels, J. L., Ph.D.

Aharoni, J., Ph.D. Berlin.

Mason, R. G., M.Sc., D.I.C.

Allan, H. R., M.A. Camb., Ph.D.

Barford, N. C., B.A., B.Sc. Camb.

Latham, R., M.A. Camb., Ph.D.

Hopkins, H. H., Ph.D.

Coles, B. R., D.Phil. Oxon., B.Sc.
 Wales.

Pentz, M. J., M.Sc. Cape T.

Weinstein, W., Ph.D., B.Sc.

George, E. P., Ph.D., B.Sc.

Assistant Lecturer

Brock, Helen L., B.Sc.

Demonstrators

Hester, A. G., B.Sc.

Hodgson, P. E., B.Sc.

Hall, S. H., M.Sc.

Refractory Materials and Silicates, v. Chemical Engin.*Technical Optics*, v. Physics*Zoology and Applied Entomology*

Munro, J. W., M.A. Oxon., D.Sc.
 Edin. Prof. and Hd. of Dept.

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.	Lubatti, O. F., D.Chem. Turin, M.Sc.
Gorvett, H., Ph.D. Brist.	Higgins, A. E. H., D.I.C. Lectr.
Waloff, Nadejda, Ph.D.	Davies, R. G., B.Sc. Lectr.
Lubatti, O. F., D.Chem. Turin, M.Sc.	Haskell, P. T., B.Sc. Asst. Lectr.

Davies, R. G., B.Sc.
Higgins, A. E. H., D.I.C.
Kermack, Doris M., B.Sc.

Assistant Lecturers

Jacobs, Brigitte, B.Sc.
Boratynski, K., Ph.D. Poznan.
Goto, H. E., B.Sc.

Demonstrator

Canning, Elizabeth, B.Sc.

Biological Field Station

Munro, Prof. J. W., M.A. Oxon.,
D.Sc. Edin. Dir.
Page, A. B. P., Ph.D. Reader.

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 and Mechanics ; Meteorology ; Physics (Astro-physics, Technical Optics, Applied Geophysics) ; Zoology and Applied Entomology.

ROYAL SCHOOL OF MINES : Metallurgy, Mining, Mining Geology, Oil Technology.

CITY AND GUILDS COLLEGE : Aeronautics (Aerodynamics, Aero-Structures, Aircraft Propulsion) ; Engineering—Chemical and Applied Chemistry, Civil, Electrical, Mechanical.

The total staff exceeds 250. The College is a School of the University in Science and Engineering. Students who are registered as candidates for one of the Associateships and who have qualified for entrance to the University of London are eligible for the B.Sc. Degree of the University in the Faculties of Science and Engineering, on the courses and examinations for the relative Associateship, if the University's regulations are complied with. The courses of study are designed for students of University standard whose vocations will be concerned with the scientific aspects of industries. The buildings occupy about 8 acres and cost with equipment over £1,000,000. There is also a Field Station at Silwood Park, Sunninghill.

ADMINISTRATION. The administration of the Imperial College is vested in a Governing Body consisting of 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.; for certain courses another subject may be accepted in place of Maths. A limited number of students are accepted to take the Prelim. (Inter.) course at the Coll. This is restricted to those entering the Royal School of Mines or those taking courses in Bot., Geol., Physics and Zool. at the Royal Coll. of Sc. The minimum age for admission is 17. Women are admitted on the same terms as men.

DIPLOMA AND OTHER COURSES. The undergraduate courses extend over 3 yrs. and lead up to an Associateship (A.R.C.S., A.R.S.M., A.C.G.I.), and to the B.Sc. (Special) or B.Sc. (Engineering) Degree as the case may be. The Associateship and the Degree are awarded on the same examinations. The postgraduate courses and research lead up to the Diploma of Membership of the Imperial College (D.I.C.), and to the higher Degrees of the University of London. Special arrangements are made for graduates and persons engaged in scientific industrial pursuits.

FEES. Entrance, £2; Tuition per session (Oct.-June), for full-time undergraduate students, £60; for part-time, at the rate of £63 per session; for full-time postgraduate students, £30 per session. An additional charge may be made for expensive apparatus or chemicals.

SCHOLARSHIPS. Royal Scholps., Entrance Scholps. and Exhibitions for undergraduate courses awarded on an examination held at Schools; Special Scholps. available in Mining.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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 for 89 students, at £13-£15 per term. Meals are provided by the Refectory at about 6s. per day, at present. Enquiries should be addressed to the Hostess,

IMPERIAL COLLEGE OF SCIENCE & TECHNOLOGY 233

Imperial College Hostel. There is also a Hall of Residence at 50 Holland Park, with accommodation for 15 students.

STUDENTS' UNION. The Imperial College Union building in Prince Consort Road is the home of the various student organizations, including the Imperial College Union, the Royal College of Science Union, the Royal School of Mines Union, the City and Guilds College Union, and a large number of Societies and Athletic Clubs. There is a College Refectory in the building, and a College Bookstall.

PUBLICATIONS. *Annual Report*; *Calendar*; *Prospectus*; *Careers Pamphlets*. No charge is made for any of these publications.

THE YEAR 1950-51

NEW BUILDINGS. Chem. Engin. Extension completed; new Chem. Labs. completed; new Aeronautics Bldg. started; new Mineral Dressing Labs. started.

VISIT BY MEMBER OF STAFF FROM OTHER COLL. Prof. J. H. Keenan, M.I.T., "The Fundamentals of Thermodynamics."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES/COLLEGES. Sir Roderic Hill lectured in Germany on scientific education and visited American Univs., including M.I.T.; Prof. W. Jackson, Technische Hochschule, Charlottenburg, Berlin, Technical Univ., Delft; Margaret G. Vaisey, Virginia Polytechnic, "Relaxation Methods"; Prof. Sir Alfred Egerton, 25th Anniversary of Fuad I Univ., Cairo; Prof. O. A. Saunders, Stanford, "Heat Transfer and Fluid Mechanics"; Dr. J. O'M. Bockris, Brooklyn Polytechnical Inst., "Recent Advances in Electrochemistry at Imperial College," M.I.T., "The Constitution of Liquid Silicates," "The Absolute Calculation of Proton Discharge"; E. F. Cutcliffe, Eidgenössische Technische Hochschule, Zürich.

RETIREMENTS. Prof. L. C. Martin (Technical Optics); Dr. J. V. Howard (Mech. Engin.); A. Rushton (Electr. Engin.); J. G. C. Leech (Geol.).

RESIGNATION. Prof. A. A. Hall (Aviation), apptd. Dir., Royal Aircraft Establishment, Farnborough.

DEATHS. Prof. S. J. Truscott (Hon. Fellow, Member of Governing Body, 1931-35, Hd. of Dept. of Mining, 1919-35); J. P. Blake, Member of Governing Body, 1931-50; P. Good, Prof. T. Turner, Sir James Pringle, H. A. Humphrey, Hon. Fellows; Sir Charles Bressey, Member of Governing Body, 1939-47.

HONORARY FELLOWSHIPS. R. Annan, Prof. G. Fair, Harv., Prof. Emer. Sir Ian Heilbron, E. D. McDermott, Sir Frederick Handley Page, S. Robson.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	284	1518
Women	17	47
Total	301	1565

Included in the above are 849 postgraduate students and 607 new admissions.

DEGREES. *Arts*: Ph.D., 1. *Engineering*: B.Sc. (Eng.), 153; Ph.D., 23; M.Sc. (Eng.), 13. *Science*: B.Sc. (Special), 81; D.Sc., 4; Ph.D., 85; M.Sc., 23.

DIPLOMAS, ETC. A.R.C.S., 70; A.R.S.M., 46; A.C.G.I., 110; D.I.C., 205.

[Information compiled as at 16/5/52.]

KING'S COLLEGE

Founded 1829

Postal Address : Strand, London, W.C.2.

Telephone : Temple Bar 5454.

CHAIRMAN OF THE DELEGACY—The Hon. ARTHUR J. P. HOWARD, C.V.O.

TREASURER—BERTRAM PERCY MOORE, B.A.

PRINCIPAL—PETER SCOTT NOBLE, M.A. Aberd.

DEAN—Rev. Canon ERIC S. ABBOTT, M.A. Camb.

SECRETARY—IVAN PETER 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.Ed. Prof.

Lecturers

Wakeley, Sir C. P. G., K.B.E.,
D.Sc., F.R.C.S.Mackinnon, I. L., M.B., Ch.B.
N.Z.

Muentert, A. H., Ph.D. Münster.

Snell, R. S., M.B., B.S.

Burges, S. H., M.B., B.S.

.....

2 Pt.-time Lectrs.

*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. Brist.

Asst. Lectr.

1 Pt.-time Demr.

*Chemistry*Hey, D. H., D.Sc. Manc., Ph.D.,
F.R.I.C. Daniell Prof.Rideal, Sir Eric, M.A. Camb., Ph.D.
Bonn, D.Sc. Dub., F.R.S.

Prof.

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. Asst. Lectr.

Davies, J. T., M.Sc. N.Z., Ph.D.

Asst. Lectr.

Classics, v. also History

- (Gk.) Prof.
 Maguinness, W. S., M.A. Dub.
 (Lat.) Prof.
 Handford, S. A., M.A. Oxon.
 Reader.
 Low, D. M., M.A. Oxon. Lectr.
 Gossage, A. J., M.A. Oxon., Ph.D.
 Lectr.
 Dalzell, A., B.A. Dub.
 Asst. Lectr.

Education

- Judges, A. V., B.A., D.Sc. (Econ.)
 (Hist. of Educn.) Prof.
 Hans, N., Ph.D., D.Lit. Reader.
 Blackwell, Mrs. Annie M., M.A.,
 B.Sc. Sr. Lectr.
 Lecturers
 Beales, A. C. F., M.A.
 Brown, P. P., B.A. Oxon.
 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., M.Sc. (Eng.), Ph.D.
 (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.).
 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

- Nash, W., M.A. Camb.
 Yarker, P. M., B.A.
 Roberts, M. A. M., M.A. Camb.
 Taylor, E. Mary M., B.A. Camb.

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.
 Suggett, Mrs. Helen, B.A., B.Litt.
 Oxon. Asst. Lectr.
 2 Assts.

Geography

- (In conjunction with staff of
 London School of Economics)
 Wooldridge, S. W., D.Sc. Prof.
 Wood, H. J., B.Sc. (Econ.), Ph.D.
 (Historical Geog.) Lectr.
 Balchin, W. G. V., M.A. Camb.,
 Ph.D. Lectr.
 Coleman, Alice M., M.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., B.Sc. Lectr.
 Ball, H. W., B.Sc., Ph.D. Birm.
 Asst. Lectr.

German

Norman, F., O.B.E., M.A. Prof.
 Thoma, H. H. K., Dr.Phil. Munich
 Lectr.
 Knight, Dorothy, M.A. Asst. Lectr.
 i Asst.

Greek, Modern, and Byzantine History, Language and Literature

Jenkins, R. J. H., M.A. Camb.
 Koraës Prof.

History, v. also Greek

Williams, C. H., M.A. Camb. Prof.
 Graham, G. S., M.A. Ont., A.M.
 Harv., Ph.D. Camb.

Rhodes Prof. of Im- perial H.

Scullard, H. H., M.A. Camb.,
 Ph.D. (Anc. H.) Reader.

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.

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.

Pollock, D. T. C., LL.B.

Asst. Lectr.

Bland, A. J., M.A., B.C.L. Oxon.

Asst. Lectr.

Prichard, A. M., LL.B. Asst. Lectr.

..... Asst. Lectr.

Mathematics, Pure and Applied

Temple, G., Ph.D., D.Sc., F.R.S.

Prof.

Semple, J. G., M.A. Belf., Ph.D.

Camb. Prof.

Rado, R., Dr.Phil. Berlin, Ph.D.

Camb. Reader.

Leggett, D. M. A., M.A., Ph.D.

Camb. Reader.

Edwards, B. A., M.Sc. Wales

Sr. Lectr.

Scott, D. B., M.A. Camb., D.Sc.

Lectr.

Davies, T. V., M.Sc. Lectr.

Ruston, A. F., M.A., Ph.D. Camb.

Lectr.

Kilmister, C. W., M.Sc., Ph.D.

Asst. Lectr.

Tims, S. R., M.Sc. Asst. Lectr.

Palæography

Wormald, F., M.A. Camb., F.B.A.

Prof.

Pharmacology, v. Physiology

Philology, v. English and French

Philosophy

Findlay, J. N., M.A. Oxon. and

S.A., Ph.D. Graz Prof.

..... 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. Camb.,

Ph.D. (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
 Robinson, T. S., B.Sc.
 Pursey, D. L., B.Sc. Glas.

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.
 Hewitt, J. A., Ph.D. St. And.,
 D.Sc. Sr. Lectr.
 Knox, J. A. C., M.D., Ch.B. Glas.
 Sr. Lectr.

Lecturers

Widdowson, T. W., F.D.S.
 Quilliam, J. P., M.Sc., M.B., B.S.
 Munro, A. F., B.Sc., Ph.D. Aberd.
 Hall, J. E., M.B., Ch.B. Liv.
 Summerhayes, J. L. V., M.B., B.S.

Portuguese

..... Camoens Prof.
 Lectr.

*Romance Philology, v. French**Spanish Studies*

Wilson, E. M., M.A., Ph.D. 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. 288**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., Ph.D.,
 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.
 1 Pt.-time Asst. Lectr.

GENERAL INFORMATION

Founded by Royal Charter in 1829 for "instruction in the various branches of Literature and Science and the doctrines and duties of Christianity," King's College consisted at first of a School and Departments of General Literature, Science and Medicine, to which were added successively Engineering, Theological and Oriental Depts. The Hospital was built in 1839; the Evening Classes were started in 1856, and a Women's Dept. in 1881. In 1910 the College School became a separate Corporation, the Hospl. and Advanced Med. School were made independent, the other Depts. (except the Theological) doing work of University standard were incorporated in the Univ. of London, while the Council remained the governing body of the Theol. Dept., which became a School of the Univ. In 1915 the Arts and Science Departments of King's College for Women, previously housed in South Kensington, were transferred to the buildings of King's College, and the Household and Social Science Department to new buildings on Campden Hill. The Dept. of Household and Social Science became a separate instn. in 1928 under the title of King's Coll. of Household and Social Science, v. *infra*. In 1917 the Oriental

Dept. was transferred to the new School of Oriental Studies. The School of Slavonic and East European Studies, founded in 1915, was constituted a separate department of the Univ. as from Aug. 1, 1932, *v. supra*. The Halley Stewart Laboratories of Physics Research, 30 Chesterford Gardens, Hampstead, were formally opened as a department of the College on May 4, 1933.

FACULTIES AND DEANS. *Arts*, Prof. E. M. Wilson (Spanish); *Engineering*, Prof. A. D. Ross (Civ. Engin.); *Laws*, Prof. R. H. Graveson; *Medical Science*, Prof. R. J. S. McDowall (Physiol.); *Natural Science*, Prof. D. H. Hey (Chem.).

TUTOR TO WOMEN STUDENTS. Dorothy Brittain, M.A. Manc.

LIBRARIES (about 160,000 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 (Mediaeval 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 Exams. for Dental Degrees. Education Dept. for training Teachers (men and women) for the Postgraduate Certificate in Education.

Engineering students are provided with facilities for spending half of each summer vacation in engineering works.

Evening Classes in the Faculty of Laws.

OTHER COURSES. The Associateship of King's College (A.K.C.) is open to men and women who have graduated after 3 yrs.' course and have also attended prescribed course in Divinity and passed appropriate examinations.

ADVANCED STUDY. Special facilities in English (including Bibliography), History (especially Mediaeval, Colonial and Ancient), Palæography, Portuguese, Spanish, Modern Greek, Education and several Depts. of Science. All Faculties accept students for postgraduate courses.

FEES. Tuition per Session, including fees for games, library and union society: Arts, 34 to 37 gs.; Laws, 25 gs. (Even.), 34 gs. (Day); Science, 34 gs. (Maths.), 50 gs. (others); Med., £40 to £44; Engin., 60 gs.; Master's degrees or Ph.D., 21 gs.

SCHOLARSHIPS. For undergraduates: In Arts 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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs.: *see* Appendix II.

ENTRANCE SCHOLARSHIPS in all Faculties.

RESIDENCE. Halliday Hall, South Side, Clapham Common, S.W.4, for

130 men; fees, £110 to £125 a session. King's College Hall, Champion Hill, S.E.5, for 90 men; fees, £110 a session.

A REGISTER OF FORMER STUDENTS is maintained. Membership of the Old Students' Association enables former students to keep in touch with one another and with the College.

PUBLICATIONS. Separate Syllabus for each Faculty post free. *Calendar*, 7s. 6d. post free; *K.C. Review*; Union Society *Handbook*; *King's Engineer*; *King's Counsel*; Old Students' Association *Year Book*.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Agricultural Research Council, grant in aid of investigations in Dept. of Org. Chem. and £878 in aid of electron microscope studies of spermatozoa; Anglo-Iranian Oil Co., £600 for hydrocarbon res.; Anglo-Saxon Petroleum Co., £100 for geological field work; British Celanese, £500; Goldsmiths' Co., grants for vac. travel; Inst. of Petroleum, £400 for purchase of equipment for Mass Spectrographic res.; Metal Box Co., offer to grant £300 p.a. to res. funds of Dept. of Chem.; Monsanto Chemicals, res. scholp. of £500 p.a.; Nuffield Foundation, £10,000 over 3 yrs. for res. assts. in Dept. of Phys.; Rockefeller Foundation, \$37,000 for res. in biophys. from Oct. 1950 to Sept. 1954.

NEW BUILDINGS. Construction of new labs. for Phys. and Engin. beneath the Coll. quadrangle continued; reconstruction in Chem. Dept. resulting in virtually new labs. completed; reconstruction of Heat Engines Lab. progressed.

RETIREMENT. Prof. H. F. Hallett (Philos., 1931 to 1951).

RESIGNATIONS. Prof. C. R. Boxer (Portuguese), apptd. Prof. of Hist. of Far East, Sch. of Oriental and African Studies; G. W. Williams (Classics), apptd. Lectr. in Latin, U.C. of S. Wales and Mon.; E. H. Robinson (English), apptd. Lectr., U.C., Ibadan; G. T. Hesketh (Laws); F. Booth (Theoret. Phys.); Dr. N. G. Trott (Phys.); D. E. Savage (Anat.); Dr. A. W. Hendry (Civ. Engin.), apptd. Prof. of Engin., U.C., Khartoum.

DEATHS. A. J. Allmand, M.C., F.R.S. (Prof. of Chem., 1919-38, Daniell Prof. and Hd. of Dept., 1938-50, Fellow of the Coll.); Miss Violet A. P. Coghill (Demr. in Anat., 1920-28, and Lectr., 1928-37); G. Cook, F.R.S. (Prof. of Mech. Engin., 1921-36); W. T. Gordon (Lectr. and Hd. of Geol. Dept., 1913-20, Prof. of Geol., 1920-49, Fellow of the Coll.); Dr. Hilda D. Oakeley (Warden of King's Coll. for Women and Lectr. in Philos., 1907-15, Lectr. in Philos., King's Coll., 1915-21, and Reader, 1921-31); H. Potter (Reader in Laws, 1930-38, Prof. of English Law, 1938-51, Fellow of the Coll.); E. Prestage (Camoens Prof. of Portuguese Lang. and Lit., 1923-36); S. A. F. White (Demr. in Nat. Philos., 1894-1903, Prof. of Maths., 1903-32, Fellow of the Coll.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	211	1297
Women	52	351
Total	263	1648

Included in the above are 368 postgraduate students and 521 new admissions.

DEGREES OBTAINED. *Arts*: B.A., 140; M.A., 18; Ph.D. (Arts), 11. *Theol.*: B.D., 16; M.Th., 2; Ph.D. (Theol.), 1. *Engin.*: B.Sc. (Eng.), 17; M.Sc. (Eng.), 2; Ph.D. (Eng.), 3. *Laws*: LL.B., 71; Ph.D. (Laws), 1. *Nat. Sci.*: B.Sc., 122; M.Sc., 7; Ph.D. (Sci.), 26.

CERTIFICATES OBTAINED. Postgrad. Certif. in Educn., 73.

[Information compiled as at 1/5/52.]

KING'S COLLEGE OF HOUSEHOLD AND SOCIAL SCIENCE*

Founded 1908

Postal Address : 61 Campden Hill Road, London, W.8.

Telephone and Telegrams : Western 3704.

CHAIRMAN OF COUNCIL—Sir JOHN ATKINS, K.C.M.G., K.C.V.O.

PRINCIPAL—M. JOAN SARGEANT, 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.

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.

Assistant Lecturers

Cheeseman, G. W. H., Ph.D.

Ottewill, R. H., Ph.D.

Economics and Business Affairs

Stanners, H., B.Sc. (Econ.)

Sr. Lectr.

Heasman, Mrs. Kathleen J., M.A.
Camb. Lectr.

Household Work

Walley, Joan E., B.Sc. Sr. Lectr.

Chappell, Gweneth M., M.Sc.
Lectr.

Begrie, Irene C. Lectr.

Gardiner, Mrs. Margaret, B.Sc.

Lectr.

Clements, Winifred M., B.Sc.

Asst. Lectr.

Anderson, J. Audrey, B.Sc.

Asst. Lectr.

Jones, J. Elinor

Asst. Lectr.

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.

Lemcke, Ruth M., B.Sc.

Asst. Lectr.

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.

* Application has been made for a Charter under which the College will be known as Queen Elizabeth College.

Mercer, Mrs. Georgina F. M., B.Sc.	Cheesman, Mrs. Elizabeth, B.Sc.
Lectr.	Asst. Lectr.
Copping, Alice M., M.Sc. N.Z.	<i>Psychology</i>
Lectr.	 Lectr.
Batchen, Judith M., B.Sc. Q'ld.	<i>Social Science</i> [Sr. Lectr.
Asst. Lectr.	Stanners, H., B.Sc. (Econ.)

GENERAL INFORMATION

Formerly a dept. of King's Coll. for women ; since 1928 an independent School of the Univ. in the Fac. of Science. Library contains 7600 vols. (not including periodicals). Facilities for research work in the Labs. Degree Course for B.Sc. in Household and Social Science ; Courses for Univ. of London Academic Postgraduate Dipl. in Dietetics and for Univ. of London Sister Tutor's Dipl. Students also prepared for Coll. Certif. in Institutional Management and for the Health Visitors' Examn. of the Royal Sanitary Inst. Residential accomm. (Queen Mary's Hostel) for 155 (approx.) 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*, 2s.

THE YEAR 1950-51

NEW BUILDINGS. Holly Lodge, Campden Hill, taken into use, Lent Term, 1951, providing addtnl. Lecture, Tutorial and Common Rooms for Staff and Students, and another tennis court in adjoining grounds ; rebuilding of East Block (destroyed by enemy action) is nearing completion and is to consist 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).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	..
Women	..	259

Included in the above are 8 postgraduate students and 57 first-year admissions.

DEGREES. B.Sc. (Household and Social Science), 37.

[Information compiled as at 20/5/52.]

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Founded 1895

Postal Address : Houghton Street, Aldwych, London, W.C.2.

Telegrams : Poleconics, Estrand, London.

Telephone : Holborn 7686.

CHAIRMAN OF COURT OF GOVERNORS—SIR OTTO NIEMEYER, G.B.E.,
K.C.B., B.A.

VICE-CHAIRMAN—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.
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.
Leach, E. R., M.A. Camb., Ph.D.
Reader.
Freedman, M., M.A. Lectr.
1 Asst. Lectr.

Banking, Currency 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.

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. Königs-
 berg Reader.
- Demography*
 Grebenik, E., M.Sc. (Econ.)
 Reader.
- Economics*
 Robbins, L. C., C.B., M.A. Oxon.,
 B.Sc. (Econ.), F.B.A. Prof.
 Phelps Brown, E. H., M.B.E.,
 M.A. Oxon. Prof.
 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. Cornell,
 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.
 Radomysler, A., B.Sc. (Econ.)
 Lectr.
 Ryan, W. J. L., M.A., Ph.D. Dub.
 Lectr.
- 7 Asst. Lectrs., 1 Pt.-time Asst.
 Lectr.
- English* (as a foreign language)
 Chapman, R., B.A. Oxon., M.A.
 Lectr.
- Ethnology*, v. Anthropology
Finance, v. Banking
French, v. Modern Languages
Geography, v. also Commerce
 Stamp, L. D., C.B.E., B.A., D.Sc.,
 D.Lit. (Social Geog.) Prof.
 Buchanan, R. O., M.A. N.Z., B.Sc.
 (Econ.), Ph.D. Prof.
 Buchanan, K. M., B.A. Birm.
 Lectr.
 Harrison-Church, R. J., B.Sc.
 (Econ.), Ph.D. Lectr.
 Rawson, R. R., B.Sc. Wales Lectr.
 Sinclair, D. J., M.A. Edin. Lectr.
 Wise, M. J., M.C., B.A., Ph.D.
 Birm. Lectr.
- 3 Asst. Lectrs.
- German*, v. Modern Languages
History, Economic and Political
 Ashton, T. S., M.A. Manc., F.B.A.
 Prof.
 Beales, H. L., M.A. Manc.
 Reader.
 Carus-Wilson, Eleanora M., M.A.
 Reader.
 Fisher, F. J., M.A. Reader.
 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.
- 6 Asst. Lectrs.
- History, International*
 Toynbee, A. J., B.A., D.Litt. Oxon.
 and Birm., F.B.A.
 Stevenson Research Prof.

Webster, Sir Charles K., K.C.M.G.,
M.A., Litt.D. Camb., P.B.A.
Stevenson Prof.

Robinson, L. G., M.A. Oxon.
Dean of Postgrad. Studies
and Reader.

2 Asst. Lectrs.

International Relations

Manning, C. A. W., M.A., B.C.L.
Oxon. Montague Burton Prof.

Wight, R. J. M., B.A. Oxon.
Reader.

Lecturers

Chambers, F. P., M.A. Camb.

Goodwin, G. L., B.Sc. (Econ.).

Tunstall, W. C. B., M.A. Camb.

1 Asst. Lectr.

Law

Gower, L. C. B., M.B.E., LL.M.
(Comml. L.) Cassel Prof.

Kahn-Freund, O., Dr. Jur. Frank-
furt, 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.

..... Prof.

Phillips, A., M.A. Oxon. (L. in
Colonial Territories) Reader.

Other Lecturers

Chorley, Rt. Hon. Lord, M.A.
Pt.-time.

Griffith, J. A. G., LL.M. (Ad-
min. L.).

Grunfeld, C., M.A., LL.B. Camb.

Mitchell, J. D. B., LL.B.

Schapiro, L. B., LL.B. Pt.-time.

de Smith, S. A., M.A. Camb.

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.

Guercio, F. M., B.A. Liv. (Ital.)
Lectr.

Reiss, H. S., B.A., Ph.D. Dub.
(German) Lectr.

Scott-James, Mrs. Paule H. J.,
B.Litt. Oxon., Ag. de l'U.
(French) Lectr.

3 Asst. Lectrs.

Politics and Public Administra- tion

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., M.A. Leeds, Chev.
Lég. d'H. Sr. Lectr.

Bassett, R., M.A. Oxon. Lectr.

Davis, S. R., LL.B. W.Aust.,
Ph.D. 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.
 Spencer, J. C., M.A. Oxon., Ph.D., J.P. Lectr.
 Stewart, Katharine F. Organizer of Practical Training.
 Willoughby, Gertrude, M.A. Sheff., D. de l'U. Paris Lectr.
 Younghusband, Eileen, M.B.E., Dip. in Sociol., J.P. Pt.-time Lectr.
 2 Asst. Lectrs.
 Lecturers for Course in Mental Health
 McDougall, Mrs. Kate F.
 Joseph, Betty Pt.-time Lectr.
 1 Asst. Lectr.
 Occasional Lecturers
 Gardner, Dorothy E. M., M.A.
 Gillespie, W. H., M.D., M.B., Ch.B.
 Hilliard, L. T., M.A., M.B.
 Lewis, J. B. S., M.B., D.P.M.
- Mackintosh, Prof. J. M., M.A., M.D., D.P.H., F.R.C.P.
 Miller, E., M.A., F.R.C.P., D.P.M.
 Winner, Albertine L., O.B.E., M.D.
Sociology, v. also *Anthropology*
 Ginsberg, M., M.A., D.Lit. Martin White Prof.
 Glass, D. V., B.Sc. (Econ.), Ph.D. Prof.
 Chambers, Rosalind C., B.Sc. (Econ.) Lectr.
 Floud, Jean E., B.Sc. (Econ.) Lectr.
 Gellner, E. A., B.A. Oxon. Lectr.
 Hinchliffe, Betty R., B.Sc. (Econ.) Lectr.
 MacRae, D. G., M.A. Glas. and Oxon. Lectr.
 3 Asst. Lectrs.
Statistics
 Allen, R. G. D., O.B.E., M.A. Camb., D.Sc. (Econ.) Prof.
 Kendall, M. G., M.A., Sc.D. Camb. Prof.
 Rhodes, E. C., B.A. Camb., D.Sc. Reader.
 Booker, H. S., M.Sc. (Econ.) Lectr.
 Durbin, J., M.A. Camb. 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 Post-graduate 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 on English and general knowledge.

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 £300 p.a. may be awarded to students who have shown promise in pt.-time studies. Scholps. are also awarded during the undergraduate course, some of which are eligible for supplementation by the Ministry of Education.

RESIDENCE. Passfield Hall, 1-5 Endsleigh Place, W.C.1, for about 80 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 1950-51

NEW BUILDINGS. By a generous gift from Mrs. Skepper, mother of former student, house in John Adam Street purchased, in which Dept. of Sociol. and

Demog. Res. has been established ; 24 new tutorial rooms and new Sr. Common Room built and student and staff dining-rooms enlarged ; two sets of offices in Clements Inn leased for accomm. of res. and other staff.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. W. H. McNeil, Chic. ; Prof. J. Gillin, N. Carolina ; Dr. Paul Ylvisaker, Swarthmore Coll. ; under scheme for promoting Northern Studies, Prof. H. E. Pipping, Helsingfors, visited School in Summer Term, Prof. T. Segerstedt, Uppsala, and Prof. M. Sørensen, Aarhus, in Michaelmas Term, and Prof. H. Wold, Uppsala, in the Lent Term ; under Univ. scheme of advanced lectures, Dr. M. Beloff, Oxon., lectured on "The Frontiers of Political Analysis," Prof. K. C. Wheare, Oxon., on "Bureaucracy," Prof. W. J. M. MacKenzie, Manc., on "The Conventions of English Local Government," Prof. Th. Geiger, Aarhus, gave 3 lectures on "Social Mobility," Prof. Sir Alexander Gray, Edin., 2 lectures on "Some Aspects of the History of Economic Thought," Prof. E. H. Chamberlin, Harv., lectured on "Monopolistic Competition revisited," and Prof. W. Gellhorn, Col., on "Civil Liberties in the United States To-day."

RETIREMENT. Dr. R. H. Tawney (Prof. Emeritus, Econ. Hist.).

RESIGNATIONS. Dr. R. H. Coase (Econ.), apptd. to a Chair, Buffalo U. ; Dr. O. H. K. Spate (Geog.), apptd. to Chair of Geog., A.N.U. ; R. C. Tress (Pub. Fin.), apptd. to a Chair, Bristol U. ; G. S. Dorrance (Econ.), apptd. to post in Statistics Division, International Monetary Fund ; J. R. Friedman (Colonial Admin.) ; Dr. D. M. Schneider (Anthropol.) ; M. E. Bellancourt (French) ; Elizabeth J. Bott (Anthropol.) ; N. E. Potts (French) ; Dr. I. J. Thirsk (Sociol.), apptd. Sr. Res. Fellow in Eng. Agrarian Hist., Leicester U.C.

DEATHS. Sir Ralph Harwood (Governor, 1936-45) ; Rt. Hon. Sir Anderson Montague-Barlow (member of teaching staff, 1896-1901, Lectr. in Commercial Law) ; Sir Herbert Morgan (member of Ct. of Governors since 1921, and member of Standing Committee, 1939-50) ; Dr. H. V. Routh (Reader in English at the School and King's Coll. jointly, 1930-38) ; H. Salmon (member of Ct. of Governors since 1939).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	367	1351
Women	59	423
Total	426	1774

Included in the above are 471 postgraduate students and 459 first-year admissions.

DEGREES, ETC. B.A., 21 ; M.A., 9 ; D.Lit., 1 ; B.Sc. (Econ.), 235 ; M.Sc. (Econ.), 14 ; D.Sc. (Econ.), 1 ; B.Com., 36 ; Ph.D., 41 ; LL.B., 42 ; LL.M., 3. **DIPLOMAS.** Anthropol., 3. **CERTIFICATES.** Soc. Sci. and Admin., 74 ; Soc. Sci. and Admin. (Colonial), 12 ; Mental Health, 29 ; Internat. Studies, 3.

[Information compiled as at 2/5/52.]

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.

Telephone : Advance 4211.

PATRON—H.M. QUEEN MARY.

CHAIRMAN OF THE GOVERNORS—Sir ALBERT STERN, K.B.E., C.M.G., M.A.

PRINCIPAL—Sir THOMAS P. CREED, K.B.E., M.C., Q.C., M.A. Oxon.

REGISTRAR—R. P. TONG, O.B.E., M.A. Camb.

DEANS—*Arts*, Prof. W. A. LAIDLAW, M.A., Litt.D. Dub. *Science*, J. F. KIRKALDY, D.Sc. *Engineering*, Prof. N. A. V. PIERCY, D.Sc. (Eng.). Dean for Medical Students, G. E. NEWELL, B.Sc., Ph.D.

LIBRARIAN—A. WHITWORTH, M.A. Leeds.

TEACHING STAFF

Botany

Haines, F. M., B.Sc., Ph.D., D.Sc.

Prof.

Newby, H. V., B.Sc. (Agric.), B.Sc.

Lectr.

Godward, Maud B. E., M.Sc.,

Ph.D.

Lectr.

Wanstall, P. J., B.Sc. Asst. Lectr.

Taylor, F. J., M.Sc. Sheff.

Asst. Lectr.

Chemistry

Dewar, M. J. S., 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.

Mozley, J. H., M.A. Camb. Reader.

Denny, G. A. W., T.D., M.A.

Camb.

Lectr.

Kilburn, K., M.A. Liv. Lectr.

Engineering, Aeronautical

Piercy, N. A. V., D.Sc. (Eng.),

F.R.Ae.S.

Prof.

Whitehead, L. G., B.Sc. (Eng.),

Ph.D.

Reader.

McQuillin, L. A., M.A. Oxon.

Lectr.

Cohen, M. J., B.Sc., B.Sc. (Eng.)

Demr.

Engineering, Civil and Mechanical, v. also Eng., Aero.

Giffen, E., M.Sc. Belf., D.Sc.,
Ph.D. Prof.

King, J. W. H., M.Sc. Manc.
Reader.

Lecturers

Brendel, F. C. L., B.Sc. (Eng.),
Ph.D.

Hampson, H., M.Sc. (Tech.) Manc.

Daniel, A. W. T., M.A. Camb.

Webb, C. R., B.Sc. (Eng.).

Lavender, J. G., B.Sc. (Eng.).

Stephens, R. C., B.Sc. (Eng.)
Asst. Lectr.

Engineering, Electrical

John, W. J., B.Sc., D.I.C. Prof.
Stoner, C. R., B.Sc. Reader.

Lecturers

Tropper, H., Dip.Ing. Vienna,
Ph.D.

Mansfield, W. K., B.Sc.

Webster, E. W., B.Sc. (Eng.),
Ph.D.

Cutteridge, O. P. D., M.Sc. (Eng.).

Diamand, W. B., Eng. Dipl.
Lwow.

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., Ph.D. Groningen.

Thompson, Marjorie, M.A.

Hammond, Hope, M.A. Camb.

Sisam, Celia, B.A. Oxon.

French Lang. and Lit.

Dechamps, J., Chev. Lég. d'H.,
D. ès L. and Ph. Liège

Prof.

Rozelaar, L. A., M.A. Lectr.

Collas, J. P., B.A., B.Litt. Oxon.
Lectr.

Derôme, R., M.A. Georgia, L. ès L.
Sorbonne Lectr.

Holmes, Peggy P., B.A.
Asst. Lectr.

Worthing, Beatrice M., B.A.,
Ph.D. Asst. Lectr.

Geography

Crowe, P. R., Ph.D. Glas., B.Sc.
(Econ.) Reader.

Mutton, Alice F. A., M.A., Ph.D.
Lectr.

Coker, J. A., B.A. Lectr.

Robinson, A. H. W., B.Sc.
Asst. Lectr.

Geology

Kirkaldy, J. F., D.Sc. Reader.

Whitten, G. H. T., B.Sc. Lectr.

Middlemiss, F. A., B.Sc.
Asst. Lectr.

German Lang. and Lit.

Hatto, A. T., M.A. Reader.

Gilbert, Mary E., Ph.D. Berlin
Lectr.

Rüdenberg, W. Lectr.

History, Modern

Bindoff, S. T., M.A. Prof.

Chew, Helena M., M.A., Ph.D.
Lectr.

..... Asst. Lectr.

Leslie, R. F., B.A., Ph.D.
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.

Gliddon, J. E. C., M.Sc. Lectr.

Hall, R., M.Sc. Lectr.

Physics

Robinson, H. R., Ph.D. Camb.,
D.Sc. Manc., F.R.S. Prof.
Eisenschitz, R. K., Dr.Phil. Munich
Reader.
Jones, G. O., M.A., B.Sc. Oxon.,
Ph.D. Sheff. Reader.

Lecturers

Irons, E. J., Ph.D., D.Sc.
Leech, J. W., B.Sc., Ph.D.
Heastie, R., B.Sc.
Barker, J. R., B.Sc., Ph.D.
Pryde, J. A., B.Sc., Ph.D.
Dobbs, E. R., B.Sc., Ph.D.

Spanish

Barragán, J. V. Lectr.

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.
Dixey, Leslie R., B.Sc. Asst. Lectr.
Carthy, J. D., M.A. Camb., Ph.D.
Asst. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Women's Tutor : Peggy P. Holmes, B.A. Warden of Men's Hostel : B. H. Chirgwin, M.A., B.Sc. Warden of Women's Hostel : Peggy P. Holmes, B.A.

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 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 instructn. 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 and becoming the first Patron and Hon. Fellow.

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.

LABORATORIES for res. in Phys., Chem., Electr. Engin. Whitstable Lab. for study of Marine Ecology.

FEES from £30 : 2 : 6.

RESIDENCE, ETC. For Men (fees for residence and partial board : from £84 p.a.) : Elmhurst, High Rd., S. Woodford, London, E.18. For Women (fees for residence and partial board : £100 p.a.) : Lynden Hall, High Rd., S. Woodford, London, E.18.

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 1950-51

NEW BUILDINGS. Cross Block, constructed on burnt-out Queen's Hall site in centre of main Coll. bldgs., opened at beginning of session. Construction of Nuclear Particle Lab. continues.

NEW POSTS. Univ. Prof. of Zool. and Hd. of Dept.; Univ. Reader in Aeronaut. Engin.; Sr. Lectr. in charge of Nuclear Particle Lab.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. B. Ifor Evans (Principal), Brussels, Liège, Ghent; Prof. J. R. Sutherland, Indiana; Prof. E. Giffen, U.S.A.; Prof. G. C. McVittie, Harv., Carnegie Inst., Washington, Prin., M.I.T.; Dr. S. G. Soal, Duke Univ., City Coll., N.Y.

RETIREMENTS. Prof. J. R. Partington (Chem.); Prof. E. Cammaerts (French) discontinued his part-time assistance.

RESIGNATIONS. Dr. B. Ifor Evans (Principal), apptd. Provost, University Coll., Lond.; Dr. J. H. Blaney (Maths.), apptd. Prof. of Maths., U.C. of Gold Coast; J. Hurstfield (Hist.), apptd. Lectr. at University Coll., Lond.; N. Lindop (Chem.), apptd. to post with Civil Service Commission.

DEATH. Prof. F. Clarke, Hd. of Hist. Dept.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	24	710
Women	4	245
Total	28	955

Included in the above are 112 postgraduate students and 383 first-year admissions.

DEGREES. B.A., 86; B.Sc., 106; B.Sc. (Eng.), 53; M.A., 4; M.Sc., 6; M.Sc. (Eng.), 3; Ph.D. (Arts), 3; Ph.D. (Sci.), 11; Ph.D. (Eng.), 8; D.Sc. (Eng.), 2.

[Information compiled as at 1/5/52.]

ROYAL HOLLOWAY COLLEGE *

Founded 1886

Postal Address : Englefield Green, Surrey.

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., B.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, Gwyn, D.Sc. Wales,
Ph.D. Camb. Prof.

Foster, A. G., B.A., B.Sc. Oxon.,
Ph.D. Reader.

Singer, K. G., Ph.D. Glas., B.Sc.
Lectr.

Bonner, T. G., Ph.D., B.Sc.
Lectr.

Bird, Mrs. Gwendoline R., B.Sc.
Asst. Lectr. and Demr.

Tyler, Jean M., B.Sc.

Asst. Lectr. and Demr.

Classics

Tredennick, H., M.A. Camb. Prof.

Woodward, Avery, M.A. Camb.
and Lond. Reader.

Miller, Norma P., M.A. Glas., B.A.

Camb. Asst. Lectr.

Thomas, Elizabeth, B.A. Wales,

M.A. Asst. Lectr.

English

Willcock, Gladys D., M.A. Prof.

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. Lectr.

Brereton, Georgine E., B.A.,
B.Litt. Oxon. Lectr.

* For women.

Gravel, Colette, Ag. de l'U.
Bordeaux (France) 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.
Keller, R. E., Dr.Phil. Zür., M.A.
Manc. Lectr.
Jenkins, S. Patricia, M.A. Lectr.
1 Assistantin.

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. 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., B.A. Camb.
Asst. Lectr.
Hartley, E. Mary, M.A., Ph.D.
Camb. Asst. Lectr.
Hunter, Mrs. Eileen M., B.Sc.
Asst. Lectr.

Music

Scourse, Joan C., B.Mus. Lectr.
Legge, B. Pompilia, M.A. Oxon.
Asst. Lectr.
Parker, Jean, F.R.C.O.
Pt.-time Asst.

Physics

Tolansky, S., B.Sc. Durh., Ph.D.
Durh. and Lond., D.Sc. Manc.,
F.R.S., F.R.A.S. Prof.
Smith, C. J., Ph.D., M.Sc.
Lectr. and Asst. Dir.
Phys. Lab.
Hutten, E. H., Ph.D. Berlin Lectr.
Edmondson, A. S., M.Sc. Lectr.
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.
Crow, Marion F., B.Sc. Glas.
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 Asst. Librarian ; 2 Library Assts. 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 £200 a yr. for tuition and residence ; lab. fees, 1-2 gs. per yr. for each practical subject. Postgraduates, 10-24 gs. ; residence, £150 a yr. Special subjects (Music, Elocution, Art, etc.), ½-5 gs. a term. Registration, £2. Theoric (covering Union and games subscriptions), £1 : 10s.

STUDENTSHIPS. 6 Driver, 1 Christie, 1 Loney.

POSTGRADUATE AWARDS (FELLOWSHIPS, STUDENTSHIPS, ETC.) open to graduates of other Univs. : *see* Appendix II.

LIBRARY. 40,000 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 1950-51

NEW BUILDINGS. New Chem. Lab. completed and Univ. Botanical Supply Unit established.

NEW POSTS. Lectureships in English, German and Hist.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Dr. M. Bradburn, U.S.A., as holder of Commonwealth Fellowship.

RESIGNATIONS. Dr. J. A. Jacobs (Maths.), apptd. Assoc. Prof., Tor. U.; Dr. M. A. Murray (Chem.); Miss E. M. Austin (Phys.); Miss S. J. Browne (French), apptd. Tutor and Lectr. in French, St. Hilda's Coll., Oxon.; Dr. L. Köhler (German); Mrs. K. Mackay (Chem.); Miss M. Sharman (Zool.), apptd. Asst. Lectr. at King's Coll. of Household and Soc. Sci.; Miss L. M. Silver (Phys.); Miss A. M. Taylor (Hist.); Miss M. W. McKerrow (Asst. Registrar), apptd. Personal Asst. to Principal, Wigan & District Mining & Technical Coll.; Miss E. S. Smallbone (Bot. Gardener); Sister M. J. Thomas.

DEATHS. Miss E. M. Rowell (Asst. Lectr. in Maths., 1899-1902, Staff Lectr., 1902-07, Sr. Staff Lectr., 1907-37); Miss N. C. Jolliffe (Sr. Staff Lectr. in Classics, 1934-36).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3	15
Women	27	332
Total	30	347

Included in the above are 39 postgraduate students and 116 first-year admissions.

DEGREES. B.A., 55; B.Sc., 39; M.A., 2; M.Sc., 1.

[Information compiled as at 10/5/52.]

ROYAL VETERINARY COLLEGE AND HOSPITAL

Admitted as a School of London University in the Faculty of
Medicine, Oct. 1, 1949

Founded 1791

Postal Address : Royal College Street, Camden Town, London, N.W.1.

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.
Wadsworth, F., B.Sc. Asst. Lectr.

Animal Husbandry and Veterin- ary Hygiene

Scorgie, N. J., M.A., B.Sc. Aberd. Prof.
Abrams, J. T., M.Sc., Ph.D. Lectr.
Willis, G. A., B.V.Sc. Liv. Lectr.
Offord, E. C. Asst. Lectr.
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. Asst. Lectr.

Biochemistry

Marchant, R. H., B.Sc. Lectr.

Brunditt, Eileen, B.Sc. R'dg.

Asst. Lectr.

Biology

Jackson, J. H., M.A., B.Sc. Aberd. 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.
Watts, C. R., 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. Prof.
 Allen, H. R. Reader.
 Holmes, J. W. H., D.V.S.M. Reader.
 Daykin, P. W., B.Sc. Lectr.
 Greatorex, J. C., F.R.San.I. Lectr.
 Lewis, E. F. Lectr.
 Dring, J. C. Asst. Lectr.
 Faull, W. B., B.Sc. Asst. Lectr.
 Jack, E. J. Asst. Lectr.

Parasitology

Oldham, J. N., B.Sc., Ph.D. Edin. Reader.
 Beresford-Jones, W. P., M.A. Asst. 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. 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. 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.
 Roberts, E. J. Lectr.
 Hart, C. B., B.Sc. Asst. Lectr.
 Yeats, J. J. Asst. Lectr.
 Vaughan, L. C. Asst. Lectr.
 Johnson, Audrey I. House Surgeon.
 Weaver, Barbara M. Q. House Surgeon.

GENERAL INFORMATION

Founded in 1791. Incorporated by Royal Charter, 1875. A School of the Univ. in the Fac. of Medicine.

FEES. Annual fees, £51 per session.

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	340
Women	..	27
Total	..	367

[Information compiled as at 30/4/52.]

SCHOOL OF ORIENTAL AND AFRICAN STUDIES

Founded 1916

Postal Address : University of London, London, W.C.1.

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.

Hindi

Kulshreshtha, P. N., M.A., D.Phil.
Alld. Lectr.

Hindustani

Judd, Capt. A. R. Temp. Lectr.

Indian Archæology

Codrington, K. de B., M.A. Camb.
Prof.

Richards, F. J., M.A. Oxon.
Hon. Lectr.

Indian Music

Bake, A. A., D.Litt. Utrecht, 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

Burton-Page, J., B.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. Lectr.

Urdu

Bilgrami, H. H., M.A., D.Phil. Alld. Lectr.
Russell, R., M.A. Camb., B.A. Lectr.

**Department of South-East Asia
and the Islands**

Burmese

Pe, Hla, M.A. Rang., Ph.D. Lectr.
Searle, H. F., B.A. Oxon. Temp. Lectr.

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 Temp. Lectr.

Siamese

Henderson, Eugénie J. A., B.A. Sr. Lectr.

South-East Asian Studies

Luce, G. H., C.B.E., M.A. Camb. Visiting Lectr.

Tai

Simmonds, E. H. S., B.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. Berlin, D.Lit. Prof.
Birch, C., B.A. Lectr.
Ch'in, Mrs. Grace S., B.A. Nanyang Lectr.
Chinnery, J. D., B.A. Lectr.
Downer, G. B., B.A. Lectr.
Graham, A. C., B.A. Oxon., B.A. Lectr.
Liu, J. J., B.A. Peking Lectr.
Locke, Marjorie A., B.A., Ph.D. Lectr.
Pulleyblank, E. G., B.A. Alta., Ph.D. Lectr.
Simon, H. F., B.A. Lectr.
Watkins, D. E., M.A. Oxon., B.A. Lectr.
Whitaker, Mrs. Katherine P. K., B.A. Hong Kong, M.A. Oxon., Ph.D. Lectr.
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.
Dore, R. P., B.A. Lectr.
Dunn, C. J., B.A. Lectr.
Matsukawa, B. Lectr.
Mills, D. E., M.A. Camb., B.A. Lectr.

O'Neill, P. G., B.A. Lectr.
 Yanada, S., M.Econ. Tokyo Lectr.

Korean

Zong In-Sob, M.A. Tokyo Lectr.

Tibetan

Snellgrove, D. L., B.A. Camb.
 Lectr.

Department of the Near and Middle East

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.

Arafat, W., B.A. Lectr.

Azzam, M. A., M.A. Cairo Lectr.

Cowan, D., M.A. Lectr.

Fakhry, M., M.A. Beirut, Ph.D.
 Edin. Lectr.

Hopkins, J. F. P., B.A. Camb.
 Lectr.

Jones, J. M. B., M.A. Lectr.

Armenian

Topalian, S. Sr. Lectr.

Central Asian Studies

Henning, W. B., Dr.Phil. Gött.
 Prof.

Boyce, Norah E. M., M.A., Ph.D.
 Camb. (W. Iranian) Lectr.

Georgian

Lang, D. M., M.A., Ph.D. Camb.
 Pt.-time Lectr.

Hebrew, Modern

Wartski, I., B.A. (Ahad Ha'am
 Lectr.) Sr. Lectr.

Segal, J. B., M.C., M.A. Camb.,
 D.Phil. Oxon. Lectr.

Hebrew Palæography and Epi- graphy

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

Arnott, D. W., B.A. Camb. Lectr.

Berry, J., B.A. Leeds Lectr.

Rowlands, Rev. E. C., M.B.E.,
 M.A. Camb. Lectr.

Bantu Languages

Guthrie, Rev. M., Ph.D., B.Sc.
 (Eng.) Prof.

Atkins, W. G., M.A. Oxon., D.Phil.
 Prague (E. Bantu Langs.)

Lectr.

Westphal, E. O. J., M.A. Rand.
 (S. Bantu Langs.) Lectr.

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.
Albrow, K. H., B.A. Lectr.
Allen, W. S., M.A., Ph.D. Camb.
(Comparative L.) Lectr.
Hughes, H. G. A., M.A. Oxon.
Lectr.
Mitchell, T. F., B.A. Lectr.
Palmer, F. R., M.A. Oxon. Lectr.
Robins, R. H., M.A. Oxon. Lectr.

Phonetics

Scott, N. C., B.A., B.Sc. Reader.
Henderson, Eugénie J. A., B.A.
Sr. Lectr.
Whitley, Mrs. Eileen M., B.A.
Sr. Lectr.
Carnochan, J., B.A. Lectr.
Jones, W. E., M.A. Leeds Lectr.
Price, P. I., B.A. Lectr.
Sharp, A. E., M.A. Camb. Lectr.
Sprigg, R. K., M.A. Camb. Lectr.
Waterson, Mrs. Natalie, B.A.
Lectr.

Department of History

History of Eastern Africa

Oliver, R. A., M.A., Ph.D. Camb.
Lectr.
Hamilton, R. A., M.A. Oxon.
Lectr.

*History of India and Further
India*

Philips, C. H., M.A. Liv., Ph.D.
(Oriental History) Prof.

Ballhatchet, K. A., M.A. Camb.
(Mod. Ind. Hist.) Lectr.

Basham, A. L., B.A., Ph.D. (Anc.
Ind. Hist.) Lectr.

Hardy, P., M.A. Camb. (Muslim
Period) Lectr.

Harrison, J. B., B.A. Camb.
(Mod. Ind. Hist.) Lectr.

History of South-East Asia

Hall, D. G. E., M.A., D.Lit. Prof.
Cowan, C. D., M.A. Camb. Lectr.
Tinker, H. R., B.A. Camb., Ph.D.
Lectr.

History of the Far East

Boxer, C. R., Hon. Litt.D.
Utrecht Prof.
Beasley, W. G., B.A., 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.
Allott, A. N., B.A. Oxon. (African
L.) Lectr.
Derrett, J. D. M., M.A. Oxon.,
Ph.D. (Hindu L.) Lectr.
Gledhill, A., M.A. Camb. (Indian
and Burmese L.) Lectr.
Kader, Shaikh Abdel, Dr.Phil.
Berl., Ph.D. (Islamic L.)
Pt.-time Lectr.

Bartholomew, G. W., B.Sc., LL.B.
Asst. Lectr.

*East African Languages and
Cultures*

**Department of Cultural
Anthropology**

Asian Anthropology

Fürer-Haimendorf, C. von, D.Phil.
Vienna Prof.

Huntingford, G. W. B., B.Sc.
Oxon. 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 : Mrs. Josephine M. Brown. 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.

SCHOOL OF ORIENTAL AND AFRICAN STUDIES 263

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. Its object is promotion and teaching of art and culture of China and surrounding region.

LIBRARY. Approx. 120,000 printed books and pamphlets, and 1000 manuscripts and approx. 16,000 books in the library of Sir Reginald Johnston.

FEES. Details of fees are given in the *Calendar*, which may be obtained on application to the Registrar.

SCHOLARSHIPS, ETC. Forlong Scholarships, value £150, and Forlong Exhibitions, value £50, are awarded as funds become available. 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).

STUDENT UNION. All School students entitled to facilities, including membership of J. Common Room, facilities for sport and social clubs. Affiliated to Univ. Union.

PUBLICATIONS. *Calendar* (free); *Annual Report* (free); *Bulletin* (30s. per part).

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. *Commonwealth Govts.*: India, General Funds, £1000, Nizam's Readership in Urdu, £250; 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; Malaya, £365; Singapore, £210; *Other Contributors*: Govt. of Sudan, £400; Govt. of Iraq, £100; Anglo-Iranian Oil Co., Ltd., £2000; Iraq Petroleum Co., Ltd., £2000; Consolidated Petroleum Co., Ltd., £1500; Shell Petroleum Co., Ltd., £262: 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.

THE PERCIVAL DAVID FOUNDATION OF CHINESE ART. Work on adaptation of 53 Gordon Square as temporary home almost completed. Foundation officially began to function July 1951.

NEW POSTS. Chairs of Hist. of Far East, Asian Anthropol., and Bantu Langs.; Readerships in Hist. of Nr. and Middle East, and in Oriental Laws; 16 new Lectrs., 2 Asst. Lectrs., 9 Assts.

COMMERCIAL COURSES. (Planned as required to meet needs of firms wishing to give training in langs. and cultures to representatives going overseas.) 11 courses, to which 15 different firms sent representatives, arranged in Arabic, Hindustani, Telugu, Persian, Mende, Swahili and Yoruba.

COLONIAL SERVICE COURSES. Under revised scheme of training, Colonial Probationers divided equally between Oxon., Camb. and Lond.; the Sch. relinquished instructn. in Bemba, Hausa and Swahili to the other Univs. 78 Cadets allocated to Lond., and 8 wives, attended Sch. for 2 days a week for lang. instruction in Depts. of India, Pakistan and Ceylon; S.-E. Asia and the Islands; the Far East; Africa; and Phonetics and Linguistics. Courses for officers of Colonial Service home on leave were held; 8 officers chose langs. or

Oriental Laws as one of their optional subjects. 24 Admin. and specialist officers attended courses of instruction varying from a few wks. to 2 terms.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. R. R. Arat, Istanbul, Visiting Lectr. for first 2 terms of session ; G. H. Luce, formerly of Rangoon, special Visiting Lectr. in Dept. of S.-E. Asia and the Islands ; Prof. J. Duchesne-Guillemin, Liège, first 2 terms of session.

VISITS OF MEMBERS OF THE STAFF TO OTHER UNIVERSITIES. Dr. A. A. Bake, Mainz, classical Indian music ; Dr. C. von Fürer-Haimendorf, Vienna, anthropology ; Rev. L. P. Harries, Summer Inst., Contemporary Africa, in connexion with centennial yr. of North-Western Univ. ; R. H. Robins, Calif., for linguistic res. during 2nd and 3rd terms ; the Dir., Prof. J. R. Firth and Prof. A. Guillaume, Cairo, for 75th anniversary of Royal Geographical Society of Egypt, 25th anniversary of Fuad I Univ., and inauguration of Fuad I Desert Inst. 18 other members of staff granted study leave to visit other countries for res. work.

RETIREMENTS. Prof. S. G. Vesey-FitzGerald (Oriental Laws) ; Miss M. M. Green (W. African Langs. and Cultures) ; Dr. R. C. Abraham (Amharic) ; Y. T. Tsao (Chinese).

RESIGNATIONS. Dr. S. Bhattacharya (Sansk. and Bengali), apptd. to Chair of Sansk. at the Visva-Bharati, Bengal ; O. A. B. Carswell (Sansk.) ; G. L. Merrells (Burmese), apptd. to Foreign Service ; Dr. A. el Tayib (Arabic).

DEATHS. G. L. Letele (formerly Overseas Lectr. in Sotho-Tswana, 1947-50) ; A. H. Harley (member of staff since 1939, Nizam's Reader in Urdu, 1945-49) ; Prof. M. D. Ratnasuriya (member of staff, 1932-43).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	236	172
Women	28	36
Total	264	208

Included in the above are 108 postgraduate students and 346 new admissions.

DEGREES AWARDED. B.A., 24 ; M.A., 5 ; Ph.D., 13 ; D.Lit., 1.

[Information compiled as at 7/5/52.]

SCHOOL OF PHARMACY

Founded 1842 ; incorporated by Royal Charter 1952

Postal Address : 17 Bloomsbury Square, London, W.C.1.

Telephone : Holborn 7456.

CHAIRMAN OF COUNCIL—Sir HARRY JEPHCOTT, M.Sc., F.R.I.C.

DEAN—Professor H. BERRY, B.Sc., Dip. Bact., F.R.I.C.

SECRETARY—S. R. CURTIS, B.A.

APPOINTED AND RECOGNIZED TEACHERS

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.

Pharmaceutics

Berry, H., B.Sc., Dip. Bact.,
F.R.I.C. Prof.

Shotton, E., B.Sc., F.R.I.C.
Sr. Lectr.

Pharmacognosy

Fairbairn, J. W., B.Sc., Ph.D.

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*), 8 ; others, 22.

THE YEAR 1950-51

The School occupied further premises, made available by Birkbeck Coll. and Royal Veterinary Coll. and Hospital, as temporary alleviation of overcrowding during delay in completion of new bldg.

RETIREMENT. Dr. Katharine H. Coward (Reader in Biochem. since 1926).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	65
Women	2	25
Total	4	90

Included in the above are 15 postgraduate students and 33 new admissions.

DEGREES AWARDED. B.Pharm. (Hons.), 13 ; B.Pharm. (Old Regs.), 2 ; Ph.D., 6.

[Information compiled as at 19/5/52.]

UNIVERSITY COLLEGE

Founded 1826 ; incorporated in the University of London, 1907

Postal Address : Gower St., London, W.C.1.

Telegrams and Cables : University College London.

Telephone : Euston 4400.

CHAIRMAN OF THE COLLEGE COMMITTEE—The Rt. Hon. LORD NORMAND,
LL.D.

VICE-CHAIRMAN—Sir ROBERT WALEY COHEN, K.B.E., M.A.

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.

..... (Embryol.) Prof.

Abercrombie, M., M.A., B.Sc.

Oxon. (Embryol.) Reader.

Richardson, K. C., M.Sc. W.Aust.

(Histol.) Reader.

Aitken, J. T., M.D. Glas.

Sr. Lectr.

Ludford, R. J., D.Sc., Ph.D.

(Cytol.) Hon. Lectr.

Shanks, S. C., M.D. Glas.,

F.R.C.P., F.F.R.

Hon. Radiologist.

Lecturers

Evans, D. H. Lodwick, 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

Hamlyn, L. H., M.B., B.S.

Morris, D. D. 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.

Allbrook, D. B., M.B., B.S.

Blockley, Cecillie M. B., B.A. Tor.

Boycott, B. B., B.Sc.

Butson, A. R. C., Albert Medal,
M.A., M.B., B.Ch. Camb.,
F.R.C.S.

Heaysman, Joan E. M., B.Sc.

Jungmann, H., M.D. Berl.

Santler, Joyce E. G., B.Sc.

Stratmann, C. J., M.Sc., Ph.D.
Melb.

Palmer, Elisabeth, Ph.D. Vienna
Bibliographer and Res.
Asst.

Venning, P. Radiographer.

Turlington, E. Rosalind Artist.

Blount, W. P., Ph.D., F.R.C.V.S.
Hon. Vet. Consultant in
Fac. of Med. Sciences.

Anthropology

Forde, C. D., Ph.D. Prof.
Kaberry, Phyllis M., M.A. Syd.,
Ph.D. Reader.
Barnicot, N. A., Ph.D. Lectr.
Douglas, M. Mary, M.A., B.Sc.
Oxon. Lectr.
Ladell, W. S. S., B.A., M.B., B.Ch.
Camb. Hon. Lectr.
Powell, H. A., B.A. Asst. Lectr.
Barnes, J. A., D.S.C., M.A. 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.
..... Sr. Lectr.
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.

Lecturers

Aberdeen, D. W., B.A. (Arch.),
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.
1 Assistant.

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.

21 Assts.

Astronomy

Allen, C. W., D.Sc. W.Aust.
Perren Prof. and Dir. of
Observatory.
Garstang, R. H., M.A. Camb.
Lectr.
Sweet, P. A., M.A., Ph.D. Camb.
Lectr.

2 Asst. Observers.

Bibliography, v. English and
Librarianship

Biochemistry

Baldwin, E. H. F., Ph.D. Camb.
Prof.
Kerly, L. Margaret, M.A. Camb.,
Ph.D. Reader.
..... Reader.

Lecturers

Crook, E. M., M.Sc. Melb., Ph.D.
Camb.
Datta, S. P., B.Sc., M.B., B.S.
Greenbaum, A. L., Ph.D.
Harris, H., M.A., M.D. Camb.
Law, Kathleen, M.Sc. Melb., Ph.D.
Ottaway, J. H., B.Sc. Asst. Lectr.
Parr, C. W., M.Sc. Asst. Lectr.
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, Elizabeth, B.A. Camb.,
D.Sc. Hon. Lectr.
Cragg, Mavis M., B.Sc.
Temp. Res. Asst.
Ainsworth, Iris B., M.Sc.
Hon. Res. Asst.
1 Asst.

Biophysics

- Katz, B., M.D. Leipzig, Ph.D.,
D.Sc., F.R.S. Prof.
Abbott, B. C., B.Sc. Lectr.
Harris, E. J., Ph.D., D.I.C.
Lectr.
Fatt, P., Ph.D. Asst. Lectr.
Caldwell, P. C., B.A. Oxon.
Hon. Res. Asst.
Downing, A. C. Hon. Res. Asst.
Parkinson, J. L.
Hon. Res. Asst. and
Faculty Supt.

Botany

- Pearsall, W. H., D.Sc. Manc.,
F.R.S. Quain Prof.
Lecturers
Bell, P. R., M.A. Camb.
Fogg, G. E., Ph.D. Camb., B.Sc.
Fowden, L., Ph.D.
Gorham, E., M.Sc. Dal.
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.
Chamberlain, P. J., B.Sc.
Asst. Lectr.
Gorham, Ada V., B.Sc. Dal.
Res. Asst.
Collyer, Dorothy M., B.Sc.
Hon. Res. Asst.
Dadd, C. C., B.Sc.
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.
Gilbert, L. F., B.Sc., F.R.I.C.
Sr. Lectr.

Lecturers

- Bunton, C. A., Ph.D.
Craig, D. P., M.Sc. Syd., Ph.D.
Day, J. N. E., M.Sc., Ph.D.
de la Mare, P. B. D., M.Sc. N.Z.,
Ph.D.
Gillespie, R. J., Ph.D.
Maccoll, A., M.Sc. Syd., Ph.D.
Millen, D. J., Ph.D.
Vernon, C. A., B.Sc.
Wassermann, A., Ph.D. Munich,
D.Sc.
Owston, P. G., Ph.D.
Hon. Res. Assoc.
Eastham, A. M., M.A. Br. Col.,
Ph.D. McG. Hon. Res. Asst.
Illuminati, G., D.Sc. Rome
Hon. Res. Asst.

*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., B.A. Belf. and Camb.
(Latin and Gk.).

Coffey, M., B.A. Manc. and Camb.
(Latin and Gk.) Asst.
Lectr.

Willis, J. A., B.A.
(Latin and Gk.) Asst.
Lectr.

I 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. Engin-
earing

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.

Norman, W. S., M.Sc. Liv., Ph.D.
Lectr.

Thorpe, 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 Photo-
grammetry) Prof.

Jessop, H. T., T.D., M.Sc., F.I.P.
(Photoelasticity) Reader.

Capper, P. L., T.D., M.Sc. (Eng.)
Sr. Lectr.

Vaughan, R. C., B.Sc. Brist.
Sr. Lectr.

Delafield, Prof. M. E., M.C., B.A.,
M.B., B.Chir., D.P.H. Camb.
(Hygiene) Sp. Lectr.

Lecturers

Biddle, C. A., M.A. Camb.,
F.R.I.C.S.

Davis, E. H., B.Sc. (Eng.).

Elvery, R. H., 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.

Andren, C. P., M.Sc. (Eng.)
Res. Asst.

Coackley, P., B.Sc. Manc.
Hon. Res. Asst.

I Demr.

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.

..... Sr. Lectr.

Brookes, B. C., M.A. Oxon.
Lectr.

Cullen, A. L., B.Sc. (Eng.), Ph.D.
Lectr.

Marriott, H., B.Eng. Sheff., B.Sc.
(Econ.) Lectr.

Parr, G. Lectr.

MacGregor-Morris, Prof. J. T.,
D.Sc. (Eng.)

Hon. Research Assoc.

Kenshole, G. E., B.Sc. (Eng.), B.A.
Asst. Lectr.

I 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.).
 Walker, T. H., M.Eng. Sheff.

English

Smith, A. H., O.B.E., M.A., 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.

Lecturers

Brown, A., M.A.
 Haddakin, Lilian F., M.A., Ph.D.
 Hulme, Hilda M., M.A., Ph.D.
 Kane, G. J., M.A. Tor., Ph.D.
 Nowottny, Winifred M. T., M.A.
 Quirk, C. R., M.A., Ph.D.
 Spencer, T. J. B., B.A.
 Ivy, G. S., M.A. Camb and Prin.
 Asst. Lectr.
 Sisson, Rosemary A., M.Litt.
 Camb., B.A. Asst. Lectr.
 Bessinger, J. B., M.A. Harv.
 Hon. Res. Asst.
 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.
 (Eugenics) Galton Prof.
 Grüneberg, H., Ph.D. Berlin,
 M.D. Bonn, D.Sc.
 (Genetics) Reader.

Lecturers

Holt, Sarah B., B.Sc. Brist.,
 Ph.D. (Eugenics).

Kalmus, H., M.D., D.Sc. Prague
 (Eugenics).

Smith, C. A. B., M.A., Ph.D. Camb.
 (Eugenics).

Lamy, Rowena, Ph.D. Edin.
 (Genetics).

Bell, Julia, M.A. Dub., F.R.C.P.
 (Eugenics) Hon. Res.
 Assoc.

Harris, H., M.A., M.D. Camb.
 (Eugenics) Hon. Lectr.

Spurway, Helen, Ph.D.
 (Genetics) Hon. Lectr.

McArthur, Norma R., Ph.D.
 (Eugenics) Asst. Lectr.

Karn, M. Noel, M.A. Camb.
 (Eugenics) Res. Asst.

Lawler, Sylvia D., M.D.
 (Eugenics) Hon. Res. Asst.

Mittwoch, Ursula, Ph.D.
 (Eugenics) Hon. Res. Asst.

Searle, A. G., B.Sc.
 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.

Lecturers

Hall, G., Ph.D.
 Lequet, A. E. A., L. ès L., D.E.S.

Paris, B.A.
 Smith, C., M.A. Manc., Ph.D.

Starke, Dora, M.A.
 Walker, D. P., Ph.D. Oxon.

King, C. D., B.A. Asst. Lectr.
 Lowe, Ann M., B.A. Res. Asst.

4 Assts.

Geography

Darby, H. C., O.B.E., M.A., Ph.D.
 Camb. Prof.

Smailes, A. E., M.A. Reader.
 Fleure, Prof. H. J., M.A. Manc.,
 D.Sc. Wales, Sc.D. Bowdoin,

Maine, F.R.S. Hon. Lectr.

Brown, E. H., M.Sc. Wales Lectr.
Mead, W. R., M.Sc. (Econ.), Ph.D.
Lectr.

Coppock, J. T., B.A. Camb.
Asst. Lectr.

Law, B. R., B.Sc. (Econ.)
Asst. Lectr.

Packard, W. P., M.A. N.Z.
Asst. Lectr.

Sinnhuber, K. A., D.Phil. Inns-
bruck Asst. Lectr.

Fox, Rachel, B.A. Res. Asst.

Prince, H. C., B.A. Res. Asst.

Walter, P. J., M.A. Edin.
Res. Asst.

Geology

Hollingworth, S. E., M.A. Camb.,
D.Sc. Yates-Goldsmid Prof.

Barnard, T., B.Sc., Ph.D., D.I.C.
Lectr.

Capewell, J. G., B.Sc. Leeds Lectr.

Wells, M. K., M.Sc., Ph.D. Lectr.

Bradshaw, R., B.Sc. Asst. Lectr.

Temple, J. T., M.A., Ph.D. Camb.
Asst. Lectr.

Hudson, R. G. S., D.Sc.
Hon. Lectr.

Mueller, G., M.A. Budapest, B.Sc.
Oxon., Ph.D. Res. Asst.

German

Forster, L. W., M.A. Camb.,
Dr.Phil. Basle Prof.

Wilkinson, Elizabeth M., Ph.D.
Reader.

Schwarz, W., M.A., Ph.D. Lectr.
Rowley, B. A., M.A. Camb.
Asst. Lectr.

Salmon, P. B., M.A. Asst. Lectr.

Wells, G. A., M.A. Asst. Lectr.

Hebrew

Stein, S., Ph.D. Heidel.
Goldsmid Sr. Lectr.

Wiesenberg, E., Ph.D. Lectr.
1 Asst.

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.) Common-
wealth 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.

Lecturers

Christie, I. R., M.A. Oxon. (Engl.
H.).

Davis, R. H. C., 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.).

Barrow, G. W. S., M.A. St. And.,
B.Litt. Oxon. (Engl. H.)
Asst. Lectr.

Beevers, R. H., M.A.
(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.

Bassani, A.M., Sc.D. Naples Lectr.
Duncan, D. S., B.A. Asst. Lectr.

Laws

Keeton, G. W., M.A., LL.D. Camb.
(Engl. L.)

Prof., Hd. Dept. of Laws.

Williams, G. Ll., M.A., LL.D.
Camb. (Jurispr.) Quain Prof.

FitzGerald, R. C., LL.B., F.R.S.A.
(English L.) Reader.

Lloyd, D., M.A. Camb., LL.B.
(English L.) Reader.

Powell, R., M.A., B.C.L. Oxon.
(Law) Reader.

Schwarzenberger, G., Dr. Jur. Tü-
bingen, Ph.D. (Internat. L.)

Reader.

O'Sullivan, R., Q.C. (English L.)
Hon. Lectr.

Lecturers

Green, L. C., LL.B. (Internat. L.).
Holland, D. C., M.A. Camb.

(English L.).

Ivamy, E. R. H., LL.B. (English
L.).

Marshall, O. R., M.A. Camb.,
Ph.D. (English L.).

Scamell, E. H., LL.M. (English L.).
Strange, Susan, B.Sc. (Econ.)

(Internat. Relations).

Cheng, B., Ph.D. (Internat. L.)
Asst. Lectr.

Latham, Miss Valentine, LL.M.
Asst. Lectr.

Payne, D. J., LL.B. Asst. Lectr.
Prevezer, S., B.A. Camb. (English

L.) Asst. Lectr.

Frankel, J., LL.M. Lwow and W.
Aust., Ph.D. (Internat. L.)

Temp. Asst. Lectr.

Librarianship

Irwin, R., M.A. Oxon., F.L.A.
Director.

Wilks, J. A., M.A., F.L.A.
Asst. Dir.

Lecturers

Piggott, Mary, B.A., F.L.A.

Staveley, R., B.A., F.L.A.

Arnold, D. V., B.Sc., F.L.A.

Evans, D. L., O.B.E., B.A. Wales,
B.Litt. Oxon. (Admin. Hist.).

Francis, F. C., M.A. Liv., F.S.A.
(Bibliography).

Hector, L. C., M.A. Oxon.
(Palæography).

Pafford, J. H. P., M.A., F.L.A.
(Univ. Libraries).

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.
Goldsmith Prof.

Readers

Wren, T. L., M.A. Camb. (Geom.).
Bosanquet, L. S., M.A., D.Sc.,

D.Phil. Oxon.

Estermann, T., D.Nat.Sc. Ham-
burg, D.Sc.

Kestelman, H., M.Sc.

Stevenson, A. C., M.Sc.

Lecturers

Archbold, J. W., M.A. Camb.

Capildeo, R., M.Sc., Ph.D.

Harris, F. C., M.Sc., Ph.D.

Rigby, Constance M., M.A. Oxon.,
Ph.D.

Rogers, C. A., Ph.D.

Wigglesworth, L. A., M.Sc.

Assistant Lecturers

Holland, R. E., B.Sc. Wales.

Power, E. A., M.Sc.

Richardson, T. H., M.Sc., D.I.C.

Roth, K. F., B.A. Camb., M.Sc.,
Ph.D.

Fonda, A., Ph.D.

Temp. Asst. Lectr.

1 Demr.

*Mechanical Engineering, v. En-
gineering*

*Municipal Engineering, v. En-
gineering, 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. Frei-
burg, 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.

Trevar, 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.

Philosophy

Ayer, A. J., M.A. Oxon.
(P. of Mind and Logic)

Grote Prof.

Keeling, S. V., M.A. Camb., D. ès
L. Montp., D.Lit. Reader.

Wollheim, R. A., M.A. Oxon.
Lectr.

Thomson, J. F., D.F.C., B.A.
Asst. Lectr.

2 Assts.

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, B.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. Asst. Lectr.

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.

Reader and Depy. 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

Dodd, C., Ph.D.

Fox, J. W., Ph.D.

Heyland, G. R., Ph.D.

Jennings, R. E., Ph.D.

Assistant Lecturers

Castillejo, L., B.A. Camb., B.Sc.
(Eng.).

Griffith, T. C., Ph.D. Wales.

Henderson, C., Ph.D.

Heymann, F. F., B.Sc. (Eng.)
Cape T.

Seaton, M. J., Ph.D.

Heddle, D. W. O., B.Sc. R'dg.
Exp. Res. Asst.

Hon. Research Associates

Boyd, R. L. F., B.Sc. (Eng.), Ph.D.

Hasted, J. B., M.A., D.Phil. Oxon.

Stephenson, G., Ph.D., D.I.C.

Tickner, A. W., M.Sc. Sask., Ph.D.
Tor.

Bernal, M. J. M., Ph.D.

Hon. Res. Asst.

Swan, P., M.Sc. Melb.
Hon. Res. Asst.
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.
Harkness, R. D., B.Sc., M.B., B.S.
Lectr.
Daly, M. de B., M.A., M.B., B.Ch.
Camb. Lectr.
Lippold, O. C. J., M.B., B.S.
Lectr.
Hutter, O. F., B.Sc. Asst. Lectr.
Lewis, H. E., B.Sc., M.B., Ch.B.
Cape T. Asst. Lectr.
Pascoe, J. E., B.Sc. Asst. Lectr.
Wright, P. G., B.Sc. Asst. Lectr.
del Castillo-Nicolau, J., M.D.
Madrid Temp. Asst. Lectr.

Hon. Research Associates

Bayliss, L. E., B.A., Ph.D. Camb.,
F.R.S.E.
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.
Wilkie, D. R., M.D. Yale, M.B.,
B.S.

Hon. Research Assistants

Goffart, M., M.D. Brussels.
Harkness, Margaret L. R., B.Sc.
Machne, Xenia, M.D. Padua.
McLennan, H., M.Sc., Ph.D. McG.
Ness, A. R., B.Sc.
Ritchie, Brenda R., B.Sc.
Shea, S. M., M.Sc., M.B., B.Ch.
N.U.I.

1 Sharpey Scholar.

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.

Lecturers

Corlett, W. J., M.A. Camb.
Donnithorne, Audrey G., B.A.
Oxon.
Hague, D. C., B.Com. Birm.
Lanner, J., B.Sc. (Econ.).
Nicholson, Patricia A., B.A. Oxon.
Maurice, Rita J., B.Sc. (Econ.)
Asst. Lectr.
Dunning, J. H., B.Sc. (Econ.)
Res. Asst.

Psychology

Russell, R. W., M.A. Clark,
Ph.D. Va. Prof.
Whitfield, J. W., M.A. Camb.
Reader.
Flugel, J. C., B.A. Oxon., D.Sc.
Sp. Lectr.
..... Sr. Lectr.

Lecturers

Banks, E. K. Charlotte, Ph.D.
de Monchaux, Cecily, B.A. Syd.,
Ph.D. Lond.
Eysenck, H. J., Ph.D.
Hamilton, M., M.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.

1 Demr.

Scandinavian Studies

Smith, Prof. A. H., O.B.E., M.A.,
Ph.D. Leeds, D.Lit. Director.
Koefoed, H. A., cand. mag. Copenhagen (Danish)
Queen Alexandra Lectr.

- (Norwegian)
W. P. Ker Lectr.
- Olsson, Y. B., Fil. lic., Gothenburg
(Swedish)
Crown Princess Louise
Lectr.
- Foote, P. G., M.A.
(Old Norse) Asst. Lectr.
- Science, History and Philosophy
of*
Dingle, H., D.Sc., D.I.C. Prof.
McKie, D., D.Sc., Ph.D. Reader.
Underwood, E. Ashworth, M.A.,
B.Sc., M.D., D.P.H. Glas.,
F.L.S. Hon. Lectr.
Armitage, A., M.Sc., Ph.D. Lectr.
Crombie, A. C., Ph.D. Camb.
Lectr.
- Heathcote, N. H. de V., Ph.D.
Lectr.
- Semitic (North) Epigraphy, 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. Lectr.
Johnson, N. L., M.Sc., Ph.D.,
F.I.A. Lectr.
Please, N. W., B.Sc. Lectr.
Moore, P. G., B.Sc. Asst. Lectr.
Merrington, Maxine P. M., B.Sc.
Demr. and Res. Asst.
Barton, D. E., B.Sc.
Temp. Demr. and Res.
Asst.
- Surveying, v. supra, Engin., Civil*
- Town Planning*
Holford, W. G., M.A. Liv.,
F.R.I.B.A. Prof.
- Ling, A. G., B.A. (Arch.) Sr. Lectr.
Clarke, J. J., M.A. Liv., F.S.S.
Sp. Lectr.
- Youngman, G. P., M.A. Camb.
(Landscape Design) Lectr.
- Baker, L. F., M.A. (Arch.)
Drawing Office Instr.
- Glass, 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
Newth, D. R., Ph.D.
Ross, D. M., M.A. Dal., Ph.D.
Camb.
- Whitear, Mary, Ph.D.
Kermack, K. A., Ph.D. (Biol.
Stats.).
- Temporary Lecturer
Whitby, Pauline, B.A. Oxon.
Assistant Lecturer
Stevenson, J. P., 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.
Townend, Joyce.

GENERAL INFORMATION

Founded in 1826 and opened Oct. 1, 1828, under the name of "The University of London," the College was incorporated as "University College, London," by Royal Charter in 1836. On Jan. 1, 1907, it was incorporated in the University of London.

LIBRARY. The College Library contains over 550,000 books and pamphlets, one-third of which are inaccessible owing to shortage of accommodation following the destruction of the Library buildings during the war. The General Library and part of the main building have now been restored, but some sections of the Library are in temporary premises elsewhere in College.

The Library contains books in all subjects taught in College, and is particularly strong in archæology (Yates Library), Egyptology (Edwards Library), London history, American and Latin-American history, Scandinavian studies, and the biological and medical sciences. A list of the most important special collections is given in the College *Calendar*; some, notably the Whitley Stokes library in Celtic, the Barlow Dante library, the Carnegie libraries of American literature and of international law, and part of the Graves library on the history of mathematics, are among the books not accessible at present.

The libraries of the Folk-Lore Society, the Geologists' Association, the Hertfordshire Natural History Society and Field Club, the Malacological Society, and the London Mathematical Society are deposited in the College Library, whilst those of the Viking Society for Northern Research and of the British Society of Franciscan Studies are now the property of the College. The library of the Philological Society and the Mocatta Library of Anglo-Jewish History were largely destroyed during the war; the latter is being reconstituted by the Jewish Historical Society of England, but is not yet available to readers.

MUSEUMS. Anat., Archit., Bot., Egypt., Geol. and Mineral., Volcanological (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. Applcn. 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. B. J. Lloyd-Evans; *Laws*, Prof. G. W. Keeton; *Medical Sciences*, Prof. G. L. Brown; *Science*, Prof. S. E. Hollingworth.

The Fac. of Arts includes the Slade School of Fine Art, the School of Librarianship and Archives, the Bartlett School of Archit. (including the Div. of Decoration) and the Dept. of Town Planning.

TUTORS. *Arts*, R. D. McLellan (Sr. Tutor); *Engineering*, H. Marriott; *Laws*, O. R. Marshall; *Medical Sciences*, K. C. Richardson; *Science*, R. E. Gibbs; *Women Students*, Diana L. 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, Surveying.

POSTGRADUATE AND RESEARCH WORK. All depts. as set out in the *Teaching Staff* list, v. *supra*, are available for postgrad. and res. work, and the respective Profs. are always prepared to advise students wishing to undertake res.

FOREIGN STUDENTS are admitted to the Coll. on the same terms as British, but their applications should be made through the appropriate authorities in this country or through the British Council. The Ramsay Memorial Fellowships in Chemical Science founded by certain Foreign Governments are tenable at Univ. Coll., London, among other places.

FEES. Entrance Registration—1 g.; overseas students—2 gs. Tuition composition fee, Degree courses—Undergrad.: Arts, from 36 to 44 gs. per yr. (3 or 4 yrs.): Archit., 290 gs. (5 yrs.); Laws, day, 108 gs. (3 yrs.), evening, 75 gs. (3 yrs.); Sci., from 36 to 55 gs. per yr. (3 or 4 yrs.); Engin., Intermediate 36 gs. (1 yr.), post-Intermediate 165 gs. (3 yrs.); Med., for first examn. 48 gs. (1 yr.), second examn. 95 gs. (5 terms); Economics, 108 gs. (3 yrs.).

Postgrad. For period prescribed by Univ. regulations: Ph.D. or LL.M., 40 gs.; M.A. or for M.Sc. in subjs. common to Arts and Sci., 25 gs.; M.Sc. in other subjects, 30 gs.

Academic or Postgrad. Diplomas: Anthropol., Archæol., Archive Admin., Librarianship, Psychol., Chem. Eng. and Surveying, 36 gs. (1st yr.), 24 gs. (2nd yr., if necessary); Laws, 21 gs. (1 yr.); Phonetics, 30 gs. (1 yr.); Town Planning, 18 gs. (1 yr.); Univ. Dipl. Fine Art, 153 gs. (3 yrs.).

Coll. Dipls. and Certs.: Archit. Dipl., 290 gs. (5 yrs.), Certs., 200 gs. (3 yrs.); Decoration Cert., 200 gs. (3 yrs.); Preservation and Restoration of Historical Buildings Cert., 18 gs. (1 yr.); Town Planning Cert., day, 28 gs. (1 yr.), evening, 18 gs. (1 yr.); Surveying Cert., 55 gs. (1 yr.).

SCHOLARSHIPS, ETC. Annual value, about £8600 (including £2600, Entrance Scholarships).

RESIDENCE. Bentham Hall, Cartwright Gardens, for 148 men. Fees, £115 to £120 per session. College Rooms in Gower Street for 43 women. Fees, £110 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 (5s.), 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; annual mass radiography survey.

PUBLICATIONS. *Calendar* (Oct.), 8s. 6d.; *Annual Report*; *University College, London*, by Prof. H. Hale Bellot, 25s.; the various Faculty and Departmental Prospectuses.

THE YEAR 1950-51

BENEFACTIONS. Mr. and Mrs. L. Hounsfield, about £1250 to found annual awards in Traffic Engin.; Miss Kathleen Lea, £100 for Chambers Research Fund; Nuffield Foundation, (a) £4950 over 3 yrs. towards investigation in Dept. of Physiol. of proliferation and morphogenesis in the adult, (b) £3250 over 5 yrs. towards investigation in Dept. of Embryol. of embryonic brain, (c) £2000 p.a. for 2 yrs. for res. in Town Planning Dept. on Social Aspect of Planning Surveys and Analysis; Rockefeller Foundation, (a) up to \$28,500 for 5 yrs. from Jan. 1951, to the Galton Lab., (b) \$2500 for equipment and res. in mammalian genetics, (c) £1600 for 2 yrs.' res. in Dept. of Town Planning on Social Aspect of Planning Surveys and Analysis; Shell Petroleum Co. Ltd.,

£100 for geol. field work ; Swedish Govt., books on Swedish Hist. and Econ. (value kr. 3000) for reconstruction of Swedish section of Library.

NEW BUILDINGS. Reconstruction of central Main Bldg., badly damaged by enemy action, continued ; upper floor of southern portion occupied as private and seminar rooms by some members of Fac. of Arts ; Library commenced moving into 1st floor ; northern portion nearing completion ; upper floor to be used by French Dept., ground floor as Common Rooms ; work proceeding with bldg. adjoining north side of central Main Bldg. (expected to be completed in 1953), which will house Science Library and Men's Staff Common Room ; excavation and site work for new Physics bldg. begun ; excavations for foundations of South Junction commenced (expected to be completed in 1953), to be occupied by Mocatta Library, Gustave Tuck Theatre, Library and offices ; construction of additional storey on Anat. Bldg. commenced, to be completed in 1952.

NEW COURSES. Course for Certif. in Restoration and Preservation of Historical Buildings.

EXTRA-MURAL WORK. The Coll. does not undertake extra-mural work, but accomm. is provided for meetings of Univ. Tutorial Classes and Extension Courses. Approx. 17,000 persons attended public lectures, including 3140 at lunch-hour lectures.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Dr. D. J. Bell, Camb., 4 lectures, "Biological Syntheses concerning Carbohydrate Radicles" ; Prof. R. Bond, N. Carolina, to dept. of English ; Dr. M. Cattell, Cornell U. Med. Coll., "Observations on the Mechanism of Action of the Digitalis Glycosides on Cardiac Muscle" ; Prof. N. H. Cromwell, Nebraska, to dept. of Chemistry ; Prof. A. P. d'Entrèves, Oxon., 3 Barlow Lectures on "Dante as a Political Thinker" ; Prof. W. Friedmann, Melb., "Public Law Problems in Recent English Decisions" ; Mrs. Constance M. Green, Chief Historian, Ordnance Corps, U.S. Army, 8 Commonwealth Fund Lectures, "American Cities as Landmarks of National Growth" ; Prof. D. Grene, Chic., to dept. of Greek ; Prof. A. L. Goodhart, Oxon., "The Third Man—*Novus Actor Interveniens*" ; Prof. Margaret Hastings, Rutgers, to dept. of Hist. ; Prof. H. A. Krebs, Sheff., 4 lectures on "Energy Transformations in Living Matter" ; Prof. A. Mancini, Pisa, "Le epistole di Dante" ; Prof. K. B. Murdock, Harvard, 4 Lord Northcliffe Lectures on "Three Traditions in Nineteenth and Twentieth Century American Literature: The European Heritage—The Colonial Experience—The Native Environment" ; W. B. Reddaway, Camb., 4 Newmarch Lectures on "Economic Problems in a Statistical Setting" ; Dr. L. Reis, formerly Bard Coll., N.Y., 2 lectures on "Mediaeval Philosophy—the Non-Aristotelian Phase" ; Prof. H. H. Rowley, Manc., 3 lectures on "The Study of the Old Testament To-day" ; Prof. B. Schwarz, N.Y., "The United States Supreme Court and Administrative Law" ; Prof. A. D. Trendall, Syd., to dept. of Greek.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. A. J. Ayer (Philos.), Brussels, Liège, Lille, Paris ; Prof. J. B. S. Haldane (Biomet.), Liège ; Prof. W. G. Holford (Town Planning), Harv. ; Prof. C. K. Ingold (Chem.), Corn. ; Prof. G. W. Keeton (Laws), Rand. ; Dr. D. J. Millen (Chem.), Harv. ; Prof. T. B. L. Webster (Greek), Oslo ; Prof. F. R. Winton (Pharmacol.), Jamaica and various American Univs.

RETIREMENTS. Prof. C. J. Sisson (Engl. Lit.) ; Prof. D. M. S. Watson (Zool. and Comp. Anat.) ; Prof. H. E. Watson (Chem. Engin.).

RESIGNATIONS. D. R. Bates (Phys.), apptd. to Chair of App. Maths., Belf. U.; S. T. Bindoff (Hist.), apptd. to Chair of Hist., Queen Mary Coll., Lond.; Prof. J. Černý (Egyptol.), apptd. to Chair of Egyptol., Oxon.; Prof. A. H. M. Jones (Anc. Hist.), apptd. to Chair of Anc. Hist., Cambridge; Prof. J. F. Lockwood (Latin), apptd. Master of Birkbeck Coll., Lond.; A. Wilson (Pharmacol.), apptd. to Chair of Pharmacol., Liv.

DEATH. Prof. S. Sugden (Prof. of Chem.).

IMPORTANT EVENTS. Foundation Oration (March 15, 1951) by Lord Moran; Assembly of Coll. Facs. (June 28, 1951); Special Visitor—Prof. Sir Charles Webster.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	429	2084
Women	355	625
Total	784	2709

Included in the above are 731 postgraduate students and 797 full-time undergraduates entering the College for the first time.

DEGREES. B.A., 151; B.A. (Arch.), 15; M.A., 20; Ph.D. (Arts), 16; D.Lit., 1; LL.B., 69; LL.M., 2; B.Sc., 141; M.Sc., 19; Ph.D. (Sci.), 33; D.Sc., 1; B.Sc. (Eng.), 38; M.Sc. (Eng.), 3; Ph.D. (Eng.), 5; B.Sc. (Chem. Eng.), 10; B.Sc. (Econ.), 34; M.Sc. (Econ.), 4; Ph.D. (Econ.), 1.

[Information compiled as at 16/5/52.]

WESTFIELD COLLEGE *

Founded 1882; incorporated by Royal Charter 1933

Postal Address: Kidderpore Avenue, Hampstead, London, N.W.3.

Telephone: Hampstead 7601.

CHAIRMAN OF COUNCIL—The Hon. SYLVIA FLETCHER MOULTON,
O.B.E., M.A.

PRINCIPAL—KATHLEEN CHESNEY, M.A., D.Phil. Oxon.

SECRETARY TO COUNCIL—ROSALIE M. FORSTER, B.A.

TEACHING STAFF

Classics

Winnington-Ingram, R. P., M.A.

Camb. Prof.

Barratt, Christine, M.A. Oxon.

Lectr.

Glanville, Irene M., M.A. Oxon.

Lectr.

Jenkinson, Edna M., M.A. Camb.

Asst. Lectr.

English Lang. and Lit.

Davis, B. E. C., M.A. Oxon. Reader.

White, Beatrice M. I., M.A., D.Lit.,

F.R.S.L. Reader.

Dorsch, T. S., B.A. Adel., M.A.

Oxon. Lectr.

Mackenzie, Eileen K. A., Ph.D.

Lectr.

Hill, Betty, M.A. Birm.

Asst. Lectr.

French Lang. and Lit.

Elcock, W. D., M.A. Oxon. and

Manc., L. ès L., D. de l'U.

Toulouse Prof.

Dickinson, Gladys, B.A., L. ès L.

Reader.

Chesney, Kathleen, M.A., D.Phil.

Oxon. Lectr.

Rutherford, Mrs. Marie-Rose, M.A.

Lectr.

Coppock, Mrs. Denise Asst. Lectr.

Van de Sande, Jacqueline, L. ès L.

Lectrice.

German

Beare, Mary, M.A. Belf., Ph.D.

Bonn Reader.

Ganz, P. F., M.A. Lectr.

History

Martin, Eveline C., M.A., Ph.D.

(Imp. H.) Reader.

Hill, Rosalind M. T., M.A., B.Litt.

Oxon., F.S.A. Lectr.

Rubinstein, N., Ph.D. Florence

Lectr.

Carsten, F. L., D.Phil. Oxon.

Lectr.

Gee, Olive R., M.A., B.Litt. Oxon.

Asst. Lectr.

Italian

Cremona, J. A., B.A. Asst. Lectr.

Mathematics, Pure and Applied

Stanley, Gertrude K., B.Sc. Oxon.,

M.Sc. Reader.

* For women.

Pedoe, D., M.A., Ph.D. Camb.

Maynard Divinity Lecturers

Reader.

Prof. Margaret Deanesly ; Prof.
D. Winton Thomas.

Hardiman, Nellie J., M.Sc. Lectr.

Relton, F. E., D.Sc., M.A. Lectr.

Fishel, B., B.Sc. Asst. Lectr.

Philosophy Lecturer

Spanish

Macdonald, Margaret, M.A. Camb.,

Perry, Janet H., M.A. Lectr.

Ph.D.

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 £130 per session.

Facilities for Adult Educn. Lectures have been made available in the Coll. Lecturing Block (Kidderpore Hall) and are used on several evenings each week. Summer courses are held each yr. during the months of July and August.

There is an Old Students' Assn. A directory of Old Students, giving addresses and appts. held, is published periodically.

The Coll. Libraries have spacious reading rooms and contain approx. 37,000 vols. and pamphlets and a microfilm reader.

Members of the Coll. belong to the Univ. of London Company of the W.R.A.C. (T.A.).

A *Student Health Service* has been establd. under the care of the Health Officer (S.R.N.) with a sick room and dispensary. The students take part in the Mass Radiography examns. held periodically.

Near-by Athletic Ground with 3 tennis courts, hockey, net-ball and cricket pitches. There are also 3 hard and 2 grass tennis courts in the Coll. grounds. Squash courts are available at New College and lacrosse is played in Regent's Park.

PUBLICATIONS. *Prospectus* (May); *Report* (Oct.), both issued free of charge; *Hermes* (Students' Mag.), 1s. 6d.; *Old Students' Directory*, 3s. 6d.

THE YEAR 1950-51

NEW POST. Lectureship in Mathematics.

RETIREMENT. Mrs. J. L. Stocks (Principal, 1939-51).

RESIGNATION. C. Luttrell (Engl.), apptd. to U.C., Leicester.

DEATH. Prof. W. T. Gordon, for many yrs. Hon. Treasurer and member of Coll. Council.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1	5
Women	10	239
Total	11	244

Included in the above are 16 postgraduate students and 102 first-year admissions.

DEGREES. B.A. Hons., 42 ; M.A., 1 ; B.Sc. (Spec.), 12 ; Ph.D. (Sci.), 1.

[Information compiled as at 25/5/52.]

WYE COLLEGE

(THE COLLEGE OF ST. GREGORY AND ST. MARTIN AT WYE)

Founded 1894

Postal Address : Wye, Ashford, Kent.

Telegrams and Cables : College, Wye.

Stations : Ashford, 5 m., Wye, $\frac{1}{2}$ m.

Telephone : Wye 1.

VISITOR—His Grace the ARCHBISHOP OF CANTERBURY.

CHAIRMAN OF GOVERNING BODY—The Rt. Hon. LORD NORTHBOURNE.

PRINCIPAL—D. SKILBECK, M.A. Oxon. (R.).

VICE-PRINCIPAL AND LIBRARIAN—E. SITA SMYTH, B.A. Brist.

SECRETARY AND REGISTRAR—C. W. A. GARLAND, B.Sc., Dip. Ed. Camb.

DOMESTIC BURSAR—ELEANOR M. KNIGHT.

TEACHING STAFF

Agriculture

Cooper, M. McG., B.Agr. (Sc.)

N.Z., B.Litt., Dip. Rur. Econ.

Oxon. Prof. (A.).

The Principal (R.).

Davis, A. G., B.S.A. Tor., M.Sc.

Wales Lectr.

Gibb, J. A. C., M.A. Camb., M.Sc.

Durh. Asst. Lectr.

Wylie, D., B.Sc. (Agric.) R'dg.

Asst. Lectr.

Maddison, A. E., B.A. Oxon., Dip.

Ag. Sc. Camb. Asst. Lectr.

Patterson, J. D. Pt.-time Lectr.

Dunkin, A. C., B.Sc. (Agric.)

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.

O'Nians, Eleanor A., B.Sc., Dip.

Hort., A.R.C.S.

Allen, Margaret D., B.Sc. Demr.

Rees, June R., B.Sc. Demr.

Economics

Butler, J. B., M.Sc., M.Com. Birm.

Actg. Hd. of Dept.

Brewin, J. M., M.A. Agric. Camb.

Agric. Econ.

Campleman, G., B.Sc.(Econ.)

Asst. Agric. Econ.

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.

(R.)=Recognized Teacher of the Univ. of London.

(A.)=Appointed Teacher.

de Morpurgo, P. G. L., B.Sc. R'dg. Asst. Agric. Econ.	Page, Mary, Dip. Hort. Lectr. (R.).
Halls, H. G. Inves. Officer.	Jackson, A. A., B.Sc. Manc. Lectr.
Wyllie, J., O.B.E., B.Sc. Agric. Glas. Sr. Res. Fellow (R.).	Lloyd, C., B.Sc. (Hort.) Asst. Lectr.
<i>Hops</i>	Dobson, R. M., M.A. Camb. Res. Asst.
Burgess, A. H., D.Sc. (Agric.), Dip. Agric. Hd. of Dept.	Thomas, Winifred, B.Sc. (Hort.) Demr.
Dark, S. O. S., B.Sc., Ph.D. Sr. Scientific Officer.	Palmer, Mary C., B.Sc. Demr.
Thompson, F. C., B.Sc., M.Sc. (Agric. Chem.) Durh. Sr. Scientific Officer.	<i>Physical Sciences</i>
Beard, F. H., Dip. Hort. Senr. Exp. Officer.	Wain, R. L., M.Sc., Ph.D. Sheff., D.Sc., F.R.I.C. (Agric. Chem.) Prof. (A.).
Cripps, E. G., B.Sc. (Agric.) Dip. Agric. Exp. Officer.	Smith, Margaret S., B.Sc., Ph.D. Lectr. (R.).
Tatchell, A. R., M.Sc. Scien. Officer.	Worrall, G. A., B.A., M.Sc. Lectr.
Watson, G., M.Sc. Exp. Officer.	Seeley, R. C., B.Sc. (Agric.) Asst. Lectr.
Salmon, E. C. Emeritus Prof. of Mycol.	Ingram, Jeanne, B.Sc. (Agric.) Edin. Asst. Lectr.
<i>Horticulture</i>	Wightman, F., B.Sc. Leeds May and Baker Res. Fellow.
Miles, H. W., M.Sc. Brist., Ph.D., D.Sc. Manc. Prof. (A.).	Fawcett, C. H., B.Sc. Res. Asst.
Wilkinson, E. H., B.Sc. Birm., Ph.D. Brist. Sr. Lectr.	Toothill, Joyce, B.Sc. Demr.

(A.)=Appointed Teacher.

(R.)=Recognized Teacher of the Univ. of London.

GENERAL INFORMATION

The College was founded in 1447 as a monastic foundation. It was created an agricultural College in 1894 under the Principalship of the late Sir A. D. Hall, F.R.S. It has been a School of the University of London since 1900 and is now the approved Department of Agriculture and Horticulture in the Univ. Received Royal Charter in 1947.

Closely associated with the College is the South-Eastern sub-provincial headquarters of the N.A.A.S., the central offices and laboratories of which are located on the College Estate.

INCOME (1950-51). Approx. £125,000 (Univ., 44 per cent.; fees, 29 per cent.; Govt. Depts., 23 per cent.; other sources, 4 per cent.).

LIBRARY. 12,000 vols. **LABORATORIES.** Chem., Physics, Bot., Zool., Pathol., Geol., Hortic., Hop Research.

The College has residential accomm. for 90 men in the main Coll. buildings and a separate Hall of Residence for 75 women. Courses are provided for the internal B.Sc. degree in Agric. and Hortic. of the Univ. of London and postgraduate students are also accepted for higher degrees. At the present time there are no Diploma or short courses. The College Estate extends to

over 600 acres and comprises a mixed farm, orchards, glass-houses, market gardens and decorative gardens, all of which are used for teaching, demonstration and research purposes. The College Hop Research Department is the National Centre for Hop Research work and has its own laboratories and commercial and nursery hop gardens.

The internal B.Sc. degrees of the Univ. of London in Agric. and Hortic. equip men and women who intend to farm at home or abroad or require preparation for managerial, teaching or investigational posts in the industries of Agriculture and Horticulture or who intend to seek appointment in the National Agricultural Advisory Service or in the Colonial Services. The College Appointments Bureau gives assistance in placing qualified students in suitable employment.

FEES, inclusive of board, lodging and tuition, are, at the present time, £170 (1952-53, £185) per annum.

PUBLICATIONS. *Prospectus*; *Annual Report*; "Occasional" Publications especially on Econ. and Hops; *Student Magazine* (2s. 6d. per term).

THE YEAR 1950-51

BENEFACTIONS. J. W. Kennard, Clerk to Governors, new floor for Coll. Chapel; other benefactions from Dr. Kate Barrett, E. J. Mount, Mrs. Armstrong and from bequest of Rev. R. H. W. Ackworth.

NEW BUILDINGS. In Hortic. Dept. fruit store and packing shed; minor extensions to Pig Res. Dept.; temporary bldg. converted to small res. lab.; 15th-century stone-work of main coll. bldgs. restored.

OTHER DEVELOPMENTS. Assembly Hall in new women's Hall of Residence completed, formally opened at Coll. Annual Commemoration, June 26, by H.R.H. Princess Alice, accompanied by Chancellor of the Univ.

ADULT EDUCATION WORK. 2 weeks' Devonshire Course for Colonial Probationary Admin. Officers; 2 weeks' Univ. Extra-Mural Summer School.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES AND COLLEGES. Prof. Pearsall, University Coll., Lond., "Natural Soils and Vegetation"; Dr. Hammond, Camb., "Adaptation of Farm Animals"; Prof. Robbins, London School of Economics, "Recent Developments in Economic Thought"; Prof. Waddington, Edin., "Science and Ethics"; Prof. Zuckermann, Birm., "Monkeys and Agriculture"; Special Lectures by Sir Edward Salisbury, Dir., Kew Gardens, "The Fruit Tree and its Environment"; Dr. Slater, "Agricultural Research as a Career"; Sir Edward Hardy, "Responsibilities of Citizenship."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES AND COLLEGES. Principal D. Skilbeck, Imperial Coll. of Tropical Agric., Trinidad; Prof. R. L. Wain, Rockefeller Fellow, several Canadian and American Univs., Boyce Thompson Inst. for Plant Res., N.Y., 12th International Congress of Pure and Appl. Chem., N.Y.; numerous other visits by Hds. of Depts. to Lond. Colls. and R'dg., Birm., Edin.

RESIGNATIONS. Norah L. Penston, appt. Principal of Bedford Coll.; C. F. Mills, apptd. to Rowett Res. Inst.; B. Ann Rake, apptd. Asst. Pomologist, Long Ashton Res. Station; Jean G. Rimington, awarded Hillsborough Garden Club Scholp.; J. E. Harrison, apptd. Agric. Economist, Manc. U.; A. M. Littlejohn, apptd. to industry; J. Cowper, apptd. Farm Manager; Pamela Sutton; G. F. Kershaw.

DEATH. V. R. S. Vickers, retired 1945.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	11	126
Women	4	71
Total	15	197

Included in above are 22 postgrad. students and 70 first-yr. admissions.

DIPLOMAS. 2 Postgrad. Dipls.

DEGREES. B.Sc. (Agriculture), 22 ; B.Sc. (Horticulture), 24 ; M.Sc., 3.

[Information compiled as at 23/5/52.]

THEOLOGICAL SCHOOLS OF THE UNIVERSITY

APPOINTED AND RECOGNIZED TEACHERS

In the following list the names of the Theological Schools are indicated by symbols thus :

NEW COLLEGE, LONDON	(N.).	RICHMOND COLLEGE	(R.).
KING'S COLLEGE, THEOLOGICAL DEPT.		LONDON COLLEGE OF DIVINITY	(L.).
	(KT.).		

Theology

Coggan, Rev. F. D., M.A. Camb., D.D. Tor.	(L.).	Nuttall, Rev. G. F., M.A., D.D. Oxon.	(N.).
.....	(N.).	Roberts, Rev. H., M.A. Wales, Ph.D. Camb.	(R.).
		.....	(R.).
*James, Rev. Prof. E. O., D.Litt. Oxon., D.D., Ph.D.		*Sellers, Rev. Prof. R. V., D.D. Camb., M.A.	(KT.).
*McHardy, Prof. W. D., D.Phil. Oxon., M.A., B.D. Aberd., M.A. Edin.		Simon, Rev. U. E., M.Th.	(KT.).
(Samuel Davidson Prof.).		*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—Rev. Prof. S. Cave, M.A., D.D. Secretary, Rev. J. B. Binns, M.A.

New College, London, the origin of which goes back to 1673, is a Theological Coll. (a Divinity School of the Univ. of London), primarily for the training of men and women for the Congregational Ministry. Students—34. 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, 270; internal students of the Univ., 105; pt.-time students, 61. 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. Students—64. *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., D.D. 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. Students—38.

† Not in receipt of U.G.C. grants.

UNDERGRADUATE MEDICAL AND DENTAL SCHOOLS

[Information compiled as at 17/5/52.]

CHARING CROSS HOSPITAL MEDICAL SCHOOL

Founded 1834

Postal Address : 62-65 Chandos Place, London, W.C.2.

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.

Medicine

Hickling, R. A., B.A., M.D., B.Chir.
Camb., F.R.C.P. Lectr.
Smith, K. Shirley, M.D., B.S.,
B.Sc., F.R.C.P. Lectr.

Warner, E. C., M.D., B.S., B.Sc.,
F.R.C.P. Lectr.
Dunlop, H. A., M.D., B.S., M.Sc.,
F.R.C.P. Lectr.
Plummer, N. S., M.D., B.S.,
F.R.C.P. Lectr.
Elliott, F. A., M.B., Ch.B. Cape
T., F.R.C.P. Lectr.

Obstetrics and Gynæcology

Gray, A. O., M.D. Durh., F.R.C.S.
Eng. and Ed., F.R.C.O.G.

Williams, H. G. E., M.D.,
B.Chir. Camb., F.R.C.S.Ed.,
F.R.C.O.G. Lectr.
Arthure, H. G. E., M.D., B.S.,
F.R.C.S. Lectr.

Ophthalmology

Milner, J. G., M.A., M.B., B.Chir.
Camb., F.R.C.S. Lectr.

Orthopædic Surgery

Trevor, D. T., M.B., M.S., F.R.C.S.
Lectr.

Oto-Rhino-Laryngology

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

Pædiatrics

Bell, A. Doyne C., D.M., B.Ch.
Oxon. Lectr.

Pathology

Vines, H. W. C., M.A., M.D.,
B.Chir. Camb. Prof.
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.

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, LIBRARY, ETC. A notable feature of the School is the museum, in which is housed, in addition to an exhaustive collection illustrating general pathol. conditions, the famous Lockyer collection of obstetric and gynæcol. specimens. There is a large library.

FEES. There is an entrance fee of £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. Every student completing his course satisfactorily can be assured of election to one of the numerous house posts, in addition to which there are 20 Registrarships, a number of Demonstratorships and other posts available.

THE YEAR 1950-51

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.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	5	195
Women	..	35
Total	5	230

Included in the above are 13 postgraduate students and 45 new admissions.

DEGREES. M.B., B.S., 20, Distinctions, 4 ; B.Sc. (Spec.), 2 ; M.D., 2 ; M.S., 2.

DIPLOMAS. L.R.C.P., M.R.C.S., 5 ; F.R.C.S., 2 ; Pub. Health, 1 ; Psychol. Med., 1.

[Information compiled as at 5/6/52.]

GUY'S HOSPITAL MEDICAL SCHOOL

Founded 1724

Postal Address : St. Thomas's Street, London Bridge, London, S.E.1.

Telephone : Hop 3500.

DEAN—E. R. BOLAND, C.B.E., M.D., F.R.C.P.

SUB-DEAN (Medical School)—C. G. BAKER, O.B.E., M.D.

SUB-DEAN (Dental School)—F. S. WARNER, F.D.S.

SECRETARY—W. F. COOK.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Marston, A. D., 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.B., Ch.B. Reader.

Bacteriology

Knox, R., M.D. Prof.

Biochemistry

Haslewood, G. A. D., D.Sc., Ph.D.
Prof.
Shore, Agnes, Ph.D., B.Sc.
Sr. Lectr.

Biology

Foxon, G. E. H., M.A. Camb.,
M.Sc. Wales Reader.
Baxter, E. W., B.Sc. Sr. Lectr.

Cardiology

Campbell, J. M. H., O.B.E., D.M.
Oxon.
Baker, C. G., O.B.E., M.D.

Chemical Pathology

Thompson, R. H. S., D.M. Oxon.
Prof.

Chemistry

Gent, W. L. G., Ph.D., B.Sc.
Reader.
Brain, F. H., M.A., Ph.D., B.Sc.
Sr. Lectr.

Children's Diseases

Evans, P. R., M.D. Manc.
MacKeith, R. C., M.A., D.M.

Dental Histology

Pritchard, G. B., F.D.S.

Dental Medicine

Rushton, M. A., M.A., M.D. Camb.,
F.D.S. Prof.

Dental Prosthetics

Fenn, H. R. B., F.D.S., D.D.S.
Prof.

Dental Surgery

Bulleid, A., F.D.S.
Hooper, K., F.D.S.
Warner, F. S., F.D.S.
Herbert, W. E., F.D.S. Prof.
Kenshole, H. H., D.S.O., F.D.S.
Mansie, J. W., F.D.S.
Thompson, A. R. F., F.D.S.
Holland, R. 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

Stead, G., D.Sc., M.A. Camb.

Prof.

Allsopp, C. B., M.A., Ph.D., D.Sc.

Reader.

Physiology

Spurrell, W. R., M.S., F.R.C.S.

Prof.

Bishop, P. M. F., D.M. Oxon.

Hunt, J. N., M.B., B.S.

Sr. Lectr.

Radiology

Hills, T. H., M.B., B.S., D.M.R.E.

Surgery

Slesinger, E. G., O.B.E., M.S.

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.

Doherty, W. D., M.Chir. Camb. (Genito-Urinary).

Kilpatrick, F. R., M.S. (Genito-Urinary).

Brock, R. C., M.S. (Thoracic).

Venereal Diseases

Lloyd, V. E., M.C., M.B., B.S.

GENERAL INFORMATION

MEDICAL SCHOOL. The School of Medicine and Surgery may be considered to date its formal commencement from about the year 1769.

COURSES. Teaching covers all subjects of the medical curriculum, including a course for the First Examn. for Medical Degrees. Approved courses in the Fac. of Science in Anat., Physiol. and Chem. are also provided.

LIBRARY. The Wills Library is available for the use of students and contains approx. 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. Accommodation 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. (next award, March 1953); 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 1950-51

MEDICAL SCHOOL

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	143	570
Women	1	55
Total	144	625

Included in the above are 144 postgraduate students and 101 new admissions.

DEGREES, ETC., OBTAINED. M.B., B.S., Lond. 72 ; M.B., B.Chir. Camb., 11 ; B.M., B.Ch. Oxon., 6 ; M.S., 1 ; M.D. Lond., 20 ; M.D. Camb., 3 ; Ph.D. Lond., 1 ; D.Sc. Lond., 1 ; Diplomas, 139.

DENTAL SCHOOL

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3	385
Women	12	18
Total	15	403

Included in the above are 76 new admissions.

DEGREES, ETC. B.D.S., 16 ; Diplomas, 65.

[Information compiled as at 10/5/52.]

KING'S COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1830

Postal Address : Denmark Hill, London, S.E.5.

Telephone : Brixton 1731, 5739.

DEAN—VERNON F. HALL, F.F.A.R.C.S.

VICE-DEAN—A. J. HERIOT, M.S., F.R.C.S.

SUB-DEAN OF THE DENTAL SCHOOL—RALPH COCKER, M.B., Ch.B. 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.

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.
King, J. J. D., Ph.D., 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.

Dermatology

Lecturers

Thomson, S., M.A., M.D. Camb.,
F.R.C.P.
Williams, D. I., M.B., B.S.

Diseases of Children

Lecturers

Sheldon, W. P. H., M.D., F.R.C.P.
Wilmsers, Mary J., M.D.

Medicine

Lecturers

Critchley, M., M.D. Brist., F.R.C.P.
East, C. F. T., M.A., D.M. Oxon.,
F.R.C.P.
Lawrence, R. D., M.D. Aberd.,
F.R.C.P.
Livingstone, J. L., M.D., F.R.C.P.
Gilpin, A., M.D., F.R.C.P.
Hoyle, J. C., M.D., F.R.C.P.
Pearson, R. S. B., D.M. Oxon.,
F.R.C.P.
Nevin, S., M.D. Belf., B.Sc.,
F.R.C.P.
Oakley, W. G., M.A., M.D. Camb.,
F.R.C.P.
Oram, S., M.D., F.R.C.P.

Mental Diseases

Hill, D., M.B., B.S., F.R.C.P.,
D.P.M. Lectr.

Obstetrics and Gynæcology

Gilliatt, Sir W., K.C.V.O., M.D.,
M.S., F.R.C.P., F.R.C.S.,
F.R.C.O.G. Emeritus Lectr.
Peel, J. H., M.A., B.M. Oxon.,
F.R.C.S., F.R.C.O.G. Lectr.
Clayton, S. G., M.D., M.S.,
F.R.C.S. Lectr.

Ophthalmology

Lecturers

Savin, L. H., M.D., M.S., F.R.C.S.
Lyle, T. K., C.B.E., M.A., M.D.,
M.Chir. Camb., F.R.C.S.

Oto-Rhino-Laryngology

Lecturers

Daggett, W. I., M.B., B.Chir.
Camb., F.R.C.S.
Cawthorne, T., F.R.C.S.
Lewis, R. S., M.A., M.B., B.Chir.
Camb., F.R.C.S.

Pathology and Bacteriology

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.

Physical Medicine

Cooksey, F. S., O.B.E., M.D. Lond.

Radiology

Shawcross, E. W. H., M.A. Camb.,
D.M.R.E. Lectr.

Surgery

Lecturers

Wakeley, Sir C. P. G., K.B.E.,
C.B., D.Sc., M.Ch. Cairo,
P.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.

Venereal Diseases

Lydon, F. L., M.B., B.Ch. Lectr.

GENERAL INFORMATION

King's College Hospital Medical School was founded in 1830 and was admitted as a school of the Univ. in the Fac. of Med. in 1909. The Medical School provides the clinical training for students reading for the degrees of London, Oxford and Cambridge Univs. Under the conditions of the incorporation of King's Coll. in the Univ., the Univ. continues to teach in the King's Coll. bldgs. the preliminary and intermediate medical studies leading to the M.B., B.S. and B.D.S. degrees of the Univ. of London.

The new buildings of the Medical School were opened in 1933, and the new Dental School in 1940. The buildings include a library (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. 25 Resident Hospl. appointments are made every six months.

FEES. The inclusive tuition fee for Medicine is £55 p.a. There is a registration fee of £5 : 5s., payable upon acceptance, and an entrance fee of £10 : 10s., payable on the commencement of clinical studies. 50 medical and up to 25 dental students (including women) are admitted annually. The inclusive fee for Dentistry is £65 p.a.

STUDENT HEALTH SERVICE. (Instituted 1938.) Consists of Annual Medical examination and X-ray.

PUBLICATIONS. Official : Medical and Dental School *Prospectuses*, *Annual Report*. Student : *King's Coll. Hospital Gazette* (3 times p.a.).

'THE YEAR 1950-51

BENEFACTION. Sir Charlton Briscoe, £1000 for establishment of annual res. prize.

NEW BUILDING. Re-equipment of Refectory for provision of cafeteria service.

RETIREMENT. Col. C. H. Barber (Trop. Med.).

RESIGNATIONS. S. T. Shovelton (Member of Council) ; J. D. Abbott (Bacteriol.).

DEATH. J. B. Hunter (Lectr. in Surg., Dean of Med. Sch., 1938-46, Dean of Fac. of Med., 1943-50, Deputy Vice-Chancellor of the Univ., 1951).

OTHER DEVELOPMENT. Annual Medical examn. extended to include pre-clinical as well as clinical students.

STUDENTS (All full-time).

	<i>Medicine</i>	<i>Dentistry</i>	<i>Total</i>
Men	179	73	252
Women	42	16	58
Total	221	89	310

Included in the above are 10 postgraduate students (Medical) and 71 new admissions (52 Medical, 19 Dental).

DEGREES AWARDED. B.D.S., 1 ; M.B., B.S., 31 ; B.M., B.Ch., 2 ; M.B., Ch.B., 5 ; M.D., 2 ; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. L.D.S., R.C.S., 10 ; F.D.S., R.C.S., 2 ; L.R.C.P., M.R.C.S., 33 ; F.R.C.S., 3 ; F.R.C.O.G., 1 ; M.R.C.P., 4 ; D.L.O., 1.

[Information compiled as at 23/5/52.]

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.

Telephone : Bishopsgate 2456, 9936-7.

CHAIRMAN—Col. W. M. PRYOR, D.S.O.

DEAN—A. E. CLARK-KENNEDY, M.D., F.R.C.P.

MEDICAL SUB-DEAN—J. R. ELLIS, M.B.E., M.B.

DENTAL SUB-DEAN—A. M. HORSNELL, F.D.S.

SECRETARY—H. P. LAIRD, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Challis, J. H. T., F.F.A.R.C.S.

Brown, A. I. P.

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.

Anatomy

Harrison, R. J., D.Sc. Glas., M.A.,
M.B., B.Chir. Camb. Reader.

Keizer, W. R., F.D.S.R.C.S.

Miles, A. E. W., F.D.S.R.C.S.

Prof.

Bacteriology

Barwell, C. F., M.B., B.Chir. Camb.
Prof.

Dermatology

O'Donovan, W. J., O.B.E., M.D.

Russell, B. F.

Biochemistry

Warren, F. L., M.A. Oxon., Ph.D.,
D.Sc., F.R.I.C. Prof.

Fawns, H. T., M.Sc., F.R.I.C.

Lectr.

Diseases of Children

Dobbs, R. H., M.D. Camb.,
F.R.C.P.

Tallerman, K. H., M.C., M.D.
Camb.

Chemical Pathology

..... Prof.
Morris, C. J. O. R., Ph.D., M.Sc.,
F.R.I.C. Reader.

Forensic Medicine

Camps, F. E., M.D.

Chemotherapy

Valentine, F. C. O. Reader.

Histology

Bourne, G., D.Sc. W.Aust., D.Phil.
Oxon.

Dental Surgery

Allen, A. G., F.D.S.R.C.S.

Allen, S. G., F.D.S.R.C.S.

Medicine

Bomford, R. R., D.M. Oxon.,
F.R.C.P.

Brain, Sir Russell, D.M. Oxon.,
P.R.C.P.

Brigden, W. W.

Clark - Kennedy, A. E., M.D.
Camb., F.R.C.P.

Evans, Sir Horace, K.C.V.O.,
M.D., F.R.C.P.

Henson, R. A.

Hunter, D., M.D., F.R.C.P.

Perry, K. M. A., M.D., M.Chir.
Camb.

Rusby, N. L., D.M. Oxon.

Wilson, C., M.A., D.M. Oxon.

Prof.

Mental Diseases

Wilson, H. L., M.D. Camb.,
F.R.C.P.

Morbid Anatomy

Russell, Dorothy S., M.A., Sc.D.,
D.M. Oxon. Prof.

Woods, W. W. Lectr.

Neuro-Surgery

Northfield, D. W. C., M.S.,
F.R.C.S.

Obstetrics and Gynæcology

Brews, R. A., M.D., M.S., F.R.C.S.,
F.R.C.O.G.

Lack, V. J. F., M.D., F.R.C.P.,
F.R.C.S.Ed., F.R.C.O.G.

Percival, R. C., F.R.C.S.

Ophthalmology

Lister, A., M.B., B.Chir. Camb.,
F.R.C.S.

Orthopædics

Clarke, H. Osmond, C.B.E., M.B.,
F.R.C.S.

Law, W. A., O.B.E., M.D. Camb.,
F.R.C.S.

Vaughan Jackson, O. J., B.M.,
B.Ch. Oxon., F.R.C.S.

Watson-Jones, Sir R. W., B.Sc.,
M.Ch. Liv., F.R.C.S.

Oto-Rhino-Laryngology

Bowen-Davies, A., M.B., B.Chir.
Camb., F.R.C.S.

Keogh, C. A., M.B., B.Chir. Camb.,
F.R.C.S.

Lindahl, J. W. S., M.Ch., F.R.C.S.

Pathology

May, H. B., M.A., M.D. Camb.

Pharmacology

Weatherall, M., M.A., B.Sc., B.M.,
B.Ch. Lectr.

Physical Medicine

Tegner, W. S., M.A., B.M., B.Ch.
Oxon.

Physiology

D'Silva, J. L., Ph.D., D.Sc., M.B.,
B.S. Prof.

Plastic Surgery

Heanley, C. L., M.B., B.Chir.
Camb., F.R.C.S.

Radiology

Boden, G. W., B.Sc., F.F.R.,
D.M.R.E.

Jupe, M. H., F.R.C.S., F.F.R.,
D.M.R.E.

Surgery

Butler, E. C., M.B., B.S., F.R.C.S.

Dix, V. W., M.A., F.R.C.S. Prof.

Donald, C., O.B.E., Ch.M. Aberd.,
F.R.C.S.

Moore, A. M. A., F.R.C.S.

Perry, A. C., M.S., F.R.C.S.

Taylor, H., M.D. Camb., M.Ch.,
F.R.C.S.

Thoracic Surgery

Thompson, V. C., M.B., B.S.,
F.R.C.S.

Venereal Diseases

King, A. J., M.B., B.S., F.R.C.S.

GENERAL INFORMATION

For Appointed and Recognized Teachers, v. *supra*. The Hospl. and Annexe at Brentwood provide 893 beds.

LIBRARY AND MUSEUM. The Library includes Thomson Yates Research Library, containing chief foreign periodicals for Anat., Physiol. and Pathol. New additions to recently renovated Museum include a section on Forensic Medicine.

LABORATORIES. These include those of Bernhard Baron Institute of Pathol. for Advanced Research. Facilities for Research also in Anat., Bacteriol., Physiol. and Pharmacol. Depts. and in Clin. Labs.

FEES. Medical: Entrance, £10 : 10s. ; Annual, £48. Dental: Entrance, £10 : 10s. ; Annual, £54.

SCHOLARSHIPS. There are 40 scholps. and prizes.

RESIDENCE. There is a Hostel for 98 students. Charges : £2 : 10s. to £3 per week.

PUBLICATION. (Students) *L.H. Gazette*.

THE YEAR 1950-51

STUDENTS.

MEDICAL		
	<i>Part-Time</i>	<i>Full-Time</i>
Men	81	459
Women	4	45
Total	85	504

Included in the above are 59 postgraduate students and 92 first-year admissions.

DENTAL		
	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	117
Women	..	3
Total	..	120

Included in the above are 26 first-year students.

DEGREES. *Dentistry*: B.D.S., 3 ; L.D.S., 10 ; *Medicine*: M.B., 40 ; M.B. Camb., 16 ; B.M. Oxon., 4 ; M.B. Wales, 1 ; *Science*: B.Sc., 3.

[Information compiled as at 21/5/52.]

MIDDLESEX HOSPITAL MEDICAL SCHOOL

Founded 1835

Postal Address : Mortimer St., London, W.1.

Telephone : Museum 8333.

CHAIRMAN—Col. Hon. J. J. ASTOR, D.Lit.

DEAN—Sir HAROLD BOLDERO, M.A., D.M. Oxon., F.R.C.P.

SECRETARY—EILEEN M. WALTON.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Idris, A. E. W., D.A., F.F.A.

Johnson, B. R. M., D.A.

Anatomy

Walls, E. W., B.Sc., M.B., Ch.B.,
M.D. Glas. Prof.

Bacteriology

Selbie, F. R., M.A., M.D. Aberd.,
D.Sc., Ph.D. Prof.

Biochemistry

Dodds, E. C., M.V.O., D.Sc.,
Ph.D., M.D., B.S., F.R.C.P.,
F.R.I.C., F.R.S. Prof.

Dickens, F., M.A. Camb., D.Sc.,
Ph.D., D.I.C., F.R.I.C.,
F.R.S. Prof.

Lawson, W., M.Sc. Liv., F.R.I.C.
Reader.

Kellie, A. E., Ph.D.

Jepson, J. B., M.A., B.Sc., D.Phil.

Biology

Woodger, J. H., D.Sc. Prof.

Chemistry

O'Sullivan, D. G., B.Sc., Ph.D.,
D.I.C.

Holt, S. J., B.Sc., Ph.D., F.R.I.C.

Dental Surgery

Packham, A. L., F.D.S.

Breese, H. W., F.D.S.

Dermatology

Bettley, F. R., M.D., F.R.C.P.

Diseases of Children

Hart, E. W., M.B.E., M.A., M.D.
Camb., D.C.H.

Diseases of Nervous System

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.

Beaumont, G. E., M.A., D.M.
Oxon., F.R.C.P., D.P.H.

Boldero, Sir Harold, M.A., D.M.
Oxon., F.R.C.P.

Bedford, D. E., M.D., B.S.,
F.R.C.P.

Marriott, H. L., C.B.E., M.D.,
F.R.C.P.

Willcox, A., M.A., M.D., B.Chir.
Camb., F.R.C.P.

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

Kekwick, A., M.A., M.B., B.Chir.
Camb., F.R.C.P. Prof.

Mental Diseases

Harris, N. G., M.D., B.S., F.R.C.P.,
D.P.M.

Hobson, J. A., B.Sc., M.D., D.P.M.

Morbid Anatomy

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

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.

Physiology

Wright, S., M.D., F.R.C.P. Prof.
Neil, E., B.Sc., M.D., Ch.B.
Reader.

Plastic Surgery

Mowlem, R., M.B., Ch.B. N.Z.,
F.R.C.S.

Radio Diagnosis

Hodgson, Sir Harold G., K.C.V.O.,
M.B., B.S. Durh., F.R.C.P.,
D.M.R.E. Camb.
Golding, F. Campbell, M.B., Ch.M.,
F.R.C.P., F.F.R., D.M.R.E.

Radio-Therapy

Windeyer, B. W., M.B., B.S. Syd.,
F.R.C.S., F.F.R., D.M.R.E.
Prof.

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.
Ascroft, P. B., M.B., M.S.,
F.R.C.S. Prof.

Thoracic Surgery

Holmes-Sellers, T., M.A., D.M.,
M.Ch., F.R.C.S.

Tropical Medicine

Chesterman, C. C., O.B.E., M.D.,
D.T.M. & H.

GENERAL INFORMATION

The Medical School is fully equipped for the theoretical and practical teaching of all the subjects of the Medical Curriculum, including Chem., Physics and Biol. for the 1st M.B. Examn.

The School contains the Bland-Sutton Institute of Pathol., with Museum and Labs.; the Barnato-Joel Research Labs. (Physics); the S. A. Courtauld Institute of Biochem.; the Ferens Institute of Otology; and the Meyerstein Institute of Radiotherapy. Professorial medical and surgical units have been installed since the war.

LIBRARY. The Library is open to all students of the School and contains the latest medical text-books and the leading medical journals.

RESIDENCE. There is limited accomm. for resident students. Surgical Dressers live in during their "Emergency Week," as do the Extern. Clerks during their course in Midwifery.

SCHOLARSHIPS AND PRIZES. Numerous Scholps. and Prizes are awarded annually to a total value of over £1000. These include 4 Entrance Scholps. to the value of £100 each ; one in Arts, one in Science and two open to students of the Univs. of Oxford and Cambridge who have completed the Curriculum for, or passed, the Examns. in Anat. and Physiol.

FEES. Entrance, £15 : 15s. ; Tuition, £50 p.a. ; Clubs, £7 : 7s. p.a.

THE YEAR 1950-51

DEATH. A. S. B. Bankart (Consulting Orthop. Surgeon).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	68	417
Women	1	50
Total	69	467

Included in the above are 69 postgraduate students and 81 new admissions.

DEGREES AND DIPLOMAS. M.B., B.S., 51 ; M.B., B.Chir., 19 ; B.M., B.Ch., 13 ; M.D., 10 ; Ph.D., 7 ; M.S., 1 ; M.R.C.P., 2 ; F.R.C.S., 3 ; D.M.R.D., 9 ; D.M.R.T., 1.

[Information compiled as at 23/5/52.]

ROYAL DENTAL HOSPITAL OF LONDON, SCHOOL OF DENTAL SURGERY

Founded 1858

Postal Address : 32 Leicester Square, London, W.C.2.

Telephone : Whitehall 6427-8.

CHAIRMAN OF THE COUNCIL—A. L. PACKHAM, F.D.S.R.C.S.

DEAN—H. L. HARDWICK, F.D.S.R.C.S.

SCHOOL SECRETARY—K. R. MCK. BIGGS, B.A.

APPOINTED AND RECOGNIZED TEACHERS

<i>Anæsthetics</i>	Walker, D. G., M.A., M.B., B.Ch., B.A.O., M.Dent.Sc. Dub., F.D.S.R.C.S.
Karn, R. G., M.C.	
Sibley, O. L. C., F.F.A.R.C.S.	Hardwick, H. L., F.D.S.R.C.S.
	Graham, M. P., F.D.S.R.C.S.
<i>Dental Anatomy and Dental Surgery</i>	MacGregor, A. B., M.A., M.D., B.Chir. Camb., F.D.S.R.C.S.
Hovell, J. H., F.D.S.R.C.S.	
<i>Dental Metallurgy</i>	<i>Dental Surgery and Pathology</i>
.....	 Prof.
<i>Dental Surgery</i>	<i>Orthodontics</i>
Packham, A. L., F.D.S.R.C.S.	Smyth, Corisande, F.D.S.R.C.S.
Henry, C. B., F.D.S.R.C.S.	Reader.
Ainsworth, N. J., M.C., F.D.S.R.C.S.	<i>Pathology</i>
Greenish, V. A. F., F.D.S.R.C.S.	Lucas, R. B., M.D., Ch.B., D.P.H. Edin. Reader.
Fickling, B. W., F.R.C.S., F.D.S.R.C.S.	<i>Radiology</i>
	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 1951-52, £36,800. Endowments, 1.1 per cent. ;

University Court, 61·7 per cent. ; Fees, 29·6 per cent. ; other sources, 7·6 per cent.

LIBRARY. Stobie Memorial Library (opened 1949). 1600 vols., full reading service.

FACILITIES OF SPECIAL INSTITUTIONS. Pre-clin. students attend courses in anat. and physiol. at 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 1950-51

NEW BUILDINGS. Initiation of scheme with St. George's Hosp. Med. Sch. for provision of pre-clinical depts. General planning for rebldg. of Sch. on new site in association with St. George's Hosp. Med. Sch. temporarily suspended. Further efforts for prosecution of internal replanning scheme in existing building. New lab. and casting room for advanced conservation work opened.

NEW POSTS. Readership in Orthodontics ; full-time Assistant Directorship of Dept. of Periodontol. approved by School Council.

OTHER DEVELOPMENTS. Plans completed and tender approved for re-constitution of Museum.

VISITS. Visitations of School by Senate of Univ. and Univ. Grants Committee.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	13	221
Women	5	30
Total	18	251

Included in the above are no postgraduate students, and 53 new admissions (18 pt.-time, 35 full-time).

DEGREES, ETC. B.D.S., 4 ; L.D.S., 33.

[Information compiled as at 23/5/52.]

ROYAL FREE HOSPITAL SCHOOL OF MEDICINE

Founded 1874

Postal Address : Hunter Street, Brunswick Square, London, W.C.1.

Telephone : Terminus 5385.

PRESIDENT—ELIZABETH BOLTON, C.B.E., M.D., B.S.

DEAN—KATHARINE G. LLOYD-WILLIAMS, M.D., F.F.A.R.C.S.

CHAIRMAN OF THE COUNCIL—MALCOLM J. HENDERSON.

HON. TREASURER—DONALD F. ANDERSON, M.A. Oxon.

WARDEN AND SECRETARY—JOAN I. BEALE, B.A.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

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, Margaret, B.Sc., Ph.D.
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, 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, Una C., M.D., B.S.,
F.R.C.P.

Lee Lander, F. P., O.B.E., M.D.,
B.S., F.R.C.P.

Macpherson, Alice M. C., M.D.,
B.S., F.R.C.P.

Mental Diseases

Nicol, W. D., M.B., B.S., F.R.C.P.,
D.P.M.

Obstetrics and Gynæcology

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.

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.

Leyshon, Winifred A., B.Sc.,
Ph.D., F.I.P. Sr. Lectr.

Physiology

..... Sr. Lectr.
Killick, Esther M., M.B., Ch.B.,
M.Sc. Leeds Prof.

Radiology

Staveley, Dulcie C., M.B., B.S.

Surgery

Barnes, Josephine, D.M. Oxon.,
F.R.C.S.

Barry, Geraldine M., M.B., M.S.,
F.R.C.S.

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.

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.

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. From Oct. 1953 students will not be 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 (revised regulations) 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. Scholps., bursaries and prizes (undergrad. and postgrad.) to a total value of £2000 are offered annually.

LIBRARY. Main library at Hunter St.; smaller libraries in various Depts. and in Hospls. of the Group.

THE YEAR 1950-51

BENEFACTIONS. Sir Alan Anderson, 4 Scholps. of £40 p.a. each, administered by the Fishmongers' Company, in memory of Dr. Elizabeth Garrett Anderson.

NEW BUILDINGS. New pre-clinical wing on Hunter St. site completed March 1951, providing increased facilities for teaching and res., and addnl. common rooms; work started on further block at Liverpool Road Annexe of Royal Free Hospl., to be Obstet. and Gynæcol. unit of the Group.

NEW POST. Asst. Lectr. in Anat.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. E. M. Killick (Physiol.), U.C., Ibadan.

RETIREMENT. Prof. M. F. Lucas Keene (Anat.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	29
Women	3	459
Total	5	488

Included in the above are 4 postgraduate students and 88 new admissions.

DEGREES AWARDED. M.D., 5; M.B., B.S., 49 (2 with Hons.); M.B., B.Chir., 1; B.Sc. (Physiol.), 5.

[Information compiled as at 13/5/52.]

ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE

Founded 1662

Postal Address : West Smithfield, London, E.C.1.

Telephone : Monarch 7777.

VICE-PRESIDENT—J. BASIL HUME, M.S., F.R.C.S.

DEAN—CHARLES F. HARRIS, M.D., F.R.C.P.

SUB-DEAN—E. G. TUCKWELL, M.Ch., F.R.C.S.

SECRETARY—C. E. MORRIS.

WARDEN—Dr. E. F. SCOWEN, M.D., F.R.C.P.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Evans, F. T., M.B., B.S.,
F.F.A.R.C.S.

Hewer, C. L., M.B., B.S.,
F.F.A.R.C.S.

Anatomy

Cave, A. J. E., M.D., D.Sc. Manc.,
F.L.S., F.R.A.I. Prof.

Butler, H., M.D. Camb. Reader.

Bacteriology

Garrod, L. P., M.D., B.Chir. Camb.,
F.R.C.P. Prof.

Biochemistry

Wormall, A., D.Sc. Leeds, F.R.I.C.
Prof.

Reeves, H. G., D.Sc., Ph.D.,
F.R.I.C. Sr. Lectr.

Francis, G. E. C., Ph.D. Lond.,
F.R.I.C.

Chemistry

Town, B. W., Ph.D., F.R.I.C.
Sr. Lectr.

Children's Diseases

Harris, C. F., M.D., F.R.C.P.

Franklin, A. W., M.B., B.Chir.
Camb.; F.R.C.P.

Dental Surgery

Hankey, G. T., O.B.E., T.D.,
F.D.S.

Dermatology

MacKenna, R. M. B., M.D. Camb.,
F.R.C.P.

Russell, B. F., M.D., D.P.H.

Medicine

Black, K. O., M.D. Camb.,
F.R.C.P.

Bourne, G., M.D., F.R.C.P.

Christie, R. V., M.D. Edin.,
F.R.C.P., D.Sc. Prof.

Cullinan, E. R., M.D., F.R.C.P.

Gibb, W. E., D.M. Oxon., F.R.C.P.

Hayward, G. W., M.D., B.S.,
F.R.C.P.

Oswald, N. C., M.D. Camb.,
F.R.C.P.

Scott, R. Bodley, D.M. Oxon.,
F.R.C.P.

Scowen, E. F., M.D., F.R.C.P.

Reader.

Spence, A. W., M.D. Camb.,
F.R.C.P.

Turner, J. W. A., D.M., B.Ch.
Oxon., F.R.C.P.

Obstetrics and Gynæcology

Beattie, W. J. H. M., M.D., B.Chir.
Camb., F.R.C.S., F.R.C.O.G.

Fraser, D. B., B.M., B.Ch. Oxon.,
F.R.C.S.

Howkins, J., M.S., M.D., F.R.C.S.,
F.R.C.O.G.

Shaw, W., M.D., B.Chir. Camb.,
F.R.C.S., F.R.C.O.G.

Ophthalmology

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.

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.

Psychiatry

Strauss, E. B., M.A., D.M. Oxon.,
F.R.C.P.

Radiology

Harper, R. A. K., M.B., F.R.C.P.
Ed., F.R.F.P.S.Glas., D.R.

Williams, I. G., M.B., F.R.C.S.,
F.F.R., D.M.R.E.

Surgery

Badenoch, A. W., M.A., M.D.,
Ch.M. Aberd., F.R.C.S.

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

Hosford, J. P., M.S., M.B., F.R.C.S.

Hume, J. B., M.S., M.B., F.R.C.S.

Hunt, A. H., D.M., M.Ch. Oxon.,
F.R.C.S.

Kinmonth, J. B., M.S., F.R.C.S.
Reader.

McIndoe, Sir A. H., C.B.E., M.S.,
F.R.C.S.

Nash, D. F. E., F.R.C.S.

O'Connell, J. E. A., M.S., F.R.C.S.

Ross, Sir J. P., K.C.V.O., M.S.,
F.R.C.S. Prof.

Tubbs, O. S., M.B., B.Chir. Camb.,
F.R.C.S.

Tuckwell, E. G., M.Ch. Oxon.,
F.R.C.S.

Venereal Diseases

Nicol, C. S., M.D.

Zoology and Comp. Anat.

Marshall, A. J., D.Phil. Oxon.
Reader.

GENERAL INFORMATION

St. Bartholomew's Hospl. was founded by the monk Rahere in 1123, who subsequently founded the priory of St. Bartholomew's. The Medical School was founded in 1662.

LIBRARY, MUSEUM, ETC. The library contains all the standard works of Medical, Surgical and the allied sciences, medical and other periodicals, with a valuable collection of works on Religion, History and General Literature. The Museum contains a complete series of pathol. specimens, the growth of considerably more than a century; there are, in addition, extensive series of casts and drawings, as well as large collections of specimens illustrating General and Comparative Anat., Physiol., Zool. and Morphol. There are several large labs. and numerous research labs.

FEES. The entrance fee to the Coll. is £5 : 5s. with an annual tuition fee of £54 : 12s.

SCHOLARSHIPS. There is a total annual 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 1950-51

BUILDINGS. Plans for rebuilding the pre-clinical school are well advanced, and it is hoped that within the forthcoming year the first of the new Coll. bldgs. will be commenced. The new bldg. will contain, among other amenities, accomm. for 100 residential students.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	58	628
Women	4	118
Total	62	746

Included in the above are 107 postgraduate students and 53 first-year admissions.

DEGREES. M.B., B.S., 86; M.B., B.Chir. Camb., 17; B.M., B.Ch. Oxon., 5.

[Information compiled as at 5/5/52.]

ST. GEORGE'S HOSPITAL MEDICAL SCHOOL

Founded 1752

Postal Address : Hyde Park Corner, London, S.W.1.

Telephone : Sloane 1716.

CHAIRMAN OF THE MEDICAL SCHOOL COUNCIL—Sir MALCOLM TRISTRAM
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.

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.

Levy, E., M.D., M.B., B.S.

Chemical Pathology

Martin, N. H., B.Sc. Durh., M.A.,
B.M., B.Ch. Oxon., F.R.I.C.
Prof.

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.

Industrial Medicine

Chiesman, W. E., M.A. Camb.,
M.D., F.R.C.P. Lectr.

Medicine

Dow, J. F., B.A., M.B., B.Chir.
Camb., F.R.C.P. Lectr.

Gainsborough, H., M.A., M.D.
Camb., F.R.C.P. Sr. Lectr.

Hunter, M. I. A., M.D. Camb.,
F.R.C.P. Lectr.

Levick, C. B., M.B., Ch.B. Syd.,
F.R.C.P. Lectr.

Robson, K., M.A., M.D. Camb.,
F.R.C.P. Lectr.

Nassim, J. R., M.A., B.M.,
F.R.C.P.

Mental Diseases (Psychiatry)

Curran, D., M.B., B.Chir. Camb.,
F.R.C.P., D.P.M. Sr. Lectr.

Mallinson, Sir Paul, M.A., B.M.,
B.Ch. Oxon. Lectr.

Miller, E., M.A. Camb., F.R.C.P.,
D.P.M. Lectr.

Neurology

Williams, D. J., D.Sc., M.D. Manc.,
F.R.C.P. Lectr.

Neuro-Surgery

McKissock, W., O.B.E., M.S.,
F.R.C.S. Sr. Lectr.

Logue, V. D., M.B., B.S., F.R.C.S.
Lectr.

Obstetrics and Gynæcology

Kirwan-Taylor, H. G., M.A., M.B.,
B.Chir. Camb., F.R.C.S.

Sr. Lectr.

Gwillim, C. M., M.D., F.R.C.P.,
F.R.C.S., F.R.C.O.G., D.P.H.

Lectr.

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

Lectr.

Ophthalmology

Duke-Elder, Sir Stewart, K.C.V.O.,
D.Sc., M.D. St. And., 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.

Lectr.

Pathology

Crawford, T., B.Sc., M.D. Glas.,
F.R.F.P.S.Glas.

Prof.

Chalmers, J. N. M., M.D. Glas.,
D.P.H.

Lectr.

Physical Medicine

Shields, D. C., B.M., B.Ch. Oxon.

Lectr.

Plastic Surgery

Blake, H. E., M.A., M.B., B.Chir.
Camb., F.R.C.S.

Lectr.

Radiology

Cordiner, G. R. M., M.B., Ch.B.
St. And., D.M.R.E. Camb.

Sr. Lectr.

Bull, J. W. D., B.A., M.D. Camb.,
D.M.R.

Lectr.

Radiotherapy

Richmond, J. J., M.B., B.S. Melb.,
D.M.R.E., F.R.C.S.

Lectr.

Surgery

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

McKissock, W., O.B.E., M.S.,
F.R.C.S.

Marnham, R., M.A., M.Chir.
Camb., F.R.C.S.

Nicholls, M. F., C.B.E., M.A.,
M.Chir. Camb., F.R.C.S.

Riddell, V. H., M.A., M.D. Camb.,
F.R.C.S.

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

Smith, E. R., M.S., F.R.C.S.

Anderson, H. F., M.B., B.Chir.
Camb., F.R.C.S.

Lectr.

GENERAL INFORMATION

St. George's Hospl. was opened for the reception of patients in 1734 and the physicians and surgeons were permitted to have a limited number of pupils from its inception. The School has existed in its present form since 1868. Since 1906 the teaching in the School has been devoted entirely to the clinical subjects and, by arrangement, students entering for the full course have done the pre-clinical work at King's Coll., London.

LIBRARY, MUSEUM, ETC. The School Library contains text-books and journals dealing with all branches of clinical study. The Pathol. Dept. contains labs. of Morbid Anat., Bacteriol., Hæmatol. and Chem. Pathol. The Museum contains a large number of pathological specimens.

FEES. The annual composition fee of £57 : 15s. covers all courses in the School and Hospl. and includes the subscription to the Students' Union.

SCHOLARSHIPS. Six Entrance Scholps. of the total value of £800 are offered for competition annually. The subjects of examn. are either Anat. and Physiol. or Pathol. Prizes of the total value of £260 are also offered for competition each year.

RESEARCH. Qualified students wishing to undertake research are encouraged to do so. Small annual grants from endowments are available for this purpose.

THE YEAR 1950-51

NEW BUILDINGS. New Hæmatol. and Chem. Pathol. Labs. finished ; new Clin. Classroom for med. students opened in Hospl. and new Club Dining Room and Common Rooms and new Admin. Offices opened ; work begun on enlarged Teaching Lab. and Res. Labs.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	22	138
Women	2	16
Total	24	154

All the part-time students were postgraduate and there were 43 men and 4 women admitted for the first time.

DEGREES. M.B., B.S. Lond., 14 ; M.B., B.Chir. Camb., 2 ; M.D. Lond., 4 ; M.D. Camb., 1.

[Information compiled as at 2/5/52.]

ST. MARY'S HOSPITAL MEDICAL SCHOOL

Founded 1854

Postal Address : Norfolk Place, Paddington, London, W.2.

Telephone : Paddington 3612.

PRESIDENT—THE EARL OF VERULAM, M.A., F.I.I.A.

DEAN—A. G. CROSS, M.A., M.D., F.R.C.S.

DEPUTY DEAN—Prof. W. D. NEWCOMB, M.A., M.D., B.Chir. Camb.,
F.R.C.P.

SECRETARY—J. E. STEVENSON, LL.B.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Morris, L. H., B.A., F.F.A.R.C.S.

Lloyd Owen, M. W., M.B., B.Ch.,
D.A.*Anatomy*

Goldby, F., M.A., M.D. Camb.

Prof.

.....

Reader.

*Bacteriology*Cruickshank, R., M.B., Ch.B.,
M.D. Aberd., D.P.H.,

F.R.C.P. Prof.

Hughes, W. H., M.D., M.B., B.S.
Reader.Himmelweit, H., M.D. Berlin,
Ph.D. (C.).*Biochemistry*Williams, R. T., D.Sc. Birm.,
Ph.D. Wales Prof.*Biology*

Foster, C. L., M.Sc., Ph.D.

Reader.

Fisk, A., M.Sc. Lond. Lectr.

Cameron, E., Ph.D., D.Sc.
Asst. Lectr.

(C.) = Pt.-time Clinical Teacher.

Chemistry

King, G., D.Sc., F.R.I.C.

Sr. Lectr.

*Dental Surgery*Fish, E. W., C.B.E., M.D., Ch.B.,
L.D.S. Manc., D.D.S., D.Sc.,
F.D.S.R.C.S. (C.).*Dermatology*Heggs, G. B. M., O.B.E., M.D.,
B.S., F.R.C.P. (C.).*Medicine*Hunt, T. C., B.A., D.M. Oxon.,
F.R.C.P. (C.).Pickering, G. W., M.A., M.B.
Camb., F.R.C.P. Prof.Brooks, W. D. W., M.A., D.M.,
B.Ch. Oxon., F.R.C.P. (C.).Litchfield, J. W., B.A., B.M.,
B.Ch., F.R.C.P. (C.).*Mental Diseases*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.).

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).

Orthopædics

- Ellis, V. H., M.A., B.Chir. Camb.,
F.R.C.S. (C).

Oto-Rhino-Laryngology

- Simpson, J. F., F.R.C.S. (C).
Robin, I. G., F.R.C.S. (C).

Pædiatrics

- Lightwood, R. C., M.D., F.R.C.P.,
D.P.H. (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., P.R.I.C.

Pharmacology

- Stewart, H. C., M.D., B.Chir.
Camb., Ph.D. Reader.

Physics

- Rowlands, S., Ph.D. Liv. Reader.

Physiology

- Huggett, A. St. G. J. McC., D.Sc.,
Ph.D., M.B., B.S. Prof.
Malcolm, J. L., M.B., Ch.B.,
B.Med.Sc. N.Z. Reader.
Cross, K. W., M.B., B.S.
Sr. Lectr.

Radiology (Diagnostic)

- Williams, E. R., M.D., D.M.R. & E.
Camb., F.R.C.P., F.F.R.

Radiotherapy

- Hulbert, M. H. E., M.B., B.S.,
D.M.R.E.

Surgery

- Handfield-Jones, R. M., M.C.,
M.B., M.S., F.R.C.S., F.R.E.S.
(C).
Wright, A. D., M.B., M.S.,
D.T.M. & H., F.R.C.S. (C).
Porritt, Sir A. E., K.C.M.G.,
C.B.E., M.A., B.M., M.Ch.
Oxon., F.R.C.S. (C).
Rob, C. G., M.C., M.A., M.B.,
M.Chir. Camb., F.R.C.S. Prof.
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.

GENERAL INFORMATION

Founded 1854. A School of the Univ. in the Fac. of Medicine and incorporated under the National Health Service Act, 1946.

LIBRARY. The Library contains more than 5000 text-books and bound journals. New books are added each year and medical and scientific journals are received regularly. A lending scheme is in operation.

COURSE OF STUDY. Entry is restricted to students reading for Univ. Degrees. The Medical School provides complete courses of study for the

Medical Examns. of the Univ. Each course is approved by the Univ. as satisfying their requirements for Internal Students. Students from other Univs. who have completed their examns. in Anat. and Physiol. are admitted to complete the clinical part of the course leading to a Degree of their own Univ.

CLINICAL UNITS. There are Clinical Units in Medicine and Surgery, the personnel of which wholly devote themselves to teaching and research and assist students wishing to carry out original work.

FEES. Registration fee, £5 : 5s. Annual fees, £57 : 15s. per session.

SCHOLARSHIPS AND PRIZES. Entrance, Men, 5 of £40 a year for 5 years. Entrance, Women, 1 of £40 a year for 5 years. Univ., for clinical students, 3 of £50 a year for 3 years. All these scholps. are eligible for supplementation by the Ministry of Education (application to be made in Jan.). Research Fellowships and many other prizes and scholps. are available.

PUBLICATION. *St. Mary's Hospital Gazette*.

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	6	416
Women	..	59
Total	6	475

DEGREES. B.M., B.Ch. Oxon., 1 ; D.M. Oxon., 1 ; M.B., B.S., 38 ; M.B., B.Chir. Camb., 9 ; M.D., 8 ; Ph.D., 2.

DIPLOMAS. D.C.H., 1 ; D.M.R., 2 ; D.P.H., 1 ; D.Phys. Med., 1 ; D.R.C.O.G., 4 ; D.T.M. & H., 2 ; F.R.C.S., 5 ; M.R.C.P., 4 ; M.R.C.S., L.R.C.P., 40.

[Information compiled as at 26/9/52.]

ST. THOMAS'S HOSPITAL MEDICAL SCHOOL

Founded in 13th century

Postal Address : Albert Embankment, London, S.E.1.

Telephone : Waterloo 5656 ; ext. 23.

DEAN—Professor W. G. BARNARD, F.R.C.P.

SUB-DEAN—J. FOREST SMITH, F.R.C.P.

MEDICAL SECRETARY—A. L. CROCKFORD, D.S.O., O.B.E., M.C., T.D.,
M.A., M.B., B.Chir. Camb.

APPOINTED AND RECOGNIZED TEACHERS

*Anæsthetics*Low, W. A., M.C., M.B., B.S., D.A.,
F.F.A.R.C.S.Ryan, J. F., M.B., B.S.,
F.F.A.R.C.S., D.A.Wylie, W. D., M.A., M.B., B.Chir.
Camb.Nosworthy, M. D., M.A., M.D.
Camb., F.F.A.R.C.S.*Anatomy*Davies, D. V., M.A. Camb., M.B.,
B.S. Prof.*Bacteriology*

Hare, R., M.D., B.S. Prof.

Barber, Mary, M.D., B.S. Reader.

*Biochemistry*Young, Leslie, D.Sc., Ph.D.,
F.R.I.C. Prof.

Lowndes, J., F.R.I.C. Sr. Lectr.

Maw, G. A., Ph.D., B.Sc. Lectr.

Biology

..... Sr. Lectr.

Hamilton, A. G., B.Sc., B.Agr.
Belf., Ph.D. Sr. Lectr.*Cardiology*

Jones, Evan, M.D., B.S., F.R.C.P.

Children's Diseases

Forest Smith, J., F.R.C.P.

Dental Surgery

Hovell, J. H., L.D.S.

Dermatology

Dowling, G. B., M.D., F.R.C.P.

Wallace, H. J., M.A., M.D. Camb.

*Medicine*Gardiner-Hill, H., M.B.E., M.A.,
M.D. Camb., F.R.C.P.Hilton, R., M.A., M.D. Camb.,
F.R.C.P.Goadby, H. K., M.A., M.D. Camb.,
F.R.C.P.

Jones, Evan, M.D., B.S., F.R.C.P.

Richardson, J. S., M.V.O., M.A.,
M.D. Camb., F.R.C.P.Harman, J. B., M.A., M.D. Camb.,
F.R.C.P., F.R.C.S.Anderson, H. J., M.B., B.Chir.
Camb.Sharpey-Schafer, E. P., M.B.,
B.Chir. Camb., F.R.C.P. Prof.Dornhorst, A. C., M.D., B.S.
Reader.*Neurology*Elkington, J. St. C., M.A., M.D.
Camb., F.R.C.P.*Obstetrics and Gynæcology*Wrigley, A. J., M.D., F.R.C.S.,
F.R.C.O.G.

Bowes, R. K., M.D., M.S., F.R.C.S.

Rickford, R. B. K., M.D., F.R.C.S.

.....	Reader.	Vass, C. C. N., M.Sc., Ph.D., M.B., Ch.B. Leeds	Reader.
<i>Ophthalmology</i>			
Penman, G. G., M.A., M.D. Camb., F.R.C.S.		<i>Plastic Surgery</i>	
Ridley, H., M.A., M.D. Camb., F.R.C.S.		Battle, R. J. V., M.B.E., M.A., M.Chir. Camb., F.R.C.S.	
<i>Orthopædic Surgery</i>			
Perkins, G., M.C., M.A., M.Ch. Oxon., F.R.C.S.	Prof.	<i>Psychiatry</i>	
Furlong, R. J., M.B., B.S., F.R.C.S.		Sargant, W. W., M.A., M.B., B.Chir. Camb., F.R.C.P.	
<i>Oto-Rhino-Laryngology</i>			
Neilson, D. F. A., B.A. Camb., F.R.C.S.		<i>Radiodiagnosis</i>	
Mill, W. A., M.S., F.R.C.S.		McLaren, J. W., M.A., D.M.R.E. Camb.	
Bateman, G. H., M.A., B.M., B.Ch. Oxon., F.R.C.S.		<i>Radiotherapy</i>	
<i>Pathology</i>			
Barnard, W. G., F.R.C.P.	Prof.	Fleming, J. A. C., M.B., Ch.B., D.M.R., F.R.C.S.Ed., F.F.R.	
John, R. W.	Sr. Lectr.	<i>Surgery</i>	
Spencer, H., M.D., F.R.C.S., D.T.M. & H.	Sr. Lectr.	Romanis, W. H. C., M.A., M.B., M.Chir. Camb., F.R.C.S.	
Pinniger, J. L., M.D.	Sr. Lectr.	Robinson, R. H. O. B., M.A., M.B., B.Chir. Camb., F.R.C.S.	
<i>Pathology, Chemical</i>			
Griffiths, W. J., B.Sc., Ph.D.		Boggon, R. H., M.B., M.S., F.R.C.S.	
Prunty, F. T. G., M.A., M.D. Camb., F.R.C.P.	Reader.	Barrett, N. R., M.A., M.Chir. Camb., F.R.C.S.	
<i>Pharmacology and Therapeutics</i>			
Stacey, R. S., M.A., M.D. Camb.		Mimpriss, T. W., M.B., B.S., F.R.C.S.	
	Reader.	Nevin, R. W., M.A., M.B., B.Chir. Camb., F.R.C.S.	
<i>Physics</i>			
.....	Sr. Lectr.	Perkins, G., M.C., M.A., M.Ch. Oxon., F.R.C.S.	
<i>Physiology</i>			
Barcroft, H., M.A., M.D. Camb.		<i>Thoracic Disease</i>	
	Prof.	Barrett, N. R., M.A., M.Chir. Camb., F.R.C.S.	
Downman, C. B. B., B.Sc.	Lectr.	Anderson, H. J., M.B., B.Chir. Camb., F.R.C.P.	
		<i>Venereal Diseases</i>	
		Anwyl-Davies, T., M.D., F.R.C.P.	

GENERAL INFORMATION

The School was founded in the 13th century and is now an incorporated School of the Univ. of London. The Pre-medical and Pre-clinical Depts. are well equipped, and there are full Professorial Units in Medicine and Surgery. The Hospl. has over 700 beds available for teaching; the Library contains a wide selection of periodicals and relevant text-books. There is an extensive pathol. museum.

COURSES. Full instruction is provided for the whole course for the degree of M.B., B.S. London. Students for this degree join the pre-clinical period in Oct., but those from the Univ. of Oxford or Cambridge, who wish to do their clinical work in London for their own Univ. degrees may join in April or Oct. A final F.R.C.S. course is held twice a year, starting in March and Sept. Women students are accepted up to 15 per cent. of the annual entry.

FEES. Tuition, £57 : 15s. p.a. ; club subscription, 5 gs. p.a.

SCHOLARSHIPS. Scholps. are offered for entry into the pre-clinical and clinical periods and there are many scholps. and prizes awarded during the year. Research facilities and scholps. are available for postgraduates, and 2 scholps. may be awarded annually to enable selected students to take a B.Sc. degree in Physiol. or Anat. before proceeding to the clinical period.

THE YEAR 1951-52

RESIGNATIONS. Dr. I. Donald (Obstet. and Gynaecol.) apptd. Reader in Obstet. and Gynaecol., Postgrad. Med. Sch. of London.

STUDENTS. 500 (including 53 women) full-time.

DEGREES. M.B., B.S. Lond., 46 ; M.B., B.Chir., Camb., 36 ; 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.P.M., 1 ; D.M.R. (Diag.), 1 ; D.P.H., 1 ; D.R.C.O.G., 7 ; M.R.C.P., 13 ; F.R.C.S., 15.

[Information compiled as at 22/5/52.]

UNIVERSITY COLLEGE HOSPITAL MEDICAL SCHOOL

Founded 1828

Postal Address : University Street, London, W.C.1.

Telephone : Euston 5861.

CHAIRMAN OF THE SCHOOL COUNCIL—Sir ARCHIBALD GRAY, C.B.E., M.D., F.R.C.S., F.R.C.P.

DEAN—J. C. HAWKSLEY, C.B.E., M.D., Ph.D., F.R.C.P.

VICE-DEAN—S. J. COWELL, M.A., M.B., B.Chir. Camb., F.R.C.P.

VICE-DEAN FOR DENTAL STUDENTS—ALAN SHEFFORD, O.B.E., F.D.S.R.C.S.

SECRETARY—Major-General H. L. BIRKS, C.B., D.S.O.

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Dawkins, C. J. Massey, M.A.,
M.D., D.A. Lectr.Hawksley, J. C., C.B.E., M.D.,
Ph.D., F.R.C.P. Lectr.
Morland, A., M.D., F.R.C.P.

Bacteriology

Smith, W., M.D., F.R.S. Prof.

Lectr.
Pochin, E. E., M.A., M.D.,
F.R.C.P. Lectr.

Chemical Pathology

Rimington, C., Ph.D., D.Sc. Prof.
Work, Mrs. C. Reader.Pritchard, E. A. B., M.D., F.R.C.P.
Lectr.
Rosenheim, M. L., M.A., M.D.,
F.R.C.P. Prof.

Clinical Pathology

Maizels, M., M.D., F.R.C.P. Prof.

Stokes, J. F., M.D., F.R.C.P.
Lectr.

Dermatology

Goldsmith, W. N., M.A., M.D.,
F.R.C.P. Lectr.

Mental Diseases

.....

Forensic Medicine

Purchase, W. Bentley, M.C., M.A.,
M.B. Camb., D.P.H. Lectr.

Morbid Anatomy

Cameron, G. R., M.B., B.S. Melb.,
D.Sc., F.R.C.P., F.R.S. Prof.

Medicine

Cowell, S. J., M.A., M.B., B.Chir.
Camb., F.R.C.P. (Dietetics)
Prof.

Obstetrics and Gynæcology

Flew, J. D. S., M.D., F.R.C.O.G.
Lectr.

Dent, C. E., M.D., Ph.D. Reader.

Nixon, W. C. W., M.D., F.R.C.S.,
F.R.C.O.G. Prof.Harris, K. E., M.A., M.D.,
F.R.C.P. Lectr.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.

Pædiatrics

Schlesinger, B. E., O.B.E., M.A.,

M.D. Camb., F.R.C.P. Lectr.

*Physical Medicine*Burt, H. A., M.B., B.Chir. Camb.
Lectr.*Radiology.*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. Lectr.*Surgery*

Lecturers

Davies, D. R., M.S., F.R.C.S.

Dudley-Buxton, J. L.,
F.D.S.R.C.S. (Dental Sur-
gery).Flemming, C. W., O.B.E., M.Ch.
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, Miss D., 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.

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 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	76	266
Women	20	52
Total	96	318

Included in the above are 96 postgraduate students, and 92 new admissions.

DEGREES OBTAINED. M.B., B.S. Lond., 43; M.D. Lond., 7; M.D. Camb., 4; M.B., B.Chir. Camb., 20; B.M., B.Ch. Oxon., 7; M.S. Lond., 1.

UNIVERSITY COLLEGE HOSPITAL DENTAL SCHOOL

APPOINTED AND RECOGNIZED TEACHERS

Anæsthetics

Hudson, M. W. P., M.B., B.S.,
D.A.

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.

Anatomy

Young, J. Z., M.A. Oxon., F.R.S.
Prof.

Medicine

Stokes, J. F., M.D., F.R.C.P.

Bacteriology

Smith, W., M.D., F.R.S. Prof.

Orthodontics

Grossmann, W.

Dental Surgery

Dudley-Buxton, J. L., F.D.S.R.C.S.
Green, C. de V., D.D.S. Tor.,
F.D.S.R.C.S.

Pathology

Cameron, G. R., M.B., B.S. Melb.,
D.Sc., F.R.C.P., F.R.S. Prof.

Surgery

Ince-Jones, A. K., F.D.S.R.C.S.
Schofield, J., F.D.S.R.C.S.

Matthews, D. N., O.B.E., M.D.,
M.Chir. Camb., F.R.C.S.

GENERAL INFORMATION

The National Dental Hospl. was amalgamated with Univ. Coll. Hospl. in 1914, and the Dental School was recognized by the Univ. of London. The School carries out courses of study for the degree of B.D.S. London, and is open equally to men and women. Students are not eligible to commence until they have passed the 1st M.B. London.

FEES. £70 p.a., inclusive, to cover the four-years curriculum.

THE YEAR 1950-51

NEW BUILDINGS. A new Dept. to accommodate students studying Dental Mechanics and Prosthetics has been opened. By this expansion it is hoped to increase the annual student entry.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	54
Women	..	14
Total	2	68

Included in the above are 2 postgraduate students and 20 new admissions.

DEGREES. B.D.S. Lond., 5.

[Information compiled as at 20/5/52.]

WESTMINSTER MEDICAL SCHOOL

Founded 1834

Postal Address : Horseferry Rd., Westminster, London, S.W.1.

Telephone : Victoria 6041-2.

CHAIRMAN—H. M. CLOWES, D.S.O.

DEAN—H. E. HARDING, F.R.C.S.

SUB-DEAN—F. D. HART, M.D. Edin., 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., M.B., 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.

Lumb, G. D., M.D. Sr. Lectr.

Obstetrics and Gynæcology

Goodwin, A., O.B.E., M.D., B.S.,
F.R.C.S. Eng. and Ed.

Bell, A. C. H., M.B., B.S., F.R.C.S.,
F.R.C.O.G.

Searle, W. N., M.B., Ch.B. N.Z.,
F.R.C.S.

Evans, A. B., F.R.C.S., F.R.C.O.G.

Ophthalmology

King, E. F., F.R.C.S.

Orthopædics

Brockman, E. P., B.A., M.Chir.
Camb., F.R.C.S.
Harding, H. E., F.R.C.S.

Paediatrics

Anderson, I. M., M.D. Glas.
Levi, D., M.S., F.R.C.S.

Psychiatry

Garmany, G., M.B., Ch.B. Manc.,
D.P.M.

Public Health

Shinnie, A. J., O.B.E., M.D.
Aberd., 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. K. M. Cordes.

GENERAL INFORMATION

HISTORY. Westminster Hospital was instituted in the year 1719, and incorporated by Act of Parliament in 1836. A Medical School has existed in Westminster since 1834, but was not brought into formal connexion with the Hospital until 1849. The new and enlarged School was completed in May 1939 in order to meet the demands of the latest developments in medical education.

CONSTITUTION. Westminster Medical School is a school of the University of London. Its government is vested in the governing body of the School called the Council.

FEES. Entrance fee, 5 gs. ; annual tuition fee, £66 (including membership of the Students' Union).

SCHOLARSHIPS. Four Scholps., each of the value of £40 p.a. for 3 yrs., are awarded on the result of an examn. held in May of each yr. in First-Year subjects. 4 Scholps. of similar value are also awarded annually as the result of examns. in Anat. and Physiol. held in April and Sept. The winners of these Scholps. are eligible to apply to the Ministry of Education for a supplemental award, which is assessed in accordance with financial circumstances. The David de Souza Scholp. of the value of £40 p.a. is awarded on the results of an examn. in Applied Physiol. held in March ; the award is for 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.

STUDENTS' UNION. The Students' Union includes clubs covering the following activities: Rugby Union football, Association football, athletics, boating, cricket, lawn tennis, hockey, golf, fencing, squash racquets, badminton and sailing. The Refectory Committee, responsible to the Students' Union, is in charge of the School Refectory. The Union subscription is included in the annual tuition fee.

PUBLICATIONS. *Annual Prospectus.* *The Broadway* (students), four times a year.

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	46	167
Women	..	20
Total	46	187

Included in the above are 46 postgraduate students and 59 first-year admissions.

DEGREES. M.B., B.S., 32.

POSTGRADUATE MEDICAL SCHOOLS

i [Information compiled as at 27/5/52.]

BRITISH POSTGRADUATE MEDICAL FEDERATION

Founded 1945

Postal Address of Central Office : 2 Gordon Square, London, W.C.1.

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.

ASSISTANT 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.

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 Obstetrics and Gynæcology
(OG.).

Institute of Ophthalmology (Oph-
thalmol.).

Postgraduate Medical School of
London (PM.).

Institute of Psychiatry (Psy.).

Biochemistry

Boyland, E., D.Sc. Manc., Ph.D.
Prof. (CR.).

Klyne, W., M.A. Oxon., Ph.D.
Edin. Reader (PM.).

Biophysics

Hill, D. K., M.A. Camb.
Sr. Lectr. (PM.).

Chemistry

Bergel, F., D.Phil. Freiburg, Ph.D.
D.Sc. Prof. (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.).

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. Liv.,
B.D.S., D.D.Sc. Melb., M.Sc.,
F.D.S.R.C.S. Sr. Lectr.(DS.)

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.
Reader (PM.).

Lecturers

Behrman, S., B.Sc. (Ophthalmol.).
Bishop, P. M. F., B.A., D.M.
(OG.).

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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.).

Elliott, F. A., M.B., Ch.B. Cape T.,
F.R.C.P. (Ophthalmol.).

Gavey, C. J., M.D., F.R.C.P.
(Ophthalmol.).

Goodwin, J. F., M.B., B.S., M.D.
(PM.).

Meadows, S. P., B.Sc. Liv., M.D.,
F.R.C.P. (Ophthalmol.).

Scadding, J. G., M.D., F.R.C.P.
(PM.).

Mental Diseases

Lewis, A. J., M.D. Adel., F.R.C.P.
Prof. (Psy.).

Stengel, E., M.D. Vienna
Reader (Psy.).

Lecturers (Psy.)

Blacker, C. P., M.A., F.R.C.P.
Cameron, K., M.B., Ch.B. Edin.
East, Sir W. N., M.D., F.R.C.P.
Gillespie, W. H., M.D. Edin.

Hill, J. D. N., M.B., B.S., D.P.M.,
F.R.C.P.

Miller, E., D.P.M., F.R.C.P.

Scott, W. C. M., B.Sc., M.D. Tor.

Slater, E. T. O., M.A., M.D. Camb.,
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.B.,
B.S., M.D. 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, A., 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.Ed., F.R.C.O.G.

Rickford, R. B. K., B.S., M.D.

Searle, W. N., M.B., Ch.B. N.Z.,
F.R.C.S.

Winterton, W. R., M.A., M.B.,
B.Chir. Camb., F.R.C.S.

Ophthalmology

Lecturers (Ophthalmol.).

- Cardell, J. D., M.B., B.S.,
F.R.C.S.
Cross, A. G., M.D., F.R.C.S.
Davenport, R. C., M.B., B.S.,
F.R.C.S.
Doggart, J. H., M.A., M.D. Camb.,
F.R.C.S.
Duke-Elder, Sir S., K.C.V.O.,
M.A., M.D., D.Sc. St. And.,
Ph.D., F.R.C.S.
Gimblett, C. L., M.D., F.R.C.S.
Goldsmith, A. J. B., M.B., B.S.,
F.R.C.S.
King, E. F., M.B., Ch.B. 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.
Moffatt, P. McG., M.D., D.O.M.S.,
D.P.H., F.R.C.S.
Milner, J. G., M.B., B.Chir. Camb.,
F.R.C.S.
Penman, G. G., M.D., F.R.C.S.
Philps, A. S., F.R.C.S.
Ridley, F. T., B.Sc., M.B., B.S.,
F.R.C.S.
Ridley, N. H. L., M.D., F.R.C.S.
Shapland, C. D., M.B., B.S.,
F.R.C.S.
Stallard, H. B., M.D.
Wolff, E., M.B., B.S., F.R.C.S.

Oto-Rhino-Laryngology

- Ormerod, F. C., M.D., Ch.B.
Manc., F.R.C.S. Prof. (LO.).

Lecturers (LO.)

- Asherson, N., M.B., B.S., F.R.C.S.
Ellis, M. P., M.D., M.S., F.R.C.S.
Gill-Carey, C., F.R.C.S.
Hogg, J. C., M.B., B.Chir. Camb.,
F.R.C.S.
Howells, G. H., M.B., B.S.,
F.R.C.S.

- Watkyn-Thomas, F. W., M.B.,
B.Chir. Camb., F.R.C.S.

Pathology and Bacteriology

- Dible, J. H., M.B., Ch.B. Glas.,
F.R.C.P. (Pathol.)
Prof. (PM.).
King, E. J., M.A. McM., Ph.D.
Tor. (Chem. Pathol.)
Prof. (PM.).
Stamp, Lord, M.A., M.B., B.Chir.
Camb. (Bacteriol.)
Prof. (PM.).
Meyer, A., M.D. Bonn (Neuro-
pathol.) Prof. (Psy.).
Haddow, A., M.D., D.Sc., Ph.D.
Edin. (Exper. Pathol.)
Prof. (CR.).
Ashton, N. H. (Pathol.)
Reader (Ophthalmol.).
Dacie, J. V., M.B., B.S. (Haema-
tol.) Reader (PM.).
Friedmann, I., M.D. Prague,
D.C.P. (Bacteriol.)
Reader (I.O.).
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.).
McIlwaine, H., D.Sc., Ph.D. Durh.
(Biochem.) Reader (Psy.).
Doniach, I., M.D. Lectr. (PM.).
Haines, M., M.D. Lectr. (OG.).
Hayes, W., M.B., B.Ch., D.Sc.
Dub., F.R.C.P.I.
Sr. Lectr. (PM.).
.....
Sr. Lectr.
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.).
McLardy, T., B.Sc., M.D. Glas.,
D.P.M. Sr. Lectr. (Psy.).
White, J. C., M.B., B.Ch. Birm.
Lectr. (PM.).

Physics

Mayneord, W. V., D.Sc. Birm.,
F.I.P. Prof. (CR.).

Clark, L. H. S., Ph.D. Lectr. (PM.).

Lamerton, L. F., M.Sc., Ph.D.,
F.I.P. Lectr. (CR.).

Physiology

Harris, G. W., M.A., M.D., Sc.D.
Camb. Prof. (Psy.).

Thomson, L. C., M.B., B.S., Ph.D.
Lectr. (Ophthalmol.).

Psychology

Eysenck, H. J., B.A., Ph.D.
Reader (Psy.).

Radiology

Smithers, D. W., M.D. Camb.,
D.M.R. Prof. (CR.).

White, J. D., 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.).

Knight, G. C., M.B., B.S.,
F.R.C.S. Lectr. (PM.).

Macnab, G. H., M.B., Ch.B. Edin.,
F.R.C.S. Lectr. (CH.).

Shackman, R., M.B., B.S.,
F.R.C.S. Sr. Lectr. (PM.).

GENERAL INFORMATION

The Federation was established by the Senate in 1945 for the further development of postgraduate medical education in London. It was incorporated by Royal Charter in March 1947, and admitted as a School of the Univ. in Dec. 1947. The purpose of the Federation is to provide organized and correlated facilities for postgraduate teaching and research for qualified medical practitioners from the U.K., the Dominions, Colonies and abroad, and to co-operate with Univs., Medical Schools, the Royal Colls. and other bodies in their provisions for postgraduate medical education. The Federation provides: (i) Training for prospective specialists, supplementing the work of the undergraduate medical schools. (ii) Advanced revision for practising specialists. (iii) Instruction for medical practitioners who, though not specialists, desire more detailed knowledge of any branch of medicine. (iv) Instruction for general practitioners.

The Federation comprises at present: *Federated Institutes*—Postgraduate Medical School of London, Institute of Psychiatry, Institute of Laryngology and Otology, Institute of Ophthalmology, Institute of Child Health, Institute of Obstetrics and Gynæcology, Institute of Neurology, Institute of Orthopaedics, 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. 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 hospitals or medical schools of the Univ. of London.

Following the institution of the National Health Service in July 1948, the Federation appointed to the staff of the Central Office a Regional Adviser for Postgraduate Medical Educn. in each of the four Metropolitan Regions to carry out the policy of the Univ. and the Federation in arranging postgraduate education for the practitioners, both specialist and general, in the Region. They are: North-East—D. F. Ellison Nash, F.R.C.S. North-West—D. C. Bowie, O.B.E., M.B., Ch.B., F.R.C.S.Ed. South-East—H. G. McGregor, M.D. South-West—P. H. Mitchiner, C.B., C.B.E., M.D., M.S., F.R.C.S., D.Ch. (Hon.), and D. C. Bowie, O.B.E., M.B., Ch.B., F.R.C.S.Ed.

PUBLICATIONS. *Annual Report* and *Handbook*; leaflets of information on postgraduate medical facilities in U.K.; various Institute *Prospectuses* and *Reports*.

THE YEAR 1950-51

NEW INSTITUTE. The Teaching Depts. of the Royal Coll. of Surgeons of England have now been formed into an Inst. of Basic Medical Sciences (*q.v.*) and, as from August 1950, admitted as an associated Inst. of the Fed.

LECTURE SERIES. During autumn and winter terms, series of lectures on "The Scientific Basis of Medicine," for res. workers and specialists in training, given by experts in their subjects from centres throughout the country.

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 hospitals in London, or in reading for exams.

INSTITUTES OF THE FEDERATION

- (a) **POSTGRADUATE MEDICAL SCHOOL OF LONDON** (Ducane Road, Shepherd's Bush, London, W.12. *Telegraphic Address*: Postgradmed Chsk, 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 con-

tains 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.; hospil. practice, available during vacation. Fees: £20 for one term, £35 for two, and £50 for three. Facilities for research work provided under direction of Professors for suitable students. Course for Dipl. in Clin. Pathol. commences annually in Oct. and the Dept. of Radiol. of the hospil. 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 1950-51

SUBSTANTIAL BENEFACTION. Late Miss J. V. Rickatson, £1000.

NEW BUILDING. Biochem. Hut.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Dr. Warren H. Cole, Illinois, Visiting Prof. of Surg.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. J. McMichael, Spain; Dr. E. G. L. Bywaters, U.S.A.; Dr. J. W. Crofton, E. and S. Africa; Dr. G. M. Bull, Cairo; M. Ewing, Travelling Fellow of British Empire Cancer Campaign at Memorial Hospital, N.Y.; Prof. J. H. Dible, Glas.; Prof. E. J. King, Canada and U.S.A.

RESIGNATION. S. A. Jenkins, Consultant Orthopaedic Surgeon to Eastbourne area.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	97	320
Women	12	35
Total	109	355

(b) INSTITUTE OF PSYCHIATRY (Maudsley Hospital, Denmark Hill, London, S.E.5. Telephone: Rodney 2634). Dean—D. L. Davies, M.A., D.M., D.P.M.

Associated with the Maudsley Hospital, Denmark Hill, and the Bethlem Royal Hospital. Admitted as a School of the Univ. in May 1924, and approved for recognition as a Federated Institute of the Federation in March 1948.

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. 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 electro-encephalography (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. neuroendocrinol. labs. offer facilities for res. and study for higher degrees. Library takes relevant current periodicals, in various langs.

THE YEAR 1950-51

NEW POST. Reader in Biochemistry.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. M. Bleuler, Zürich ; Prof. D. Lagache, Paris ; Prof. E. Essen-Möller, Lund ; Prof. A. Fölling, Oslo ; Prof. T. Sjögren, Stockholm ; Dr. J. Le Beau, Paris ; Dr. E. Frenkel-Brunswick, Calif. ; Dr. Knab-Barnwell, Heidel.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITY. Prof. A. Lewis and Prof. A. Meyer to Lund, Sweden.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	59	116
Women	13	27
Total	72	143

(c) INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY (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. The Institute is housed partly inside the hosp. and partly in adjoining accomm. adapted for the purpose. There are a museum, library and students' common rooms. Research labs. are available.

THE YEAR 1950-51

NEW BUILDING. Animal House with operating room.

NEW POSTS. Reader in Bacteriol. ; Lectrs. in General Surg. ; Lectr. in Pharmacol. ; Lectr. in Appl. Phys.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. P. Frenckner, Stockholm ; Dr. H. Davis, St. Louis.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. F. C. Ormerod, Canada, America, Norway, Sweden and Finland ; G. H. Howells, Amsterdam and Leiden ; Dr. M. Lederman, Paris and Brussels.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	15	77
Women	3	4
Total	18	81

- (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 are held twice p.a., in April and Sept. Fee £5 : 5s. Clin. teaching and lectures are given at a higher level for advanced students. Labs. for bacteriol., histol., biochem. and research in all fields associated with the physiol. and pathol. of the eye and vision are available. There also are library and museum facilities.

THE YEAR 1950-51

NEW DEPARTMENT. Virus Lab. for res. in ocular virus diseases opened as part of Dept. of Pathol.

NEW POST. Sr. Lectr. in Bacteriol.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. I. Stone, Yale.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Sir Stewart Duke-Elder, Calif.

DEATH. Dr. P. L. Kiewe, Asst. Pathol.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	88	25
Women	6	5
Total	94	30

- (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., F.R.C.P.

Founded 1945, and associated with the Hospital for Sick Children, Post-graduate Medical School at Hammersmith Hosp., and Queen Elizabeth Hosp.

for Children. 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; (c) to act as consultative body on problems of child health.

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 each term. Fee: £3:3s. for course of 10 lectures. Students' common room and library provided.

THE YEAR 1950-51

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. R. Debre, Paris; Prof. B. Vahlquist, Uppsala; Prof. M. Lelong, Paris.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Prof. A. A. Moncrieff, E., Central and S. Africa.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	65	68
Women	21	40
Total	86	108

(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., F.R.A.C.S., F.R.C.O.G.

The Institute is associated with Queen Charlotte's Maternity Hospital, the Chelsea Hospital for Women and the Dept. of Obstetrics and Gynæcol. at the Postgraduate Medical School (*q.v.*). It was formed in 1948, and was approved for recognition as a Federated Institute of the Federation from Oct. 1949. It has 241 beds for Obstetrics and 172 for Gynæcol. Training is mainly by means of attendance on the hospl. practice, which is continuous throughout the yr. Courses of instruction, which include lectures and demonstrations, are held in 2 terms annually, commencing in Sept. and March; they are of 12 weeks' duration. Fees, £30 for 1 term; £55 for 2 terms. There is provision for general practitioners with a special interest in obstetrics and gynæcol. to attend for short periods. 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 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	86	96
Women	37	22
Total	123	118

- (g) INSTITUTE OF NEUROLOGY (National Hospital, Queen Square, London, W.C.1. *Telephone* : Terminus 7721). *Dean*—Macdonald Critchley, M.D., F.R.C.P.

The Inst. is a continuation of the Med. Sch. associated with the National Hosp., Queen Square, where postgrad. clin. teaching and res. have been carried on for past 90 yrs. ; also associated with the Hosp. for Nervous Diseases, Maida Vale. 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 1950-51

NEW BUILDING. Classroom in " Westminster Wing " of National Hospital for practical pathol. and morbid anat.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. R. S. Allison, Belfast ; Prof. A. Biemond, Amst. ; Prof. M. Bleuler, Zürich ; Prof. F. Bremer, Brussels ; Dr. A. Catacousinos, Athens ; Prof. W. E. le G. Clark, Oxon. ; Dr. F. Grewel, Amst. ; Prof. H. Hyden, Gothenburg ; Dr. B.C. Ledebøer, Heemstede ; Prof. R. Leriche, Paris ; Dr. J. Pennybacker, Oxon. ; Prof. L. Rogers, Cardiff ; Prof. T. Sjögren, Stockholm ; Dr. Honor Smith, Oxon. ; Dr. A. G. M. Weddell, Oxon.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. M. Critchley, Calif. ; H. Jackson, Fouad I Univ., Cairo ; Sir Charles Symonds, Syd.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	181	156
Women	26	31
Total	207	187

- (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., 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 central hospital 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. Orthopaedics 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 hospital posts, over a period up to 2 years, and selected postgraduates may go on to the Institute research appointments. Library facilities.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Royal National Orthopaedic Hosp., £500, 1st instalment of £1500 for large animal res.; Sir Halley Stewart Trust, £350 for investigation of vascular connections and fluid exchange between bone and adjacent tissues; I.C.I. Ltd., £250, 2nd instalment of £750 for res. being carried out at Inst.'s Plastic Res. Unit.; T. J. Smith & Nephew Ltd., £200, for Plastics Research Unit.

NEW BUILDING. Extension to animal house at country section at Stanmore.

NEW POST. Asst. in Biochem.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	67	19
Women	7	..
Total	74	19

ADDITIONAL DEVELOPMENT. Inst. inspected by Senate and recognized as Federated Inst. of Federation from Jan. 1951.

- (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 revision courses: fee, £31: 10s. Res. and library facilities.

THE YEAR 1950-51

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. W. Armstrong, Minn.; Prof. H. Frisbie, Calif.; Prof. J. J. Holst, Copenhagen; Prof. H. H. Shapiro, Col.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. C. F. Ballard, Northwestern, Mich.; Tufts Coll., Boston, Harv., Tor. (Fac. of Dent.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	54	19
Women	14	2
Total	68	21

- (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.

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. The fee for attendance at a whole-time course is £15 : 15s. per term. Facilities for part-time attendance are available for a larger number of graduates. The fee for this is £12 : 12s. for one term of ten weeks, and if vacancies exist for shorter periods, £5 : 5s. for one month. Two Refresher Courses lasting one week each are held each year, one at Brompton Hospital and one at the London Chest Hospital. A whole-time course in chest surgery is conducted during the two terms beginning Oct. and Jan. The fee is £15 : 15s. per term. Two-week courses in chest surgery and in anaesthesia for chest surgery are held twice yearly, in Sept. and April. Fee, £5 : 5s. Part-time instruction in radiology of the chest for trainee radiologists only is given each term. Fee, £10 : 10s. Library, Museum and research facilities.

THE YEAR 1950-51

NEW POSTS. Pt.-time Dir. of Med. Studies (duties combined with those of Dean); pt.-time Res. Asst. for work in connection with joint clinic conducted by Brompton and Royal Cancer Hospitals.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. M. Chamberlain, N.Y.; Prof. Valdoni, Rome; Dr. E. Holman, San Francisco; Dr. E. Graham, St. Louis.

RESIGNATIONS. Dr. J. W. Crofton, apptd. to whole-time post, Postgrad. Med. Sch. of Lond.; Dr. K. W. Donald, apptd. Reader in Med., Birm. U.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	160	40
Women	10	1
Total	170	41

- (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. but who do not wish to specialize in cardiol. 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 charged above. A special 2 weeks' course is held each term (in Feb., June and Nov.). Fee, £12: 12s. Library, Museum and research facilities.

THE YEAR 1950-51

NEW BUILDINGS. Addtnl. accomm. provided at 35 and 47 Wimpole St., near Hosp., affording lab. space, res. rooms, facilities for cardiac catheterisation and angiocardiog., a photo. dept., library and admin. offices.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. R. Gilchrist, Edin.; Prof. W. M. Arnott, Birm.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. P. Wood, Australia and N.Z.; Dr. G. Hayward, Penn.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	130	41
Women	11	1
Total	141	42

- (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 there will shortly be ward instruction in newly formed in-patient dept. Short course of lectures given in the summer, and longer and more systematic course in the winter, including series of clin. demonstrations designed for postgrad. students studying for higher degrees or dipl. Fees, £7 : 17s. and £21 respectively. 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 1950-51

NEW BUILDINGS. Lecture Room, Museum and Photographic Dept.

NEW DEPARTMENT. Photographic Dept.

NEW POSTS. Pt.-time Dir. of Inst.; Librarian; Photographer.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	107	11
Women	6	1
Total	113	12

- (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, each of 2 weeks' duration, 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, £10 : 10s. 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 1950-51

NEW BUILDINGS. No. 10 Henrietta Street, Covent Garden, W.C.2, adapted for Inst. purposes.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	52	6
Women	1	..
Total	53	6

- (o) INSTITUTE OF BASIC MEDICAL SCIENCES (Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2. *Telephone* : Holborn 3474). *Acting Dean*—Professor G. Hadfield, M.D., F.R.C.P.

The Inst., formed in 1951, comprises Depts. of Anat., Physiol. and Pathol., formerly 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. Regular 3-months revision courses, commence in Apr. and Oct. suitable for candidates for higher medical degrees and dipls. ; fee, £36 : 15s. 2-months revision course for dental surgeons held twice p.a. ; fee, £26 : 5s.

[Information compiled as at 9/5/52.]

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE

(INCORPORATING THE ROSS INSTITUTE)

Founded 1924

Postal Address : Keppel Street (Gower Street), London, W.C.1.

Telegrams : Hygower, Westcent, London.

Telephone : Museum 3041.

CHAIRMAN OF THE COURT OF GOVERNORS—Sir COSMO PARKINSON,
G.C.M.G., K.C.B., O.B.E.CHAIRMAN OF THE BOARD OF MANAGEMENT—Sir ARCHIBALD GRAY,
C.B.E., M.D., F.R.C.P., F.R.C.S.

DEAN—A. TOPPING, T.D., M.A., M.D., D.P.H. Aberd., F.R.C.P.

ASSISTANT DEAN—G. M. FRIZELLE, T.D., M.D.

FINANCE OFFICER—L. G. PONSFORD.

APPOINTED AND RECOGNIZED TEACHERS

Applied Physiology

Crowden, G. P., O.B.E., T.D.,
D.Sc. Prof.Angus, T. C., D.F.C., D.Sc.
Sr. Lectr.Thomson, M. L., B.Sc., M.B.,
Ch.B. Glas. Sr. Lectr.

Bacteriology and Immunology

Spooner, E. T. C., M.A., M.D.
Camb. Prof.Cruikshank, J. C., M.D. Edin.,
D.T.M., U.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.Smith, G., M.Sc. Manc., F.R.I.C.
Lectr.

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.Smith, D. A., O.B.E., M.A., M.D.
Camb. Sr. Lectr.

Medical Statistics

Hill, A. Bradford, C.B.E., Ph.D.,
D.Sc. Prof.Reid, D.D., M.D. Aberd., Ph.D.
Reader.Boyd, J. T., M.B., B.Ch., B.A.O.,
D.P.H. Belf.

Sr. Lectr. (pt.-time).

Knowelden, J., M.D., D.P.H.
Lectr.

Parasitology and Helminthology

Garnham, P. C. C., M.D., D.Sc.,
D.P.H. Prof.
Buckle, J. J. C., D.Sc. Dub. Prof.
..... Reader.
LeRoux, P. L., D.Sc. Edin. Lectr.

Maule, H. G., M.A. Camb., Ph.D.
Lectr.
Don, G. G. Lectr.
Cramond, J., M.B., Ch.B., D.P.H.
Aberd. Pt.-time Lectr.
McDonald, Alison D., M.B., B.S.,
D.P.H. Pt.-time Lectr.

Public Health

Mackintosh, J. M., M.A., M.D.,
LL.D. Glas., F.R.C.P. Prof.
Brotherston, J. H. F., M.D. Edin.,
D.P.H. Sr. Lectr.
McCracken, I. E., M.D. Edin.,
B.Hy., D.P.H. Durh. Lectr.

Tropical Hygiene, Ross Institute of

Macdonald, G., M.D. Liv., D.P.H.
Lond., D.T.M. Prof.
Tredre, R. F., M.D., B.Hy., D.P.H.
Durh., Lectr.

GENERAL INFORMATION

HISTORY AND CONSTITUTION. 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. 1950-51, £163,855: interest on investments and bank deposits, 6.2 per cent.; donations and subscriptions, 0.9 per cent.; University Court grant, 85.0 per cent.; students' fees, 5.1 per cent.; contributions for services rendered, 2.1 per cent.; other, 0.7 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: 54 gns. for whole course; 20 gns. for Part I only (from Oct. 1953, 70 gns. and 25 gns. respectively).

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: 54 gns. (from Oct. 1953, 70 gns.).

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 (from Oct. 1953, 40 gns.).

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 examin. 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: 54 gns. for whole course: £40 for Part I only (from Oct. 1953, 70 gns. and 40 gns. respectively).

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 1950-51

SUBSTANTIAL BENEFACTIONS. Late Dr. H. E. Durham, £509 on trust, the income to be used "for the advancement of knowledge of health and disease in warm climates"; late Mrs. Nora Dalrymple, £1971 for res. scholp. in trop. med.; Rockefeller Foundation, \$10,000 for field survey work in public health during two years.; donations to Ross Inst., £8938; Nuffield Foundation, substantial contribution to cost of apparatus for chem. lab. of Sub-Unit of Occupational Health.

BUILDINGS. Repairs to bomb-damaged wing of School completed.

NEW APPOINTMENTS AND DEPARTMENTS. Dr. F. Murgatroyd apptd. to Wellcome Chair of Clin. Trop. Med.; Sub-Unit of Occupational Health, under joint supervision of depts. of Appld. Physiol. and Pub. Health in association with Slough Industrial Health Service.

ADULT EDUCATION WORK. 69 people attended 5 days' course on Malaria control for laymen, organized by Dept. of Trop. Hyg. (Ross Inst.); 106 people

attended week-end course for doctors and nurses engaged in Industrial Health, organized by the Sch. in co-operation with the Assoc. of Industrial Med. Officers, in June 1951.

NEW COURSE. Imperial Coll., in co-operation with the Sch., established a 9 months full-time postgrad. course of instruction in Pub. Health Engin., primarily for students holding a Univ. degree in Civil Engin. or equivalent qualification, and qualifying for Dipl. of Imperial Coll. :

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. D. Baird, Newsholme Lectures, " Obstetric Trends in a Changing Society " ; Sir Philip Manson-Bahr, Manson Lecture, " Patrick Manson : the Father of Tropical Medicine ".

VISITS ABROAD OF MEMBERS OF STAFF. Prof. Macdonald, Ceylon ; Prof. Shortt, W. African Inst. for Trypanosomiasis Res. ; the Dean, W. Africa.

RETIREMENT. Prof. M. E. Delafield, upon whom title of Prof. Emeritus of Chem. as applied to Hyg. was conferred.

RESIGNATION. Dr. R. W. Riddell (Med. Mycol.), apptd. Bacteriologist to Brompton Hosp.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	9	229
Women	3	32
Total	12	261

All the above are postgraduate students and 248 entered the School for the first time.

DEGREES, ETC. AWARDED. M.D. (Hygiene), 4 ; D.Sc., 1 ; Ph.D. in Fac. of Med. (Non-clin.), 3 ; Ph.D. in Fac. of Sci., 9 ; C.P.H., 55 ; D.P.H., 43 ; Dip. Bact., 12 ; D.T.M. & H. (Eng.), 72.

[Information compiled as at 1/5/52.]

LISTER INSTITUTE OF PREVENTIVE MEDICINE *

Founded 1891

Postal Address : Chelsea Bridge Road, London, S.W.1.

Telegraphic Address : Bacteriology, Knights, London.

Telephone : Sloane 2181.

CHAIRMAN OF GOVERNING BODY—Sir HENRY H. DALE, O.M., G.B.E.,
M.D., F.R.C.P., F.R.S.

DIRECTOR—A. A. MILES, M.A., M.B. Camb., F.R.C.P.

SECRETARY—S. A. WHITE.

APPOINTED AND RECOGNIZED TEACHERS

Baddiley, J., M.Sc., Ph.D. (Chem.) Maycock, W. d'A., M.D. McG.
Dolby, D. E., Ph.D. (Biochem.) (Pathol.).
Kekwick, R. A., D.Sc. (Biochem./ McClean, D., M.B., B.S.
Biophysics). (Bacteriol.).
Macfarlane, Marjorie G., D.Sc., Morgan, W. T. J., D.Sc., Ph.D.,
Ph.D. (Biochem.). F.R.I.C., F.R.S. (Prof. in
Biochem.).

GENERAL INFORMATION

Founded in 1891 for research into causation, prevention and treatment of diseases of men and animals. Limited accomm. available for approved research by students of both sexes, usually without fees. Research student-ships advertised as vacancies occur. Library, primarily for the use of Institute workers, is well-equipped.

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	9
Women	1	5
Total	1	14

All the above are postgraduate students.

DEGREES. Ph.D., 3.

* Not in receipt of U.G.C. grants.

INSTITUTIONS WITH RECOGNIZED TEACHERS *

[(a) Principal. (b) Subjects in which recognized. (c) Number of Internal degree students.†]

1. UNIVERSITY OF LONDON: GOLDSMITHS' COLLEGE, New Cross, London, S.E.14. (*Telephone*: Tideway 2814 and 2266.) Incorporated in the Univ. Warden, and Principal of the Training Dept.—A. J. Price, M.A. Oxon. Vice-Principals of Training Dept.—Dorothy M. E. Dymes, M.A., and E. A. Wheeler, O.B.E., M.Sc. (c) 71.

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) 809.

3. CHELSEA POLYTECHNIC, Manresa Rd., Chelsea, S.W.3. (*Telephone*: Flaxman 5747.) (a) N. M. Lightfoot, M.A. (b) Bot., Chem., Geol., Maths., Pharm., Physics, Physiol., Zool. (c) 895.

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) 146.

5. EAST MALLING RESEARCH STATION, East Malling, Kent. (*Telephone*: Maidstone 7294.) *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) 9.

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) 29.

7. JOHN INNES HORTICULTURAL INSTITUTION, Bayfordbury, Hertford. (*Telephone*: Hertford 3191.) *Director*—C. D. Darlington, D.Sc., Ph.D., F.R.S. (b) Genetics and Cytology. (c) 7 (research only).

* Not in receipt of U.G.C. grants.

† Only the totals of those students pursuing internal degree 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) 18.

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) 10.

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) 932.

11. NORTHERN POLYTECHNIC, Holloway Rd., London, N.7. (*Telephone*: North 1686.) (a) T. J. Drakeley, D.Sc., Ph.D., F.R.I.C. (b) Bot., Chem., Geol., Zool., Maths., Physics. (c) 719.

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) 50.

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 George Dyson, M.A., D.Mus. Oxon., LL.D., F.R.C.M., F.R.C.O. (b) All Music subjects. (c) 14.

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) 502.

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) 47.

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) 335.

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) 645.

NAMES OF RECOGNIZED TEACHERS

Bacteriology

Andrewes, C. H., M.D., F.R.C.P.,
F.R.S. (9).

Pirie, N. W., M.A., F.R.S. (12).
Tattersfield, F., D.Sc. (12).

Biochemistry

Harington, Sir Charles, Ph.D.
Edin., M.A., Sc.D. Camb.,
F.R.S. (9).

Botany

Barnes, B. F., D.Sc., Ph.D., F.L.S. (3).
Bawden, F. C., M.A. Camb. (12).
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.
 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).
 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).
 West, R. W., D.Sc., F.R.I.C. (2).

Classics

- Handford, S. A., M.A. Oxon. (1).

Cytology

- Darlington, C. D., D.Sc., F.R.S. (7).

Education, v. also Music

- 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).
 Hamilton, K. W., B.Sc. (Eng.) (2).
 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).
 Wilkins, R. J., M.Sc. (Eng.) (10).

Engineering, Electrical

- d'Ombrain, G. L., Ph.D. (2).
 Freeman, G. F., M.Sc. (Eng.) (17).
 Mann, H. C., B.Sc. (Eng.) (2).
 Spencer, W. G., M.Sc. Tech. Manc. (18).
 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).
 Williams, C. B., M.A., Sc.D. Camb. (12).
 Potter, C., Ph.D., D.Sc., D.I.C. (12).

Estate Management

- Adkin, B. C., M.A. Camb., B.Sc.
(Agric. and Forestry) (4).
Lawrance, D. M., B.Sc. (English
Law relating to Land) (4).

Genetics

- Crane, M. B. (7).
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).

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., 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).
Schofield, R. K., M.A., Ph.D.
Camb., F.I.P. (12).
Smith, D. H., Ph.D. (18).
Swaine, W., B.Sc. Manc., F.I.P.
(10).
Symons, A. S. M., B.Sc., Ph.D.,
D.I.C. (11).

Physiology and Pharmacology

- Feldberg, W. S., M.A. Camb.,
M.D. Berl., F.R.S. (9).

Plant Pathology

- Harris, R. V., D.Sc. (5).

Plant Physiology

- Vyvyan, M. C., M.A. Camb., D.Sc.
(5).

Pomology

Rogers, W. S., M.A. Camb., D.Sc.
(5).

Semitic Languages

Epstein, I., D.Lit., Ph.D. (6).
Wieder, N., D.Phil. Würzburg (6).
Zimmels, H. J., D.Phil. Vienna (6).

Soil Bacteriology

Thornton, H. G., B.A. Oxon.,
D.Sc., F.R.S. (12).

Statistics

Hoblyn, T. N., Hort. Dip. (5).

Yates, F., Sc.D. Camb., F.R.S.

(12).

Zoology

Brown, Eleanor M., B.Sc. (3).
Butler, C. G., M.A., Ph.D. Camb.
(12).
Etherington, D., M.Sc. (11).
Goodey, T., O.B.E., D.Sc. Birm.,
F.R.S. (12).
Hentschel, C. C., M.Sc. (3).
Parkes, A. S., Sc.D. Camb., D.Sc.
(9).
Potter, C., D.Sc. (12).
Sutton, Muriel F., Ph.D. (3).

VICTORIA UNIVERSITY OF MANCHESTER*

Founded 1880

Postal Address : Oxford Road, Manchester, 13.

Telephone : Manchester, Ardwick 2681.

VISITOR—H.M. THE QUEEN IN COUNCIL.

CHANCELLOR—The Rt. Hon. LORD WOOLTON OF LIVERPOOL, C.H., D.L.,
M.A., B.Sc., LL.D.

VICE-CHANCELLOR—Prof. Sir JOHN STOPFORD, Sc.D. Dub. and Camb.,
D.Sc. Leeds, M.D., LL.D., F.R.C.P., F.R.S.

DEPUTY VICE-CHANCELLOR—.....

PRO-VICE-CHANCELLORS—Prof. W. H. SEMPLE, M.A. Belf., Ph.D. Camb.,
M.A. ; Prof. P. M. S. BLACKETT, M.A. Camb., D.Sc. Delhi and
R'dg., Dr. de Stras., M.Sc., F.R.S.

CHAIRMAN OF COUNCIL—The Rt. Hon. LORD SIMON OF WYTHENSHAW, OF
DIDSBURY, M.A. Camb., LL.D.

TREASURER—Sir E. RAYMOND STREAT, C.B.E.

DEPUTY TREASURER—R. B. BARCLAY, J.P.

REGISTRAR—V. KNOWLES, M.A.

BURSAR—R. A. RAINFORD, M.A.

PRESENTER OF HONORARY GRADUANDS—Prof. T. W. MANSON, M.A.
Camb., D.Litt. Glas., D.D. Glas., Durh. and Camb., Dr. de Stras.,
M.A., F.B.A.

LIBRARIAN—M. TYSON, M.A., Ph.D.

TEACHING STAFF

Accounting

Murphy, G. W., B.A. (Com.),
F.C.A. Lectr.

Taylor, R. Y., B.A. (Admin.)
Asst. Lectr.

Adult Education, v. Education

American Studies

..... Prof.
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.

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

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.).

Assistant Lecturers

Samuel, E. P., M.D.
Weisl, H., M.B., Ch.B.
.....

Clinical Lecturers

Williams, A. F., B.Sc., M.B.,
Ch.B., F.R.C.S.
.....

Demonstrators

Lacy, P. B., M.B., Ch.B.
.....
Stott, D. B., 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., B.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.
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.

Art, History of

Sewter, A. C., B.Sc. (Econ.) Lond.,
M.A. Sr. Lectr.
Rosenau, Helen, Dr.phil. Hamburg,
Ph.D. Lond.
Asst. Lectr.

Botany

Harland, S. C., D.Sc. Lond., F.R.S.
George Harrison Prof.
and Director of Bot.
Labs. and Experimental
Grounds.
Wardlaw, C. W., Ph.D., D.Sc.
Glas., M.Sc. (Cryptogamic B.)
Barker Prof.

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.).

Asst. Lecturers

Carr, D. J., B.Sc.
Porter, Mary, Dip. Hort.
Wylie, Ann P., M.Sc. N.Z.
McGregor, Sheila M., M.Sc.
Curry, J., M.D. (Dermatological
Mycol.).

Chemistry, v. also Physics, Physiol., Technol.

Jones, E. R. H., B.Sc., Ph.D.
Wales, D.Sc., F.R.S., F.R.I.C.
Sir Samuel Hall Prof.
Evans, M. G., D.Sc., F.R.S.
(Phys. Chem.) Prof.
Fairbrother, F., D.Sc. (Inorg.
Chem.) Reader.

Sr. Lecturers

Campbell, C., D.Sc.
 Dean, Fac. of Sci., Asst.
 Dir. of Chem. Labs.
 Burkhardt, G. N., M.Sc., Ph.D.,
 F.R.I.C.
 Warhurst, E., M.Sc., Ph.D.

Lecturers

Henry, D. C., M.A. Camb.
 Herbert, J. B. M., M.Sc.
 Quibell, T. H. H., M.A., Ph.D.
 Camb.
 Barker, G. R., B.Sc., Ph.D. Lond.
 Skinner, H. A., B.A., B.Sc., D.Phil.
 Oxon.
 Henbest, H. B., B.Sc., Ph.D.
 Lond., D.I.C.
 Halsall, T. G., M.Sc., Ph.D.
 Baxendale, J. H., M.Sc.
 Whiting, M. C., B.Sc., Ph.D.
 Lond.
 Higginson, W. C. E., M.A., D.Phil.
 Oxon.
 Meakins, G. D., B.A., B.Sc.,
 D.Phil. Oxon.
 Sp. Lectr.

Asst. Lecturers

Hush, N. S., M.Sc. Syd.

 Russell, K. E., B.A., Ph.D. Camb.
 Trowse, F. W., B.Sc. Leeds.
 Bu'Lock, J. D., B.A. Camb.
 Pritchard, H. O., M.Sc., Ph.D.
 Landauer, S. R., B.Sc., Ph.D.
 Lond.
 Farrar, Mrs. Kathleen R., B.Sc.,
 Ph.D. Lond. Demr.

Chinese

..... Reader.

Classics, v. also Theol.

Westlake, H. D., M.A. Camb.
 (Greek) Hulme Prof.
 Semple, W. H., M.A. Belf. and
 Manc., Ph.D. Camb. (Latin)
 Hulme Prof.

Husband, Jeanie, B.A. Liv.
 (Greek) Sr. Lectr.
 Zuntz, G., Dr.phil. Marburg (Hel-
 lenistic Greek) Sr. Lectr.
 Kerferd, G. B., B.A. Melb., M.A.
 Oxon. Sr. Lectr.
 Huxley, H. H., M.A. Camb. (Latin)
 Sr. Lectr.

Lecturers

Marlow, A. N., M.A. Lond.
 Guite, H. F., B.A. Lond. (Latin).
 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

Booth, N. B., M.A. Camb.
 Lambert, J. C., B.A. Camb.

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. Econs.)
 Robert Ottley Prof.
 Mars, J., M.A. Brist., Dr. rer.
 pol. Vienna, M.Com. Birm.,
 B.Litt. Oxon. (Econs.)
 Reader.
 Willan, T. S., M.A., B.Litt.,
 D.Phil. Oxon. (Hist.)
 Reader.

Stark, W., Dr. rer. pol. Hamburg,
 Dr. jur. Prague, M.A. Edin.
 (Hist. of Econ. Thought)
 Reader.
 Martin, K., M.A. Oxon., Dr.Phil.
 Frankfurt (Internat. Econs.)
 Sr. Lectr.

Chaloner, W. H., M.A., Ph.D.
 (Mod. Econ. Hist.) Sr. Lectr.
 Henderson, W. O., M.A. Camb.,
 Ph.D. Lond. (Internat. Econ.
 Hist.) Sr. Lectr.
 Lomax, K. S., B.Sc., M.A. (Admin.)
 (Econ. Stat.) Sr. Lectr.
 Koenigsberger, H. G., M.A., Ph.D.
 Camb. (Econ. Hist.) Sr. Lectr.
 Turner, H. A. F., B.Sc. (Econ.)
 Lond. (Indust. Relns.) Lectr.
 Coppock, D. J., B.A. (Econ.)
 (Econs.) Asst. Lectr.
 Vitkovitch, B., B.A. (Econ.)
 (Econs.) Asst. Lectr.
 Low, J. McI., B.Sc. (Econ.)
 Lond. (Econs.) Asst. Lectr.
 Walker, D., B.A. Camb.
 Asst. Lectr.
 Perkin, H. J., B.A. Camb. (Soc.
 Hist.) Asst. Lectr.
 Gribbin, T. K., B.Sc. (Econ.)
 Lond. Asst. Lectr.

Education, v. infra

Education of the Deaf, v. p. 366

Egyptology

Fairman, H. W. Sp. Lectr.

Electrical Engineering, v. also Technol.

Williams, F. C., O.B.E., D.Phil.
 Oxon., D.Sc., F.R.S.
 Edward Stocks Massey
 Prof. of Electro-
 Technics and Dir. of
 Elec. Engin. Labs.
 Gerrard, H., M.Sc., F.I.P. Sr. Lectr.
 Kilburn, T., M.A. Camb., Ph.D.
 Sr. Lectr.

Lecturers

Piggott, L. S., M.Sc. (Eng.) Lond.
 Litting, C. N. W., B.Sc.
 West, J. C., B.Sc.
 Hardy, D. R., M.Sc. (Eng.) Lond.
 Havekin, T., Ph.D. Birm., B.Sc.
 Sp. Lectr.

Asst. Lecturers

Laithwaite, E. R., M.Sc.
 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.

Engineering, v. also Technol.

Matheson, J. A. L., M.B.E., Ph.D.
 Birm., M.Sc.

Beyer Prof. and Dir. of
 Whitworth Labs.

Mason, C. M., T.D., M.Sc.
 Clifton Sr. Lectr. and
 Asst. Dir. of Engin.
 Labs.

Mathieson, R., B.Sc. Lond., Ph.D.
 Glas. Sr. Lectr.

Lecturers

Spooner, J. R., M.Sc. Tech.
 Alderman, J. K., M.Sc.
 O'Sullivan, J. K., M.Sc.
 Edmunds, H. G., B.Sc. Lond.,
 Ph.D. Camb.
 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.

English Language and Lit.

Charlton, H. B., C.B.E., M.A.,
 Litt.D. Leeds, Dr. de Dijon.
 M.A. (E. Lit.) Taylor Prof.
 Brook, G. L., B.A., Ph.D. Leeds,
 M.A.
 (E. Lang and Mediæv. E.
 Lit.) Smith Prof.

Wright, J. D., M.A.
 (E. Lit.) Sr. Lectr.
 Jump, J. D., M.A. Liv. (E. Lit.)
 Sr. Lectr.

Harmer, Florence E., M.A. Camb.,
 B.A. Lond. Sr. Lectr.

Lecturers

Gordon, Mrs. Ida L., B.A., Ph.D.
 Leeds (E. Lang.).

Cox, R. G., M.A., Ph.D. Camb.
(E. Lit.).
Lees, F. N., B.A. (E. Lit.).
Hanson, C., M.A. Sheff. (E. Lit.).
Pollard, A., B.A. Leeds (E. Lit.).
Oliver, Mrs. Annabella M., B.A.
Oxon., M.A. Edin. (E. Lit.)
Sp. Lectr.

Asst. Lecturers

Leslie, R. F., M.A.
Skelton, R., M.A. Leeds.

Fluid Motion

..... Director of Lab.
Attree, V. H., B.Sc. (Eng.) Lond.
Lectr.
Johannesen, N. H., M.Sc., Dr.
techn. Copenhagen
Asst. Lectr.

French Studies

Vinaver, E., M.A., D.Litt. Oxon.,
D. ès L. Paris, M.A. (Fr. Lang.
and Lit.) Prof.
Mansell Jones, P., M.A. Wales and
Camb., B.Litt. Oxon. (Mod.
Fr. Lit.) Prof.
Whitehead, F., M.A., D.Phil.
Oxon. (Old French Lang. and
Lit.) Reader.
Crump, Phyllis E., M.A. Lond.,
M.A. Sr. Lectr.
Marks, J., M.A. Sr. Lectr.

Lecturers

Sutcliffe, F. E., M.A.
Lyons, Marianne F., M.A. Oxon.,
D. de l'U. Paris.
Diverres, A. H., M.A. Wales, L. ès L.
Rennes, D. de l'U. Paris.
Saunders, F. W., M.A.
Young, Margaret L. M., M.A.
St. And., L. ès L. Paris.
Evans, H. G. J., B.A., Ph.D.
Lond.
Monteagle, H., L. ès L., Dip. d'E.S.
Paris (Fr. Hist. and Instns.).
Sfeir, J. C., L. ès L., Dip. d'E.S.
Paris, M.A.
(Fr. Poetry) Sp. Lectr.

Chiari, J., L. ès L., Dip. d'E.S.
Aix-Marseille Sp. Lectr.
Davy, Marie-M., D. ès L. Paris
(Hist. of French Thought)
Sp. Lectr.

Asst. Lecturers

Cannon, Joyce H., B.A.
Gaudon, J. A. M., L. ès L. Paris.
Gwynne, G. E., M.A. Wales.

Geography

..... Prof.
Freeman, T. W., M.A. Leeds and
Dub. (Econ. Geog.) Reader.
Sylvester, Dorothy, M.A. Liv.
Sr. Lectr.
Pye, N., B.A. Lectr.
Rodgers, H. B., M.A. Lectr.

Asst. Lecturers

Mellor, R. E. H., B.A.
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.
Holland, C. H., B.Sc. Asst. Lectr.
Broadhurst, F. M., B.Sc.
Asst. Lectr.

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

Flack, G., B.A. Leeds, Ph.D.
Luke, F. D., M.A., D.Phil. Oxon.

Kerry, S. S., B.A.

Rohl, Mrs. Freda K., B.A. Lond.
Asst. Lecturers Sp. Lectr.

Russell, Zoë L., M.A. Glas.
Wallbank, F. Rosemary E., B.A.
Lond.

Dyer, D. G., M.A., Ph.D. Camb.
Joos, K. L. Asst.

Government and Administration

Mackenzie, W. J. M., M.A. Oxon.,
LL.B. Edin., M.A.

Dean, Fac. of Econ. &
Soc. Studies, Prof.

Lecturers

Spann, R. N., M.A. Oxon. (Govt.).
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.).

Asst. Lecturers

Donnison, D. V., B.A. Oxon. (Soc.
Admin.).

Gray, Kathleen R., B.A. (Soc.
Admin.).

Potter, A. M., M.A. Wesleyan
(American Polit. Institns.).

Hebrew, v. Semitic Studies,
Theol.

Histology, v. Anat., Physiol.,
Pathol.

History, v. also Econ., Theol.

..... (Ancient H.) Prof.

Namier, Sir Lewis B., M.A. Oxon.,
M.A., F.B.A. (Mod. H.) Prof.

Cheney, C. R., M.A. Oxon., M.A.,
F.B.A. (Mediaeval H.)

Dean, Fac. of Arts., Prof.

Redford, A., M.A., Ph.D. (Econ.
H.) Prof.

Willan, T. S., M.A., B.Litt.,
D.Phil. Oxon. Reader.

Stark, W., Dr. rer. pol. Hamburg,
Dr. jur. Prague, M.A. Edin.
(Hist. of Econ. Thought)
Reader.

Senior Lecturers

Dugmore, Rev. C. W., M.A., B.D.
Oxon. (Eccles. H.)

Bishop Fraser Sr. Lectr.
Chaloner, W. H., M.A., Ph.D.
(Mod. Econ. H.).

Henderson, W. O., M.A. Camb.,
Ph.D. Lond. (Internat. Econ.
H.).

Koenigsberger, H. G., M.A., Ph.D.
Camb. (Econ. H.).

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'E.S. Paris (Fr. H. and In-
stitutions).

Beckingham, C. F., M.A. Camb.
(Islamic H.).

Ward, W. R., B.A. 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.).

Horticulture, v. Botany

Italian

..... Prof.
Speight, Kathleen, M.Litt. Camb.,
Dott. Lett. Florence, M.A.

Sr. Lectr.

White, D. M., B.A. Camb.

Asst. Lectr.

Ralphps, Sheila, B.A. Lond.

Asst. Lectr.

Law

Eastwood, R. A., LL.D. (English Law)

Dean, Fac. of L., Prof.

Wortley, B. A., O.B.E., LL.M.
Leeds, LL.D. (Jurisprud. and Internat. L.) Prof.

Cooper, W. Mansfield, LL.M. (Industr. and Commercial L.)

Prof.

Hornby, J. A., M.A., LL.B. Camb.
Lectr. and Tutor for Articled Clerks.

Lecturers

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.

Owen-Jones, Iona A., B.A., LL.B.

Prince, J., LL.B.

Mathematics, v. also Technol.

Newman, M. H. A., M.A. Camb.,
M.Sc., F.R.S.

(Pure M.) Fielden Prof.

Lighthill, M. J., B.A. Camb.

(App. M.) Beyer Prof.

Bartlett, M. S., M.A. Camb., D.Sc.
Lond., M.Sc.

(Mathl. Statistics) Prof.

Mahler, K., Ph.D. Frankfurt-am-Main, D.Sc., F.R.S. (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.).

Lecturers

Illingworth, C. R., B.A. Camb.

Friedlander, F. G., B.A., Ph.D. Camb.

Ledermann, W., D.Sc. Edin.,
Ph.D. St. And.

Higman, G., M.A., D.Phil. Oxon.

Reuter, G. E. H., M.A. Camb.

Stone, A. H., M.A. Camb., Ph.D. Princet.

Wild, E., M.A. Camb.

Levine, S., M.A., Ph.D. Tor.

Jones, D. S., M.B.E., M.A. Oxon.

Pack, D. C., M.A. Oxon., B.A. Camb., D.Sc. St. And.

Walker, A. M., B.A. Camb.
(Mathl. Stats.) Res. Asst.

Asst. Lecturers

Green, J. A., B.Sc. St. And.

Glauert, M. B., 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.

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.

Forbes, R. J., C.B.E., F.R.C.M.
 Hon. Sp. Lectr.
 Dawber, H. M., F.R.C.O.
 Sp. Lectr.
 Aitchison, M., M.A., Mus.B. Camb.
 Lectr.
 Horsfall, B., Mus.B. Durh., Mus.D.
 Asst. Lectr.
 Knowles, C. Asst. Lectr.

Near Eastern 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.

Asst. Lecturers

Alexander, H. G., M.A. Aberd.,
 B.A. Oxon.
 Gilman, E., B.A. Oxon.

Physics, v. also Elect. Engin. and Technol.

Blackett, P. M. S., M.A. Camb.,
 D.Sc. Delhi and R'dg., Dr.
 de Stras., M.Sc., F.R.S.

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.

Sr. Lecturers

Nuttall, J. M., D.Sc., F.I.P.
 Asst. Dir. of Phys. Labs.
 Braddick, H. J. J., B.A., Ph.D.
 Camb.
 Rochester, G. D., M.Sc., Ph.D.
 Durh., F.I.P.

Lecturers

Butler, C. C., B.Sc., Ph.D. R'dg.
 Clegg, J. A., B.Sc., Ph.D.
 Owen, B. G., B.Sc. Wales, Ph.D.
 Elliot, H., M.Sc., Ph.D.
 Newth, J. A., B.A. Camb., B.Sc.
 Lond.
 Ramsey, W. H., B.Sc. Belf., Ph.D.
 Brist.

Wilcock, W. L., B.Sc., Ph.D.
 Davies, J. G., M.A. Camb.
 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

Barker, K. H., B.Sc.
 Little, C. G., B.Sc.
 Millar, D. D., B.Sc. St. And., Ph.D.
 N.U.I.
 Wolfendale, A. W., B.Sc. (Physiol.
 Chem.).

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.
Oleesky, S., M.D. Wash., M.Sc.,
M.B., Ch.B.

Hon. Asst. Lectr.

Bradley, K., M.Sc. (Exp. P.).

Asst. Lectr.

Stanbury, S. W., M.B., Ch.B.
(App. 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.).

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.

Davies, 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., M.A.,
F.B.A. (Hebrew Lang. and
Lit.) Prof.

Fish, T., Ph.D. Camb., M.A.
(Mesopotamian Studies)

Prof.

Robson, Rev. J., M.A., D.Litt.
Glas., D.D. St. And. (Arabic)

Prof.

Weis, P. R., L. en Phil. et Hist. Or.
Louvain, M.A. (Post-Biblical
Jewish Studies) Laski Lectr.

Wallenstein, M., M.A., Ph.D. (Med.
and Mod. Hebrew) Lectr.

Gray, Rev. J., M.A., B.D., Ph.D.
Edin. (Semitic Langs. and
Lits.) Lectr.

Beckingham, C. F., M.A. Camb.
(Islamic Hist.) Lectr.

Abdelmeguid, A. A., B.A. Lond.,
Ph.D. Cairo (Arabic)

Sp. Lectr.

Kensdale, W. E. N., B.A. Oxon.
(S. Arabian Epigr.) Sp. Lectr.

Social Anthropology

Gluckman, H. M., B.A. Rand.,
M.A., D.Phil. Oxon. Prof.

Colson, Florence E., M.A. Minn.,
M.A., Ph.D. Radcliffe

Sr. Lectr.

Social Studies

Polanyi, M., D.Sc. Prin. and
Leeds, M.D., Ph.D. Budapest,

M.Sc., F.R.S. Prof.

Spanish and Portuguese Studies

Rees, J. W., M.A. Oxon., B.A.
Wales Reader.

Meana, L., Ldo en L., Dr. de la
Univ. Madrid Lectr.

Tapp, Mrs. Florence M. M., M.A.
Edin. Lectr.

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.
 Hodcroft, F. W., M.A.
 Asst. Lectr.

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.
 Easton, H. C., T.D., M.A. Oxon.,
 LL.B. (Town Planning Law).
 Turner, R. B., Dip. Arch., Dip.
 T.P. (Archit. for Town Plan-
 ning).
 Johnson, A., M.Sc. Durh.,
 F.R.San.I., F.I.S.E. (Engin.
 for Town Planning).
 Leeming, E. L., M.Sc. Tech. (Sur-
 veying for Town Planning).
 Dix, G. B., B.A., Dip. T.P.
 Asst. Lectr.

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.
 Sewell, Marguerite T., M.Sc.

Demonstrators

Peel, Mrs. Edna D., B.Sc.
 MacGill, Elsie I., M.Sc.
 Richards, Kathleen S., B.Sc.
 Kay, Mrs. Beryl A., B.Sc. Lond.,
 M.Sc. Durh.

Dentistry

Anæsthesia

Dinsdale, T., M.B., Ch.B., D.A.
 Lectr. and Demr.

*Children's Dentistry and Preven-
 tive Dentistry*

Miller, J., M.D.S. Lectr.
 Andrew, Pamela, L.D.S. Demr.

*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

Saunbury, P., M.Sc., L.D.S.
 (Clin. Prosthetics).
 Milne Gall, A. J. (Clin. Prosthetics).
 McIntyre, H., M.B., Ch.B., B.D.S.
 (Clin. Prosthetics).

Asst. Lecturers

Graham, Mrs. Estelle P. M., L.D.S.
 (Prosthetic Lab. Technique).
 Shaw, J. E. V., B.Ch.D. Leeds
 (Clin. Prosthetics).
 Smith, D. C., B.Sc. Lond.

Dental Radiology

Derbyshire, K., L.D.S.
 Clin. Lectr.

Dental Surgery

Radden, H. G., D.D.Sc. Melb.,
 F.D.S.R.C.S.

Cooke, C., L.D.S., F.D.S.R.C.S.
Sr. Clin. Lectr.

Lewis, P. R., B.D.S., L.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.

Demonstrator

Turner, Mrs. Barbara M. A., B.D.S.

Medicine

Luxton, R. W., B.Sc., M.D.
Lectr.

Macartney, D. W., M.D., D.P.H.
Belf. Clin. Lectr.

Operative Dentistry

Holt, J. K., D.D.S. N.-W. Chicago,
M.Sc., L.D.S., F.D.S.R.C.S.
Reader.

Lecturers

Rowbotham, T. C., B.D.S.

Cartledge, D. H., B.D.S.,
F.D.S.R.C.S.

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

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., Dp.Bact.
(D.Bact.) Lectr.

Surgery

Scotson, F. H., M.B., B.S. Lond.,
M.B., Ch.B., F.R.C.S.

Lectr. and Clin. Lectr.

Education

v. also School of Education, *infra*

Adult Education

Waller, R. D., M.B.E., M.A.

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.
Sr. Lectr.

Lecturers

Borthwick, Phyllis M., M.Sc.
Brist., B.Sc. Lond.

Gregory, Alys L., M.A., Ph.D.

Herbert, Mrs. Eleonore L., M.A.

Nesbitt, J. E., M.A. Belf.

Coulthard, Edith M., M.A. Oxon.

Morris, N., M.A. Oxon.

Hollins, T. H. B., M.A. Camb.

Coltham, Mrs. Jeannette B., M.A.
Oxon.

Vail, Olive I., B.A. Lond.

Crossland, R. W., B.Sc.

Gorner, F., M.Sc. Sheff.

Stafford, E., B.Sc. Lond., B.A.
(Admin.).

McGlynn, Mrs. Ida.

Black, E. L., M.A. Camb.

Haworth, Joyce, M.A. Leeds.

Warburton, F. W., B.A. R'dg.,
M.A., Ph.D. Lond. (E.

Psychol.).

Clarke, Mary G., M.A. Camb. and
Dub., LL.D. Aberd.

Sp. Lectr.

Grant, Dorothy M. Sp. Lectr.

Claypole, Mrs. Barbara M. (Speech
Trg.) Asst. Lectr.

Harrison, D. F. (Speech Trg.) Asst.
Middleton, Edith (Gardening)
Instr.

Education of the Deaf

Ewing, A. W. G., M.A. Edin.,
Ph.D.

Ellis Llwyd Jones Prof.
and Dir. of Dept.

Watson, T. J., M.C., M.A., Ph.D.
Edin. Sr. Lectr.

Lecturers

Carlill, Eleanor L., B.A.

Williamson, Marion B., M.A. Glas.

Moseley, Mrs. Nora H.

Jeffrey, W., B.Sc. Edin.

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.

Pinson, K. B., M.B., Ch.B. Birm.,
D.A.

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.
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.

..... Sp. Lectr.

..... Lectr.

Tobin, J. J. W. O'H., M.A., B.M.,
B.Ch. Oxon., Dp.Bact. Lectr.

Perkins, F. T., M.Sc., Ph.D.
(Chem. Bacteriol.) Lectr.

Preston, N. W., M.B., Ch.B.,
Dp.Bact. Asst. Lectr.

..... Demr.

Cardiology, v. Medicine

*Child Health, v. also Obstet. and
Gynæcol.*

Gaisford, W. F., M.D. Lond.,
M.Sc., F.R.C.P. (C.H. and
Pædiatrics)

Prof. and Dir. of Dept.

Lecturers

Holzel, A., M.D. Prague, D.C.H.

Fisher, T. N., M.B., Ch.B., D.P.H.

Guthrie, Mrs. Sylvia K., M.D.

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

Komrower, G. M., M.B., Ch.B.

Patterson, W. H., M.D. Belf.,
D.C.H.

Macaulay, D., B.Sc., M.D. Glas.

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. Director of Rheu-
matism Research
Centre) Reader in
Rheumatic Disease.

Lecturers

Holmes, A. H., M.D., F.R.C.P.

Wilkinson, J. F., M.Sc., M.D.,
Ph.D., F.R.C.P., F.R.I.C.

Ferguson, F. R., M.D., D.P.H.,
F.R.C.P.

Kletts, N., M.B., Ch.B., F.R.C.P.
Brockbank, W., M.A., M.D. Camb.,
F.R.C.P.

Lane, R. E., M.D. Lond., M.Sc.,
F.R.C.P.

Black, D. A. K., B.Sc., M.D. St.
And., 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. (Med.
for Dental Students).

Morgan Jones, A., M.Sc., M.B.,
Ch.B., F.R.C.P. (Cardiology)
Clin. Lectr. and Dep.
Director of Cardiol.
Dept.

Israëls, M. C. G., M.Sc., M.D.,
F.R.C.P. (Hæmatology)
Lectr. and Asst. Director
of Hæmatol. Sub-Dept.

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.

Stratton, F., B.Sc., M.D., D.P.H.
(Human Serology) Sp. Lectr.

Roscoe, Margaret H., B.Sc., Ph.D.
Lond., M.B., Ch.B.

Res. Asst.
Dodwell, Beatrice (Nursing Tech-
nique) Demr.

Neurology

Ferguson, F. R., M.D., D.P.H.,
F.R.C.P. Reader.

Smyth, G. G. E., M.D., F.R.C.P.
(Med. Neurol.) Lectr.

Liversedge, L. A., M.D. Duke,
B.A., B.Sc., M.B., Ch.B.
(Med. Neurol.) Lectr.

Neurology, Experimental

Stopford, Sir John, Sc.D. Dub. and
Camb., D.Sc. Leeds, M.D.,
LL.D., F.R.C.P., F.R.S. Prof.

*Neuro-Surgery, v. Surgery**Obstetrics and Gynaecology, v. also
Child Health*

Morris, W. I. C., M.B., Ch.B. Edin.,
F.R.C.S.Ed., F.R.C.O.G.

Prof. and Dir. of Dept.

Langley, F. A., M.Sc., M.B., Ch.B.
(Special 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

Hartley, J. B. (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.

Woodcock, A. S., M.B., Ch.B.
Leeds (Gynaecol. Pathol.).

Occupational Health

Lane, R. E., M.D. Lond., M.Sc.,
F.R.C.P. Nuffield Prof.

Schilling, R. S. F., M.D., D.P.H.
Lond. Reader.

Lecturers

Goldblatt, M. W., B.Sc., M.D.,
B.A.O. Belf., Ph.D. Lond.

Bedford, T., D.Sc., Ph.D. Lond.

Davis, S. B., M.A., B.M., B.Ch.
Oxon.

Heron, A., 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., M.Sc., Ph.D. Brist.,
M.B., Ch.B. (Biochem.).

Logan, R. F. L., M.D. Belf., D.I.H.
Hon. Lectr.

Goodman, Nancy M., B.Sc. Lond.
Res. Asst.

Sykes, Florence C., M.B.E., D.S.S.
Leeds (Indust. Nurs.) Tutor.

Ophthalmology

Duthie, O. M., M.D., F.R.C.S.

Reader.

Stanworth, A., B.Sc., M.B., Ch.B.
Sheff., D.O.M.S. Lectr.

Smith, J. L. S., B.A., M.B.,
B.Chir. Camb., D.O.M.S.
(Ophthalmic Pathol.)

Asst. Lectr.

Naylor, E. J., M.Sc. Tech., Ph.D.
(Ophthalmic Optics)

Res. Asst.

Otolaryngology, v. Surgery

Pathology and Path. Anat., v.
also Obstetrics and Gynæ-
col., Ophthalmol. and Surg.

Campbell, A. C. P., M.B., Ch.B.
Edin., F.R.C.P.Ed. (Pathol.
and P. Anat.) Procter Prof.

Baker, S. L., Ph.D., D.P.H. Lond.,
M.Sc. (Pathol. Director of
Rheumatism Research Centre)
(Osteo-Pathol.) Prof.

Whitehead, R., D.Sc., M.D.

Reader.

Fairbrother, R. W., D.Sc., M.D.,
F.R.C.P. (Clin. Path.)

Hon. Reader.

Goldberg, 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

Varley, H., M.Sc. (Clin. Path.)

Hon. Lectr.

Pollak, E., M.D. Vienna (Neuro-
Pathol.).

Davson, J., M.B., B.S. Lond.

Hon. Sp. Lectr.

Asst. Lecturers

Jackson, S. H., B.Sc., M.B., Ch.B.

Burne, J. C., M.A., M.B., B.Chir.
Camb.

Yates, P. O., M.B., Ch.B.

Woodcock, A. S., M.B., Ch.B.
Leeds (Gynæcol. Pathol.).

Smith, J. L. S., B.A., M.B., B.Chir.
Camb., D.O.M.S. (Ophthalmic Pathol.).

Demonstrators

Smith, J. P., M.B., Ch.B.

Lodge, Kathleen V., M.B., Ch.B.

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.,
Dp.Bact. (Pharmacy).

Jackson, H., M.Sc., M.B., Ch.B.,
Ph.D. (Exper. and Radiation
Therapeutics) Hon. Lectr.

Asst. Lectrs.

Rawlins, E. A., M.Sc. (Pharmacy).

Carless, J. E., B.Pharm. Lond.,
M.Sc. (Pharmacy).

Hall, J. P. (Pharm.).

Woodhead, H. B., M.Sc. (Pharm.).

Bellis, D. M., B.Sc. (Pharm.).

Kohn, R., B.Sc. (Pharmacol.)

Demr.

Booth, N. H., B.Sc. (Pharm.)

Demr.

Physio-Therapy, v. Medicine

Preventive Medicine, v. Social and Prev. Med.

Psychiatry

Anderson, E. W., M.D. Edin.,
D.P.M., F.R.C.P.

Prof. and Dir. of Dept.

Lecturers

Kitching, E. H., M.D. Leeds,
D.P.M.

Trethowan, W. H., M.A., M.B.,
B.Chir. Camb., D.P.M.

Markowe, M., M.D., D.P.H. Lond.,
D.P.M.

Crowe, P. M., M.B., Ch.B., D.P.M.
(Mental Diseases).

Cormack, G. A., B.Sc., M.B., Ch.B.,
Glas. (Criminal Psychiatry).

Kenna, J. C., M.A. Calif., B.A.
Syd., B.Ed. Melb. (Clin.
Psychol.).

Rose, D. J. (Mental Diseases)

Sp. Lectr.

Wadsworth, W. V., B.Sc., M.B.,
Ch.B., D.P.M. Asst. Lectr.

Young, R. M., M.B., Ch.B.,
Dip.Psych. Edin. (Mental
Diseases) Asst. Lectr.

Tutors (Psychiatric Social
Workers' Course)

Irvine, May, B.A. Liv.

Ledermann, Mrs. Ruth S.

Hamilton, Marian W., B.A. Lond.
and Oxon.

Radiology, v. also Physics

Gray, E. D., M.A., M.D. Aberd.,
D.M.R.E. Camb., F.F.R.

Lectr.

Reid, R. G., M.B., Ch.B., D.M.R.E.
Liv., F.F.R. Asst. Lectr.

Locke, G. B., M.B., Ch.B.

Asst. Lectr.

Radiotherapy

Paterson, J. R. K., C.B.E., M.C.,
M.D. Edin., D.M.R.E. Camb.,

F.R.C.S., F.F.R. Clin. Lectr.

Tod, Margaret C., M.B., Ch.B.
Edin., F.R.C.S.Ed., F.F.R.

Clin. Lectr.

Dobbie, J. L., B.A., D.M.R.E.
Camb., M.B., Ch.B. Edin.,
F.F.R. Asst. Lectr.

Tutors

Easson, E. C., M.B., Ch.B. Glas.

Gibson, J. M. W., B.Sc., M.B.,
Ch.B. Glas.

Millen, J. Ll. E., M.D. Belf.

Rheumatic Disease, v. Medicine
and Pathology

Social and Preventive Medicine

Brockington, C. F., M.A., M.D.,
D.P.H. Camb.

• Prof. and Director of
Dept.

Lecturers

Gawne, S. C., M.D. Lond., D.P.H.
Liv., D.C.H. (Pub. Health
Admin.).

Brown, C. Metcalfe, M.D. Glas.,
D.P.H., F.R.San.I. (Prev.
Med.).

Johnson, A. (v. also *Town and
Country Planning*) (San. En-
gin.).

Surgery

Boyd, A. M., M.B., B.S. Lond.,
M.Sc., F.R.C.S.

Prof. and Dir. of Dept.

..... (Neurological S.) Prof.

..... (Orthop. S.) Prof.

Lambert, V. F., M.D., Ch.M.,
F.R.C.S. (Otolaryngol.)

Prof. and Dir. of Dept.
of Otolaryngol.

Lecturers

Southam, A. H., M.A., M.D.,
M.Ch. Oxon., F.R.C.S.

Sutherland, D. McK., M.D.,
F.R.C.S.

Graham Bryce, A., M.D., D.P.H.,
F.R.C.S.

Newell, R. L., M.D., F.R.C.S.

Holt, R. L., O.B.E., M.D., F.R.C.S.

Simmons, H. T., B.Sc., M.D.,
Ch.M., F.R.C.S.

Nicholson, W. F., M.A., M.D.,
M.Chir. Camb., F.R.C.S.

Jepson, R. P., M.B., Ch.B.,
F.R.C.S.

Newell, R. L., M.D., F.R.C.S.
(Surg. Pathol.).

Griffiths, D. Ll., M.B.E., B.Sc.,
M.B., Ch.B., F.R.C.S. (Surg.
Pathol.).

Scotson, F. H., M.B., B.S. Lond.,
M.B., Ch.B., F.R.C.S. (Surg.
for Dental Students)

Lectr. and Clin. Lectr.

Ratcliffe, A. H., M.A., B.Sc.,
D.Phil. Oxon. (Experimental
Methods) Sp. Lectr.

Tutton, G. K., M.B., Ch.B.,
F.R.C.S. (Neuro-Surg.).

Johnson, R. T., O.B.E., M.A.,
M.B., B.Chir. Camb., F.R.C.S.
(Neuro-Surg.).

Pollak, E. (also *Pathol.*) (Neuro-
Pathol.).

Griffiths, D. Ll., M.B.E., B.Sc.,
M.B., Ch.B., F.R.C.S. (Ortho-
pæd. S.).

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F.R.C.S. (Orthopæd. S.)

Clin. Lectr.

Wright, J. K., B.Sc., M.B., Ch.B.,
F.R.C.S. (Orthopæd. S.).

Brentnall, E. S., M.B., Ch.B.,
F.R.C.S.Ed. (Orthopæd. S.)

Hon. Clin. Lectr.

Sayle-Creer, W., M.B., M.Ch.
Orth. Liv., F.R.C.S. (Ortho-
pæd. S.) Hon. Clin. Lectr.

Lawson, H. P., F.R.C.S.Ed.,
D.L.O. (Otolaryngol.).

Harrison, K., M.B., Ch.B., D.L.O.,
F.R.C.S. (Otolaryngol.).

Young, N. A. J., M.B., Ch.B.,
F.R.C.S.Ed. (Dis. of Ear,
Nose and Throat).

Wilson, D. S. P., M.A., M.B.,
M.Ch., B.A.O. Dub., F.R.C.S.,
F.R.C.S.I. (Urological S.).

Bloor, K., M.B., Ch.B. Res. Asst.

Surgical Pathology, v. Surgery

Tuberculosis

Trayer, H. G., B.A., M.B., B.Ch.,
B.A.O. Dub., D.P.H.

Clin. Instr.

Venereal Diseases

[Lectr.

Lees, R., M.D. Edin., F.R.C.P.Ed.

Clin. Instructors

Mumford, P. B., M.D., F.R.C.P.

Davey, A. C. C., M.B., Ch.B.

Technology

..... Principal of the College of
Technology and Dean
of the Faculty.

Building Construction

McKay, W. B., M.Sc. Tech.

Hd. of Dept. and Dir. of
Labs.

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Wilson, A. V., M.Sc. Tech.

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Dilworth, R.

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Garrett, C. H., B.Sc. Tech.

Stirrup, N.

Barnes, V. C.

Boucher, C. T. G., M.Sc. Tech.

Thomas, N. (Structl. Eng.).

Morris, W., B.Sc. (Eng.) Lond.

McMinn, S. J., M.Eng. Liv.

Harwood, T. A. (Quant. Survey-
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McBeath, J. G., F.R.I.B.A.

Asst. Lecturers

Sp. Lectr.

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Bolton, A., M.Sc. Tech. (Structl.
Eng.).

Chemistry, Applied

Rydon, H. N., Ph.D., D.Sc. Lond.,
D.Phil. Oxon., F.R.I.C., D.I.C.
(Chem.)

Prof. and Dir. of Labs.

Walker, T. K., D.Sc., Ph.D.,
F.R.I.C. (Fermentation Pro-
cesses) Reader.

Sr. Lecturers

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Camb., Wales and Zür.,
D.Sc., F.R.I.C.

Neale, S. M., M.Sc. Liv., D.Sc.
(Phys. Chem.).

Baddeley, G., M.Sc., Ph.D. Sheff.,
D.Sc., F.R.I.C. (Org. C.).

Lecturers

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(Metall. and Assaying).

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(Chem. Eng.).

Burawoy, A., D.Phil. Leipzig (Col.
Matters).

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M.A., Ph.D. Camb., F.R.I.C.
(Phys. Chem.).

Tickle, W. H. F., M.Sc. Lond.,
B.Sc. Glas. (Chem. Eng.).

Spooner, C. E., M.Sc. Tech. Sheff.,
F.R.I.C. (Fuel Technol.).

Cardwell, D., M.Sc., B.Com.,
F.R.I.C. Sp. Lectr.

Asst. Lecturers

Hancock, A., M.Sc. Tech., F.R.I.C.

Holt, G., M.Sc. Tech., Ph.D.

Hall, A. N., M.Sc. Tech.

Chamberlain, J. T., M.Sc. Tech.

Graddon, D. P., M.Sc. Tech., Ph.D.

Bullock, G., B.Sc. Durh., M.Sc.
Tech. (Metall.).

Quinton, J. H., M.Sc. Tech. (Chem.
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Oxon. (Phys. C.).

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Turner, C., M.Sc. Tech.

Chadwick, J., M.Sc. Tech.

Gordon, M., M.Sc. Tech.

Spinner, E., M.Sc. Tech.

Williamson, G. R., M.Sc. Tech.

Smith, N. H. P., M.Sc. Tech.

Thompson, A. R., B.Sc. Tech.
 Abson, J. W., M.Sc. Tech.
 Crowder, M. M., B.Sc. Tech.
 Hardcastle, D., B.Sc. Tech.
 Jackson, C. P., B.Sc. Tech.
 Knowles, M., B.Sc. Tech.
 White, R. F., B.Sc. Tech.
 Hall, H. T., B.Sc. Tech. (Metall.).

Chemistry, Textile

.....

Hd. of Dept., Dir. of Labs.
 Barkas, W. W., D.Sc. Lond., B.Sc.,
 F.I.P. (Papermaking Tech-
 nol.) Reader.
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 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

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 Faichney, P. (Paper Manuf.).

Engineering, Electrical

Bradshaw, E., M.B.E., Ph.D.
 Glas., M.Sc. Tech. (High
 Voltage Eng.)
 Prof. and Dir. of Labs.
 Glynne, A., M.A. Camb. (Elect.
 Measurements) Sr. Lectr.

Lecturers

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 Tremlett, L., M.Sc. Tech.
 Hancock, N. N., B.Sc. (Eng.)
 Lond., M.Sc. Tech.
 Willis, J., B.Sc. (Eng.) Lond.

Asst. Lecturers

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 Jackson, W. D., B.Sc. Glas.

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.

Asst. Lecturers

Parker, J., B.Sc. Tech.
 Royle, J. K., B.Sc. Tech.
 Kettlewell, J., B.Sc.
 Johnson, K. L., M.Sc. Tech.
 Heginbotham, W. B., 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.
 Williman, A., B.Sc. (Eng.) Lond.
 Tait, G. B., B.Sc. Edin.
 Spencer, E., B.Sc. Tech.
 Asst. Lectr.

Industrial Administration

Roberts, A., M.Com., Ph.D.,
 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., B.A. Oxon.
 Wright, J. W., B.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

Tibbs, S. R., Ph.D. Brist., M.Sc.

Shenton, L. R., Ph.D. Edin., B.Sc.

Asst. Lecturers

Fagg, S. V., B.Sc. Lond., D.I.C.

Butler, R., M.Sc.

Helliwell, J. B., B.Sc., Ph.D.

Leeds.

Hogg, H. E., M.A. Camb.

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. Lond.

Fowweather, F., B.Sc., Ph.D.

Taylor, C. A., B.Sc. Lond., Ph.D.

Asst. Lectr.

Textile Industries

Morton, W. E., M.Sc. Tech., F.T.I.

Prof. and Dir. of Labs.

Meredith, R., M.Sc. Sr. Lectr.

Lecturers

Chirnside, J. (Textile Design).

Taylor, J. S., M.Sc. Tech. (Spin-
ning).

Essam, J. M., M.Sc. Tech., F.T.I.
(Weaving).

Walker, P. H., B.Sc. (Eng.) Lond.,
Ph.D. (Textile Engin.).

Asst. Lecturers

Latham, A. M., M.Sc. Tech.

Brunnschweiler, D., B.Sc. Tech.

Hearle, J. W. S., B.A. Camb.

Duxbury, V., B.Sc. Tech.

Theology

Biblical Criticism and Exegesis

Manson, Rev. T. W., M.A. Camb.,

D.Litt. Glas., D.D. Glas.,

Durh. and Camb., Dr. de

Stras., M.A., F.B.A.

Dean, Fac. of Theol.,

Rylands Prof.

Lecturers

Farr, Rev. G., M.A., B.D. (O.T.).

Meecham, Rev. H. G., B.A. Lond.,

M.A., D.D., Ph.D. (N.T.).

Christian Ethics

Preston, Rev. R. H., B.Sc. (Econ.)

Lond., M.A. Oxon. Sp. Lectr.

Comparative Religion

Brandon, Rev. S. G. F., M.A.,

D.D. Leeds Prof.

Ecclesiastical History

Dugmore, Rev. C. W., M.A., B.D.

Oxon.

Bishop Fraser Sr. Lectr.

Robinson, Rev. W. G., M.A. Oxon.,

B.A. Liv., B.D., Ph.D. Lectr.

Flitcroft, Rev. J., M.A. Lectr.

Hellenistic Greek

Zuntz, G., Dr.phil. Marburg

Sr. Lectr.

History of Doctrine

Lecturers

Hassall, Rev. H., M.C., B.A.

Holt, Rev. R. V., M.A., B.Litt.

Oxon.

Phillips, Rev. G., M.A. Oxon., B.D.

Dykes, Rev. K. C., M.A., B.D.

Scott, Rev. P., B.D. Lond.,

D.Theol. Marburg.

Philosophy of Religion

MacIntyre, A. C., B.A. Lond.,

M.A. Asst. Lectr.

Semitic Studies

Rowley, Rev. H. H., M.A. Brist.,

B.Litt. Oxon., D.D. Lond.,

Durh. and Wales, Theol.D.

Uppsala, LL.D. McM., M.A.,

F.B.A. (Hebrew Lang. and

Lit.) Prof.

Weis, P. R., L. en Phil. et Hist. Or.
Louvain, M.A. (Post-Biblical
Jewish Studies) Laski Lectr.
Wallenstein, M., M.A., Ph.D. (Med.
and Mod. Hebrew) Lectr.
Gray, Rev. J., M.A., B.D., Ph.D.
Edin. (Semitic Langs. and
Lits.) Lectr.

School of Education

Myers, Sir J. E., O.B.E., D.Sc.
Director.

Lecturers

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Lond., Ph.D. R'dg. (Child
Psych.).
Holmes, J. M., Dip. Fine Art
Lond.
Hoole, Mary W., B.A. Lond.
Cahill, Kathleen M., M.A. N.U.I.
Hogan, Margaret, B.A. Lond.
Winstanley, Gertrude M.
Hughes, Gwen E., M.A. Camb.
Langford-Jones, Winifred.
Martin, Joyce, B.A. Lond.
Philbert, Rev. Bro., B.Sc. N.U.I.
Augustine, Rev. Bro., M.A. Camb.
White, O., B.Litt. Oxon., M.A.
(Com.), M.Ed.
Wrigley, Mrs. Hilda M., M.A.
Camb.
Body, A. H., O.B.E., B.A. Lond.,
M.Ed.
Preedy, Lucy G., M.A. Brist.

Hoskins, Ianthe H., M.A. Lond.
van Straubenzee, Joyce H.
Doyle, Phyllis, M.A. Lond.
Whitfield, Elsie, M.Sc. Leeds,
M.Ed. Durh.
Haigh, Shirley S., B.Sc. Lond.
Hudson, Jessie, M.A. Liv.
Gregory, D. J., M.A. Camb.
Myres, C. J. H., B.A. Liv.
Lectures in the School will also
be given by the Profs. and
Lectrs. in the Depts. consti-
tuting the Fac. of Education
(v. *supra*).

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Deputy Director—W. E. Styler,
M.A. Birm.
Senior Staff Tutor—H. C. Sher-
wood, M.A. Birm.
Staff Tutors—O. Ashmore, M.A.
Camb. ; F. W. Bealey, B.Sc.
(Econ.) Lond. ; F. W. Chand-
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B.A. ; R. M. Grant, B.A.
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Oxon. ; I. W. Hughes, LL.B.
Wales ; D. C. Jones, M.A.
Wales ; J. C. L. Malpass ;
Barbara M. Moor, Mus.B. ;
R. Ruddock, B.Sc. (Econ.)
Lond. ; A. Wilson, M.A. Glas.

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Warden for Women Students in lodgings : Muriel M. Brown, B.A. R'dg.

ASSISTANT TO THE VICE-CHANCELLOR. G. N. Burkhardt, M.Sc., Ph.D.,
F.R.I.C.

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B.A. Oxon., E. E. Temple, B.A. Birm., A. M. Currie, B.A. Wales ; Officer for
Men Students in lodgings : H. Swales-Smith ; Personal Asst. : Norah M.
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FACULTY OF ECONOMIC AND SOCIAL STUDIES. Sec. : Helen M. Hall, B.A. (Admin.).

FACULTY OF EDUCATION. Clerk : T. W. Owen ; Admin. Asst. : L. Ball, M.A.

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ASSOCIATED COLLEGES

The COLLEGE OF TECHNOLOGY,* Sackville St., Manchester, 1 (*Telephone* : Manchester, Central 3624), became connected with the Univ. of Manchester in 1905 in the Fac. of Techn., the greater part of the work of which is conducted in the College, whose Principal is Dean. From Oct. 1934 recognized for B.Sc. (Eng.) degree for external students, London Univ. Principal : ; Registrar : T. W. Harwood, M.A.

Recognized for External Lectures in Theology : MANCHESTER BAPTIST COLLEGE, Brighton Grove, Rusholme, Manchester, 14 (*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 Interm. standard for B.Sc. and B.Sc. Tech. : the HARRIS INSTITUTE, Preston, Lancs. (*Telephone* : Preston 4016).

For third year of B.Sc. Tech. course in Metal Mining (at present discontinued) : the CAMBORNE SCHOOL OF METALLIFEROUS MINING, Camborne, Cornwall (*Telephone* : Camborne 2167).

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

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 $\frac{1}{2}$ mile distant, adjoining principal hospitals. The main athletic ground (30 acres) is at Fallowfield, about $1\frac{1}{2}$ 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, 1951). Total income £1,190,100: Treasury grants, 67.9 per cent.; Fees, 14.3 per cent.; other Govt. depts., 5.9 per cent.; Endowments, 5.7 per cent.; Local authorities, 2.8 per cent.; Donations, etc., 2.4 per cent.; other items, 1 per cent..

LIBRARIES. The main library (over 363,000 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 95,500 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 250 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 ; Manchester Ear Hospital for Diseases of the Ear, Nose, and Throat ; Christie Hospital and Holt Radium Institute ; Tuberculosis Centre ; Manchester Northern 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 : G. I. Jolles) : Observations are taken twice daily and form the basis for reports to the Meteorological Office in London and to the Registrar-General and local health authorities.

FACULTIES, DEANS AND TUTORS. (1) Arts [including School of Architecture], *Dean* : Prof. C. R. Cheney (Med. Hist.), *Tutor* : J. Marks (French) ; (2) Science, *Dean* : Dr. C. Campbell (Chem.), *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. D. A. K. Black (Medicine), *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. T. W. Manson (Bibl. Crit. and Exeg.) ; (8) Technology, *Dean* : ; (9) Education, *Dean* : Prof. R. D. Waller (Adult Educn.).

ADMISSION. See Appendix I.

DEGREE COURSES. 3 yrs. (graduates of other approved Univs., 2 yrs.)—B.A., B.A. (Theol.), B.Sc., LL.B., Mus.B., B.A. (Econ.), B.A. (Com.), B.A. (Admin.), B.D. (after Interim. courses in Arts), B.Sc. Tech. ; 4 yrs.—B.A. (Hons. in Mod. Langs.—two langs.) ; 5 yrs.—B.A. (Hons. in Archit. and Town and Country Planning) ; 5 yrs. and 1 term—B.D.S. ; 6 yrs.—M.B., Ch.B. The B.A. (Com.) and B.A. (Admin.) courses can be completed by attendance on evening lectures during not less than 4 sessions.

The B.A. degree may be awarded with Honours in Combined Subjects (v. p. 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.A. (Com.), M.A. (Admin.), M.Sc. Tech.; 2 yrs.—LL.M. (1 yr. for persons who graduated LL.B. with Honours in the Univ.), M.D., D.D.S., M.Ed.; 4 yrs.—D.Sc., LL.D., Mus.D., D.D.; 5 yrs.—Ch.M. Open to Masters or Doctors of Philosophy of the Univ. only: Litt.D.

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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, Teachers'—1 yr. postgraduate; Educational Psychol., 1 yr., approved teachers; D.P.H., 1 yr., for registered practitioners; D.P.M., 8 terms, for registered practitioners; L.D.S., 4 yrs. and 1 term; Architecture, 5 yrs.; Town and Country Planning, (a) 5 yrs.' full-time course, (b) 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.

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Carter (W.R.A.C.). (c) University Air Squadron, R.A.F., Commanding Officer : S./Ldr. J. C. Button, D.S.O., D.F.C.

STUDENT HEALTH SERVICE. 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.), 5s. and 3s. ; *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 (Chairman : Prof. H. B. Charlton, C.B.E., M.A., Litt.D. Leeds, Dr. de Dijon, M.A. ; Sec. : T. L. Jones, B.A. Oxon.). 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 1950-51

The year marked the centenary of the foundation of Owens Coll. : the occasion was celebrated during the week ending June 2, and particularly by the visit of H.M. the Queen Mother on May 31, when the honorary degree of Doctor of Laws was conferred upon her.

BENEFACTIONS. Rockefeller Foundation, £30,714 to assist in development of experimental Health Centre jointly by the Univ., the city and the Nuffield and Rockefeller Foundations, £7500 for expansion of res. in Econ. and in Govt., \$7000 towards cost of books for dept. of American Studies ; D.S.I.R., £1350 p.a. for 3 yrs. towards res. on thermodynamic properties of some binary hydrocarbon mixtures ; Glaxo Laboratories Ltd., £3000 p.a. for 2 yrs. for res. in Org. Chem. ; Medical Research Council, £1050 for Dept. of Educn. of Deaf ; from Nuffield Foundation £500 p.a. for 5 yrs. for res. project in exper. neurol. in Anat. dept. ; anon. donor, £10,000 ; anon. donor, £1500, for establishment of award for travel in Greece ; Nahums Union Mills, £1000 towards provision of tennis courts.

NEW BUILDINGS, ETC. New lab. for Chem. Dept. (Arthur Lapworth lab.), bldg. to house electronic computing machine, and pavilion and groundsman's cottage on new athletic ground at Wythenshawe, were completed. Nos. 316-324 Oxford Road purchased and adapted for use by Univ. Press, Appts. Bd. and Student Health Service. Work continued on erection of Clinical Sciences Bldg., a bldg. in Coupland St. to house Archit. Dept. and a bldg. to house Electr. Engin. Dept. Work started on extension to one wing of Arts bldg.

NEW POSTS. Prof. of Modern French Lit.; Prof. of Astron.; Prof. of Radio-Astron.; Reader in Hist. of Econ. Thought; Sr. Lectr. in Econ. Hist.

PRINCIPAL CHANGES IN REGULATIONS. Institution of classes in Swedish and Portuguese of Intermediate grade which may be offered as part of the courses leading to the Ordinary degree of B.A. Provision for granting exemptions in Physics and/or Chemistry of the 1st M.B., Ch.B. and 1st B.D.S. examns. on results of G.C.E. examn. Provision for award of Ordinary degree of Mus.B. with distinction. Institution of postgraduate dipls. in Social Anthropol. and in Soc. Admin., the latter in place of the Dip. in Soc. Study, which was open to non-graduates. Offer of cert. in Hort. was discontinued.

ADULT EDUCATION WORK. Work carried out by Extra-Mural dept. included provision, in conjunction with the W.E.A., of 57 Tutorial classes, 76 Sessional classes and 18 shorter courses. 67 extension courses given, 51 single public lectures and 48 lectures in secondary schools. Residential college at Holly Royde filled throughout the year with students on various courses; 174 students attended summer school at Bangor in July and August.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. W. Matthews, Calif., during Lent and Summer terms, in exchange with Prof. Brook; Prof. W. W. Moss, William and Mary Coll., under Fulbright scheme; Prof. W. Gellhorn, Col., Simon Visiting Prof.; Prof. Paul Renucci, Stras., under exchange scheme with that Univ.; Prof. I. A. Richmond, Durh., the Mond Lecture; Prof. J. Beaufret, Paris, the Bretey Memorial Lecture.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Bartlett, Brussels and Louvain; Prof. Charlton and F. N. Lees, Stras.; Prof. Emmet, Stanton Lectures, Camb.; Prof. Evans, Paris, also Reilly Lectures, Notre-Dame Univ.; Prof. Wardlaw, Prather Lectures, Harv.

RETIREMENTS. Prof. D. Atkinson (Anc. Hist.); Prof. Sir G. Jefferson (Neurol. Surg.); Prof. T. H. Pear (Psychol.); Prof. Sir H. Platt (Orthop. Surg.); E. Houghton (Dent. Surg.); Elizabeth C. Byrd and G. Whitehead (Venereal Dis.); F. Scholefield (Textile Chem.).

RESIGNATIONS. Prof. W. J. Pugh (Geol.), apptd. Dir. of Geol. Survey of Great Britain and of the Museum of Practical Geol.; Prof. F. C. Wilkinson (Dent. Surg.), apptd. Dir. of Eastman Dent. Hosp. and Dean of Inst. of Dent. Surg.; J. A. Davison (Greek and Latin), apptd. to Chair of Greek, Leeds U.; Dr. A. G. Evans (Chem.), apptd. Prof. of Chem., U.C., Cardiff; Dr. A. G. Lehmann (French), apptd. to Chair of French, Rd'g. U.; Dr. O. Skutsch (Latin), apptd. Prof. of Latin at Univ. C., Lond. U.; Dr. R. J. S. Tickle (Clin. Dent. Surg. and Operative Technique), apptd. Prof. of Dent. Surg. in Malaya U.; G. N. Ward (Maths.), apptd. Prof. of Maths., Coll. of Aerodynamics, Cranfield; Olive B. Schill and K. A. Bayley (Appts. Bd.).

DEATHS. Prof. F. H. Smith (Comparative Religion and Philos. of Religion since 1946); Dr. H. P. Koch (Chem.); P. G. McEvedy (Surg.); J. Wrigley (Industrial Admin.); M. C. Hood (Psychiatry); A. Swaffer (Bot. and Zool.);

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Carter (W.R.A.C.). (c) University Air Squadron, R.A.F., Commanding Officer : S./Ldr. J. C. Button, D.S.O., D.F.C.

STUDENT HEALTH SERVICE. 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.), 5s. and 3s. ; *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. Piddes ; Manchester, Univ. Press, 1937. "Portrait of a University," by H. B. Charlton ; Manchester, Univ. Press, 1951.

UNIVERSITY PRESS, 316-324 Oxford Road, Manchester, 13 (Chairman : Prof. H. B. Charlton, C.B.E., M.A., Litt.D. Leeds, Dr. de Dijon, M.A. ; Sec. : T. L. Jones, B.A. Oxon.). 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 1950-51

The year marked the centenary of the foundation of Owens Coll. : the occasion was celebrated during the week ending June 2, and particularly by the visit of H.M. the Queen Mother on May 31, when the honorary degree of Doctor of Laws was conferred upon her.

BENEFACTIONS. Rockefeller Foundation, £30,714 to assist in development of experimental Health Centre jointly by the Univ., the city and the Nuffield and Rockefeller Foundations, £7500 for expansion of res. in Econ. and in Govt., \$7000 towards cost of books for dept. of American Studies ; D.S.I.R., £1350 p.a. for 3 yrs. towards res. on thermodynamic properties of some binary hydrocarbon mixtures ; Glaxo Laboratories Ltd., £3000 p.a. for 2 yrs. for res. in Org. Chem. ; Medical Research Council, £1050 for Dept. of Educn. of Deaf ; from Nuffield Foundation £500 p.a. for 5 yrs. for res. project in exper. neurol. in Anat. dept. ; anon. donor, £10,000 ; anon. donor, £1500, for establishment of award for travel in Greece ; Nahums Union Mills, £1000 towards provision of tennis courts.

NEW BUILDINGS, ETC. New lab. for Chem. Dept. (Arthur Lapworth lab.), bldg. to house electronic computing machine, and pavilion and groundsman's cottage on new athletic ground at Wythenshawe, were completed. Nos. 316-324 Oxford Road purchased and adapted for use by Univ. Press, Appts. Bd. and Student Health Service. Work continued on erection of Clinical Sciences Bldg., a bldg. in Coupland St. to house Archit. Dept. and a bldg. to house Electr. Engin. Dept. Work started on extension to one wing of Arts bldg.

NEW POSTS. Prof. of Modern French Lit.; Prof. of Astron.; Prof. of Radio-Astron.; Reader in Hist. of Econ. Thought; Sr. Lectr. in Econ. Hist.

PRINCIPAL CHANGES IN REGULATIONS. Institution of classes in Swedish and Portuguese of Intermediate grade which may be offered as part of the courses leading to the Ordinary degree of B.A. Provision for granting exemptions in Physics and/or Chemistry of the 1st M.B., Ch.B. and 1st B.D.S. examns. on results of G.C.E. examn. Provision for award of Ordinary degree of Mus.B. with distinction. Institution of postgraduate dipls. in Social Anthropol. and in Soc. Admin., the latter in place of the Dip. in Soc. Study, which was open to non-graduates. Offer of cert. in Hort. was discontinued.

ADULT EDUCATION WORK. Work carried out by Extra-Mural dept. included provision, in conjunction with the W.E.A., of 57 Tutorial classes, 76 Sessional classes and 18 shorter courses. 67 extension courses given, 51 single public lectures and 48 lectures in secondary schools. Residential college at Holly Royde filled throughout the year with students on various courses; 174 students attended summer school at Bangor in July and August.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. W. Matthews, Calif., during Lent and Summer terms, in exchange with Prof. Brook; Prof. W. W. Moss, William and Mary Coll., under Fulbright scheme; Prof. W. Gellhorn, Col., Simon Visiting Prof.; Prof. Paul Renucci, Stras., under exchange scheme with that Univ.; Prof. I. A. Richmond, Durh., the Mond Lecture; Prof. J. Beaufret, Paris, the Bretey Memorial Lecture.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Bartlett, Brussels and Louvain; Prof. Charlton and F. N. Lees, Stras.; Prof. Emmet, Stanton Lectures, Camb.; Prof. Evans, Paris, also Reilly Lectures, Notre-Dame Univ.; Prof. Wardlaw, Prather Lectures, Harv.

RETIREMENTS. Prof. D. Atkinson (Anc. Hist.); Prof. Sir G. Jefferson (Neurol. Surg.); Prof. T. H. Pear (Psychol.); Prof. Sir H. Platt (Orthop. Surg.); E. Houghton (Dent. Surg.); Elizabeth C. Byrd and G. Whitehead (Venereal Dis.); F. Scholefield (Textile Chem.).

RESIGNATIONS. Prof. W. J. Pugh (Geol.), apptd. Dir. of Geol. Survey of Great Britain and of the Museum of Practical Geol.; Prof. F. C. Wilkinson (Dent. Surg.), apptd. Dir. of Eastman Dent. Hosp. and Dean of Inst. of Dent. Surg.; J. A. Davison (Greek and Latin), apptd. to Chair of Greek, Leeds U.; Dr. A. G. Evans (Chem.), apptd. Prof. of Chem., U.C., Cardiff; Dr. A. G. Lehmann (French), apptd. to Chair of French, Rd'g. U.; Dr. O. Skutsch (Latin), apptd. Prof. of Latin at Univ. C., Lond. U.; Dr. R. J. S. Tickle (Clin. Dent. Surg. and Operative Technique), apptd. Prof. of Dent. Surg. in Malaya U.; G. N. Ward (Maths.), apptd. Prof. of Maths., Coll. of Aerodynamics, Cranfield; Olive B. Schill and K. A. Bayley (Appts. Bd.).

DEATHS. Prof. F. H. Smith (Comparative Religion and Philos. of Religion since 1946); Dr. H. P. Koch (Chem.); P. G. McEvedy (Surg.); J. Wrigley (Industrial Admin.); M. C. Hood (Psychiatry); A. Swaffer (Bot. and Zool.);

Prof. E. A. Milne (formerly Appld. Maths.); H. P. Turner (formerly Extra-Mural Studies); E. E. Hughes (formerly Oper. Surg.); C. Gandy (formerly Law); F. E. Drury (formerly Bldg. Constn.); Emeritus Prof. A. Ramsbottom (formerly Clin. Med.); A. McCulloch (formerly Fuels); Sir S. J. Chapman (formerly Pol. Econ.); H. W. Norman (formerly Oper. Dent.); Emeritus Prof. J. W. H. Atkins (formerly Engl.).

HONORARY DEGREES. *LL.D.*—H.M. the Queen (the Queen Mother); C. R. Morris, Vice-Chancellor, Leeds U.; J. F. Mountford, Vice-Chancellor Liv. U.; Sir John Stopford, Vice-Chancellor. *Litt.D.*—Rt. Hon. the Earl of Crawford and Balcarres; Emeritus Prof. Mildred K. Pope. *M.A.*—N. Cocker, Organist and Master of the Choir of Manchester Cathedral; Mrs. Katharine M. Fletcher, Lancashire County Alderman and member of N.W. District of W.E.A.; H. Patten, Alderman of Stockport; W. E. Peake, Head Master, Ardwick Central School.

STUDENTS. (Incl. Fac. of Technology.)

	<i>Part-Time</i>	<i>Full-Time</i>
Men	617	3951
Women	128	1112
Total	745	5063

Included in the above are 868 postgraduate students (men : pt.-time, 221 ; full-time, 492 ; women : pt.-time, 27 ; full-time, 128) and 1541 new admissions (men, 1169 ; women, 372).

DEGREES AWARDED. *Arts*: B.A., 345 ; B.A. (Theol.), 12 ; M.A., 38. *Economic and Social Studies*: B.A. (Econ.), 20 ; B.A. (Admin.), 59 ; B.A. (Com.), 51 ; M.A. (Econ.), 1 ; M.A. (Admin.), 4 ; M.A. (Com.), 1. *Education*: M.Ed., 5. *Law*: LL.B., 40 ; LL.M., 3. *Medicine*: M.B., Ch.B., 81 ; B.D.S., 9 ; M.D.S., 2 ; M.D., 11. *Music*: Mus.B., 5. *Science*: B.Sc., 357 ; M.Sc., 46 ; D.Sc., 4. *Technology*: B.Sc. Tech., 212 ; M.Sc. Tech., 26. *Theology*: B.D., 3. Ph.D., 50.

DIPLOMAS AND CERTIFICATES AWARDED. *Diplomas*: Archit., 25 ; Bacteriol., 8 ; Educnl. Psychol., 7 ; L.D.S., 26 ; Psychol. Med., 7 ; Soc. Study, 4 ; Teachers', 163 ; Town and Country Planning, 16. *Certificates*: Biblical Knowledge, 8 ; Hort., 6 ; Indust. Admin., 6 ; Psychiatric Soc. Workers, 6 ; Teachers', 12 ; Teachers of the Deaf, 52 ; Theol., 7 ; Town and Country Planning, 16.

UNIVERSITY OF NOTTINGHAM*

Founded 1948

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Telephone: Beeston 54265.

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DEPUTY VICE-CHANCELLOR—ROBERT PEERS, O.B.E., M.C., M.A. Liv., J.P.

TREASURER—The Right Hon. LORD BELPER, D.L.

REGISTRAR—H. PICKBOURNE, B.A. Lond.

LIBRARIAN—G. ELLIS FLACK, M.A. Camb.

TEACHING STAFF

Agriculture, etc., v. *infra*

Botany, v. also *Agric.*

Chesters, C. G. C., B.Sc. Glas.,
M.Sc., Ph.D. Birm., F.L.S.

Prof.

Holden, H. S., D.Sc. Manc., F.L.S.
(Palæobot.) Hon. Reader.

Lecturers

Bexon, Dorothy, M.Sc. Lond.,
F.L.S.

Turner, Mrs. Myfanwy, M.Sc.
Wales, F.L.S.

Weatherley, P. E., M.A., D.Phil.
Oxon.

Richardson, Mabel M., B.Sc.,
Ph.D. Durh.

Assistant Lecturer

Noel, A. R. A., B.Sc. Lond.
4 Demrs.

Chemistry

King, F. E., M.A., D.Phil., D.Sc.
Oxon., Ph.D. Lond.

Sir Jesse Boot Prof.

Addison, C. C., D.Sc., Ph.D. Durh.,
F.R.I.C., F.I.P. (Inorg. C.)

Reader.

Laxton, F. C., T.D., B.Sc. Lond.
Sr. Lectr.

Lecturers

Shaw, B. D., M.M., T.D., B.Sc.,
Ph.D. Lond.

Roberts, J. C., B.Pharm., B.Sc.,
Ph.D. Lond.

Jordan, D. O., M.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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Mathieson, A. R., M.Sc. Durh.,
Ph.D.

Wallwork, S. C., M.A., D.Phil.
Oxon.

Assistant Lecturers

Latham, K. G., B.Sc. Lond.

Booth, H., M.A. Camb.

Forbes, W. F., B.Sc., Ph.D. Lond.

5 Demrs.

Classics

Thompson, E. A., M.A., B.Litt.
Dub. Prof.

Lecturers

Whittaker, Molly, M.A., M.Litt.
Camb., B.D. Lond.

Chalmers, W. R., M.A. Edin.

Mattingly, H. B., B.A. Camb.

Watson, G. R., M.A. Durh.

Dairying, v. *infra*, p. 388

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.

Woodruff, W., M.A. Oxon.

James, S. F., B.A. Camb.

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Ashton, R., B.A. Lond.

Mitchell, Joan E., M.A. Oxon.

Education

Haycocks, N., M.A. Manc.

Dean, Fac. of E., Prof.

Lecturers

Sumner, W. L., B.Sc. Lond., F.L.S.

Stewart, A. H., B.A. Lond.

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Gopsill, G. H., M.A. Birm.

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Peattie, K. R., B.Sc. Glas.

Markland, E., B.Sc. Manc.

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F.R.Met.S. Prof.

Lecturers

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Alexander, W., M.Sc. Lond.
(Industr. Electronics).

.....

Parry, J. V., M.Eng. Liv.

Asst. Lectr.

Engineering, Mechanical

Pope, J. A., B.Sc. (Eng.) Lond.,
Ph.D., D.Sc. Belf. Prof.

Lecturers

Dickson, J. M., T.D., B.Sc. Lond.
(App. Thermodynamics).

Lloyd, H. K. M., B.Sc. Wales,
Ph.D. Sheff. (Metall.).

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Taylor, D. B. C., M.Sc., Ph.D.
Belf.

Mann, J., M.Sc. Leeds.

Fessler, H., B.Sc. (Eng.) Lond.

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Oxon., F.R.S.L. Prof.

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Sheff.

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l'U. Paris
Dean, Fac. of Arts, Prof.

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Prof.

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Rawstron, E. M., B.A. Lond.

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King, Miss Cuchlaine A. M., M.A.,
Ph.D. Camb. Asst. Lectr.

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1 Demr.

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Lond., F.L.S., F.G.S. Prof.

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F.G.S. (Petrol.) Hon. Reader.

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Black, W. W., B.Sc., Ph.D. Leeds,
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F.G.S.

Gill, W. D., D.Sc. Leeds, F.G.S.

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Honeyman, A. M., B.Sc. Glas.

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Lond.

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Schweizer, W. R., Ph.D. Berne

Lectr.

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Horticulture, v. infra

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Roberts, A., M.Sc. Durh.
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(Min.).

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Lectr.
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Studies and Hd. of
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Manc.
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Lond.
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Hugo, W. B., B.Pharm. Lond.

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Lancashire-Spencer Prof.
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Nash, W. F., M.Sc. Wales, Ph.D.
Manc.
Lee, E. W., B.Sc. Lond., Ph.D.

Assistant Lecturers

Adam, G. D., B.Sc. St. And.
Lewis, B., B.Sc. Lond.
3 Demrs.

Poultry Husbandry, v. *infra*, p.
388

Slavonic Languages

Fennell, J. L. I., M.A., Ph.D.
Camb.
Reader and Hd. of Dept.
Partridge, Mrs. Monica A., B.A.
Lond. Lectr.

Social Administration

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Prof.
Wells, F. A., B.Sc. (Econ.), Ph.D.
Lond. (App. Econs.) Reader.

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Oxon.
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Eyden, Joan L. M., B.A., B.Sc.
(Econ.) Lond.
Gowan, I. L., M.A. Oxon., B.A.
Wales (Pub. Admin.).
Pearce, I. F., B.A. Brist.
Varley, D. E., M.A. Camb.
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Morell, A. L., F.C.A. (Accounting).

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Hogg, Daisy T.

Spanish

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and Harv. Lectr.
Russell-Gebbett, P. S. N., M.A.
Camb. Asst. Lectr.

Spoken Language

Wilkins, Joyce L. Lectr.
Hitchman, P. J., B.A. Lond.
Lectr. and Speech
Specialist.

Theology

Marsh, Rev. J., M.A. Edin.,
D.Phil. Oxon. Prof.
Hanson, Rev. R. P. C., B.A.,
D.D. Dub. Lectr.
King, Rev. N. Q., M.A. Oxon.
Asst. Lectr.

Veterinary Science, v. infra

Zoology, v. also Agric.

Barrington, E. J. W., M.A., D.Sc.
Oxon., F.L.S.
Dean, Fac. of Pure Sci.,
Prof.

Lecturers

Young, M. R., B.Sc. Edin., Ph.D.
Lond.
Aitken, A., B.Sc. Glas.
Morris, B., B.Sc. Wales.
Clarke, K. U., B.Sc. Lond.

Assistant Lecturers

Matty, A. J., B.Sc. Lond., Ph.D.
Morris, R., B.Sc. Lond.

Adult Education

Peers, R., O.B.E., M.C., M.A. Liv.,
J.P. Prof.
Wiltshire, H. C., M.A. Lond.
Deputy Director of
Extra-mural Studies.
Gray, P. H., M.A. Lond. Lectr.

Staff Tutors

Eagle, E. C., B.Sc. (Econ.) Lond.
(Economics).
Douglas, G. O., B.A. Camb.
(Psychol.).

Simpson, S. J., B.Sc. (Econ.) Lond.
(Economic History).

Organizing Tutors

Barley, M. W., B.A. R'dg., M.A.,
F.S.A. (Nottinghamshire).
Stadler, K. R., B.A. Brist., M.A.
Lond. (Derby).
Thornton, A. H., M.A., B.C.L.
Durh. (Derbyshire).
Hogarth, C. E., B.A. Manc.
(Derbyshire).
Champion, A., M.A. Camb. (Hol-
land).
Fordham, P. E., B.A. Leeds
(Holland).
Smith, A. E., M.A. Leeds (Lindsey).
Hosford, W. H., B.Sc. (Econ.)
Lond. (Kesteven).
Madgwick, P. J., M.A. Oxon.
(North Leicestershire).
Featherstone, H. L., M.A. Durh.
(Mining Centres).

Tutors for Adult Educn. in H.M.
Forces.

Dixon, J. F., M.A. Oxon.
Rossell, P. E., B.A. Sheff.

Agriculture and Horticulture

Agriculture

Robinson, H. G., M.Sc. Durh.
Prof. and Dir. of Sch.
Grant, H. T., B.Sc. Glas. Lectr.
Ivins, J. D., B.Sc. R'dg. M.Sc.
(Agric.) Lectr.
McDermott, Mrs. Norah, M.Sc.
(Agric.) Potato Research.
i Demr.

Agric. and Dairy Bacteriology

Brindley, Marjorie, B.Sc. (Agric.)
Lectr.

*Agric. Botany v. also Botany,
supra*

Dent, K. W., B.Sc., Ph.D. Birm.
Lectr.
Edwards, Miriam M., B.Sc., Ph.D.
Manc. Lectr.
Nicholson, T. H., B.Sc. Aberd.
Asst. Lectr.
i Demr.

Agric. Chemistry

Hallsworth, E. G., B.Sc., Ph.D.
Leeds

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.

2 Demrs.

Agric. Economics

Rasmussen, K., Cand. Polit.
Copenhagen

Provincial Agric. Econo-
mist and Actg. Head
of Dept.

Jones, R. B., M.Sc. Wales
Sr. Agric. Economist.

Agricultural Economists

Wood, R. O., M.Sc. Lond.

Mejer, E., M.Sc. Vilna.

Ashby, A. W., B.Sc. Wales, M.S.
Corn.

Evans, D. H., B.Sc. Wales, M.Sc.

Asst. Agric. Economists

Hunt, A. F., B.Sc. (Econ.) Lond.

Nelson, J. S., B.Sc. (Agric.) Leeds.

Richardson, Prudence P., B.Sc.
(Econ.) Lond.

Hunt, R. W. T., B.Com. Liv.

Agric. Engineering

Chatterton, J., D.F.C., B.Sc.
Lond. Lectr.

Agric. Geology v. *Geology, supra*

Agric. Zoology v. also *Zoology,*
supra

Kevan, D. K. McE., B.Sc. Edin.
Lectr.

Taylor, C. E., B.Sc. Wales

Asst. Lectr.

Beekeeping

Holden, E., M.Sc. Manc. Lectr.

Building Construction, etc.

Maguire, O. D. Lectr.

Dairying

Scott, R., B.Sc.
Lectr. and Hd. of Section.

.....

Lectr.

2 Demrs.

Horticulture

Hudson, J. P., M.B.E., G.M., M.Sc.
Lond.

Lectr. and Hd. of Dept.

Marston, Margaret E., B.Sc. Lond.
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.

Veterinary Hygiene

Buxton, J. C., B.Sc. Hon. Lectr.
1 Demr.

Institute of Education

Lewis, M. M., M.A., Ph.D. Lond.
Director.

Land, Claudia E. L., M.A. Birm.,
F.L.A. Librarian.

Daniels, J. C., B.Sc., M.Ed. Durh.
Tutor.

Diack, H., M.A. Aberd. Tutor.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Accountant: A. Hendry; Asst. Accountant: A. Bellamy; Asst. Registrar: A. Plumb, M.A. Camb.; Surveyor: J. W. Popplewell; Deputy Surveyor: D. L. W. O'Dell; Asst. Surveyor (School of Agric.): O. D. Maguire; Admin. Assts.: G. J. Eltringham, B.A. Sheff.; H. Harris, B.Sc. (Econ.) Lond. (School of Agric.).

LIBRARY. Sub-Librarian : R. S. Smith, B.A. Lond., F.L.A.

CAREERS AND APPOINTMENTS BOARD. Sec. : G. R. Ricketts, B.A. Oxon.

WARDENS OF HALLS. Hugh Stewart, ; Wortley, Prof. and Mrs. A. Radford ; Florence Boot, Eileen M. Spelman, B.A. Lond. ; Florence Nightingale, Helen A. Beecham, M.A. Oxon.

LODGINGS OFFICER. D. C. Singleton.

GENERAL INFORMATION

The Univ. originated in the Adult School established in 1798, the Mechanics' Institute and the People's College, and finally in 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.

An estate of 220 acres 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, 120 acres have been purchased, and new bldgs., including a Hall of Residence, erected.

LIBRARY. The Library contains about 120,000 vols. and 43,000 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.).

FACULTIES AND DEANS. *Arts*, Prof. F. Holdsworth (French) ; *Educn.*, Prof. N. Haycocks ; *Pure Science*, Prof. E. J. W. Barrington (Zool.) ; *Agric. and Hort.*, Prof. E. G. Hallsworth (Agric. Chem.) ; *Applied Science*, Prof. F. B. Hinsley (Mining) ; Board of Studies in *Law* and *Social Science*, Prof. A. Radford (Soc. Admin.).

The School of Agriculture, comprising the Faculty of Agric. and Hort., is located ten miles from the University, between Nottingham, Derby and Loughborough. *Postal Address* : The Univ. of Nottm. School of Agriculture, Sutton Bonington, Loughborough. (*Telephone* : Kegworth 386.)

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.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. (Agric.), M.Sc. (Hort.), M.Sc. (Eng.), M.Sc. (Min.)—conferred on graduates of the Univ. in the appropriate Fac. after advanced work extending over at least 1 yr. ; also conferred on non-graduates under certain conditions, after advanced work extending over at least 4 yrs. M.Sc. in Mycology—awarded on an examn. taken after an advanced course of at least 1 yr.'s duration. M.Ed.—may be conferred after at least 2 yrs. (pt.-time) of advanced work upon graduates of approved Univs. who have at least 2 yrs.' experience of work in Educn. ; after a course of normally at least 4 yrs.' duration, on non-graduates with approved qualifications in the field of Educn. and at least 2 yrs.' experience of work in this field.

DIPLOMAS. Diploma in English Studies for Overseas Students—1 yr. ; candidates must have qualifications comparable with those of a British graduate or be in possession of the Univ.'s Certif. in English Studies or equiv. qualification ; Adult Educn., 1 yr. postgraduate.

CERTIFICATES. Certificate in English Studies for Overseas Students, 1 yr. ; Social Studies (graduates of approved Univs., 1 yr. ; non-graduates over 21 yrs. of age, 2 yrs.) ; Social and Theological Studies, 3 yrs. (awarded in conjunction with Paton Congregational Coll.) ; Youth Leadership, 1 yr. ; Educn., 1 yr. postgraduate ; Fuel Technol., 3 yrs. (1 yr. for graduates in Engin., Mining, Chem. and Physics of British and other approved Univs.).

The Certif. in Fuel Technol. is recognized by the Institute of Fuels as exempting the holder from Part " B " of the examn. for the Associate Membership of the Institute. Courses are also given at the Univ. for the examns. of the Pharmaceutical Society.

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

UNIVERSITY EXTENSION. Adult Educn. is organized as a dept. of the Fac. of Educn. The Head of the Dept., a full-time Professor, is assisted by a Deputy Director of Extra-mural Studies, 13 full-time members of staff and

many pt.-time tutors and lecturers. *Postal Address* : Univ. of Nottingham Adult Educn. Centre, 14 Shakespeare St., Nottingham. (*Telephone* : Nottingham 43022.) Lenton Hurst, in grounds adjoining Univ. Park, has been established as a residential College for Adult students. The Dept. is also responsible for Pilgrim Coll., a non-residential Adult Coll. in Boston, Lincs. (Warden : A. Champion, M.A. Camb.).

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs. : *see* Appendix II.

CAREERS AND APPOINTMENTS BOARD. (For Secretary *see* "Administrative and other Staff," *supra*.) The Board gives advice on careers and assists students to obtain posts on completion of their studies, and temporary employment during Univ. vacations.

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, Matlock and Nottinghamshire County Training Colls. and the East Midlands Training Coll., Loughborough.

RESIDENCE. (For names of Wardens *see* "Administrative and other Staff," *supra*.) For men : Hugh Stewart Hall—172 students, and Wortley Hall—55 students, adjoining Univ. Park. For women : Florence Boot Hall—110 students, in Univ. Park, with annexe Lenton Eaves, 20 students ; Florence Nightingale Hall—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 University Company W.R.A.C. (T.A.) with similar conditions of service and privileges to those of men cadets in the U.T.C. The University Air Squadron is part of R.A.F. Reserve Command. Members sign on in the R.A.F. Volunteer Reserve, and receive flying training, with pay and allowances for training time and an annual grant of £35.

STUDENT ATHLETIC FACILITIES. The Univ. Playing Fields, nearly 40 acres in extent, adjoin Univ. Park, and provide for Rugby and Association football, hockey, cricket, net-ball and tennis. A new boat-house at Trent Bridge has recently been opened. Badminton, basket-ball, fencing and table tennis are played in the indoor sports centre in Univ. Park. There is an indoor range attached to the U.T.C.

STUDENTS' UNION. There is a Union of Students for the promotion of corporate feeling and the general interest of students and to afford a recognized channel of communication between students and the Univ. authorities. All full-time students become members.

PUBLICATIONS. *Calendar*—10s., annually in Oct.; *Gazette* (once a term); *Annual Report* (Dec.); *Faculty and Departmental Prospectuses*—1s. 6d., annually (Sept.); *Scholarships, Fellowships and Prizes*—1s., annually; *Courses in English Studies for Overseas Students, Regulations for Higher Degrees, General Regulations and Information for Students*—annually. *Regulations for Matriculation and Faculty Admission Requirements* (May 1952). 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. Beckett, 1928 (o.p.).

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Nottingham Law Society, £3419, S. Bourne and Co., Ltd., £3186, Percy Andrew and Son, Ltd., Anonymous, Whiteley Electrical Radio Co., Ltd., and Levin Bros. and Co., £1000 each—all towards Endowment Fund; late J. H. Tomlin, £1000 for scholp.; British Horse Society, £1500, for 2-yr. research fellowship; Nottinghamshire Council of the British Empire Cancer Campaign, offer of funds for research fellowship; Rolls-Royce, Ltd., I.C.I., Ltd., Messrs. A. Reyrolle and Co., Ltd., and Shell-Oil Co., Ltd., equipment and apparatus; Dr. F. A. Wrench, gift to Library of the Kirke papers, relating to East Markham.

NEW BUILDINGS. Engineering extension nearing completion. Work begun on a major bldg. for Biol. Depts.

PRINCIPAL CHANGES IN REGULATIONS. Pass degree of B.Sc. in Grouped Subjects, obtained after 2 years of Final study, discontinued. Only potential Hons. students will be accepted for B.Sc. in Pure Sc., the Final course lasting not less than 3 yrs. New course leading to Hons. in Grouped Subjects introduced, in which students in the 1st Final yr. read 3 subjects, 2 of which are continued in their 2nd and 3rd yrs.

In Fac. of Appl. Sci. also the Final course for Bachelors' degrees extends over three years. All students, Engin. and Mining, take a common course in the 1st yr.; in the 2nd yr. they divide into 4 streams (Civil, Mech., Electr. and Mining Engin.); in the 3rd yr. each of these streams divides into Hons. and Pass degree courses.

ADULT EDUCATION WORK. Number of courses: 238, including 63 3-yr. tutorial classes, 99 sessional classes, 38 shorter courses, and 28 short courses. Total no. of class meetings: 4,294; total no. of individual students registered: 3348.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. D. G. James, Brit., "Byron and Shelley"; Prof. J. H. Burn, Oxon., "The Formation of Adrenaline in the Body"; Prof. J. H. Keenan, M.I.T., "The Production of Power from Fuel"; Dr. F. R. Leavis, Camb., "The Genius of D. H. Lawrence"; Sir George Dyson, Royal Coll. of Music, "The Music of Words"; Prof. J. Bony, Institut Français du Royaume-Uni, "Les Châteaux de l'Ile-de-France"; Prof. C. N. Howard, Calif., "American Public Opinion and World Peace"; Prof. A. F. Blunt, Courtauld Inst., "Has Modern Painting reached a Dead End?"; Miss J. M. Reynolds, King's Coll., Newcastle,

"The Mayor and Corporation: some Leading Families in the Cities of Roman Tripolitania"; Prof. H. D. F. Kitto, Brist., "The Comic Element in Greek and Elizabethan Drama"; F. A. Lepper, Oxon., "The Quinquennium of the Emperor Nero"; E. Birley, Durh., "The Officers of the Roman Army"; G. Howarth, Syd., "John Webster"; Prof. J. M. Blema, "Introducción a la poesía española del Siglo de Oro"; Prof. L. A. Willoughby, Lond., "Classical and Romantic—a new approach"; Prof. C. L. Wren, Oxon., "Recent Impressions of the Soviet Union"; Kathleen Major, Oxon., "The Clergy and their Benefices"; Dr. C. Roth, Oxon., "The History of the Jews in England"; Prof. A. C. B. Lovell, Manc., "Radio-Astronomy"; Prof. F. C. Chalklin, N.Z., "Soft X-Rays and the Solid State"; Prof. L. Néel, Grenoble, "Antiferromagnétisme et ferromagnétisme"; Prof. W. F. K. Wynne-Jones, Durh., "Hydrogen Peroxide as an Ionizing Solvent"; Prof. C. W. Shoppee, Swansea, "The Cortisone Problem"; Dr. L. E. Sutton, Oxon., "Recent Chemical Applications of Electric Dipole Moment Measurements"; Prof. J. Read, St. And., "Chemical Personalities of a Century Ago"; Prof. R. P. Linstead, Lond., "Organic Syntheses at Anodes"; Prof. H. W. Melville, Birm., "The Breakdown of Macromolecules"; Prof. W. Baker, Brist., "Macrocyclic Compounds containing Aromatic Nuclei"; Prof. R. B. Woodward, Harv., "Some Recent Advances in the Chemistry of Natural Products"; Prof. A. Spaul, Leeds, "Phase-contrast microscopy"; Prof. J. G. C. Anderson, Cardiff, "The Geology of Hydro-electric Developments"; Prof. L. R. Moore, Sheff., "The Coal Basins of the South-West of England and South Wales"; Prof. F. W. Shotton, Sheff., "War-time Problems of Water Supply"; Prof. L. Hawkes, Lond., "Icelandic Geology"; Prof. J. E. Courtois, Paris, "Pharmacy and Pharmaceutical Education in France"; Prof. K. L. Turk, Corn., "Life in American Universities". Prof. R. G. Cameron, W.Aust.; Dean Lee, Calif.; Prof. C. O. Houle, Chic.; Prof. E. O. Hercus, Melb.; Prof. J. E. Goldman, Pittsburgh; Prof. V. J. Chapman, Auckland; Prof. G. M. Dusing, Pennsylvania State Coll.

VISITS BY MEMBERS OF STAFF TO OTHER UNIVERSITIES. Miss M. Whittaker, "The Greek Text of *Hermas*", Oxon.; Prof. V. de S. Pinto, Pennsylvania State Coll., "D. H. Lawrence, Prophet of the English Midlands" and "Nottingham and its University", Ohio State U., "Hogarth and the Eighteenth Century Background"; M. O'C. Walshe, King's Coll., Lond., "The Textual Problem of *Der Ackermann aus Bohmen*"; J. C. Holt, Leicester, "Opposition programmes in the reign of King John"; A. Gabor, Leeds, "Certain Aspects of the Theory of Value"; W. L. Sumner, Besançon, "Health and the Family"; P. J. Hitchman, Oxon., "Voice and Speech in Training"; Prof. H. R. Pitt, Liv., "Measures in Function Space"; Prof. L. F. Bates, Bristol, "New Experiments on Ferro-magnetic Domains"; Prof. F. E. King, Leicester and Birmingham, "The Structures of Recently Isolated Timber Extractives", Sheffield, "The Chemistry of Extractives from Hardwoods"; Dr. P. E. Weatherley, Manc., "Physiology of the Cotton Plant"; Dr. W. D. Gill, Leeds, "The Geology of North-West Pakistan"; H. A. Moisley, N. Staffs., "Geographical Aspects of Settlement in the North Staffordshire Coalfield"; G. E. Trease, Montpellier, Bordeaux and Clermont-Ferrand, "La Pharmacie britannique".

RETIREMENTS. Prof. H. T. H. Piaggio (Maths.); Prof. L. V. D. Owen (Hist.).

RESIGNATIONS. H. A. Moisley (Geog.), apptd. Lectr. at Glas. U.; Dr. H. C. Bolton (Phys.), apptd. Lectr., King's Coll., Newcastle; Dr. Rhona M. MacLennan (Geol.); R. F. Martyr (Hort.), apptd. Principal of the Horticul-

tural Inst., Pershore; A. G. Bartlett (Asst. Registrar), apptd. Academic Sec., U.C., Exeter; A. Wainwright (Admin. Asst.), apptd. Asst. Registrar, U.C. of Gold Coast.

DEATHS. J. E. Richards (Member of Ct. and formerly Hon. Sec. and Hon. Legal Adviser to Univ. Coll.); S. Blythen (Member of Ct. and formerly Hon. Prof. of Accty.); Prof. E. P. Barker (Prof. of Classics, 1946-48.)

HONORARY DEGREES. *LL.D.*—G. Crowther, Editor of *The Economist*; Rt. Hon. Sir Raymond Evershed, Master of the Rolls. *D.Litt.*—E. M. Forster, author; Dame Laura Knight, Member of the Royal Academy; Sir Frank Stenton, historian and formerly V.-C. of Reading; Ernest Weekley, Emeritus Prof. of French. *D.Sc.*—Prof. Louis Néel, Dir. of the Labs. of Electrostatics and Metal Physics, Grenoble; Sir Robert Robinson, Waynflete Prof. of Chem., Oxford; Sir George Stapledon, formerly Dir. of Grassland Improvement Station, Stratford-upon-Avon. *M.A.*—H. B. Stone, Member of Council.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	154	1536
Women	20	576
Total	174	2112

Included in the above are 173 postgraduate students and 752 new admissions.

DEGREES AWARDED. *Agric. and Hort.*: B.Sc. (Agric.), 46; M.Sc. (Agric.), 2; B.Sc. (Hort.), 10. *Appl. Sci.*: B.Sc. (Eng.), 70; B.Sc. (Min.), 14; M.Sc. (Min.), 1. *Arts*: B.A. (Admin.), 30; B.A., 158; M.A., 5; LL.B., 10; B.Mus., 2; Ph.D., 4. *Educn.*: M.Ed., 2. *Pure Sci.*: B.Pharm., 9; M.Pharm., 1; B.Sc., 142; M.Sc., 7; Ph.D., 11.

UNIVERSITY OF LONDON DEGREES OBTAINED. B.A., 2; B.Sc., 2.

DIPLOMAS AND CERTIFICATES AWARDED. Dip. Adult Educn., 1; Dip. Engl. Studies for Overseas Students, 2; Dip. Dairying, 24; Dip. Hort., 14; Dip. Poultry Husbandry, 11; Cert. Engl. Studies for Overseas Students, 3; Cert. Soc. Studies, 17; Cert. Child Service, 12; Cert. Educn., 100; Cert. Youth Leadership, 12; Cert. Fuel Technol., 3.

UNIVERSITY OF OXFORD*

Founded in the 12th Century

Telephone (Registry) : Oxford 48491.

CHANCELLOR—The Rt. Hon. THE EARL OF HALIFAX, K.G., G.C.S.I., G.C.I.E., O.M., D.C.L., Hon. Fellow of All Souls.

HIGH STEWARD—The Rt. Hon. VISCOUNT SIMON, G.C.S.I., G.C.I.E., LL.D. Camb., Edin., Leeds, Manc., St. And., Sheff., McG., Tor., Col., M.A., D.C.L., Fellow of All Souls, Hon. Fellow of Wadham.

VICE-CHANCELLOR—Sir C. M. BOWRA, O. Lég. d'H., LL.D. Dub., Doc. honoris causa Paris, Aix-Marseille, M.A., D.Litt., F.B.A., Warden of Wadham.

PROCTORS—Rev. C. B. NAYLOR, M.A. Pet. H. ; J. B. BAMBOROUGH, M.A. Wadh.

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. Oriel, F.B.A., F.R.Hist.S.

REGISTRAR—D. VEALE, C.B.E., LL.D. Melb., M.A. C.C.C.

SECRETARY OF FACULTIES—K. C. TURPIN, M.A., B.Litt. Or.

SECRETARY TO THE CURATORS OF THE UNIVERSITY CHEST—H. H. KEEN, M.A. Ball.

NOTE.—The Colleges and Heads of Colleges are given on pp. 413 ff.

TEACHING STAFF

Agriculture, v. *infra*

Anatomy, v. also *Zoology*, *Med.*

Clark, W. E. Le G., D.Sc. Lond. &

Durh., M.A. Hertf., F.R.C.S.,

F.R.S. Dr. Lee's Prof.

Weddell, A. G. M., M.A. Or.

Reader.

Lecturers and Demonstrators

Carleton, Mrs. Alice B., B.A.,

M.D. N.U.I., M.A. St. Anne's.

Blackwood, Beatrice M., M.A.,
B.Sc. Som. (Ethnol.).

Bradford, J. S. P., M.A. Ch. Ch.
(Ethnol.).

Brice, W. P., M.A. Jes. (Ethnol.).

Barer, R., M.C., M.B., B.S., B.Sc.
Lond., M.A. Hertf.

Sinclair, D. C., M.A., M.D. Edin.,
M.A. Or.

Crawford, G. N. C., M.B., B.S.
Lonc., M.A. Exe.

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

Anglo-Saxon

Wrenn, C. L., M.A. Pemb.
Rawlinson and Bosworth
Prof.

Anthropology, Physical

Weiner, J. S., M.A. Hertf. Reader.

Anthropology, Social

Evans-Pritchard, E. E., 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

Bohannon, P. J., M.A., B.Sc.,
D.Phil. Qu.
Steiner, F. B., M.A., D.Phil. Magd.

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.,
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(Homeric A.) Lectr.

Art

Gombrich, E. H. J., Ph.D. Vienna,
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Slade Prof.
Horton, P. F., M.A. New Coll.
(Drawing) Ruskin Master.
Pächt, O. E., Ph.D. Heidel., M.A.
Or. (Med. Art) Lectr.

Astronomy

Plaskett, H. H., B.A. Tor., M.A.
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Savilian Prof.
Adam, Madge G., M.A., D.Phil.
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Bibliography

Ker, N. R., M.A., B.Litt. Magd.
Lyell Reader.

Biochemistry, v. also Medicine

Peters, Sir Rudolf A., M.C., M.A.,
M.D. Camb., M.D. Liège,
M.A. Trin., F.R.S.
Whitley Prof.
Carter, C. W., M.A., B.M. Qu.
Reader.

Lecturers and Demonstrators

Fisher, R. B., M.A., B.Sc., D.Phil.
St. Joh.
Ogston, A. G., M.A., D.Phil. Ball.
Nimmo Smith, R. H., M.B.,
Ch.B. Edin., M.A., D.Phil.
Univ.
Parsons, D. S., D.M. Mert.
Kent, P. W., Ph.D. Birm., M.A.
Jes.
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.

Botany, v. also Agriculture

Osborn, T. G. B., D.Sc. Manc.,
M.A. Magd. Sherardian Prof.
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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. Magd.
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Magd. Fielding Curator.

Warburg, E. F., Ph.D. Camb.,
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Celtic

Foster, I. Ll., M.A. Wales and
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Chemistry

Robinson, Sir R., O.M., D.Sc.
Durh., Liv., Lond., Manc.,
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Waynflete Prof.

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D.Sc., M.A. Exe., F.R.I.C.,
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Lecturers

Hume-Rothery, W., M.A., D.Sc.
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*Russell, A. S., M.C., D.Sc. Glas.,
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Lecturers and Demonstrators

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C.).

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Brewer, F. M., M.B.E., M.A.,
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Hodgkin, Dorothy M., M.A., B.Sc.
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stall.).

Graduate Assistants

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Classics, v. also Archæol. and
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Dodds, E. R., D.Litt. Manc., M.A.
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Reg. Prof.

Fraenkel, E. D. M., D.Phil. Gott.,
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Lecturers

.....

* C.U.F. Lecturer.

*Wells, A. F., O.B.E., M.A. Univ.
(Lat. Lit.).

*Barrett, W. S., M.A. Keb. (Gk.
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Meiggs, R., M.A. Ball. (Gk. Epi-
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*Bolton, J. D. P., M.A. Qu.

*Dover, K. J., M.A. Ball.

*Harrison, A. R. W., M.A. Mert.

*Hicken, Winifred F., M.A.,
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*Holladay, A. J., M.A. Trin.

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Colonial Administration

Robinson, K. E., M.A. Hertf.
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Carnell, F. G., M.A., B.Litt. Exe.
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Colonial Economic Affairs

Frankel, S. H., M.A. Rand., Ph.D.,
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Colonial Economics

Myint, H., M.A. Linc. Lectr.

Criminology

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Crystallography, v. Mineralogy

Diplomatic

Major, Kathleen, M.A., B.Litt. St.
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Jewkes, J., C.B.E., M.Com., M.A.
Mert. (Ec. Organization)
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E.) Nuffield Reader.

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*Wilson, T., O.B.E., Ph.D. Lond.,
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*Ward-Perkins, C. N., M.A. Pemb.

*Ross, C. R., B.A. Hertf.

*Sargent, J. R., B.A. Worc.

Education

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Talbot, Elfrida M., M.A. St. Hu.

Lectr. and Tutor to
Women Students, and
Principal of the
Women's Hostel.

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Egyptology, v. Oriental Langs.

Engineering Science, v. also Sur-
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Thom, A., M.A. B.N.C. Prof.

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Wise, B., M.A. Trin.

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English, v. also Anglo-Saxon,
Poetry

Wilson, F. P., LL.D. Birm., M.A.,
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(E. Lit.) Merton Prof.

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Cecil, Lord David, C.H., M.A. New Coll. (E. Lit.)

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(Anc. Icelandic) Reader.

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Reader.

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Lecturers

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*Lascelles, Mary M., M.A., B.Litt. Som. (Eng. Lit.).

*Gardner, Helen L., M.A. St. Hild. (Eng. Lit.).

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*Griffiths, Mary E., M.A. St. Anne's (Eng. Lit.).

*Lea, Kathleen M., M.A. L.M.H. (Eng. Lit.).

*Bateson, F. N. W., M.A., B.Litt. Trin. (Eng. Lit.).

*Bennett, J. A. W., M.A., D.Phil. Magd. (Eng. 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.

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*Rice-Oxley, L., M.A. Keb.

*Stewart, J. I. M., M.A. Ch. Ch.

*Turville-Petre, Mrs. Joan E., M.A., B.Litt. Som.

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*Robson, W. W., M.A. Linc.

*Mahood, Molly, M.A. Lond., M.A. St. Hu.

*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. and B.N.C.

*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.

*Ladd, C. A., M.A. Ch. Ch.

*Ward, A., M.A. Wadh.

Kean, Patricia M., M.A. L.M.H.

Midgley, E. C., M.A., B.Litt. St. Edm. H.

Forestry, v. also *Surveying*, *Rural Econ.*

Champion, H. G., C.I.E., M.A., D.Sc. St. Joh. Prof.

Lecturers and Demonstrators

Chalk, L., M.A., D.Phil. Univ.

Day, W. R., M.A., B.Sc. Exe.

Lloyd, A. H., M.C., M.A. Exe.

Jones, E. W., M.A. Magd.

Dimbleby, G. W., M.A., B.Sc., D.Phil. Magd.

Handley, W. R. C., M.A. St. Joh.

Leyton, L., M.A. Camb., M.A. Qu.

Macgregor, J. J., M.A., B.Litt. Ball.

Edwardson, T. E., B.Sc. Edin.

* C.U.F. Lecturer.

Thompson, G. H., B.A., B.Sc. St.
Edm. H.

French Language and Lit.

Seznec, J. J., M.A. All S. (Fr. Lit.)
Foch Prof.

Starkie, Enid M., M.A., D.Litt.
Som. (Fr. Lit.) Reader.

Lecturers

*Moore, W. G., 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., 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.,
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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.
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*Tyler, Annette E., M.A., D.Phil.
Som.

*Howarth, W. D., M.A. Jes.

*Crow, Mrs. Joan, M.A. L.M.H.

*Garabedian, D., M.A. St. Cath.

*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.

Geography, v. also Surv.

Mason, Col. K., M.C., M.A. Hertf.
Prof.

Gilbert, E. W., M.A., B.Litt.
Hertf. (Human G.) Reader.

Gullick, C. F. W. R., M.A., B.Litt.
(Econ. G.) Sr. Lectr.

Lecturers

Steel, R. W., M.A. Jes.

Martin, A. F., M.A. St. Joh.

Beckinsale, R. P., M.A. Lond.,
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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

Wager, L. R., M.A., Sc.D. Camb.,
M.A. Univ., F.R.S., F.G.S.

Prof.

Sandford, K. S., T.D., M.A.,
D.Phil., D.Sc. Univ. (Pleistocene G.)
Reader.

Lecturers and Demonstrators

Harrison, J. V., M.A. Ch. Ch.

McKerrow, W. S., M.A. Univ.

Whitworth, T., M.A., D.Phil. Or.

Vincent, E. A., M.A.

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Edmonds, J. M., M.A., B.Sc.
St. Edm. H.

Geometry

Fitchmarsh, E. C., M.A. New Coll.,
F.R.S. Savilian Prof.

German

Boyd, J., M.A., Ph.D. Heid.
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.

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Joh.

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Calder, W. M., M.A. Qu.

*Thomas, J. M., M.A. Wadh.

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Greek and Latin Lit.

Lecturers

- *Levens, R. G. C., M.A. Mert.
- *Hardie, C. G., M.A. Magd.
- *Griffith, J. G., M.A. Jes.

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Trypanis, C. A., D.Phil. Athens,
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Bywater & Sotheby Prof.

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(Mod. G.) Lectr.

Hebrew, v. Oriental Langs.

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H. V. Harmsworth Prof.

[Billington, R. A., Ph.B. Wis.,
M.A. Mich., Ph.D. Harv.
H.V. Harmsworth Prof. for
1953-54]

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Syme, R., M.A. B.N.C., F.B.A.

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Coll., F.B.A. Wykeham Prof.

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- *Andrewes, A., M.A. New Coll.
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- *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.
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Magd.
- Fraser, P. M., M.A. B.N.C.
(Hellenistic H.).
- *Gray, E. W., M.A. Ch. Ch.
- *Hignett, C., M.A. Hertf.
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History of the British Empire

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Beit Prof.

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History, Eccl., v. Theology

History, Econ. and Social

Briggs, A., B.Sc. Lond., M.A.
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Ball., F.R.Hist.S. Reader.

History, Mediæval

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- McKisack, May, M.A., B.Litt.
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- *Pantin, W. A., M.A. Or., F.B.A.,
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- McFarlane, K. B., M.A. Magd.,
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F.B.A. Reg. Prof.

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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.,
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Institutions) Reader.

Lecturers

- Goodwin, A., M.A. Jes.,
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poleonic Period.)
- *Taylor, A. J. P., M.A. Magd.
- *Gibbs, N. H., M.A., D.Phil. Mert.
- *Cox, A. D. M., M.A. Univ.
- *Davies, Rev. R. T., M.A. St.
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- *Hurnard, Naomi D., M.A.,
D.Phil. L.M.H., F.R.Hist.S.

- *Armstrong, C. A. J., M.A. Hertf.,
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- *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.,
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- *Ramsay, G. D., M.A., D.Phil. St.
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- *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,
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Ch., F.R.Hist.S.
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- *Allen, H. C., M.C., M.A. Linc.
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- *Bromley, J. S., M.A. Keb.
- *Costin, W. C., M.C., M.A. St. Joh.
- *Deighton, H. S., M.A., B.Litt.
Pemb.
- *de Villiers, Lady Evangeline,
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- *Joll, J. B., M.A. St. Ant.
- *Kemp, Betty, B.A. Manc., M.A.
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- *Leys, Mary D. R., M.A. St.
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- *Smith, E. H. F., M.A. Pet. H.
- *Somerset, H. V. F., M.A. Worc.
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- *Wallace-Hadrill, J. M., M.A.,
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- *Watson, J. S., M.A. Ch. Ch.
- *Whiteman, E. Anne O., M.A.,
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- *Colvin, H. M., M.A. St. Joh.
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- *Price, F. D., M.A., B.Litt. Keb.
- *Brock, M. G., M.A. C.C.C.
- *Cooper, J. P., M.A. All. S.
- *Hale, J. R., B.A. Jes.
- *McManners, 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.
- *Hale, J. R., B.A. Jes.
- *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. St.
Hu.

History of Near East, Modern
Hourani, A. H., M.A. Magd. Lectr.
History of War
Falls, C. B., C.G., M.A. All S.
Chichele Prof.

Industrial Relations

Flanders, A. D., M.A. Ball.
Sr. Lectr.

International Relations

Headlam-Morley, Agnes, M.A.,
B.Litt. St. Hu.
Montague Burton Prof.

Italian

d'Entrèves, A. P., 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.

*Mauldon, J. G., M.A. C.C.C.

*Cobbe, Anne P., M.A., D.Phil.
L.M.H.

*Crum, M. M., M.A. New Coll.

Junior Lecturers

Spencer, K. R., 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. also Philos., Expl.

Brewer, A. W., M.Sc. Lond., M.A.
Qu. Lectr.

Mineralogy and Crystallography

Spiller, R. C., M.A. St. Cath.
(Min.) Reader.
Powell, H. M., Ph.D. Berl., M.A.,
B.Sc. St. Joh., F.R.S. (Chem.
Crystallog.) Reader.
Goodman, N. R., M.A., D.Phil.
Exe. (Min.) Lectr.

Music

Westrup, J. A., B.Mus., M.A.,
Hon. D.Mus. Wadh.
Heather Prof.
Wellesz, E. J., M.A., Hon. D.Mus.
Linc. (Byzantine M.) Reader.
Armstrong, T. H. W., M.A.,
D.Mus. Ch. Ch.
Choragus and Lectr.

Lecturers

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.
Harrison, F. Ll., Mus.D. Dub.,
M.A., D.Mus. Mert.

Numismatics

Robinson, E. S. G., M.A. Ch. Ch.
Reader.

Sutherland, C. H. V., M.A., D.Litt.
Ch. Ch. Lectr.

Oriental Languages, v. infra

Palæography

Ker, N. R., M.A., B.Litt. Magd.
Reader.

Papyrology

Lobel, E., M.A. Qu. Reader.

Roberts, C. H., M.A. St. Joh.,
F.B.A. (Documentary P.)

Reader.

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.

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.

Berlin, I., M.A. All S.

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.

Cross, R. C., M.A. Jes.

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.

Anscombe, G. Elizabeth M. (Mrs.
Geach), M.A. Som.

Beck, L. J., M.A., D.Phil. Mert.

Corbett, J. P., M.A. Ball.

Crombie, I. M., M.A. Wadh.

Dick, M. W., M.A. Ball.

Foot, Mrs. Philippa R., M.A. Som.

Foster, M. B., M.A. Ch. Ch.

Hampshire, S. N., M.A. New Coll.

Hare, R. M., M.A. Ball.

Mitchell B. G., M.A. Keb.

Mitchell, D., M.A. Worc.

Murphy, N. R., M.A. (Prin. of
Hertf.).

Turner, Rev. V. G., M.A. Camp. H.

Warnock, G. J., B.A. B.N.C.

McKie, J. I., M.A. B.N.C.

Gardner, 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.

Philosophy, Experimental

Cherwell, Rt. Hon. Lord, Ph.D.

Berl., M.A., LL.D. Aberd.,

M.A. Wadh. and Ch. Ch.,

F.R.S. Dr. Lee's Prof

Waismann, F., M.A. New Coll.

(P. of Maths.) Reader.

Toulmin, S. E., M.A. Camb., M.A.

New Coll. (P. of Science)

Lectr.

Lecturers and Demonstrators

(Physics)

Dobson, G. M. B., C.B.E., M.A.,

D.Sc. Mert., F.R.S.

(P. & Climatol.) (title of
Prof.).

Keeley, T. C., C.B.E., M.A.

Camb., M.A. Wadh.

Cooke, A. H., M.A., D.Phil. New

Coll.

Collie, C. H., M.A., B.Sc. Ch. Ch.

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.

Bleaney, B., M.A., D.Phil. St. Joh.,

F.R.S.

Rollin, B. V., M.A., D.Phil. Wadh.

Roaf, D., M.A., D.Phil. Ch. Ch.

Sanders, J. H., M.A., D.Phil. Hertf.

Series, G. W., M.A., D.Phil. St. Joh.

Sr. Research Officer

Shaw, P. F. D., M.A., D.Phil. Jes.

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

Chapman, S., M.A. Camb., D.Sc.
Manc., M.A. Qu., F.R.S.
Sedleian Prof.

Physics

Pryce, M. H. L., M.A. Camb.,
M.A. New Coll., F.R.S.
Wykeham Prof.

Spiers, J. A., M.A., D.Phil. Wadh.
(Theoretical P.) Sr. Lectr.

*Hurst, C., M.A., D.Phil. Jes.
Lectr.

*de Wet, J. S., M.A. Ball. (Math. P.)
Lectr.

*Bagguley, D. M. S., M.A., D.Phil.
B.N.C. Lectr.

Lecturers and Demonstrators

Mendelssohn, K. A. G., M.A.
Wadh., F.R.S.

Davies, W. T., M.A. Keb.

Price, F. V., M.A., B.Sc., D.Phil.
New Coll.

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.

Baxter, I. G., B.Sc. Durh.

Sr. Res. Officer (Physicist).

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., 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. Pemb.

Portuguese Studies

Vidigal, B. J. da S., M.A. St. Cath.
Lectr.

* C.U.F. Lecturer.

Psychology (Institute of Experimental)

Humphrey, G., Ph.D. Harv., M.A. Camb., M.A. Magd., F.R.S.C.

Prof. and Director.

Babington Smith, B., M.A. Camb., M.A. New Coll. (Exp. P.)

Sr. Lectr.

..... Lectr.

Kay, H., M.A. Camb. and Univ.

Lectr.

Deutsch, J. A., M.A. Jes.

Jr. Lectr.

*Religion, v. Theology**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.

Vickery, W. N., B.A. Or. Lectr.

..... Lectr.

Scientific Experiment, Design and Analysis of

Finney, D. J., M.A. Or. Lectr.

*Social Studies**Lecturers**

Ady, Miss Peter H., M.A. St. Anne's (Ec.).

Blake, R. N. W., M.A. Ch. Ch. (Pol.).

Crowe, Sybil E., M.A. St. Hild. (Pol.).

Hargreaves, E. L., M.A. Or. (Ec.).

Tite, K., M.A. Magd. (Pol.).

Wiles, P. J. de la F., M.A. New Coll. (Ec.).

Andrews, P. W. S., M.A. New Coll. and Nuff. (Ec.).

Kennedy, C. M., M.A. Qu. (Ec.).

Leyland, N. H., M.A. B.N.C. (Ec.).

Henderson, P. D., M.A. Linc. (Ec.).

Little, I. M. D., M.A., D.Phil. Trin. (Ec.).

Perham, Margery F., M.A. St. Hu. and Nuff. (Pol.).

Chester, D. N., M.A. Univ. (Pol.).

Balogh, T., M.A. Ball. (Ec.).

Clegg, H. A., M.A. Magd. and Nuff. (Ec.).

.....

Elder, N. C. McA., M.A. St. Joh. and B.N.C. (Pol.).

Worswick, G. D. N., M.A. Magd. (Ec.).

Knapp, W. F., M.A. St. Cath. (Pol.).

Streeten, P. P., M.A. Ball. (Ec.).

Sociology

Mogey, J. M., D.Sc. Belf., M.A. Univ. Lectr.

Spanish

.....

King Alfonso XIII. Prof. Kolkhorst, G. A., M.A. Exe.

Reader.

..... Lectr.

Russell, P. E. L. R., M.A. Qu. (Span. Studies) 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.

* C.U.F. Lecturers.

Burchardt, F. A., D.Phil. Kiel,
M.A. Magd.

Dir. of Inst. and Reader
in Econ. and Soc. S.

Seers, D. G., M.A. Qu. (Ec. S.)
Lectr.

Surveying (for Engin., Agric.,
Forestry, Geog. Students, and
Col. Admin. Services probrs.)

Bomford, G., M.A. B.N.C. Reader.

Robbins, A. R., M.A., B.Sc. Hertf.
Lectr.

Taxonomy, Animal

Cain, A. J., M.A., D.Phil. Magd.
(Demr. and Lectr.).

Theology, v. infra

Thermodynamics

Simon, F. E., C.B.E., Ph.D. Berl.,
M.A. Ch. Ch., F.R.S.

Prof. (by decree).

*Zoology and Comp. Anat., and
Zoological Field Studies, 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).

Woods, D. D., M.A. Trin., F.R.S.
(Microbiol.).

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.).

Fischberg, M., Ph.D. Zür., M.A.
Mert. (Embryol.).

Graham, M. W. R. de V., B.A.
Dub., B.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.
Sibthorpe Prof. of

Rural Economy.

Russell, E. W., M.A. B.N.C.
(Soil Sci.) Reader.

Lecturers and Demonstrators

Amery, G. D., M.C., M.A. B.N.C.
Clarke, G. R., M.A., B.Sc. Or.

(Rural Economy).

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.
Director.

Agr. Economics (Agr. Econ.
Research Inst.)

Clark, C., M.A. B.N.C. Director.

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.

Research Officers

Dixey, R. N., M.A. St. Joh.
Manning, P. A., M.A. Manc., Ph.D.
Lond.

Research Assts.

Rhee, H. A., M.A. St. Cath.
Jones, T. G., B.Sc. Wales.

Deptl. Demrs.

Allen, G. R., M.A. Exe.
Dudman, R. A., B.A. St. Cath.
Price, O. T. W., M.A., D.Phil.
Linc.

Librarian

Smyth, E. S., B.A. Brist.

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.

International (Public)

Waldock, C. H. M., Q.C., C.M.G.,
O.B.E., D.C.L. All S.
Chichele Prof.

International Relations

Headlam-Morley, Agnes, M.A.,
B.Litt. St. Hu.
Montague Burton Prof.

Jurisprudence

Hart, H. L. A., M.A. Univ. Prof.

Roman

Nicholas, J. K. B. M., M.A. B.N.C.
All Souls Reader.

Roman-Dutch

Lee, R. W., D. de l'U. Lyons,
LL.D. Rand., D.C.L. All S.,
F.B.A. Rhodes Prof.

Medicine

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

Anæsthetics

Macintosh, R. R., D.M. Pemb.,
F.R.C.S.Ed. Nuffield Prof.

Bacteriology

Gladstone, G. P., M.B., B.S. Lond.,
M.A. Ch. Ch., Dipl. Bact.
Lond. Reader.
Daniel, P. M., M.A., M.B., B.Chir.
Camb., M.A. New Coll. Path.
and B.) (Radcliffe Infirmary)
Sr. Res. Officer.

Biochemistry, Clinical

O'Brien, J. R. P., M.A., B.Sc.
Pemb. Lectr. and Demr.

* C.U.F. Lecturers.

Diseases

Clinical Lecturers

- Carleton, Mrs. Alice B., B.A.,
M.D. N.U.I., M.A. St. Anne's
(Skin).
Macbeth, R. G., D.M. Or.,
F.R.C.S.Ed. (Ear, Nose,
Throat).
Smallpeice, Victoria, M.D. Lond.,
M.A. Som. (Children).
Stobie, W., M.A. Exe. (Chest).

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.

Neurology

- Ritchie Russell, W., C.B.E., M.D.
Edin., M.A. Linc., F.R.C.P.
Ed., F.R.C.P. Clin. Lectr.

Nutrition, Human

- Sinclair, H. M., D.M., B.Sc. Magd.
Dir. of Lab.
Lloyd, B. B., M.A. Magd.
Sr. Res. Officer.

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., 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, v. also Anat., Morbid.

- Florey, Sir H. W., Comm. Lég.
d'H., M.A., Ph.D. Camb.,
M.D. Adel. and Lyons, D.Sc.
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(*Engl. Lit.*).

*Graddon, Pamela O. E., Ph.D. Lond.,
M.A. (*Engl. Lang.*).

Warnock, Mrs. Helen M., M.A.
(*Philos.*).

Wood, Mrs. Susan M. C., M.A.
(*Medieval Hist.*).

Lecturers

Bleaney, Mrs. Betty I., M.A. (*Physics*).

Jacobs, Margaret, M.A., B.Litt.
(*German*).

Sweeting, Marjorie M., M.A., Ph.D.
Camb., M.A. (*Geog.*).

*Wells, Agnes P., B.A. Lond., M.A.,
Treasurer.

Worner, Edith M., *Bursar*.

Aspin, Isobel S. T., M.A., B.Litt.,
F.L.A., *Librarian*.

ST. HILDA'S COLLEGE, founded in 1893 by Miss Dorothea Beale, some-
time Principal of Cheltenham Ladies' Coll. *Telephone*: Oxford 3121/3122.

Principal—Julia de L. Mann, M.A., F.R.Hist.S.

Tutors

*Whitelock, Dorothy, M.A., Litt.D.
Camb., M.A., F.S.A., F.R.Hist.S.
(*Engl. Lang.*).

*Gardner, Helen L., M.A. (*Engl. Lit.*).

*Crowe, Sybil E., Ph.D. Camb., M.A.
Camb. and Oxon., F.R.Hist.S.
(*Politics*).

* Official Fellow.

- *Smalley, Beryl, M.A., Ph.D. Manc., M.A., F.R.Hist.S. (*Mod. Hist.*).
 *Gerard Davis, Mrs. Mary I., M.A. (*Mod. Langs.*).
 *Tomlinson, Muriel L., M.A. Camb. M.A., D.Phil., F.R.I.C. (*Nat. Sci.*).
 *Prestwich, Mrs. Menna, M.A., F.R.Hist.S. (*Mod. Hist.*).
 Browne, Sheila J., M.A. (*Mod. Langs.*).
 *McCormick, Eileen M., B.Sc. (H. and S. Sc.) Lond., M.A., *Bursar*.
 Professorial Fellow
 Major, Kathleen, M.A., B.Litt., F.S.A., F.R.Hist.S., *Reader (Diplomatic)*.
 Thornton, J. C., M.A., *Coll. Sec.*
 Austin, Elizabeth, M.A. Camb., B.Sc. Lond., M.A., *Jr. Treasurer*.
 Marshall, Lydia M., *Librarian*.
 Creed, Mrs. Sybil, M.A., Ph.D. Camb., M.A., *Res. Fellow*.
 Philp, Barbara B., M.A., *Asst. Coll. Sec.*
 Fellowes, Helen L., *Asst. Bursar*.
 Lecturers
 Ing, Mrs. Catherine M., M.A., D.Phil. (*Engl. Lit.*).
 Paul, Mrs. Margaret E., B.A. (*Econ.*).

ST. ANNE'S COLLEGE, incorporated by Royal Charter 1952. (Formerly Society of Oxford Home-Students, 1879-1942; St. Anne's Society, 1942-52.)
 Telephone: Oxford 47683.

Principal—Hon. Eleanor Plumer, M.A.

- Tutors
 Ady, Miss Peter H., M.A. (*Econ.*).
 Barnes, Mrs. Annie M., M.A., D.Phil. (*French*).
 Bastock, Margaret, B.A. (*N.Sc.*).
 Griffiths, Mary E., M.A. (*English*).
 Hart, Mrs. Jennifer M. M., M.A. (*Mod. Hist.*).
 Morrison, Christine L., M.A. (*English*).
 Murdoch, Jean I., M.A. (*Lit. Hum.*).
 Reeves, Marjorie E., Ph.D. Lond., M.A., F.R.Hist.S. (*Mod. Hist.*),
Vice-Principal.
 Schwarzschild, Luise A., M.A. (*Old French*).
 Lecturers
 Bednarowska, Mrs. Dorothy M., M.A. (*English*).
 Mitchell, Mrs. Barbara M., M.A. (*Classics*).
 Cramp, Rosemary J., B.A. (*Engl.*).
 Leys, Mary D. R., M.A., F.R.Hist.S. (*Mod. Hist.*).
 Richmond, Joan M., B.A. (*German*).

The students keep statutable residence under conditions approved for them by the Council. They normally live in hostels or in approved houses. The College has six hostels of its own, and there are also two maintained by Religious Orders. Students over 25 yrs. of age are permitted to live in lodgings.

NUFFIELD COLLEGE, founded in 1937 by the Viscount Nuffield "to encourage research especially but not exclusively in the field of social studies and especially by making easier the co-operation of academic and non-academic persons." Telephone: Oxford 48014.

Warden—A. Loveday, D.Litt. McG., M.A.

- Official Fellows
 Perham, Margery F., C.B.E., M.A.
 Chester, D. N., M.A. Camb., M.A.
 Andrews, P. W. S., B.Sc. (*Econ.*) Lond., M.A.
 Robinson, K. E., M.A., *Reader (Colonial Admin.)*.
 Clegg, H. A., M.A.
 Connell, K. H., B.Sc. (*Econ.*), Ph.D. Lond., M.A.

* Official Fellow.

Williams, P. M., M.A.
Plamenatz, J. P., M.A.

Professorial Fellows

Champernowne, D. G., M.A. Camb.,
M.A., *Prof. of Statistics*.
Frankel, S. H., M.A. Rand., Ph.D.,
D.Sc. (Econ.) Lond., M.A., *Prof.*
of Colonial Econ. Affairs.
Cole, G. D. H., M.A. All S., *Chichele*
Prof. of Social and Polit. Theory.
Wheare, K. C., M.A. Melb., M.A. All
S., *Gladstone Prof. of Government*
and Public Admin.
Beloff, M., M.A., B.Litt., F.R.Hist.S.,
Reader (Comp. Study of Institu-
tions).
Hicks, J. R., M.A., B.Litt., F.B.A.,
Drummond Prof. of Polit. Econ.
MacDougall, G. D. A., C.B.E., M.A.,
Nuffield Reader in International
Economics.

Research Fellow

Fforde, J. S., B.A.

Faculty Fellows

Nicholas, H. G., M.A. New Coll., U.
Lectr. (Politics).

Murray, K. A. H., B.Sc. Edin., Ph.D.
Corn., B.Litt., M.A., *Rector of*
Lincoln Coll.

Wilson, T., O.B.E., Ph.D. Lond.,
M.A., Univ.

Keith-Lucas, B., M.A., *Sr. Lectr.*
(Local Govt.).

Visiting Fellows

Streat, Sir E. R., C.B.E.

Heyworth, Sir G., LL.D. St. And.,
Manc.

Morrison, Rt. Hon. H., M.P.

Woods, Sir J. H. E., G.C.B., M.V.O.,
M.A.

Hanbury-Williams, Sir John.

Crawford, J.

Rennell, Lord, K.B.E., C.B., D.L.,
M.A.

Layton, Lord, C.H., C.B.E., LL.D.
Col. and Melb., M.A.

Morrison, Rt. Hon. W. S., M.P.,
Speaker of the House of Commons.

Chaplain

Lee, Rev. R. S., B.Litt., M.A., D.Phil.
Univ.

GENERAL INFORMATION

Monasteries and abbeys brought clerks to Oxford in early Norman times, but the Univ. was not established until the reign of Henry II. About 1167, foreign-born scholars were driven out of Paris, and the rapid development at Oxford indicates that students transferred there. In the 13th century the influence of the Dominicans, Franciscans and Carmelites deeply affected the advancement of learning in Oxford, and the first three Colls. (University, Balliol and Merton) were endowed. St. Mary's Church was the official centre of Univ. life until, in the 15th century, the Divinity School was built. From the 13th century onwards a succession of Charters from the Crown strengthened the position of the Univ. In the Renaissance period the Univ. flourished, and 5 more Colls. were built. During the Reformation the Colls. suffered from confiscations of land and revenue, and the character of the Univ. changed with the dissolution of the monasteries. In 1571, the Univ. was incorporated by Act of Parliament, and much reorganization followed. The important code of statutes introduced in 1636 by Archbishop Laud, Chancellor of the Univ., remained in force with certain modifications for about 150 yrs. During the Civil War, the Univ. supported the King, who made Oxford his headquarters, and Parliament was held there. Under Cromwell, who was Chancellor from 1651 to 1657, an attempt was made to restore standards of work and discipline. Towards the end of the 18th century, the standard of studies rose as written examns. gradually took the place of oral examns. The constitution was revised in 1854 after a Royal Commission, and a Statutory Commission made comprehensive changes in 1877. College Statutes were re-made and studies

reorganized. The professoriate was increased and re-endowed. In 1871, religious tests were abolished, and the M.A. degree was thrown open to non-conformists. Thereafter the hist. of the Univ. was one of steady progress and expansion. The Royal Commission of 1920-21 made no drastic changes, but the Statutory Commission which succeeded it adapted the existing machinery to meet the needs of the times, one result being that the Univ. was given an annual Treasury grant.

CONSTITUTION. The *Congregation of the University* consists mainly of the teaching and administrative elements in the Univ. and Colleges. It is the principal legislative body in the Univ. and, subject to the postponing power of Convocation explained below, can adopt, reject or amend legislative proposals submitted by the Hebdomadal Council. *Convocation*, a larger body consisting of all Masters of Arts and Doctors of the Faculties of Divinity, Civil Law, and Medicine who have their names on the Univ. books, has the power of postponing, but not of rejecting or amending, Statutes or Decrees which have been passed by the vote of less than two-thirds of the members of Congregation present and voting. It also confers honorary degrees and degrees granted by Diploma. It sanctions petitions to Parliament, and authorizes the affixing of the Univ. seal when necessary. The *Hebdomadal Council* consists of the Chancellor, Vice-Chancellor, immediate ex-Vice-Chancellor (for one year after the expiry of his term of office), or one of the Pro-Vice-Chancellors who has not held the office of Vice-Chancellor, the Proctors, and 18 members elected by Congregation. It takes the initiative in all legislation of the Univ. and forms the central administrative body. Other important bodies, endowed with considerable powers and responsibilities, are the *General Board of the Faculties* and the *Curators of the University Chest*.

The Chancellor, elected for life by Convocation, is a non-resident Officer. The executive power is chiefly in the hands of his Deputy, the Vice-Chancellor, who is annually nominated by him from among the Heads of Colleges, and the Proctors annually elected by the Colleges, Halls and other Societies in rotation.

The Colleges are corporate bodies distinct from the Univ. They manage their own property and elect their own officers; and the Proctors have no power within their walls. Their Statutes, however, render them subject to certain Univ. Statutes which deal, among other things, with reservation of a proportion of Fellowships for Univ. teachers and officers, the assignment of Fellowships to University Professorships, the admission of undergraduates, contributions for Univ. purposes, the presentation and audit of accounts, and the special examination of catering accounts. The relation between the Univ. and the Colleges is intimate. The great majority of the members of the Univ. belong to the Colleges, and all who belong to the various Colleges are at the same time members of the Univ. Teaching is given partly by Univ. Profs., Readers, Lecturers and Demonstrators, partly by the more numerous body of College Tutors and Lectrs.

Entrance scholarships (£100) and exhibitions (£40-£80) are awarded by the various Colleges. Their actual value, in the large majority of cases, is £30 a year (or its equivalent), but a scholar or exhibitor, after election, may be granted an additional sum not exceeding the advertised maximum of his award if he supplies satisfactory evidence that he is in need of further assistance.

Under the Universities of Oxford and Cambridge Act, 1923, which set up a Statutory Commission for Oxford, new Statutes were made for the University and for the Colleges. These Statutes were laid before Parliament and received the approval of the King in Council. A summary of the most noteworthy

changes embodied in them, prepared by Sir Henry Sharp, K.C.I.E., the Secretary to the Commission, will be found in the *Yearbook* for 1929, pp. 221 and 222.

FACULTIES. Theol., Law, Med., Literæ Humaniores, Mod. Hist., Engl. Lang. and Lit., Med. and Mod. Langs., Oriental Studies, Phys. Sciences (including Maths.), Biol. Sciences, Social Studies, Anthropology and Geography, Music, Agriculture and Forestry.

ADMISSION. See Appendix I.

ADMISSION OF NON-MEMBERS OF THE UNIVERSITY (a) TO LECTURES. Admission to lectures in the Schools (but not to classes, seminars, or informal instruction) is granted on certain conditions to persons who are not members of the University on payment of £5 a Term, or, if admission to lectures in one Faculty only is desired, of £3 a Term, or, where special privileges have been granted, without fee.

Fees are to be paid at the Office of the University Chest, Clarendon Building, Broad Street. Other enquiries should be made of the Clerk of the Schools at the Examination Schools.

Non-members of the Univ. may attend lectures and classes in Mod. Foreign Langs. on payment of fees varying from 10s. to 15s. per Term for one hour a week. Application should be made to the Clerk of the Curators, Taylor Institution.

(b) **TO REGISTER OF RECOGNIZED STUDENTS.** From Michaelmas Term 1949: 1. A Register of Recognized Students who are not members of the University was established. 2. A Board of a Faculty or a Board of Studies may place the name of any applicant on the Register provided that the applicant (a) is not a member of the Univ., (b) possesses the qualifications required from candidates for admission to the status of Senior Student, (c) is placed under a Director of Studies appointed by the Board. 3. Application for admission as a Recognized Student shall be made to the Secretary of Faculties for submission to the appropriate Faculty Board or Board of Studies and shall be accompanied by (a) evidence of the degrees previously obtained by the applicant, (b) a statement of the proposed subject of study, (c) a certificate from a Prof. or Head of a Dept. of the Univ. supporting the application. 4. Every Recognized Student shall pay to the Curators of the Univ. Chest (a) a fee of £5 : 5s. on admission or re-admission to the Register, (b) a terminal fee of £5 so long as his name is on the Register, (c) a composition fee under the provisions of *Statt. Tit. XIX. § 26* (£10 or £6) if he is working as a student under regular instruction or supervision in any of the depts. or institns. included in the schedule attached to that sub-section, (d) a supervision fee of £5 or a tuition fee of £8 in every Term in respect of which he shall have been certified by his Director of Studies to have received supervision or tuition, as the case may be. 5. A Recognized Student shall cease to hold that status (a) if he shall have failed to pay the fees required under clause 4 (b), (c), or (d), (b) if his name shall have been removed from the Register by the Faculty Board or Board of Studies concerned. 6. Every Recognized Student shall be entitled: (i) to use the Univ. Libraries subject to the provision of the statutes governing particular Libraries; (ii) to attend lectures advertised in the lists of Boards of Faculties and Studies provided that attendance (a) at lectures described as seminars or classes or informal instruction shall be subject to the permission of the holder, (b) at lectures given in any Coll. bldg. shall be subject to the right of the Coll. concerned to refuse admission; (iii) to work in any Univ. Dept. or Instn. subject to the agreement of the Head of that Dept. or Instn. and subject to the provisions of clauses 3 (c) and 4 (c) above if the Dept. or Instn. is included in the schedule attached to *Statt. Tit. XIX. § 28*. 7. No Recognized Student

shall have his name on the Register of Recognized Students for more than 3 Terms. 8. A Faculty Board or Board of Studies shall have power to remove from the Register the name of any Recognized Student which it has placed on the Register.

THE ACTING ADVISER OF OVERSEAS STUDENTS. *See under* "University Administrative and other Staff," *supra*.

INCORPORATION. Members of the Univs. of Cambridge and Dublin can be, under certain conditions, "incorporated" into this Univ., *i.e.* admitted to the status and degree held in their own Univ. Notice of intention to incorporate as an undergraduate must be sent to the Registrar through the Head of a Coll., Hall or Society. The privileges of incorporation as a graduate are limited to (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 are 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: 1952-53—Oct. 12 to Dec. 6; Jan. 18 to March 14; April 26 to June 20.

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. 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.

* In special circumstances leave to reside in a house which has not been licensed may sometimes be obtained.

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 honrs. in School of Theol. exempts from this examn.

The degree of D.D. is open to those who have been admitted to the Oxford degree of B.D., subject to certain conditions of standing, provided they have submitted a thesis, or published work, of sufficient merit in some branch of Christian Theology.

LAW. The examn. for the B.C.L. degree is open either (1) to B.A.s of the Univ. or (2) under certain conditions (including residence for 6 terms) to graduates in Arts, Philos., Science, or Law of other Univs. The subjects are Jurispr., Roman, Engl., Roman-Dutch, and Internat. Law.

MEDICINE. The B.M. degree is open only to B.A.s of the Univ. who have passed certain examns. in Med. and Nat. Science. The total period of study for the degree (including the scientific subjects studied in the Arts course) is generally about 6 of 7 yrs., of which 2 or 3 may be spent in London in preparation for the more strictly professional subjects of the 2nd B.M. examn.

The M.Ch. degree is open to candidates who have passed all the examns. for the B.M. and B.Ch., and either are members of the Surgical staff of a recognized hospital or have acted in such a hospital as Dresser or House Surgeon for 6 months. A candidate for the D.M. must be a B.M., and have entered on the 30th term from matricn. and had his name on the books of some Coll. or Hall or Society for 20 terms.

Senior Students may be exempted from the preliminary examn. in Physics, Chemistry, Zoology, and Botany, in consideration of equivalent examns. passed at their previous Universities.

MUSIC. The degree of B.Mus. is open to candidates who have been admitted to the degree of B.A. with 1st or 2nd class honours in Music and have also passed an examn. in Music and composed a Musical Exercise under conditions laid down by Statute. Residence for 9 terms is required. A B.Mus. may qualify for the degree of D.Mus. by submitting a musical composition for approval and passing a further examn. in Music, but cannot submit a composition until the 9th term after his admission to the Baccalaureate.

DIPLOMAS. Many of these are open to persons who are not members of the Univ. Minimum courses and addresses of Secretaries from whom particulars can be obtained :

Education, 1 yr. (or Vacation course, v. *infra*), Director, Department of Education, 15 Norham Gardens.

Economics and Political Science, minimum 1 yr., The Secretary, Delegacy for Social Training, Barnett House.

Public and Social Administration, 1 yr. and period of practical work, The Secretary, Delegacy for Social Training, Barnett House.

Anthropology, 1 yr., The Diploma Sec., Pitt Rivers Museum.

Forestry, 1 yr., The Professor of F., School of F. Open to graduates of Oxford or other Univs.

Agricultural Economics, 1 yr., The Director, Agricultural Econ. Research Inst., Parks Rd.

Classical Archæology, 1 yr., Sec. to Committee for C.A., Ashmolean Museum.

Theology, 1 yr., Sec. of Faculties (open only to members of the University).

Comparative Philology, 1 yr., The Prof. of C.P., Worcester Coll.

Statistics, min. 1 yr., Sec. of Fac. (open only to members of the Univ.).

Slavonic Studies, 1 yr., Sec. of Faculties (open only to members of the Univ.).

Music. Open only to members of the University who must either (1) be qualified for B.A. degree at Oxford, or (2) have passed the First Public Examination, and two Groups of the Final Pass School.

Law, min. 1 yr., Sec. of Facs. (open only to members of the Univ.).

Certificates: Physical or Cultural Anthropology, 3 mos., The Diploma Sec., Pitt Rivers Museum. Training for Social Work and Public Administration, The Sec. to the Delegacy for Social Training, Barnett House. Fine Art, The Ruskin Master of Drawing, Ashmolean Museum. Statistics (as for Diploma above).

REGULAR COMMISSIONS IN THE BRITISH ARMY. A new scheme, whereby a University candidate may receive an antedate (which varies according to the class of Honours degree taken) to place him roughly on a level with his contemporaries from the R.M.A., Sandhurst, has recently been published by the War Office. 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 exams. on entry. Further information from H.Q., Oxford Univ. Air Squadron, Manor Rd., Oxford (*Telephone* : 3321).

The **DEPARTMENT OF EDUCATION** (*Address* : 15 Norham Gardens ; *Telephone* : 2174), established in 1919, is under the general direction of a Delegacy. For staff, *see under* Education. For the Univ. Dipl. in Educn. there is a 1-yr. postgrad. course of which one term is devoted to practical work in a school. 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. 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. Housed at 15A Norham Gardens (*Telephone* : 2000), under the care of the Delegacy for the Institute of Education. *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 attain-

ments; (2) his fondness for and success in manly outdoor sports, such as cricket, football, and the like; (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindness, unselfishness, and fellowship; and (4) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his school-mates."

The Dominions and Colonies. An annual Scholarship is assigned to each Province* of the Dominion of Canada; to each State of the Australian Commonwealth; to the Dominion of New Zealand (2); in South Africa to the Province of Natal, the Transvaal, the Orange Free State, the Cape Province, the S.A. College School in Cape Town, the Diocesan College School of Rondebosch, the Paul Roos Gymnasium (formerly the Boys' High School, Stellenbosch), and the St. Andrew's College School at Grahamstown, in alternate years to the Eastern Province, and not more than three annually to Rhodesia. The Colonies of Jamaica, Bermuda and Malta have each an annual Scholarship. There is at present one annual Scholp. for India, and one for Pakistan.

In founding these Scholarships, Mr. Rhodes stated that he did so because he believed that the education of young Colonists at one of our residential Universities would "broaden their view," "instruct them in life and manners" and "instil into their minds the advantage to the Colonies as well as to the United Kingdom of the retention of the unity of the Empire"

United States of America. 4 Scholarships are assigned annually to each of 8 regions, and are awarded among candidates sent forward from each State, of which there are 6, in the region. The reason given by Mr. Rhodes for founding the American Scholarships is his "desire to encourage and foster an appreciation of the advantages which I implicitly believe will result from the union of the English-speaking people throughout the world, and to encourage in the students from the U.S. . . . an attachment to the country from which they have sprung, but without I hope withdrawing them or their sympathies from the land of their adoption and birth." *The American Oxonian*, the official magazine of the Alumni Asscn. of American Rhodes Scholars, is published quarterly.

Number actually in residence, 1950-51, 178 (88 from the Brit. Commonwealth and 90 from the U.S.A.).

General. Candidates must be between 19 and 25 years of age and unmarried. They must be citizens of the country from which they come—usually with 5 yrs.' domicile; and must have at least 2 yrs.' standing at a regular degree-granting College or Univ., except in a few special cases. Detailed information for each country may be obtained from the offices of the Rhodes Trust, 36 Beaumont Street, Oxford.

Secretary to the Rhodes Trustees—The Lord Elton, 36 Beaumont Street, Oxford (Telephone: 48163). *Warden of Rhodes House, Oxford*—E. T. Williams, C.B., C.B.E., D.S.O., M.A. (Telephone: 2170; Telegrams: Augury, Oxford). *Local Secretaries: U.S.A.*—Courtney Smith, 175 Prospect Ave., Princeton, N.J.; *Canada*—D. R. Michener, Q.C., 5 Rosedale Rd., Toronto, 5; *Australia*—Sir John Behan, LL.D., Silvermist, Olinda, Victoria; *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.

* Two each to Quebec and Ontario.

The APPOINTMENTS COMMITTEE deals with appointments of all kinds. It has representatives and correspondents in all Colls. and co-opted members from Industry, etc. Sec., C. E. Escriott, M.A. Keb. Ednl. Sec., A. R. Woolley, M.A. Wadh.; Asst. Sec. (Tech.), A. W. Selwyn, M.A. B.N.C.; Asst. Sec., A. H. B. McClatchey, M.A. B.N.C., 41 St. Giles'. *Telegrams*: Appointments, Oxford. *Telephone*: 3225.

1951: 689 permanent appointments, including: Government, 94; Education, 271; Commerce and Industry, 298; Journalistic, etc., 18; Miscellaneous, 8. Temporary, 66.

WOMEN'S APPOINTMENTS COMMITTEE. Sec., Doris M. Fone, M.A., 41 St. Giles', Oxford. *Telephone*: 2104. Hours, 9-5, Sats. 9-12.

1951: 170 appointments, including: Government, etc., 8; Commerce and Industry, 27; Technical and Scientific, 4; Social Service, 10; Secretarial, 20; Literary, 14; Research, 7; Wardens and Bursars, 1; Educational, 43; Vacation posts, 16.

The BODLEIAN LIBRARY, founded by Sir Thomas Bodley in 1602, which is also the general library of the Univ., contains over 1,750,000 printed books and 50,000 MSS. Persons other than members of the Univ. are admitted on presenting a recommendation from someone in a responsible position in Oxford or elsewhere, knowing the applicant personally. The *Visitors' Guide* (on sale at the Library) gives a short history. The chief books relating to it are: Macray, W. D., *Annals* (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.); *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 200,000 vols., consisting of books and periodicals on Mathematics, Natural Science and Medicine.

The Indian Institute Library, devoted to Indian studies. There is also in the Indian Institute a museum illustrating Indian antiquities and Indian life.

Rhodes House Library (history of the British Commonwealth and the U.S.A.).

The TAYLORIAN LIBRARY (Modern Languages and Literature), 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 : 2467) and *Museum area*, Parks Road and South Parks Road, include collections and laboratories with the following depts. : Med., Human Anat., Pathol., Pharmacol., Chem. (Dyson Perrins Lab., Physical Chem. and Inorganic Chem. Labs.), Chem. Crystallog., Geol., Mineral., Engin. Science, Physics (Clarendon and Electrical Labs.), Physiol., Biochem., Zool. and Comparative Anat., Bot., Entomol. (Lepidoptera collection illustrating mimicry, etc.).

The Ashmolean Museum, Beaumont Street (Telephone : 2522) (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 : 2467) (Dept. of Ethnol. (Technol.)) (Curator—T. K. Penniman, M.A. Trin.), has an anthropological collection illustrating the evolutionary history of material arts.

LABORATORIES : Electrical ; Clarendon (Physics) ; 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 (expl. plantations and forest garden) ; Human Anat. ; Pathol. and Bacteriol. ; Human Nutrition ; one *Observatory*.

THE DEPARTMENT OF FORESTRY (Imperial Forestry Institute), South Parks Road (Telephone : 3257)—Professor H. G. Champion, C.I.E., M.A., D.Sc. St. Joh.—trains students for the B.A. Honours degree and the postgraduate Diploma and also those selected for Colonial Forest Service Probationerships ; it provides 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 : 47437). Prof. G. E. Blackman, M.A. St. Joh., is responsible for the teaching of agriculture for the Honour School. Such teaching is undertaken in collaboration with the *Agricultural Economics Research Institute*, Parks Road (Telephone : 2775)—Director, A. W. Ashby, M.A. Linc. The Institute runs a postgrad. 1-yr. course for the Dipl. in Agric. Economics. The Dept. of Agriculture is actively engaged in research in the fields of crop physiol. and experimental agronomy, with especial reference to the development of selective herbicides and the application of radioactive isotopes to biological investigations. Facilities for research are available both within the Dept. and at the Univ. Field Station, Wytham. The Inst. covers a wide field of research in agricultural economics.

THE NUFFIELD INSTITUTE FOR MEDICAL RESEARCH, Woodstock Road (Telephone : 3713), founded 1935. Director—G. S. Dawes, D.M., B.Sc. Worc. The Institute is housed in the old Radcliffe Observatory, which, with its surrounding grounds, was purchased by Lord Nuffield from the Radcliffe

Trustees and presented to the Univ. to be converted for its present purpose. The Board of the Faculty of Medicine is required to make provision in the Institute for the study of clinical, physiological, pharmacological and anatomical problems by means of radiological and allied techniques, including X-ray cinematography, for so long as it may think desirable, and for such other subjects of study as it may from time to time determine.

THE OXFORD UNIVERSITY INSTITUTE OF STATISTICS, founded 1935, is a centre for statistical research in economics and social studies and for the teaching of statistical methods. It publishes a monthly bulletin and occasional papers and monographs. A library of 20,000 vols. on economics and statistics is available to members of the Univ. Director—F. A. Burchardt, M.A. Magd. Address : St. Cross Rd., Oxford. (*Telephone* : 48239.)

UNIVERSITY OF OXFORD INSTITUTE OF EXPERIMENTAL PSYCHOLOGY, 34 Banbury Rd. (*Telephone* : 2080), founded 1936. Director—Prof. G. Humphrey, M.A. Magd.; Sr. Lectrs.—..... (Gen. Psychol.); B. Babington Smith, M.A., New Coll. (Exp. Psychol.); Lectrs.—..... (Soc. P.); H. Kay, M.A. Camb., M.A. Univ. (Exp. Psychol.); Jr. Lectr.—J. A. Deutsch, M.A. Jes.

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., F.R.S.) or a deputy, the BUREAU OF ANIMAL POPULATION (*Telephone* : 4261) and the EDWARD GREY INSTITUTE OF FIELD ORNITHOLOGY (*Telephone* : 47826) (first established by Statute of the Univ. in 1938). Now housed at the Old Botanical Lab., High St., Oxford. The work of the Dept. of Zoological Field Studies 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 SOCIAL MEDICINE, established by resolution of the Nuffield Provincial Hospitals Trust on July 15, 1942, for 10 yrs. in first instance. Housed in 10 Parks Rd., Oxford (*Telephone* : 47257). Its main purpose is to investigate the influence of social, genetic, environmental, and domestic factors on the incidence of human disease and disability, and to provide teaching in social medicine for medical students during their clinical training. Director—Alice Stewart, M.D. Camb., M.A. L.M.H., F.R.C.P.

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* : 4656), 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.

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*: 3420) (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*: 3244), 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., but students with certain qualifications may apply for permission to pursue a course extending over not less than 2 yrs. The Certif. 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. 9d.). Secretaries: at Oxford—G. J. R. Potter, M.A., 74 High Street (*Telephone*: 3549); at Cambridge—A. E. E. McKenzie, M.A., 10 Trumpington Street (*Telephone*: Cambridge 4658).

The OXFORD DELEGACY OF LOCAL EXAMINATIONS, Merton Street (*Telephone* 2456), holds examinations and awards a General Certificate of Education in the summer and autumn, at centres in Gt. Britain and Northern Ireland, in Malta, and at a few other overseas centres. Successful candidates will, on certain conditions, be exempted from Responsions, the Cambridge Previous, various matricn. examns. and Univ. Intermediate Examns. State Scholps. and Major Scholps. of certain Local Education Authorities are awarded on the results of the General Certif. of Educn.* The Regulations (post free 2s. 6d.) may be obtained from the Secretary of Local Examinations, 12 Merton Street. The Examination is open to persons of both sexes. There is an age limit below which candidates may not enter except under certain conditions. Candidates need not be in attendance at any educational institution.

* See pp. 9-10.

In Summer 1951 the G.C.E. was held at 676 centres, of which 15 were overseas. The total number of candidates was 22,704, of whom 3381 took some papers at Advanced Level.

In Autumn 1951 the G.C.E. was held at 303 centres, of which 7 were overseas. This examn. was limited to Ordinary Level papers and there were 4333 candidates.

EXTRA-MURAL STUDIES. This Delegacy is concerned to promote on behalf of the University the liberal education of adults who are not members of the University. Its work takes the form of classes and courses, some of which are residential, arranged in the main in the counties of Oxon., Berks. and Bucks., North Staffs., Kent and East Sussex and the City of Lincoln. It co-operates closely with L.E.A.s, with the W.E.A., and with other voluntary bodies in the aforesaid regions. The Delegacy may recommend the admission of adult students to the University without the necessity of passing Responsions. The Secretary to the Delegacy is F. W. Jessup, M.A. The work is carried on through :

(1) The Tutorial Classes Committee, responsible for the provision of Three-Year Tutorial and One-Year Preparatory Tutorial Classes. The classes meet once a week for 2 hours from Sept. to April. Students pledge themselves to continue for the duration of the course, and undertake reading and written work under the guidance of Univ. tutors. The Committee also conducts an annual Summer School and a Winter School. The Organizing Secretary is F. V. Pickstock, M.A.

(2) The University Extension Lectures Committee, responsible for the provision of courses of lectures held weekly or fortnightly, consisting usually of from 6 to 24 meetings, conducted by lecturers approved by the Committee. The Committee is also responsible for the provision of vacation courses, including courses for students from overseas. The Supervisor of Studies is D. J. Wenden, M.A.

The offices of the Delegacy and its Committees are at Rewley House, Wellington Square, Oxford. (*Telephone* : 47203.)

EXPENSES. "It is not possible to make any general estimate of the cost of a University course, which varies with different Societies and depends upon the student's own means and tastes. It must suffice here to enumerate certain items common to all undergraduates, and to recommend persons anxious for further details to consult the authorities of the Society which they wish to join."

The *General Information* pamphlet quoted in the paragraph above also specifies the following items:—I. *Payments on Commencing Residence* : *University*—Matricn. fee, £6. *College*—(1) Admission fee, average £15. (2) Caution money (returned when name is removed from the books, and often in part on taking a degree). Varies for Commoners from £30 to £10. Scholars are sometimes excused altogether. II. *Payments during Residence* : *University*—(1) Dues, £6 : 6s. p.a., paid terminally for twelve Terms ; thereafter £1 p.a. (except for M.A.s). (2) Examn. fees, about £10 in all for the B.A. course, exclusive of Responsions. (3) Degree fees, B.A., B.Litt., or B.Sc. degrees, £7 : 10s. *College*—(1) Tuition fee, usually £45 p.a. : it is increased for students who read science or require extra tuition. (2) Coll. dues vary ; say, £9 : 9s. p.a. (3) Subscriptions to Clubs vary ; say, £8 : 8s. to £10 : 10s. p.a. (4) The method of reckoning fees and charges varies. In some colls. there is an inclusive charge of £65 to £70 per term. This charge covers items (1) and (2), board (breakfast, lunch, dinner), lodging, service, fuel and lighting (but not personal laundry). Some Colls. scale the charge according to the rooms occupied ; some make other minor adjustments. In

other Colls. the main items are included in a terminal composite fee of about £65 to £70 per term, the remaining items being charged separately. Either system leads to a total Coll. bill of between £80 and £100 per term. (5) Degree fees, which vary between £5 and £1.

The scale of charges is under consideration in many Colls. and may be adjusted to meet any considerable changes in maintenance and service costs.

The necessary expenses of a student of St. Catherine's Soc. have been estimated (in 1951) at about £200 to £220 p.a. for board, lodging, fees and subscriptions. Some students pay additional fees for laboratories and lectures. Any increase in the general cost of living is liable to be reflected in the cost of board.

VACATION COURSES. *See under* Extra-Mural Studies on p. 443.

STUDENT HEALTH SERVICE. The University did not adopt the scheme outlined in the 1952 edition of the *Yearbook*.

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 3s. extra); *Resident Members*, with their addresses, 6s. net per term, by post 6s. 3d.; *Oxford and Cambridge Schools Examn. Board*, Annual Report (1s. net, by post 1s. 3d.); Regulations, 1s. 6d. net each (post 1s. 9d. each), Lists of Successful Candidates, and Papers of the School Certificate Examinations. All the above are obtainable from the Oxford University Press, Press Road, Neasden, London, N.W.10, as are likewise the official *University Gazette* (annual subscription, 10s. 6d. post free) and the *Oxford University Press General Catalogue*. Unofficial periodicals: *Oxford Magazine* (during term), 6d.; *Oxford* (annually), 1s. 6d. net; *Isis* (during term), 6d.; *Cherwell* (during term), 6d. Among other sources of information regarding the University the following may be cited: Wood, A., *Hist. of the Univ. of Oxford*, 3 vols., 1792-96; Wood, A., *Athenæ Oxon. (with Fasti)*, ed. by P. Bliss, 4 vols., 1813-20; Maxwell-Lyte, H. C., *Hist. of the Univ. of Oxford to 1530*, 1886; Foster, J., *Alumni Oxon., 1550-1886*, 8 vols., 1887-92; *The Colleges of Oxford*, ed. by A. Clark, 1891; *College Histories*, published by F. E. Robinson & Co.; Headlam, C., *The Story of*

Oxford, 1907 ; Mallet, Sir C., *Hist. of the Univ. of Oxford*, 2 vols., 1924 ; Barnard, F. P., and Shepard, T., *Arms and Blazons of the Colleges of Oxford* (O.U.P., 7s. 6d. net) ; Fletcher, C. R. L., *Handy Guide to Oxford* (O.U.P., 2s. 6d. net) ; *The Government of Oxford*, 1931.

UNIVERSITY PRESS. The University Press is a dept. of the University controlled, through their Secretary, by a board consisting of the Vice-Chancellor and Proctors and ten Delegates appointed from members of Convocation. Its headquarters are at Oxford, in the Clarendon Press building, where are also the publishing dept. responsible for learned books, and the printing works. Books produced at Oxford are distributed by the Publisher to the University in London, who himself publishes for the University other classes of less learned books. In addition to these depts., and a paper-mill at Wolvercote, Oxford, the Press also owns and controls branches overseas, for the production of books of local interest as well as the sale of those produced in England.

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 1950-51

SUBSTANTIAL BENEFACTIONS. Goodger Med. Scholps. ; Lyell Readership in Bibliog. ; Miranda Scholp. ; gifts for Ashmolean Museum from Mrs. Parlett, National Art-Collections Fund, C. H. L. Emanuel, L. Forrer, Arts Council, shareholders of journal *Old Master Drawings*, and an anon. donor ; gifts for Bodleian Library from Anglo-Swedish Lit. Foundation, Visc. Bledisloe, Hong Kong Univ., Magdalen Coll. and A. A. Houghton ; grant from Univs. China Cttee. for work by Prof. Dubs ; transport of books for Chinese Fac. library by Messrs. Jardine, Matheson & Co., and Glen Line ; grants from Nuffield Fund for work in Phys. Chem. Lab. and Dept. of Zool. and Compar. Anat. ; gift from Mr. and Mrs. Spalding for renewal of Lectureship in Eastern Orthodox Culture ; renewal of endowment for I.C.I. fellowships ; renewal of Elmhirst Studentship in Agric. Econ. ; grant for Dept. of Forestry from Schlich Memorial Fund ; and bequest from Mrs. H. H. Simmons ; grant from Messrs. Parke, Davis & Co. for spectrophotometer for Pharmacol. Dept. ; grant for Nuffield Ophthalmological Lab. from National Council to Combat Blindness, Inc., N.Y. ; grant for Phys. Chem. Lab. from Inst. of Petroleum ; anon. grant of £2000 for work on rodents in Bureau of Animal Population ; grant from British Empire Cancer Campaign for res. in Dyson Perrins Lab. ; bequest of \$100 from Miss E. Rosencrantz for Osler Memorial Fund ; bequest of £1300 from Miss U. M. Goodwin for St. Anne's ; bequest of £1000 from Mrs. A. B. Gardner for Theological exhibitions at St. Edmund Hall.

NEW BUILDINGS. Extension of Nuffield Dept. of Surg. ; Bot. Bldg.

NEW POSTS. Readership in Human Nutrition ; Directorship of Inst. of Colonial Studies ; Readership in Conflict of Laws ; Readership in Recent Social and Econ. Hist. ; and 13 other appts. by the General Bd. to Readerships, Lectureships and Demonstratorships.

OTHER DEVELOPMENTS. Establishment of Lab. of Human Nutrition and of Inst. of Educn. ; adoption of scheme for an Oriental Inst. as soon as a bldg. licence can be obtained.

LEGISLATION AND CHANGES IN REGULATIONS. Establishment of Dipl. in Law; revision of structure of Law Moderations; changes in regulns. for Jurisprud.; change in supervision arrangements for res. students; developments in colonial studies; change in Litchfield clin. Lectureships in Med. and Surg.; changes in regns. for Oriel Prof. of Interpretation and Nolloth Prof. of Philos. of Christian Religion; increase in allowances of certain Sci. profs.; adoption of new form of Univ. Accounts; various minor changes in regulns. for examns. and admin.; suspension of Professorship of Social Med.; alteration of Nuffield Scheme for Dominion Demrs. and Clin. Assts.; alterations in composition of certain Univ. bodies; increase in value of Egyptian Essay Prizes; minor alterations in regulns. for 14 scholps. and prizes.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. E. A. Helms, Ohio; Dr. W. O. Quine, Harv.; Prof. J. W. Smith, Prin.; Prof. H. Greenlee, Asbury; Prof. O. K. Bousma, Smith Coll.; Prof. R. V. Pound, Harv.; Prof. D. C. Allen, Johns H.; Prof. B. Crawford, Minn.; Dom B. Capelle, Louvain; Prof. Fawtier, Paris; Dr. Biescheuval, S.A. Council for Sc. of Ind. Res.; Prof. Battifol, Lille.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. J. V. Harrison, Ill.; Prof. T. Burrow, India; Prof. Macintosh, N.Z. and Australia; Dr. J. H. C. Morris, Harv.; Prof. M. H. L. Pryce, Prin.; Prof. S. Chapman, Pasadena; Prof. E. Ll. Woodward, Prin.; Dr. E. B. Ford, Australia and N.Z.

RETIREMENTS. Warden of Wadham from Professorship of Poetry; R. V. Lennard from Readership in Econ. Hist.

RESIGNATIONS. Very Rev. J. H. S. Wild (Master of Univ. Coll.), apptd. Dean of Durham; A. B. Emden (Principal, St. Edmund Hall), on account of ill health; C. H. Dobinson (Educn.), apptd. to professorship, Reading Univ.; Sir E. Ll. Woodward (Mod. Hist.), apptd. to post at Princeton; Sir Hubert Henderson (late) (Drummond Prof.), apptd. Warden of All Souls; Prof. A. L. Goodhart (Prof. of Jurisprud.), apptd. Master of Univ. Coll.; Miss K. Chesney (Vice-Principal of St. Hilda's), apptd. Principal of Westfield Coll.; Dr. R. C. F. O. Pfeiffer (Gk. Lit.), apptd. to Professorship, Munich.

DEATHS. A. Besse; Rt. Hon. E. Bevin; H. F. B. Brett-Smith; J. B. Brigden; Sir Harold Butler; H. E. Butler; Rt. Rev. A. A. David; G. E. Gask; Dr. G. R. Girdlestone; Sir Wm. Goodenough, Bt.; J. P. Maxton; W. Alison Phillips; Dr. E. Prestage; Rev. Dr. G. C. Richards; Rev. Dr. A. E. Salter; Sir L. A. Selby-Bigge, Bt.; Dr. R. W. Seton-Watson; Mrs. H. H. Simmons; B. H. Sumner; Sir Ernest Swinton; B. W. Tucker; Dr. H. M. Vernon; Dr. T. Wood.

HONORARY DEGREES. *D.C.L.*—Most Hon. Marquess of Salisbury, Hon. Student of Christ Church; Earl of Crawford and Balcarres; Visc. Alexander of Tunis, Governor-General of Canada; L. B. Pearson, Hon. Fellow of St. John's, Sec. of State for External Affairs, Canada; Rt. Hon. Sir G. M. Huggins, Prime Minister of S. Rhodesia. *D.Litt.*—Taha Hussein Bey, Egyptian Minister of Public Instruction; Miss Edith Sitwell, writer; A. D. Waley, Hon. Fellow of King's, Camb., Chinese scholar; W. de la Mare, Hon. Fellow of Keble, writer; Señor Don Manuel Gómez Moreno, formerly Prof. of Mussulman Arch. at Madrid Univ.; S. E. Morison, formerly Harold Vyvyan Harmsworth Prof. of American Hist. *D.Sc.*—O. Vogt, Prof. at Inst. für Hirnforschung, Neustadt; Sir J. Chadwick, Master of Gonville and Caius, Camb.; J. H. Oort, Prof. of Astron., Leiden; G. G. Simpson, Chairman of Dept. of Geol. and Palæontol., American Museum of Nat. Hist., N.Y. *M.A.*—J. F. Carr, formerly

Dir. of Educn., Stoke-on-Trent ; R. E. Clifford, Hd. Clerk, Univ. Registry ; J. A. Cochrane, Dep. Sec. to Curators of Univ. Chest.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	6122
Women	..	1085
Total	..	7207

Included in the above are 770 postgraduate students and 2545 persons entering the University for the first time.

DEGREES. *Arts*: B.A., 1663 and 13 incorporations ; M.A., 1000 and 10 incorporations ; D.Litt., 2 ; B.Litt., 73 ; B.Phil., 15. *Div.*: B.D., 7 ; D.D., 1. *Law*: B.C.L., 15 ; D.C.L., 1. *Med.*: B.M., 73 ; M.Ch., 1 ; D.M., 21. *Music*: B.Mus., 4 ; D.Mus., 0. *Sci.*: B.Sc., 30 ; D.Sc., 0. *All Facs.*: D.Phil., 144.

UNIVERSITY OF READING*

Founded 1926

Postal Address : Reading, Berkshire.

Telephone (Registrar) : Reading 4422.

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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

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Betts, J. A. Prof.

Lecturers

Bayford, Valerie E. (Embroidery,
etc.).

Carter, A. C., F.R.B.S. (Modelling
and Sculpture).

Clark, H. F. (Landscape Archit.).

Finney, H. (Drawing and Paint-
ing).

Ormrod, F. (Design).

McCance, W. (Typog., etc.).

Davies, T. Barry (Art Educn.).

Redman, H. V.

Sessional Lecturers

Stanfield, Marion W., F.R.S.A.
(Sculpture).

Ettlinger, L. D., Ph.D. Marburg
(Hist. of Art).

Talfourd Cumming, T., F.R.I.B.A.
(Architectural Design).

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.

Hora, F. B., B.A., D.Phil. Oxon.

Watson, E. V., B.Sc., Ph.D.
Edin.

Warren Wilson, J., B.A. Oxon.

Chemistry, v. also Agr.

Guggenheim, E. A., M.A., Sc.D.
Camb., F.R.S. Prof.

Lecturers

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Dean, Fac. of Letters,
Prof.

Williams, R. D., M.A. Camb. Lectr.

Stephen, Mrs. Gwendolen M., M.A.
Camb. Lectr.

Dunston, A. J., B.A. Camb., B.A.
Lectr.

Creed, J. L., B.A. Camb.
Asst. 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

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Murray, Clara A., B.Sc. Lond.

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and R'dg., F.G.S. Lectr.

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F.G.S. Lectr.

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Ievers, S. E., B.A. Dub. Lectr.

Reilly, Pamela M. A., M.A., Ph.D.
N.U.I. Lectr.

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Richards, T., B.Sc., Ph.D. Lond.
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Shattock, P. M. Frances, B.Sc.
Edin., Ph.D. Lectr.
Rhodes, Muriel E., B.Sc. Lond.
Asst. Lectr.
Chislett, Margaret E., B.Sc.
(Dairying) Asst. Lectr.

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8 Teachers.

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Prof.
Parkinson, G. H. R., B.A. Oxon.
Lectr.
Coulthard, Jean, B.A. Wales
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Jutsum, P. J., B.Sc.
Mitchell, E. W. J., M.Sc. Sheff.,
Ph.D. Brist.

Robinson, K., Ph.D. Leeds and
Camb.

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Reynolds, W. N., B.Sc. Lond.

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F.B.Ps.S. Sr. Lectr.
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Lectr.
Bruce, D. J., B.A. Asst. Lectr.

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D.Sc. Lond. Prof.
Eales, Nellie B., D.Sc. Lond.
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Crichton, M. I., B.Sc. Edin. Lectr.
Mann, K. H., B.Sc. Lond. Lectr.
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Stoneman, W. E., M.A. Camb.
Museum Curator.
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Hon. Res. Fellow.

Agriculture and Horticulture

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Sec. to Fac.

Agriculture

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ing and Bldg. Constructn.).
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(Farm Mechanization).
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Durh. (Farm Mech.).
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Agricultural Botany

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F.L.S. Prof.

Lecturers

Erith, Adela G., B.Sc., Ph.D.
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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.).

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.,
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Hand, C. J. E., B.Sc. (Agric.)
Asst. Lectr.
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Asst. Lectr.
Geake, F. H., M.Sc. Brist.
Hon. Res. Fellow.

Agricultural Economics

Thomas, E., B.Litt. Oxon., B.Sc.
Wales
Prof. and Provincial Agri-
cultural Economist.
Bisset, G. B., B.Sc. Aberd., M.S.
Corn. Sr. Res. Economist.
Blagburn, C. H., B.Sc. (Agric.)
Lond. Sr. Res. Economist.

Tuck, R. H., M.A. Oxon. Lectr.
Mills, F. D., B.A. Manc.
Asst. Lectr.
7 Res. Assts. and 1 Res. Fellow in
Rural Sociol.

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, Mrs. Mary, B.Sc. Leeds.
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.
1 Asst.

Dairy (N.I.R.D.)

Chapman, Helen R.
2 Assts.

Dairying

Crossley, E. L., B.Sc. Lond.,
F.R.I.C. Prof.
Sheppard, Anne Lectr.
Cheke, Valerie E. Lectr.
Rothwell, J., B.Sc. (Dairying).
Lectr.
Caldicott, Claudette R., B.Sc.
(Dairying) Lectr.

Dairy Engineering (N.I.R.D.)

Hall, H. S., B.Sc. (Agric.) Head.

* N.I.R.D. = National Institute for Research in Dairying, v. p. 453.

Thiel, C. C., B.Sc. (Agric.) W.Aust.,
Ph.D.

Burton, H., B.Eng. Sheff.

4 Assts.

Dairy Husbandry (N.I.R.D.) *

Foot, A. S., M.Sc. Head.

Braude, R., Ph.D.

Dodd, F. H., B.Sc. (Agric.).

8 Assts.

Feeding and Metabolism

(N.I.R.D.)

Bartlett, S., M.C., B.Sc. (Dairy-
ing), Ph.D. Head.

Balch, C. C., B.Sc. (Agric.), Ph.D.

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.

4 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.

Webb, F. H. Manager and Instr.
at Hortic. Station.

Lloyd, J. R. Instr.

1 Demr.

Microbiology, v. *supra*

Nutrition (N.I.R.D.)

Kon, S. K., Ph.D. Warsaw, D.Sc.,
F.R.I.C. Head.

Henry, Kathleen M., B.Sc. Lond.
and N.U.I., Ph.D. Aberd.

Thompson, S. Y., B.Sc. (Agric.),
Ph.D.

Porter, J. W. G., M.A., Ph.D.
Camb.

Goodwin, Mrs. Marie E., Ph.D.

Kon, Mrs. Phyllis M., Ph.D.

Hon. Res. Asst.

1 Hon. Res. Fellow, 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.

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.

Glascok, R., B.Sc., Ph.D. Lond.

1 Hon. Res. Fellow, 4 Assts.

Statistics (N.I.R.D.)

Cox, C. P., M.A. Oxon. Head.
2 Assts.

University Extension

6 Tutors.

ADMINISTRATIVE AND OTHER STAFF

WARDENS OF HALLS OF RESIDENCE : J. S. L. Waldie, B.Sc. Edin. (Wantage Hall) ; T. R. M. Creighton, M.A. Camb. (St. Patrick's Hall) ; J. W. Y. Higgs, M.A. Camb. (Whiteknights Park House) ; Ursula F. Martindale, M.A. Camb. (St. Andrew's Hall) ; Evelyn M. Wiseman, M.A. Aberd. (Wessex Hall) ; Moya K. Cahill, LL.B. Belf. (St. George's Hall) ; Helen S. Kermod, M.A. Liv. (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.

* N.I.R.D.=National Institute for Research in Dairying, v. next page.

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' Asscn., Nat. Farmers' Union, etc. It has ten Depts.: Chemistry, Bacteriology, Feeding and Metabolism, Dairy Husbandry, Nutrition, Physics, Physiology, Dairy, Dairy Engineering, and Statistics.

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, 100,000 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); 25,001 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.

The Charter provides that degrees representing proficiency in technical subjects shall not be conferred without proper security for testing the scientific or general knowledge underlying technical attainments.

An oral examination forms part of the Final examn. for a B.A. degree with honours, except in Mathematics, and, at the discretion of the Examiners, may form part of the First University Examn. in Arts or of the Final Examn. for 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, 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. 452; for Fees *see* "Expenses," *infra*.) For Men: Wantage, Upper Redlands Rd., 122 students; St. Patrick's, Northcourt Ave., 142 students; Whiteknights Park House, 23 students. For Women: St. Andrew's, Redlands Rd., 132 students; Wessex, Redlands Rd., 85 students; St. George's, Elmhurst Rd., 72 students; Mansfield, Kendrick Rd., 65 students. Full-time day students living in recognized houses or at home in or near Reading, are associated in St. David's Hall, a non-residential club.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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—Dairying, £35 for 1st, £41 for 2nd, yr.; Landscape Archit., £30; General Bact. (postgrad.), £35 p.a.; 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 p.a. Tuition fees are in most cases reduced by 25 per cent. to students from neighbouring counties, under certain conditions.

EXPENSES. Total average necessary yearly expenses (excluding travelling, clothing, and personal laundry) about £180 p.a., namely: (i) Registration, matriculation, cap and gown, tuition, examination, and graduation, average £43 p.a. for a degree student. (ii) Maintenance, including board and lodging in Halls or lodgings and sanatorium fee, maximum for 30 weeks about £120 for either a man or a woman student. (iii) Personal, including subscription to Union (£5: 5s. p.a.), and cost of books and stationery, widely variable, say, £10 p.a.

APPOINTMENTS. The Registrar.

STUDENT ORGANIZATIONS. Students' Union and Representative Council. An Old Students' Association meets annually at the Univ. at Whitsuntide.

STUDENT ATHLETIC FACILITIES. Gymnasium; Athletics Grounds; Squash Courts; Rowing facilities.

UNIVERSITY EXTENSION, ETC. Evening classes are held in Fine Art. Tutorial classes are held in connexion with the W.E.A.

PUBLICATIONS. *Calendar* (Sept.), 5s.; *University Gazette*; General Prospectus (illustrated); Departmental Prospectuses (Degree courses, Education, Agriculture, etc. inc. Landscape Architecture, Fine Art, Music; Scholarships and Studentships).

THE YEAR 1950-51

DEVELOPMENTS. Establishment of Museum of English Rural Life in December 1950, to preserve material that is rapidly disappearing from the countryside, and build up a collection for research: over 1200 exhibits by Sept. 1951. Institution of grade of Senior Lecturer.

BENEFACTIONS. Mrs. Meyer Sassoon, £5000 for travel scholps. to promote studies within purview of Fac. of Agric. and Hortic.

ADULT EDUCATION. In conjunction with W.E.A., 5 Tutorial and 4 Sessional Classes organized in Reading.

RETIREMENTS. Prof. H. C. Barnard (Educn.); Prof. J. Desseignet (French).

RESIGNATIONS. J. A. Crook (Classics); O. H. Edwards (German); Mary B. Scrutton (Philos.); K. G. E. Wade (Agric.); Audrey Jones (Microbiol.).

DEATHS. J. W. Dodgson (Lectr. in Chem., 1904-34, 1941-45); Nora C. Jolliffe (Lectr. in Classics, 1928-34); Ada S. Barrett (Teacher of Needlework, 1913-36).

HONORARY DEGREES. *D.Litt.*—Sir John Beazley, Prof. of Classical Archaeol., Oxon.; H.E. Monsieur René Massigli, French Ambassador; Prof. Sir Frank Stenton, formerly Vice-Chancellor; Dame Ninette de Valois, Director, Sadler's Wells Ballet. *D.Sc.*—Baron Aberconway, Pres., Royal Hortic. Soc.; Sir John Russell, formerly Dir., Rothamsted Exper. Stn.; Sir Henry Tizard, Chairman, Advisory Council on Scientific Policy. *M.Sc.*—R. J. Garner.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	86	598
Women	133	492
Total	219	1090

Included in the above are 216 postgraduate students and 314 new admissions.

DEGREES. B.Sc. (in Agric.), 40; B.Sc. (in Dairying), 24; B.Sc. (in Hortic.), 16; B.Sc. (Hons., Fac. of Agric. and Hortic.), 6; B.A., 90; B.Sc., 58; M.A., 5; M.Sc., 1; Ph.D., 21.

DIPLOMAS. 91.

THE UNIVERSITY OF SHEFFIELD*

Founded 1905

Postal Address : Sheffield, 10.

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., 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.

TREASURER—Lt.-Col. W. H. OLIVIER, M.A.

REGISTRAR—A. W. CHAPMAN, D.Sc., 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.

Demonstrators

McMinn, R. M. H., M.B., Ch.B.
Glas.
Mitchell, J. E., M.B., Ch.B. Wales.
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.Ed.

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.

Powis, G. J., M.A. Lectr.

Daykin, A., B.A. Lectr.

Wragg, R. B., M.A. Lectr.

Wilson, J. Lectr.

Johnson, H. R., Dip.Arch. Lectr.

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

- Jenkins, J. M., Dip.Arch. Cardiff
Lectr.
- Jackson, V., B.Arch. Liv. Lectr.
- Leighton, H. B., M.A., F.R.I.B.A.
(Building Sci. Subjects) Lectr.
- Bacteriology*, v. Medicine, *infra*
- Biblical History and Literature*
- Bruce, F. F., M.A. Aberd. and
Camb.
Sr. Lectr. in charge of
Dept.
- Guilding, Aileen E., M.A. Oxon.
Asst. Lectr.
- Biochemistry*, v. Medicine, *infra*
- Biology*, v. Botany and Zool.
- Botany*
- Clapham, A. R., M.A., Ph.D.
Camb.
Dean, Fac. of Pure Sci.,
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.
- Chemistry*
- Haworth, R. D., B.Sc. Oxon.,
D.Sc., Ph.D. Manc., F.R.S.,
F.R.I.C. Firth Prof.
- Stevens, T. S., B.Sc. Glas., D.Phil.
Oxon. (Organic C.) Reader.
- Lawrence, A. S. C., Sc.D., Ph.D.
Camb., F.R.I.C. (Colloid C.)
Reader.
- Smith, T. B., B.Sc., Ph.D. Lond.
(Analytical C.) Sr. Lectr.
- Lecturers
- Turner, Emily G., M.Sc.
- Lamberton, A. H., B.Sc., Ph.D.
Glas.
- Peacock, D. H., M.A. Camb., D.Sc.
Lond., F.R.I.C.
- McKenna, J., M.Sc., Ph.D. N.U.I.
- Tyrrell, H. J. V., B.A., B.Sc.
Oxon.
- Wyatt, P. A. H., B.Sc., Ph.D.
Wales.
- Woodward, P., B.Sc., Ph.D. Brist.
- Mills, O. S., B.Sc. Liv.
- Perry, M. J., B.Sc. Brist.
Asst. Lectr.
- Child Health*, v. Medicine, *infra*
- Classics*
- Tate, J., M.A., Litt.D. Dub.
(Greek) Prof.
- Laughton, E., M.A. Oxon.
(Latin) Firth Prof.
- Corbett, P. B., M.A. Lectr.
- Hulton, A. O., M.A. Oxon. 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. W. J., 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.
- 1 Douglas Knoop Res. Fellow.
- Education*
- Turnbull, G. H., M.A. Liv., Ph.D.
Bonn Prof.
- Thompson, J. Ridley, M.C., T.D.,
D.Sc. Durh. Sr. Lectr.
- Lecturers
- Halloran, J. H., M.A. Leeds.

Armytage, W. H. G., M.A. Camb.
 Williams, Eirian M., B.Sc. Wales.
 Brown, Nora M., M.A. Camb.
 Dunkley, Ruth E. L., B.A. Camb.
 Richardson, J. Elizabeth, M.A.
 Lond.
 Edwards, R., B.Sc. Lond., M.Ed.
 Manc.

Engineering, v. infra

English Language and Literature

..... (Eng. Lit.) Prof.
 Wilson, R. M., M.A. Leeds (Eng.
 Lang.)
 Sr. Lectr. in charge of
 Lang. Dept.
 Hamer, D., M.C., M.A. Liv.
 (Eng. Lit.) Sr. Lectr.
 Danby, J. F., B.A. Durh., M.A.
 Camb. (Eng. Lit.) Sr. Lectr.

Lecturers

Murray, W. A., M.A. Glas.
 (Eng. Lit.).
 Thomson, Patricia, M.A. Oxon.
 (Eng. Lit.).
 Klingopoulos, G. D., M.A. Camb.
 (Eng. Lit.).
 Berry, F., B.A. Lond. (Eng. Lit.).
 Scott, F. S., M.A., M.Litt. Camb.
 (Eng. Lang.).
 Hargreaves, H., B.A. Liv. (Eng.
 Lang.) Asst. Lectr.

*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.
 Leahey, F. W., B.A. Lond. Lectr.

Francis, K. H., B.A., Ph.D. Lond.
 Lectr.
 Barnwell, H. T., M.A. Birm.
 Asst. Lectr.
 Collier, S. J., B.A., Ph.D. Leeds
 Asst. Lectr.
 Jolicœur, C., L. ès L. Paris
 Lecteur.
 Vançon, Noële, L. ès L. Nancy
 Lectrice.
 Tissot, R., L. ès L. Lecteur.

*Fuel Technology, v. Engineering,
 infra*

Geography

Linton, D. L., M.Sc. Lond. Prof.
 Garnett, Alice, B.A., Ph.D. Lond.
 Sr. Lectr.
 Maxwell, I. S., M.A. Camb. Lectr.
 Hunt, A. J., B.A. Lond. Lectr.
 Savigear, R. A. G., B.A. Lond.
 Lectr.
 Waters, R. S., M.A. R'dg. Lectr.

Geology

Moore, L. R., D.Sc., Ph.D. Brist.,
 F.G.S. Sorby Prof.
 Wilcockson, W. H., M.A. Camb.,
 F.G.S. Reader.
 Sylvester-Bradley, P. C., B.Sc.
 R'dg., F.G.S. Lectr.
 Wilkinson, P., B.Sc. Lond., F.G.S.
 Lectr.
 Downie, C., B.Sc. Glas.
 Asst. Lectr.
 Humphries, D. W., B.Sc. Lond.
 Asst. Lectr.

German

Pickering, F. P., B.A. Leeds, Ph.D.
 Breslau (in charge of Dept.)
 Sr. Lectr.
 Mainland, W. F., M.A. Edin.
 Sr. Lectr.
 Yuill, W. E., M.A. Aberd. and
 Lond. Lectr.
 Kolisko, Gertrud, Ph.D. Vienna
 Asst.

*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. (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.
Asst. Lectr.
Bone, E. Mary, B.A. Oxon.
Pt.-time Asst. Lectr.

Law

- Browne, D., M.A. Oxon.
Dean and Prof.
Metcalfe, O. K., M.A., LL.M. (Pub.
and Common L.)
Ind. Sr. Lectr.
Farran, C. D'O., B.C.L., M.A.
Oxon., Ph.D. Lectr.
Goode, M. A., LL.B. Tutor.

Mathematics

- Northcott, D. G., M.A., Ph.D.
Camb. Town Trust Prof.
Stewart, C. A., B.A. Camb., M.A.,
D.Sc. Glas. (Pure M.)
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 Maths.) Lectr.
Burkill, H., M.A. Camb. (Pure
Maths.) 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. (Statist-
ics) Lectr.
Abson, H., M.A. Camb., M.Sc.,
B.Com. Lond. Tutor.

- Hamill, Christine M., M.A., Ph.D.
Camb. Lectr.
Scott, J. F., B.A. Camb. Res. Asst.

*Medicine, v. infra**Metallurgy, v. infra**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.

Assistant Lecturers

- March, H. N., B.Sc., Ph.D. Lond.
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.
Lectr.

Assistant Lecturers

Crampton, R. F., B.Sc., M.B.,
Ch.B. Birm.

Matthews, D. M., M.B., B.S. Lond.

Bacon, Enid E., B.Sc. Lond. Asst.

Public Health, v. Medicine, *infra**Social Studies*, v. *infra**Spanish*Pierce, F. W., M.A. Belf. and Dub.
(in charge of Dept.)Hughes Lectr. and Sr.
Lectr.

May, T. E., M.A. Manc. Lectr.

Brooks, J. L., B.A. Dub. Lectr.

Moragas, F., Dr. en Odont.
Madrid Temp. Asst.*Zoology*Eastham, L. E. S., M.A. Camb.,
M.Sc. LeedsProf. 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.
Asst. Lectr.Highnam, K. C., B.Sc. Manc.
Res. Asst.**Dental Surgery**Roberts, G. L., M.B., Ch.B., B.D.S.
Liv., F.D.S.R.C.S.Prof., Dir. of Dental
Studies.Hampson, E. L., B.D.S. Liv.,
F.D.S.R.C.S. (Operative Dent.
Surg.) Lectr.Clarke, J., L.D.S. (Operative
Dent. Surg.) Lectr.Hull, J. (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. (Dent. and
Oral Path.) Lectr.Makinson, J., B.A. Camb., L.D.S.
Liv. (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 Pros-
thetics*Turrell, A. J. W., L.D.S. Leeds
Sr. Lectr.Smith, J. Pitchford, B.Ch.D.,
L.D.S. Leeds Lectr.*Dental Metallurgy*

Orme, F., M.Met. Lectr.

*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., M.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. 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. Asst. to Prof.

Loxley, E. M., M.Eng.

Engineering, Civil

Boulton, N. S., M.Sc. Birm. (in
charge of Dept.) Sr. Lectr.

Lecturers

Jenkins, R. B. M., M.A. Camb.

Haythornthwaite, R. M., B.Sc.
Durh., B.Sc. (Eng.) Lond.

Cowan, H. J., M.Sc. Manc., Ph.D.

Armstrong, S., B.Sc. Tech. Manc.

Engineering, Electrical

Butler, O. I., M.Sc. Wales (in
charge of Dept.) Sr. Lectr.

Lecturers

Harrison, D., M.Eng. Liv., Ph.D.

Benson, F. A., M.Eng. Liv., Ph.D.

Walker, G. B., M.A. Glas., Ph.D.
Liv.

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.

Roberts, D. K., B.Sc. (Eng.) Lond.

Wilcock, B., B.Sc. Tech. Manc.

Briggs, G. C., B.Eng.

Johnson, W., B.Sc. Tech. Manc.,
B.Sc. Lond.

Fuel Technology

Sarjant, R. J., O.B.E., D.Sc. Lond.

Dean, Fac. of Engin.,
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. 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.

Heeley, R., B.Sc. Tech., Ph.D.

Res. Asst. and Asst.

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.
 Brown, K. M., B.Sc. Wales
 Res. Asst. to Prof.

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.
 Stewart, Sheila M., B.Sc. Lond.
 Hon. Demr.
 Evans, D. M. D., M.B., 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. Lectr.
 Kaye, M. A. G., B.Sc. Lond.,
 Ph.D. Birm. Lectr.
 Burton, K., B.A., Ph.D. Camb.
 Lectr.
 Davies, R. E., M.Sc. Manc., Ph.D.
 Hon. Lectr.
 Jordan, A., M.B., B.S. Lond.
 (Clinical B.) Hon. Lectr.
 Forshall, W. Hon. Demr.

Podmore, D. A. Hon. Demr.
 Finch, Ethel, M.Sc. Birm.
 Hon. Demr.

Child Health

Illingworth, R. S., M.D. Leeds,
 F.R.C.P., D.P.H., D.C.H.
 Prof.
 Doxiadis, S. A., M.D. Athens
 Sr. Lectr.
 Lorber, J., B.A., M.D., B.Chir.
 Camb., D.A. Lectr.
 Philpott, M. G., M.B., B.S. Lond.,
 D.C.H. Tutor.
 Gordon, R. R., M.C., M.D., D.C.H.
 Glas. Hon. Lectr.
 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.
 Wayne, E. J., M.D., M.Sc., Ph.D.
 Leeds, F.R.C.P.
 Gumpert, T. E., M.B., Ch.B.,
 F.R.C.P.
 Brody, H. P., F.R.C.P.
 Leishman, A. W. D., B.A., D.M.
 Oxon., F.R.C.P.
 Skipper, E. W., M.D. Lond.,
 F.R.C.P.
 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.
 Appleby, J. Christine, B.Sc. Lond.,
 Ph.D. R'dg. Bacteriologist.
 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., F.R.C.S.Ed.,
D.M.R.E. Camb., F.F.R.
(Radiol.).

Blomfield, G. W., M.A. Camb.,
M.B., Ch.B. Leeds, F.R.C.S.,
D.M.R. (Radiotherapy).

Vickers, H. R., M.Sc., M.B., Ch.B.
(Dermatol.).

Thorpe, F. T., D.P.M. (Ment. Dis.).

Esher, F. J. S., M.B., Ch.B. Birm.,
D.P.M. (Ment. Dis.) Hon. Asst.

Finch, Sir Ernest, M.D., M.S.
Lond., F.R.C.S. (Hist. of
Med.) Hon. Lectr.

7 other Clin. Teachers.

Microbiology

Elsdon, 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

Stacey, J. E., M.D., B.S. Lond.,
M.B., Ch.B., F.R.C.S.Ed.,
F.R.C.O.G.

Patrick, L. B., M.B., Ch.B.,
F.R.C.S.Ed.

Lees, D. H., M.B., Ch.B.,
F.R.C.S.Ed.

Dewhurst, C. J., M.B., Ch.B.
Manc. Lectr.

Napier, J. G., M.B., Ch.B.,
F.R.C.S.Ed. Pt.-time Tutor.

1 other Clin. Teacher.

Pathology

Green, H. N., M.A. Camb., M.Sc.,
M.D.

Joseph Hunter Prof. and
Dir. of Cancer Research.

Harding, H. E., B.A., D.M. Oxon.
(Medical Path.)

Reader and Curator of
Museum.

Whiteley, H. J., B.Sc., M.D.
Lectr.

Ghadially, F. N., M.D., B.S. Bom.
and Lond. Lectr.

Hermite, L. C. D., M.B., Ch.B.
Edin., D.T.M. & H.

Edwards, J. L., M.A., M.B., B.Chir.
Camb. Hon. Lectr.

Emery, J. L., M.D. Brist., D.C.H.
Hon. Lectr.

Price, D. E., M.B., B.S. Lond.
Hon. Lectr.

Chesterman, J. T., F.R.C.S.,
F.A.C.S.

Pt.-time Lectr. (Surg.
P.) and Asst. Curator
of Museum.

Hopewell, J. D., B.Sc., M.B., Ch.B.
Hon. Demr.

Osborn, G. R., M.B., B.S. Melb.
Hon. Demr.

Pharmacology and Therapeutics

Wayne, F. J., M.Sc., Ph.D., M.D.
Leeds, F.R.C.P. 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.).

Oleesky, S., M.Sc., M.B., Ch.B.
Manc., M.D. Wash.

(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, 5 Instrs.

Veneral Diseases

Campbell, D. J., T.D., D.P.H.,
F.R.C.P. Ed.

Pt.-time Lectr. and Clin.
Teacher.

Metallurgy

Quarrell, A. G., D.Sc., Ph.D. Lond.,
F.I.P. (Phys. M.) Dean & Prof.

Maddocks, W. R., B.Sc. Wales,
Ph.D. Glas.

(Production M.) Sr. Lectr.

Orme, F., M.Met.
(Non-Ferrous) Sr. Lectr.

Honeycombe, R. W. K., M.Sc.
Melb., Ph.D. Camb. (Physical)

Sr. Lectr.
White, J., D.Sc., Ph.D. Glas.

(Refractories) Sr. Lectr.

MacDougall, A. J., M.Met. Lectr.
Protheroe, H. T., B.Sc. Wales,

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.

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.	Bestall, J. M., M.A. Oxon. (Hist.). Williams, J. E., M.A. Leeds (Hist.).
Extra-Mural Studies	Mendelson, J., B.Sc. (Econ.) Lond. (Econ. and Pub. Admin.).
Bruce, M., B.A. Lond. Dir.	Whittington, W. E., M.A. (Econ. and Pub. Admin.).
Staff Tutors	Hughes, J. D., B.A. Oxon. (Econ. and Pub. Admin.).
Roper, J. I., B.Litt. Oxon. Sr. Adviser.	Turner, H. D., B.Sc., Ph.D. (Sci.).
Crowther, D., M.A. Leeds, Ph.D. Glas. (Philos.).	31 Tutors in addition to members of the Univ. Academic Staff.
Eaglestone, A. A., B.Litt. Oxon. (Eng. Lit.).	

ADMINISTRATIVE AND 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. Asst. Med. Officer : Lorna Heslop, M.B., Ch.B. Edin., D.P.H.

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), 185,000 vols. and pamphlets, 738 current periodicals. LIBRARY (Appl. Sci.), 15,300 vols. and pamphlets, 135 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 E., Applied Mechanics, Fuel Tech., Glass Tech.), Prof. R. J. Sarjant (Fuel Tech.) ; *Law*, Prof. D. Browne (Law) ; *Medicine* (including the Dental Dept.), Dr. J. G. McCrie ; *Metallurgy*, Prof. A. G. Quarrell (Phys. Metall.) ; *Pure Science*, Prof. A. R. Clapham (Bot.).

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, Liège, Lyons, Madrid, Montpellier, Münster, Nancy, Paris, Poitiers, Rennes, Seville, Strasbourg, Tübingen, and Zürich have been recognized in the Faculty of Arts, and the Univ. contributes towards expenses of undergraduates spending a term there.

A Schools Consultative Council, including, in addition to members of the Univ. staff, representatives of local education authorities and school staffs, keeps the Univ. in touch with secondary educn.

HIGHER DEGREES. Obtainable by Bachelors of the Univ. of 1 yr.'s standing—M.A., LL.M., M.Sc., M.Eng., M.Sc.Tech., M.Met. Under certain conditions graduates of other Univs. may become candidates for these degrees. M.D.S. on the results of an examn. written, *viva* and practical; 2 yrs.' standing—M.D.; 3 yrs.' standing—Ch.M.; 4 yrs.' standing—LL.D.; 5 yrs.' standing—Litt.D., D.Mus., D.Sc., D.Eng., D.Sc.Tech., D.Met.; Ph.D., v. p. 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. (Evg. Students), 5 yrs.

Certificates, Architecture (3 yrs.); Professional Practice (Architecture)

(1 yr. prof. practice following award of degree or diploma) ; Biblical History and Literature (2 yrs.' evening study) ; Soc. Studies (2 yrs.).

Evening Classes in Mechanical, Civil, and Electrical Engineering, Metallurgy, and Fuel are held during the 6 mos. Oct. to April, and Trades Technical Classes are held in association with the National Trades Technical Societies. 96 additional lecturers and teachers are employed on this work besides some members of the regular staff. For notes on the extent to which such classes in Metallurgy are recognized as qualifying for degrees, etc., v. *supra*—Degrees, Diplomas.

Evening Classes are also provided in Econ., Law, Conveyancing, Public Admin., and Biblical History and Literature.

FEES. Registn.: Diploma courses (except Educn. and L.D.S.), 21s. p.a., Educn., 25s. p.a.; Degree courses (except M.B., Ch.B., and B.D.S.), 25s. p.a. Tuition for degree courses (approximate): B.A., B.Mus., and B.A. (Econ.), £26:13:4 p.a.; B.A. with Hons. in Archit., £31:10s. p.a.; LL.B., 15 gs. p.a.; B.Sc., £35 p.a.; B.Eng., B.Met., B.Sc.Tech. (Glass or Fuel), £41:10s. p.a.; M.B., Ch.B., £42 p.a.; B.D.S., £45 p.a. Examns.: Interm. and 1st B.Mus., £2; Final Pass Degree, £2; Final General B.A., £2:10s.; Final Honours, B.Mus. and General B.Sc., £3; M.B., Ch.B., B.D.S., L.D.S., for each of 1st, 2nd, 3rd and Final examns., £6. Bachelor's Degree fee, £6 (except M.B., Ch.B., £5; B.D.S., £5).

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs.: *see* Appendix II.

RESIDENCE, ETC. (For Wardens *see* "Administrative and other Staff," *supra*.) For women (fees, £114 p.a.): University Hall, Endcliffe Vale Road, Sheffield, 10 (main hall 60 students; annexes 60 students). For men (fees, £114 p.a.): Crewe Hall, Clarkehouse Road, Sheffield, 10 (main hall 100 students; annexes 21 students); Ranmoor House, Fulwood Road, Sheffield, 10 (50 students); Stephenson Hall (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," *supra*.

APPOINTMENTS BOARD. For Appointments Officer *see* "Administrative and other Staff," *supra*. The services of the Appointments Board are available to all students, past and present. The Board has members from industry, etc., and deals with all matters relating to appointments. Relations are maintained with employers in all fields.

UNIVERSITY TRAINING CORPS. The U.T.C. provides facilities for training in the following units: Infantry and R.E.M.E. Commanding Officer: Major P. M. Harrod, M.C.

STUDENTS' UNION AND ATHLETICS. The social and athletic subscription (£4:4s.) forms a compulsory part of students' fees. The social and athletic facilities are thus available to students in all faculties and comprise: (i) membership of the University Union and its various societies, (ii) an athletic ground some 40 acres in extent, (iii) a gymnasium, boxing ring, badminton, fives and squash courts, etc.

There is an **OLD STUDENTS' ASSOCN.** which publishes periodically lists giving addresses, occupations, honours, etc.

INSTITUTE OF EDUCATION, 304 Western Bank, Sheffield, 10. *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. *Associated Member*: The City of Sheffield Coll. of Arts and Crafts. For Director and Secretary see "Administrative and other Staff," *supra*.

The BOARD OF EXTRA-MURAL STUDIES supervises the extra-mural work of the Univ. Public lectures, Univ. Extension courses, Tutorial and Sessional Classes are provided. There is a Joint Cttee. for work with the Workers' Educational Association. See also p. 465 above.

PUBLICATIONS. *Calendar* (Oct.), 15s.; *Sheffield University Gazette*, publ. once each term, 3d.; *The Arrows*, a Chronicle publ. twice a year, annual subs., 2s.; *Annual Report* (Dec.); *Handbook*; Fac. and Training Dept. Prospectuses: Scholarships pamphlet.

THE YEAR 1950-51

BENEFACTIONS. Anon., £10,000; late C. G. Carlisle, £2363, applied to postgrad. scholp. in Metall.; Mrs. Mabel Luke, £500 to augment Frederick Clifford Scholp. Fund; late Ernest R. Davy, £250.

NEW BUILDINGS. Mining Dept. extensions completed; progress made in erection of 3 major bldgs.: Stephenson Hall of residence for men, Chemistry bldg. and Engin. extensions; temporary bldg. acquired and adapted for Staff club-house; Charles Clifford Dental Hosp., essential for further development of Univ. Dent. Sch., being built by N.H.S. authorities.

NEW DEPARTMENT, ETC. Microbiol. *New Posts*. 1 Sr. Lectr.; 3 Lectrs.; 1 Asst. Lectr.; 2 Research Assts. *Titles Conferred*. Emeritus Prof., J. H. Andrew (Metall.); Reader, H. E. Harding (Pathol.).

PRINCIPAL CHANGES IN REGULATIONS. As alternative to presentation of a thesis (i) M.A. may be obtained by advanced study and examn., (ii) suitably qualified candidates may proceed to M.Met. after period of advanced study. 2 new Dual Honours Schools—Maths. and Philos., and Philos. and a Lang.—have been established. Course for B.Met. remodelled so that in future, instead of specializing in one branch of metall., candidates will take an all-round course and examn.

EXTRA-MURAL WORK. During session 1950-51, 76 Tutorial, Sessional and Terminal classes, 32 Univ. Extension courses, 3 one-day and 1 week-end schools, 2 special courses and a number of single lectures were held.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. H. Pyritz, Hamburg, "Probleme der Romantikforschung" and "The German (Grimm's) Dictionary"; Prof. J. M. Blecua, Saragossa, "Introducción a la poesia del Siglo de Oro"; Prof. A. D. Fokker, Leiden, "Just Intonation" and "Problems of Tuning and Temperament"; Prof. F. H. Sherwood, Calif., address to Hons. Schools of Econ.; Dr. G. Higman, Manc., "P-adic analysis and a theorem of Schur"; Prof. W. H. McCrea, Lond., "Recent theories of the expanding universe"; Prof. M. S. Bartlett, Manc., "Multiplicative processes in Physics and Biology"; Prof. I. N. Sneddon, N. Staffs., "The wave propagation of stress"; Prof. R. O. Redman, Camb., "Recent advances in stellar photometry"; Prof. A. Lichnerowicz, Paris, "Hermitian Geometry"; Dr. E. A. Maxwell, Camb., "Geometrics"; Prof. J. F. Allen, St. And., "Liquid

Helium"; Dr. A. C. B. Lovell, Manc., "Radio-Astronomy"; Prof. M. Stacey, Birm., "New centuries in carbohydrate chemistry"; Prof. Linderstrom-Lang, Copenhagen, "The structure and enzymatic breakdown of proteins"; Prof. C. E. H. Bawn, Liv., "Catalysed oxidations"; Prof. F. E. King, Nott., "The chemistry of extractives from hardwoods"; Prof. W. E. Garner, Brist., "Oxide catalysts"; Prof. M. Polanyi, Manc., "Scientific beliefs"; Prof. J. Pasteels, Brussels, "Desoxyribonucleic acid content of nuclei in mitosis, growth and development"; Prof. T. N. George, Glas., "Evolution"; Prof. G. Manley, Lond., "The study of climatic fluctuations in Britain"; Dr. H. Blume, Marburg, "Die Mittelgebirge"; Prof. M. Cattell, Corn., "The clinical application of pharmacological principles, with special reference to cardiovascular drugs"; Dr. D. Court, Durh., "Family life and infective illness in an English industrial city."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. L. C. Knights, Münster and Cologne, "Shakespeare"; E. J. G. Bradford, Birm., "Educational guidance"; W. H. G. Armytage, Lond., "W. E. Forster and the Liberal Reformers"; Dr. L. Mirsky, Brist., "The Distribution of Values of the Divisor Function $d(n)$ "; Dr. W. S. Bullough, Camb., "Problems in the Physiology of Mitosis"; F. H. Whitehead, Oxon., "Life form and environment"; Prof. H. A. Krebs, University Coll., Lond., "Energy transformation in living matter"; Sir Ernest Finch, Wales, "The influence of the Welsh on the course and development of British Medicine"; Prof. R. S. Illingworth, Oxon., "Developmental prognosis"; Prof. H. Moore, Imperial Coll., Lond., "Fusion-cast refractories."

RETIREMENTS. W. Burnet (Mech. Engin.); W. Gawthorpe (Extra-Mural Studies).

RESIGNATIONS. Geneviève Gallon (French); J. R. Greystoke (Econ.); S. J. Langley (Econ.); P. Robson (Econ.), apptd. Lectr. in Econ., Belf.; K. Isherwood (Archit.); J. M. Harries (Archit.); Dr. M. Holt (Maths.), apptd. Principal Scientific Officer, Armament Research Establishment, Fort Halstead; Dr. E. M. Patterson (Maths.), apptd. Lectr. in Maths., St. And.; T. N. Reynolds (Phys.); B. Whittington (Zool.), apptd. Asst. Lectr. in Zool., Birkbeck Coll., Lond.; F. H. Whitehead (Bot.), apptd. Ecologist, Oxon.; J. S. Hough (Bot.), apptd. Asst. Lectr., N. Staffs.; Drs. A. A. Belton, E. J. Clegg, J. A. Howarth and P. A. King (Anat.), returned to clin. work; Mrs. Monica Johnson (Biochem.); J. Barker (Pharmacol.); Dr. J. C. Burne (Bacteriol.); T. Smith (Obstet. and Gynæcol.), apptd. consultant to North Regional Hospital Board, Scotland; D. L. Woodhouse (Soc. and Indust. Med.); Dr. D. O. Stevenson (Venereal Dis.); E. W. Bradford (Dent. Studies), apptd. Lectr. in Parodontal Dis. and Preventive Dent., St. And.; C. V. Jones (Elect. Engin.); W. F. Kilby (Glass Technol.); P. Wright (Glass Technol.); Dr. H. Lee (Metall.); Dr. W. S. Bullough (Sorby Res. Fellow).

DEATHS. Emeritus Prof. Sir Arthur Hall (Physiol., 1889-98; Pathol., 1899-1906; Med., 1915-31), Prof.; Dr. A. Young (Forensic Med.), Lectr., 1898-11; Prof. J. Chisholm (Obstet. and Gynæcol.), Prof., 1935-50; R. T. Percival (Metall.), Lectr., 1928-46.

HONORARY DEGREES. *M.A.*—Mrs. Gerald Haythornthwaite, Hon. Sec., Sheffield and Peak Branch, Council for the Preservation of Rural England. *LL.D.*—The Most Rev. and Rt. Hon. C. F. Garbett, Archbishop of York; the Rt. Hon. the Earl of Scarborough. *Litt.D.*—Sir Osbert Sitwell; Dame Lillian Penon; Dr. G. N. Clark; G. L. Keynes. *D.Eng.*—Dr. P. Dunsheath. *D.Sc. Tech.*—Sir Ronald Weeks.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	159	1662
Women	33	362
Total	192	2024

Included in the above are 260 postgraduate students and 510 first-year admissions. Evening students are not included.

DEGREES. B.A., 179 ; B.Mus., 2 ; B.A. (Econ.), 8 ; M.A., 9 ; Ph.D. Arts, 1 ; B.Eng., 29 ; B.Sc. Tech., 15 ; M.Eng., 5 ; M.Sc. Tech., 1 ; Ph.D. Engineering, 5 ; LL.B., 11 ; LL.M., 1 ; M.B., Ch.B., 23 ; B.D.S., 5 ; Ph.D. Medicine, 2 ; B.Met., 11 ; M.Met., 2 ; D.Met., 1 ; Ph.D. Metallurgy, 6 ; B.Sc., 90 ; M.Sc., 3 ; D.Sc., 1 ; Ph.D. Pure Science, 4.

UNIVERSITY OF SOUTHAMPTON*

Founded 1952

Postal Address : Highfield, Southampton.

Telephone : Southampton 54071 (4 lines).

VISITOR—H.M. THE QUEEN.

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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

Loader, Freda M., B.Sc. Lond.
Lane, G. R., B.Sc., Ph.D. Lond.
Manners, J. G., M.A., Ph.D. Camb.
Wood, Winifred M. L., B.Sc., Ph.D.
Lond.

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. Brist.

Cavell, E. A., B.Sc. 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.

Lecturers

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Lond. (Comm. and Acctg.).

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

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.A.
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.Sc. (Econ.)
Wales Asst. Lectr.
O'Connell, Miss P. E. (Health
Visitor's Course) Tutor.

Education

Wagner, F. W., M.A. Oxon.,
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Lecturers
Hales, Rhona B., M.A. Oxon.,
B.D. Lond.
Percy, 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
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Lecturers
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Helmer, C. H., B.Sc. (Eng.) Lond.
Cook, A. F., M.A. Camb.
Sara, H. J., B.Sc. Lond.
Chester, C. E., B.Eng. Sheff.
Steven, R. E., B.Sc. Belf.
Ray, P. N., M.A. Oxon.
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.
Ritchie, J. D.
Assistant Experimental
Engineer.

Engineering, Marine

Sword, J. H.
Tech. Lectr. in Charge.
Thomason, J. C. Tech. Lectr.
Lochhead, D. J. Tech. Lectr.

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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.
Fürstenheim, E. G., M.A.
Lektor.

History

Rothwell, H., B.A. Manc., Ph.D.
Camb. Prof.
Lecturers
Patterson, A. T., M.A. Durh.
Merson, A. L., B.A. Oxon.
Hanna, A. J., B.A. Belf., Ph.D.
Lond.
Pugh, T. B., B.A., B.Litt. Oxon.
Pelham, R. A., M.A. Wales, Ph.D.
Birm. (Historical Geog.).
Mather, F. C., M.A. Manc.
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

Hoffman, R. C., B.A. Oxon.
Keir, J. D., B.A. Oxon.
Scarlett, J. H. A., B.A. Oxon.
Bonfield, B. M., B.A. Oxon.

Mathematics, Pure and Applied

Davies, E. T., D.Sc., Ph.D. Lond.,
D.Math. Rome (Pure) Prof.
Jahn, H. A., M.Sc. Lond., Ph.D.
Leipzig (App.) Prof.
Irving, J., M.A. Glas. Sr. Lectr.

Lecturers

Maunsell, F. G., M.A., Ph.D. Camb.
Liebetegger, A., Ph.D. Vienna.
Walls, Nancy, M.A. Edin.
Clark, R. S., M.Sc., Ph.D. Lond.
Mullineux, N., B.Sc., Ph.D. Manc.
Davies, H. J., B.Sc., Ph.D. Wales.
Brickell, F., B.Sc., Ph.D. Lond.
Please, Olive A., M.Sc. Lond.
Schonland, D., B.Sc. Rhodes,
B.A. Camb. Asst. Lectr.
Birmingham, 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 Croisette, D. H., B.Sc. Lond.
 Asst. Lectr.

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
 Asst. Lectr.
 Eastman, Mrs. Simone P., O.A.
 Lectrice.

Spanish

Kerr, R. J. A., M.A. Glas. Lectr.

Theology

Livesey, Rev. H., M.A. Oxon.,
 F.R.A.I.
 Supervisor of Studies.

Hon. Lecturer

Frith, Rev. H. I., M.A. Manc.,
 B.D. (Biblical & Historical
 Theol.).

Zoology

Raymont, J. E. G., B.Sc. Lond.,
 A.M. Harv. Prof.

Lecturers

Hall, R. E., B.Sc. Lond.
 Hockley, A. R., B.Sc. Lond.
 Fairbairn, W. J., B.Sc. St. And.
 Munday, K. A., B.Sc. Manc.,
 Ph.D. Aberd.
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Institute of Education

Wagner, F. W., M.A. Oxon., B.Sc.
 Adel. Dir.
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 Sec. and Dept. Dir.
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 Acad. Asst.
 Douch, R., M.A. Lond.
 Tutor in Local Hist.

Adult Education

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 Durh. Tutor Organizers : J.
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 R. Mullins, B.A. Lond., A. G.
 Geddes, B.A. Lond., P. J. de
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 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., E. C. Macey, M.C.,
 B.A. Lond., Mrs. J. M. Benn,
 M.A. Oxon., B. Schaffer, B.Sc.
 (Econ.) Lond.

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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; *Economics and Commerce*, Prof. P. Ford; *Education*, Prof. F. W. Wagner; *Engineering*, Prof. A. N. Black; *Law*, S. N. Grant-Bailey; *Science*, Prof. N. K. Adam.

DEGREE COURSES. B.A.—General and Hons.; B.Sc.—General and Hons.; 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.

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 instrucn. (5-ft. wind tunnel); aircraft manufacturing firms in district provide opportunities for keeping in close touch with practical aircraft constrcn.

Through its evening classes (attended by about 1000 students) the Univ. performs the function of a Sr. Technical Inst.

DIPLOMA AND CERTIFICATE COURSES. Dipl. in Soc. Studies (1-yr. postgrad. course); Certif. in Soc. Studies (2-yr. course); Dipl. in Electronics (1-yr. course for grads. and others with technical qualificns.); Dipl. in Pub. Admin. (2-yr. course; pt.-time courses arranged to meet requirements of Local Govt. Officers); Inst. of Educn. Certif. in Educn. (1-yr. postgrad. course).

ADMISSION. See Appendix I.

FEES. Matriculation, £3 : 3s.; Registration, £1 : 1s. The annual tuition 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) 29 Open Scholarships of values from £40 to £100. All tenable for 3 yrs. and supplemented by the Ministry of Education. The holders are required to pay tuition fees. (b) Four Open Exhibitions. Four Exhibitions to candidates

resident in Borough of Southampton. Two Engineering Exhibitions. Two Social Studies Exhibitions. Exhibitions are of the value of free tuition.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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 ; South Hill, Glen Eyre Road, Southampton, 30 places. For men : Connaught Hall, Swaythling, Southampton, 135 places ; South Stoneham House, Swaythling, Southampton, 75 places ; Glen Eyre Hall, Glen Eyre Road, Bassett, Southampton (still being built), at present approx. 96 places. Fees for the session : Women, £95, Men £100, 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. A. J. Hill.

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 Sec. *see* "Administrative and other Staff," p. 474.) 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* : Dept. of Education, Univ. of Southampton, Bournemouth Coll. of Art, City of Portsmouth Training College ; The Training College of the Immaculate Conception, Southampton ; The Training College, Weymouth ; King Alfred's College, Winchester. *Associated College* : The Southern College of Art. *Dir.* : Prof. F. W. Wagner, M.A. 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 1950-51

SUBSTANTIAL BENEFACTIONS. Special Reserve and Development Fund opened during the year reached total of £60,791:19:4, in immediate payments or promises under covenant, including : I.C.I. Ltd., £7000 ; Southamp-

ton County Borough Council, £6000 ; Folland Aircraft Ltd., £5240 ; Vickers-Armstrong Ltd., £5200 ; Esso Petroleum Co. Ltd., £5000 ; Saunders-Roe Ltd., £4666 ; C. & E. (Compounds & Essence) Ltd., £1333 ; Royal Mail Lines Ltd., £1000 ; Union-Castle Mail Steamship Co. Ltd., £1000 ; Gutteridge & Gutteridge, £700 ; Wm. Dibben & Sons Ltd., £666 ; Shepherd & Hedger, £666 ; Southern Newspapers Ltd., £666 ; Southampton Harbour Board, £662 ; Southern Gas Board, £525 ; Isle of Wight County Council, £500 ; West Sussex County Council, £500 ; Wilts. County Council, £500.

NEW BUILDINGS. Glen Eyre Hall (Men's Residence) opened and the new Zool. block completed.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Prof. Helen Hohman, Chic.

RETIREMENTS. Prof. S. Mangham (Bot.) ; Miss A. M. Trout (Maths.) ; J. Young (Mech. Engin.).

RESIGNATIONS. F. M. Algate (Econ.), apptd. to U.C., Leicester ; W. N. Aplin (Engin.), apptd. to Grimsby Technical Coll. ; J. A. Bound (Econ.), apptd. to Central Statistical Office ; Dr. R. G. Evans (Zool.), apptd. to U.C., N. Staffs. ; J. E. G. W. Greenwood (Geol.), apptd. to industrial post in S. Rhodesia ; Dr. F. D. Hills (Chem.), apptd. to industrial post ; M. S. Lindahl (French), apptd. to post in Switzerland ; A. M. Lisocki (Engin.), on leaving England ; Dr. K. A. Sinnhuber (Geog.), apptd. to Univ. Coll., Lond. ; G. E. Thomas (Geol.), apptd. to industrial post in Canada.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	35	668
Women	13	279
Total	48	947

Included in the above are 119 postgraduate students and 358 new admissions ; viz. 24 graduates and 334 undergraduates.

DEGREES. B.A., 76 ; B.Com., 3 ; B.Sc. (Econ.), 19 ; B.Sc. (Engin.), 17 ; B.Sc., 86 ; M.Sc., 1 ; Ph.D., 1.

DIPLOMAS AND CERTIFICATES. Postgrad. Certif. in Educn., 65 ; Postgrad. Dipl. in Electronics, 13 ; Dipl. in Pub. Admin., 5 ; Certif. in Soc. Studies, 11 ; Health Visitors' Certif. of Royal Sanitary Inst., 11.

UNIVERSITY OF WALES*

Founded 1893

Postal Address : University Registry, Cathays Park, Cardiff.

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—Sir FREDERICK REES, M.A.
Oxon., M.Com., Hon. LL.D. Birm., B.A., Hon. LL.D.

DEAN OF DIVINITY—Professor AUBREY R. JOHNSON, Hon. D.D. Edin.,
Ph.D., F.B.A.

REGISTRAR—T. J. MORGAN, M.A., 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. Dr. J. Grant. Assts. : Dr. R. A. N. Hitchens, Dr. Edith McKnight. Inst. of Preventive Medicine, The Parade, Cardiff. (*Telephone* : Cardiff 29268.)

CONSTITUENT COLLEGES

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH : *see* p. 482.

UNIVERSITY COLLEGE OF NORTH WALES, BANGOR : *see* p. 488.

UNIVERSITY COLLEGE OF SOUTH WALES AND MONMOUTHSHIRE,
CARDIFF : *see* p. 494.

UNIVERSITY COLLEGE OF SWANSEA : *see* p. 501.

SCHOOL OF THE UNIVERSITY

THE WELSH NATIONAL SCHOOL OF MEDICINE : *see* p. 506.

* 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. H. Pari Owen, B.A. Oxon., *New T. Greek*; Rev. D. Morris Jones, M.C., M.A., B.D. (Vice-Principal), *Theism and Philos. of Religion and Hist. of Religions*. At *Bala* (Theological College, Bala; *Telephone*: Bala 66): Principal—Rev. G. Rees, M.A.; Rev. R. N. Williams, M.A., *Past. Theol.*

BANGOR SCHOOL OF THEOLOGY (University College of North Wales, Bangor; *Telephone*: Bangor 501). Rev. Principal J. Williams Hughes, M.A. Oxon., B.D.; Rev. H. J. Charles, M.A. (Oxon.); Rev. S. I. Buse, M.A., B.D., *N.T. Greek*; Rev. Prof. C. R. North, M.A., D.Lit. Lond., D.D. Aberd.; 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., *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.*

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). 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. Principal E. Roberts, M.A. Oxon., B.D., *Philos. of Religion, Philosophical Theism and Christian Doctrine and Ethics*; 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 important changes. For outline of changes, see *Yearbook*, 1929. A further Supplemental Charter was granted in 1932 providing *inter alia* for the institution of the Welsh National School of Medicine as a School of the Univ., and for the recognition of Schools of Theology at the Collegiate centres. The teaching for initial degrees is undertaken by the constituent and associated Colleges and by the Welsh National School

of Medicine, and matriculation in the Univ. is open only to students of those institutions ; in the case of an associated Theological College, only to students who are graduates of an approved University. The Technical College, Cardiff, is associated for the purpose of providing courses of study for the degrees of B.Pharm. and B.Arch. The Univ. prescribes conditions under which it awards initial degrees to students of the Colleges and of the School of Med. and conducts the final examns. An Academic Advisory Committee deals with the conditions on which School-Leaving certificates are accepted by the Univ. for matriculation, and with other matters lying in the borderland between School and Univ.

ADMISSION. *See* Appendix I.

DEGREES. B.A. ; B.Sc. ; B.Mus. ; LL.B. ; B.Pharm., M.B., B.Ch. ; B.Arch. For the degree in Med. the period of qualification is 5 yrs. 2 terms, of which the last 3 yrs. may be spent in an approved School of Med. The period of qualification for the degree of B.Arch. is 6 yrs. The first year of study is pursued in one of the constituent Colleges of the University and the remainder in the Cardiff Technical College. For the other first 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. ; Agriculture, 3 winter sessions of two terms each and approved practical work.

FEES : Matricn., £3 ; examns. qualifying for Bachelor degree, from £6 : 15s. ; Master, £8 ; Ph.D., £12 : higher Doctorates, £20. *See* separate Colleges for tuition fees.

POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, ETC.) open to graduates of other Univs. : *see* Appendix II. Details concerning other postgraduate awards are given in the Univ. *Calendar*.

The GUILD OF GRADUATES consists of the Graduates and Honorary Graduates of the University. Periodical meetings are held. Its officers are the Warden, the Clerk, and the Treasurer. Address for communications : University Registry, Cathays Park, Cardiff.

The UNIVERSITY SCHOOL OF EDUCATION, which is an area training organization, came into being in 1949 and superseded the University Board for Training Colleges. It is charged with the duty of surveying the general educational needs of Wales and Monmouthshire in regard to the education and professional training of teachers, and of co-ordinating developments and directing long-term policy, so as to formulate a comprehensive system for the

training of teachers in the area. The organization comprises the University Education Board, the University Faculty of Education, and the four Collegiate Faculties of Education at Aberystwyth, Bangor, Cardiff, and Swansea.

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, archaeol., 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.

1950-51, 743 appointments (men, 598, women, 145), including : Educational, 241 ; Industrial, etc., 348 ; vacation posts, 154.

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.). The introduction to the Report of the Royal Commission on Univ. Education in Wales, 1918, 1s., contains a valuable summary of the history of the University up to 1918.

UNIVERSITY PRESS. Established by Charter, 1922. Main field of interest : books in Welsh and works of research relating to Wales. Offices : University Registry, Cathays Park, Cardiff.

THE YEAR 1950-51

RECENT DEVELOPMENTS. Approval has been given for the provision of courses in Italian at the Univ. Coll. of S. Wales and Mon., Cardiff. Regulations for the M.B., B.Ch. degrees and for the degree of Ph.D. for members of staff of constituent colleges have been revised.

HONORARY DEGREES. July 1951 Congregation : *M.A.*—D. O. Roberts. *LL.D.*—M. René Massigli, H.E. the French Ambassador ; Sir J. L. C. Cecil-Williams ; Sir William Ll. Davies ; Edgar Jones ; Air Chief Marshal Sir Hugh Pughe Lloyd. *D.Sc.*—Sir David Brunt. *D.Litt.*—Ll. W. Griffith. *D.D.*—Rev. D. T. Evans.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	113	3822
Women	62	1311
Total	175	5133

Included in the above are 212 postgraduate students and 1289 first-year admissions.

DEGREES. B.Arch., 1 ; B.A., 506 ; M.A., 31 ; LL.B., 13 ; B.Pharm., 12 ; M.B., B.Ch., 45 ; M.D., 0 ; B.Mus., 2 ; M.Mus., 0 ; B.Sc., 552 ; M.Sc., 33 ; D.Sc., 1 ; B.D., 3 ; Ph.D., 22.

UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH

Founded 1872

Telephone : Aberystwyth 346, 347.

PRESIDENT OF THE COURT OF GOVERNORS AND OF THE COUNCIL—
THOMAS JONES, C.H., M.A., LL.D.

VICE-PRESIDENTS—The Rt. Hon. THE EARL OF LISBURN; Lieut.-Col.
Sir GEORGE FOSSETT ROBERTS, C.B., O.B.E., D.L., LL.D., J.P.

TREASURER—IVOR EVANS, M.A. Oxon.

PRINCIPAL—.....

VICE-PRINCIPAL—Prof. LILY NEWTON, D.Sc., Ph.D. Brist., F.L.S.

REGISTRAR—T. MAELGWYN DAVIES, M.A.

LIBRARIAN—A. AP GWYNN, M.A.

TEACHING STAFF

Agriculture, v. *infra*

Anthropology, v. Geography

Arts and Crafts, v. Education

Botany

Newton, Mrs. Lily, D.Sc., Ph.D.
Brist., F.L.S. Prof.

Carter, P. W., M.Sc. Sr. Lectr.

Wilson, Irene M., M.Sc., Ph.D.
Lond. Sr. Lectr.

Chater, E. H., B.Sc. Lond., M.Sc.,
F.L.S. Lectr.

Jones, H., M.Sc. Lectr.

Chemistry

Davies, C. W., D.Sc., F.R.I.C.
Prof.

Hudleston, L. J., M.C., B.Sc.
Lond., F.R.I.C. Sr. Lectr.

Lecturers

Davies, M. M., Ph.D. Camb., M.Sc.
Bowen, J. B., B.Sc.

Monk, C., B.Sc., Ph.D. Lond.

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.

Assistant Lecturers

Nevin, E. T., Ph.D. Camb., M.A.

Hughes, C. F., D.P.A. Lond., M.A.

Hart, P. E., B.Sc. Lond.

Education (incl. Art and Crafts)

Jones, Idwal, M.A. Prof.

Jones, Gwenan, Ph.D. Minn., M.A.

Sr. Lectr. and Mistress of
Method.

Creed, Rachel M., M.A. Oxon.
 Lectr.
 Saer, Hywela A., Ph.D. Lond.,
 B.A. Lectr.
 Lewis, W. J., M.Sc. Lond. Lectr.
 Trott, A. L., M.Ed. Durh., M.A.
 Lectr.
 Morrison, J. R., M.A., B.Sc. Glas.,
 B.Ed. Edin. Lectr.
 Pinsent, A., M.B.E., M.A. Lond.,
 B.Sc.
 Lectr. in Fac. of Educn.
 Gapper, R. L., B.Sc.
 Lectr. (Art and Crafts),
 Curator of Museum.
 Nisbet, S. Asst.
 Davies, Gwenhwyfar
 Pt.-time Asst.

English Lang. and Lit.

Jones, G., M.A. Rendel Prof.
 Lecturers
 Earnshaw, J., M.A. Manc.
 Nosworthy, J. M., B.A. R'dg.
 Kinsley, J., M.A. Oxon., M.A.,
 Ph.D. Edin.
 Price, C. J. L., M.A.
 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.

Geography and Anthropology

Bowen, E. G., M.A.
 Gregynog Prof.

Lecturers

Fogg, W., M.A. Manc.
 Watson, E., M.A. Belf.
 Howe, G. M., M.Sc.
 Thomas, J. G., M.A.

Assistant Lecturers

Yates, R. A., M.Sc. Brist.

Carter, H., 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.

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. (Mediaeval).

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.

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.
Williams, D. R., Ph.D. Stras., M.A.
Sr. Lectr.
Meyler, Dorothy S., M.Sc. Lectr.

Music

Parrott, H. I., M.A., D.Mus. Oxon.,
F.T.C.L. Gregynog Prof.
Clements, C., B.Mus., F.R.C.O.
Lectr.
Clapham, J., D.Mus. Lond. Lectr.

Executants and Teachers

Allen, W. R. (Singing).
Jeremy, R., F.R.A.M. (Viola).

*Philosophy, v. Logic**Physics*

Davies, R. M., Ph.D. Camb., D.Sc.,
F.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.
Evans, G. R., M.Sc. Liv., Ph.D.
Job, E. M., B.Sc.
Jones, W. M., D.Phil. Oxon., B.Sc.
I Tech. Asst.

Politics, International

Reynolds, P. A., M.A. Oxon.
Wilson Prof.
John, I. G., M.Sc. Lond., B.A.
(I. Pol. and Col. Hist.)
Lectr.

*Welsh History, v. History, Welsh**Welsh Lang. and Lit.*

Jones, T., M.A. Prof.
Jones, D. J. Gwenallt, M.A.
Sr. Lectr.
Hughes, G. H., M.A. Lectr.

Zoology

Stephenson, T. A., D.Sc., F.R.S.
Prof.

Senior Lecturers

Watkin, E. E., D.Sc., Ph.D.
Rees, Florence G., D.Sc., Ph.D.

Lecturers

Jones, J. R. E., D.Sc., Ph.D.
Healey, E. G., B.Sc. Lond., Ph.D.
Munich.

Agriculture and Rural Economy

Nichols, J. E., M.Sc. Durh., Ph.D.
Edin.

(Animal Husbandry) Mil-
ford Prof.

Phillips, R., M.Sc.

Asst. Dir. of Res.
Evans, E. T. Rees, B.Sc. Lond.

Lectr. in Animal Physiol.
Morrison, G. A., M.A., D.Phil.
Oxon. (Biochem.) Lectr.

Lees, J. L., B.Sc. R'dg.
Asst. Lectr.

Ellison, W., B.Sc., Ph.D. Durh.
(Crop Husbandry) Prof.

Henderson, J. L., B.Sc. Edin.
Asst. Lectr.

Agricultural Botany

Thomas, P. T., B.Sc., Ph.D. Prof.

Griffiths, E., M.Sc.	Lectr.	Research Officers i/c Investigations
<i>Agricultural Chemistry</i>		Evans, G., M.Sc.
Davies, R. O., M.Sc., F.R.I.C.		Jones, Ll. I., B.Sc.
	Ind. Lectr.	Beddows, A. R., M.Sc.
Ashton, W. M., B.Sc., Ph.D.		Griffiths, D. J., M.Sc.
	Sr. Lectr.	Davies, W. E., B.Sc.
Jenkins, W. Ll., M.Sc.		Research Officers
	Asst. Lectr.	Milton, W. E. J., M.Sc.
<i>Agricultural Economics</i>		Phillips, Ll., B.Sc.
Nash, E. F., M.A. Oxon.		Roberts, H. M., B.Sc.
	Prof. and Adviser.	Hughes, R., M.Sc.
Senior Agric. Economists		Lewis, J., B.Sc.
Phillips, J. R. E., M.A.		Davies, I., B.Sc.
Jawetz, M.B., B.Sc. R'dg.		Jones, K., B.Sc.
Agricultural Economist		Troughton, A., B.Sc. Durh.
Rees, A. M. M., M.Sc.		Carr, A. J. H., B.Sc. Lond.
Asst. Agric. Economists		Lazenby, A., M.Sc.
Jones, W. D., B.Sc.		Hughes, A. W., B.Sc.
Johnson, Eira, B.A. Lond.		Evans, Alice M., B.Sc.
Dummer, M. H., B.A.		Holden, J. H. W., B.Sc.
Lewis, C. J., B.Sc.		Roberts, J., B.Sc.
Williams, E., B.A.		Charles, A. H., B.Sc.
<i>Agric. Zoology, v. Zool., supra</i>		Cocks, Betty, B.Sc. Lond., Ph.D. Birm.
<i>Dairying</i>		University Extension
Lewis, J., M.Sc.		Rees, A. D., M.A.
	Director of Dairy.	Dir. of Extra-Mural Studies.
Gregory, Margaret, B.Sc. R'dg. (Dairy Bact.)	Asst. Lectr.	Residential Tutors
Park, Barbara M., B.Sc. Durh.		Lewis, D. Hughes, B.A.
	Demr.	Thomas, Brynmor, M.A.
		Anthony-Jones, W. J., M.A.
Welsh Plant-Breeding Station		Staff Tutors
(Agricultural Research Building, Penglais)		Davies, J., B.A.
Jones, E. T., M.Sc.	Dir.	Jenkins, D., B.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. : Wardens of Halls of Residence : L. Powys Roberts, M.A. Oxon. (Alexandra Hall) ; Mrs. G. Morgan, Jones B.A. (Carpenter Hall) ; J. H. Morris, M.Sc. Lond. (Plynlymon Hall) ; H. A. Saer, Ph.D. Lond., B.A., Ph.D. Edin. (Ceredigion Hall) ; J. G. Thomas, M.A. (Pantycelyn Hall). Appts. Officers : W. M. Ashton, B.Sc., Ph.D., S. Herbert, 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*, Prof. E. R. Briggs (French); *Education*, Prof. Idwal Jones; *Law*, Prof. D. J. I. Davies; *Music*,; *Science and Rural Science*, Prof. W. Ellison (Agric., Crop Husbandry).

LIBRARIES. College, vols. 112,000 and 13,250 pamphlets. Access to the National Library of Wales, founded in 1907, Copyright Library since 1912, over 1,000,000 printed works (books, pamphlets, newspapers, journals), 25,000 manuscript vols., and about 3,500,000 deeds and other documents, together with a very large collection of maps, prints, and drawings. It has a general reference library which specializes also in printed books, manuscripts, and graphic material relating to Wales and the other Celtic countries.

MUSEUMS 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.

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.; Geography, 1 yr.; Biology, 1 yr.; Art, 2 yrs.; Handicraft, 2 yrs.

Courses in Science meet the requirements of the first year of Medical study, the exams. of the Pharmaceutical Society and other bodies.

POSTGRADUATE 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. 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. 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.

OLD STUDENTS' ASSOCIATION. Open to graduate and non-graduate old students of the College.

RESIDENCE. For Wardens, see Administrative and other staff, *supra*. Women: Alexandra Hall and Carpenter Hall, accommodating 180 and 55 students respectively. Men: Plynlymon, Ceredigion and Pantycelyn, accommodating 71, 67, and 125 students respectively. Fees: £115 per session. All enquiries should be addressed to the Registrar. Men students not residing in hall live in approved 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, 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 1950-51

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. Develop. Fund; late Sir D. Owen Evans, £2,477; anonymous, £1000 for Penglais House and grounds; Fleet-Surgeon J. H. Thomas, £773 towards Scholp. and Prize Funds; Anglo-Saxon Petroleum Co., Ltd., £100 for field excursions for geology students.

EXTRA-MURAL WORK. Classes were held at 162 centres (40 Tutorial Classes, 25 Sessional Classes, 74 Terminal Courses, 23 Short Courses, 2 One-day Schools, 2 Week-end Schools, 1 Four-day Conference).

RETIREMENTS. Prof. R. B. Forrester (Econ. and Pol. Sci.); S. Herbert (Admin.).

RESIGNATIONS. Dr. Kathleen Webber (German), on marriage; R. H. Soltau (Hist.), re-apptd. Prof. of Pol. Sci. at American U., Beirut; R. W. M. Dias (Law), apptd. to U. of Cambridge; C. J. Crespi (Law); W. C. Evans (Biochem.), apptd. Prof. of Agric. Chem. at U.C.N.W., Bangor; B. H. Roberts (Agric. Econ.).

DEATHS. Emeritus-Prof. J. W. H. Atkins (Rendel Prof. of English, 1906-1940); Emeritus-Prof. T. W. Fagan (Prof. of Agric. Chem., 1931-39).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	896
Women	4	339
Total	4	1235

Included in the above are 61 postgraduate students and 296 first-year admissions.

Extra-Mural students, 2653 (1572 men; 1081 women).

DEGREES. B.A., 134; B.Sc., 100; B.Sc. (Rural Sci.), 47; LL.B., 13; M.A., 18; M.Sc., 10; Ph.D., 10.

DIPLOMAS. Art, 1; Educn., 110; Dairying, 18.

CERTIFICATES. Dairying, 9; Educn., 14; Biblical Studies, 32.

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 D. EMRYS EVANS, M.A., B.Litt. Oxon.

SECRETARY AND REGISTRAR—KENNETH LAWRENCE, B.Sc.

LIBRARIAN—E. G. JONES, M.A.

TEACHING STAFF

Agriculture, v. infra

Botany

Richards, P. W., M.A., Ph.D.
Camb. Prof.
Thoday, D., M.A., Sc.D. Camb.,
F.R.S. Prof. Emeritus.
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., B.A. Camb.
Simpson, R. H., B.A., Ph.D. Durh.

Economics

Black, D., M.A., Ph.D. Glas.
Prof.

Lecturers

Scammell, W. M., B.Com. Belf.
Gray, M., M.A. Aberd.
Johnston, J., B.Com.Sc. Belf.
Jones, S., B.A. Asst. Lectr.

Education

Jenkins, D. W. T., M.A. Oxon.
Prof.
Archer, R. L., M.A. Oxon.
Prof. Emeritus.
Rogers, J., Ph.D. Sr. Lectr.
Lewis, Mrs. Hywel D., M.A.
Lectr. and Tutor of
Women Students.

Alexander, Marjorie B. Lectr.
 Williams, I., B.Sc. Lectr.
 Clegg, F. E., M.A. Camb. Lectr.
 Jones, W. R., M.A. Lectr.
 Tibbitts, E. L., B.A. Lond. Lectr.
 Jones, David

Instr. in Rural Sci.

Gibson, Mrs. Alice I.
 P.T. for Women.

Electrical Engineering

Williams, E., B.Eng., Ph.D. Liv.
 Prof.

Williams, W. E., B.Sc.
 Prof. Emeritus.

Morris, D. G. O., B.Sc. Sr. Lectr.

Jones, D. Collister, B.Sc. Lectr.

English Lang. and Lit.

Wright, H. G., M.A. Manc. Prof.

King, R. W., M.A. Lond. Sr. Lectr.

Davies, C., M.A. Sr. Lectr.

Lecturers

Owen, W. J. B., M.A. N.Z. and
 Oxon.

Bradbrook, F. W., M.A. Camb.

Forestry

Mobbs, E. C., O.B.E., M.A. Camb.,
 B.Sc. Lond. Prof.

Thomson, T., M.Sc.
 Prof. Emeritus.

Dobbs, C. G., Ph.D. Lond.
 (Forest Bot.) Sr. Lectr.

Owen, T. H., B.Sc. Lectr.

Molesworth, Col. F. C. Sp. 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.

Lecturers

Watkins, J. H., M.A.

Barber, W. H., M.A., D.Phil. Oxon.

Grimsley, R., M.A., D.Phil. Oxon.

German and Teutonic Philol.

Spalding, K., M.A., Ph.D. Birm.

Indpt. Lectr.

Stuart, Mrs. Hannah S. M., B.A.,

Ph.D. Lond. Lectr.

Parry, I. F., M.A. Lectr.

Hebrew and Biblical History and Literature

North, C. R., M.A., D.Lit. Lond.,

Hon. D.D. Aberd. Prof.

Roberts, Rev. B. J., M.A., B.D.
 (Bib. Hist. and Lit.)

Sr. Lectr.

Ap-Thomas, D. R., M.A. Oxon.,

B.D. Lond., B.A.

(Hebrew) Lectr.

Buse, Rev. I., M.A., B.D.

Asst. Lectr.

History, v. also Theol.

Dodd, A. H., M.A. Oxon. Prof.

Thomas, J. Alun, Ph.D. Lond.,

M.A. Sr. Lectr.

Denholm-Young, N., M.A. Oxon.

Sr. Lectr.

Lecturers

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. Oxon.

Miles, T. R., M.A. Oxon.

McPherson, T. H., M.A. N.Z.,

B.Phil. Oxon. Asst. Lectr.

Mathematics

Littlewood, D. E., M.A. Camb.
 Prof.
 Phillips, E. G., M.A. Camb., M.Sc.
 Manc. Sr. Lectr.
 Newing, R. A., B.Sc., Ph.D. Lond.
 Sr. Lectr.
 Barker, C. C. H., M.Sc. Lond.
 Lectr.

Music

Williams, D. E. Parry, D.Mus.,
 B.Sc. Director.
 Davies, E. T., F.R.C.O.
 Dir. Emeritus.
 Smith, R. C., M.Mus. Lectr.
 5 Executants and Teachers.

Philosophy, v. Logic and Theol.

Physics

Owen, E. A., M.A., Sc.D. Camb.,
 D.Sc. Lond., M.Sc., F.I.P.
 Prof.
 Mainstone, P. A., M.Sc. Brist.,
 F.I.P. Sr. Lectr.
 Wright, P., Ph.D. Wales and
 Camb., F.I.P. Sr. Lectr.

Lecturers

Jones, H. Irvon, M.Sc.
 Morris, D. P., B.Sc., Ph.D.
 Morgan, G. D., B.Sc., Ph.D.

Theology, v. also Hebrew and
 Bib. Hist. and Lit.

Special Lecturers

Jones, Rev. Prof. R. T., B.Phil.
 Oxon., B.A., B.D.
 North, Rev. Prof. C. R., M.A.,
 D.Lit. Lond., Hon. D.D.
 Aberd. (Old Testament and
 Semitics).
 Ap-Thomas, D. R., M.A. Oxon.,
 B.D. Lond., B.A. (Old Test.
 and Semitics).
 Lewis, Prof. H. D., M.A., B.Litt.
 Oxon. (Theism and Phil. of
 Relig.).
 Bowyer, Rev. Principal G., B.A.,
 B.D. (Christian Doctrine).

Hughes, Rev. Princ. J. Williams,
 M.A., B.D. (New Test.).
 Richards, T., M.A., D.Litt.
 (Church Hist.).
 Jones, Rev. Prof. T. E., M.A.,
 B.D. (Holy Scriptures).
 Charles, Rev. H. J., M.A. (New
 Test.).
 Jenkins, Prof. R. T., M.A., D.Litt.,
 F.S.A. (Church Hist.).
 Gundry, Rev. D. W., M.Th. Lond.
 (Hist. of Religions).

Welsh

Parry, T., M.A. Prof.
 Williams, Sir Ifor, M.A., D.Litt.,
 F.B.A., F.S.A. Prof. Emeritus.
 Williams, J. E. Caerwyn, M.A.,
 B.D. Sr. Lectr.
 Roberts, Enid P., M.A. Lectr.
 Rees, B., M.A. Lectr.

Zoology

Brambell, F. W. Rogers, B.A.,
 Ph.D. Dub., D.Sc. Lond.,
 F.R.S. Prof.
 Jackson, L. H., B.Sc. Lond.
 Sr. Lectr.
 Reynoldson, T. B., Ph.D. Leeds
 Sr. Lectr.
 Jones, C. Burdon, B.Sc., Ph.D.
 Lectr.
 Hemmings, W. A., B.A. Oxon.
 Res. Asst.

Agriculture

Roberts, E. J., M.A. Camb., M.Sc.
 Prof.
 Davies, G. M., B.Sc. Lectr.
 Williams, G. L., B.Sc. Lectr.

Agric. Botany

Roberts, R. Alun, B.Sc., Ph.D.
 Prof.

Lecturers

Parry, D. W., M.Sc.
 Mence, Margaret J., M.A. Camb.
 Bradshaw, A., M.A. Camb.
 Whitehead, T., 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.

Rowland Hughes Art Lecturer

1950-51—Sir Kenneth Clark,
K.C.B.
Subject—*The Collapse of
Humanism in the 16th Cen-
tury.*

Ballard Mathews Lecturer

1950-51—Prof. W. B. Stanford,
Litt.D.
Subject—*Ulysses in English
Poetry.*

Theology Lectures

1950-51—Dr. N. Zernov.
Subject—*Some Trends in
Modern Russian Theology.*
Very Rev. E. G. Selwyn, D.D.
Subject—*Authority in the New
Testament : Its Nature and
Function.*

Welsh Lectures

1950-51—Prof. Glyn Roberts,
M.A.
Subject—*Hanes Bangor.*

University Extension

Director of Extra-Mural Studies :
Williams, A. Ll., B.A.
Whole-time Lectrs. : Jones, E. J.,
M.A. ; Rogers, E., M.A. ;
Jones, A. E., B.A. ; Jenkins,
E., B.A. ; Jones, F. P., B.A.

Many other members of the
Staff give single courses or
combine in giving a series.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES : *Arts*, Prof. M. L. Clarke ; *Science*, Prof. E. J. Roberts.

Wardens of Halls of Residence : Rev. D. W. Gundry, M.Th. (Neuadd Reichel (Men)) ; Margaret T. Martin, Ph.D. (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, 154,000 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 bygonies together with Roman finds from Segontium and Capel Curig. FARM, 675 acres, chiefly sheep pasturage. Dairy.

Special facilities are offered for research in Welsh Lang. and Lit., Political, Social, Econ., and Religious Hist. of Wales, and allied subjects.

COURSES. In addition to the normal courses in Arts there are courses in 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. 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.

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.

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

RESIDENCE. (For Wardens, see "Administrative and other Staff," p. 491.) Neuadd Reichel provides accomm. for 160 men (fee, £120 p.a.) and University Hall, with its annexes, for 100 women (fee, £115 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.

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 1950-51

ADULT EDUCATION. 37 Tutorial Classes, 26 Univ. Sessional Courses and 8 Terminal Classes with 1400 students (518 women) chiefly in Philos., Lit., Economics, Hist., Social and Political Studies, Music and Drama. The Bangor Summer School, under the auspices of a Cttee. representing the Joint Tutorial Classes of the Univ. Coll. of N. Wales and the Univ. of Manchester, was held at Neuadd Reichel in July and Aug. 1951 for the 38th successive yr.

BENEFACTIONS. Executors of R. T. Robinson, £100 ; Executors of Miss A. Louise Roberts, £500, to promote orchestral work ; Executors of Mrs. M. A. Roberts, £100.

NEW BUILDINGS. Work on the new Bot./Forestry, Physics and Zool. bldgs. is proceeding satisfactorily. It is hoped that the Phys. and Zool. bldgs. will be in use during 1952-53 and remainder of bldgs. in 1953-54. A large house on the Menai Straits purchased for use as a Marine Biology Station. Work already started on its conversion and the Station will be in operation in 1952-53.

RESIGNATIONS. Rev. G. E. Hughes (Philos.), apptd. to Chair of Philos., Victoria U.C., N.Z. Prof. P. M. Jones (French), apptd. to Chair of Modern French Lit., Manc. U. ; Dr. F. H. Newth (Chem.), apptd. to I.C.I. Fellowship, Camb. U. ; Dr. A. C. Riddiford (Chem.), apptd. Lectr. in Chem., U.C., Southampton ; Mrs. M. Una Rees ; G. M. Russell.

RETIREMENT. Prof. J. Morgan Rees (Econ.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	9	696
Women	8	243
Total	17	939

Included in the above are 129 postgraduate students and 289 first-year admissions.

DEGREES. *Arts* : B.A., 108 ; M.A., 2. *Theol.* : B.D., 1. *Sci.* : B.Sc., 86 ; M.Sc., 3 ; Ph.D., 4.

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—ELWYN 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. Sr. Lectr.
Jacoby, F., M.D. Berl., Ph.D.
Birm. (Histol.) Sr. Lectr.

Lecturers

Martin, B., B.Sc., M.B., B.Ch.
(Histol.).
Irvine, G., M.B., B.Ch. Edin.
Moffat, D. B.

Assistant Lecturers

Dark, A. J., M.B., B.Ch.
Towers, B., M.B., Ch.B. Liv.

Archæology

Nash-Williams, V. E., M.A., D.Litt.,
F.S.A. (Keeper of Dept. of A.
in Nat. Museum) Lectr.

Architecture

John, L., M.A., B.Arch. Liv.,
F.R.I.B.A. Lectr.

Botany

McLean, R. C., M.A. Camb., D.Sc.
Lond., F.L.S. Prof.

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. (Bac-
teriol.)
Lyon, A. G., B.Sc. St. And., Ph.D.
Camb. (Bot.) Asst. Lectr.
i Demr. and Res. Asst.

Chemistry

Evans, A. G., Ph.D., D.Sc. Manc.
Prof.

Senior Lecturers

Bowden, S. T., D.Sc. Leiden,
M.Sc. Mich., D.Sc., F.R.I.C.
Bassett, H. Ll., M.A. Camb.,
B.Sc. Lond. (Organic C.).
Cullinane, N. M., D.Sc. N.U.I.,
M.Sc., F.R.I.C.

Lecturers

Chard, S. J. H., M.Sc., F.R.I.C.
Thorne, N., M.Sc.
Thomas, J. H., Ph.D. Liv.

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.
Poyser, G. H., M.A. Oxon.
Williams, G. W., M.A. Dub.
Rich, Audrey N. M., B.A. R'dg.
and 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.)

*Lect. and Organizing
Tutor.*

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 (Econ.)

Pole, J. D., B.A. Camb.
Maynard, G. W., B.Sc. (Econ.)
Lond.

1 Res. Asst.

Education

Evans, E., M.A. Prof.

Lecturers

Amos, Rev. A. D., B.Sc. Lond.,
M.A. (and Master of Method).
Morris, Elizabeth M. D., M.A.
Lond., B.A.

Mulrenan, B. W., B.A. Sheff.

Simpson, E. B., M.A., B.Sc. Lond.
Griffith, Mignon B.

Evans, L. Wynne, M.Ed. Durh.,
M.A.

Bull, Beryl M., B.A.
Williams, Ethel M.
Thomas, H., B.Mus.
Mathias, W. A., M.A.
Othen, C. W., M.Sc.

Lecturers and Research Officers

Evans, Kathleen M., M.A., B.Sc.
Lond.

Jones, C., B.Sc.

Pitts, R., B.A. Asst. Lectr.

1 Res. Asst.

Engineering

Gurney, H. C. H., M.A. Camb.,
D.Sc. Lond., F.I.P. Prof.

Foster, P. F., B.Sc. Lond., M.Sc.
Sr. Lectr.

Lecturers

Sheen, F. V., B.Sc.

Bannister, J. L., B.Sc. Tech. Manc.,
M.Sc.

Bray, R. O., B.Sc. Lond.

Davies, W., B.Sc.

Trigg, C., M.Sc.

Powell, W. H., B.Sc.

Ashwell, D. G., M.A. Camb.

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.Litt. Oxon., B.A.

French and Romance Philology

Thomas, J. Heywood, M.A.,
D. de l'U. Paris Prof.

Senior Lecturers

Urwin, K., M.A. Sheff., D. de l'U.
Paris (French).

Morse, B. J., M.A. (Italian).

Lecturers

Butler, P. F., L. ès L. Lausanne.
 Spencer, R. H., B.A. Leeds.
 Morris, Thelma, B.A., D. de l'U.
 Paris.

Geology

Anderson, J. G. C., M.A., D.Sc.,
 Ph.D. Glas., F.G.S. Prof.
 Baker, J. W., B.Sc. Birm., F.G.S.
 Lectr.
 Blundell, R. C. K., B.Sc., F.G.S.
 Johnson, G. A. L., B.Sc. Durh.
 Asst. Lectr.

1 Res. Demr.

German

Williams, T. P., M.A.
 Indep. Lectr. and Hd. of
 Dept.

Haas, V., M.A. Lectr.
 Jones, Mrs. V. Isabel, M.A. Edin.
 Lectr.

Histology, v. Anat.

History

..... Prof.
 Rees, W., D.Sc. Lond., M.A.
 Acting Hd. of Dept.
 Whale, Gwendolyn B. M., B.Litt.
 Oxon., B.A. Sr. Lectr.
 Marshall, Dorothy, Ph.D. Camb.
 Sr. Lectr.

Lecturers

Powell, I. B., B.A.
 Roots, I. A., M.A. Oxon.
 Loyn, H. R., M.A.
 Edwards, E. W., M.A.
 1 Res. Asst. in Econ. Hist.

History of Wales

Rees, W., D.Sc. Lond., M.A.
 Prof.
 Pierce, G. O., B.A. Lectr.

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.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.

Gold, G., M.A. Camb.

Hughes, N. J. S., M.A. Camb.

Metallurgy and Fuel Technology

Jones, W. R. D., D.Sc., F.I.M.
 Prof.
 Evans, T., B.Sc. Wales and Lond.
 (Fuel Technol.) Sr. Lectr.

Lecturers

Carpenter, D. L., B.Sc.
 (Fuel Technol.).
 Garwood, R. D., 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.

Mining

Sinclair, J., M.Eng., Ph.D. Sheff.
 Prof.

Lecturers

Probert, L., B.Sc.
 Killeen, J. F., B.Sc.
 Powell, W. H., B.Sc.
 Rees, D. T. A., B.Sc.

Music

Morgan, J., D.Mus., F.R.C.O.
 Prof.

Lecturers

Piggott, P.
 Bruce, I. M., M.A., B.Mus. Edin.
 Collier, D. G., M.Mus.
 Bruce, R., D.F.C., B.Mus. Edin.

Teachers

..... (Violin).
 Mutter, G. N. (Viola).
 Isaac, G. ('cello).
 Popperwell, S., B.A. Camb.
 (Violinist).
 And teachers of Singing, Piano-
 forte, Organ, and all orches-
 tral 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.
 Lectr. and Dir. of Labs.
 Harker, G. F. H., M.A. Camb.
 Rowland, E. N., M.A., Ph.D.
 Camb.
 Wood, R. G., M.Sc. Manc.
 Hon. Lectr.
 Hughes, J. W., Ph.D.
 Rogers, D., Ph.D. Lond.
 Howells, R. G., B.Sc.
 Grant, D. F., Ph.D. Durh.

Physiology

Peterson, J. M., D.Sc. Aberd.
 Prof.
 Pryde, J., B.Sc. St. And., D.Sc.
 Sr. Lectr. (Biochem.)
 and Lectr. & Demr.
 (Physiol.).
 Jordan, R. C., B.Sc., Ph.D., D.Sc.
 Lond., D.I.C. Sr. Lectr.

Waters, E. T., Ph.D., D.Sc.

Sr. Lectr.
 Stone, S. L., B.Sc., M.B., B.Ch.
 Lectr.
 Dodgson, K. S., B.Sc., Ph.D. Liv.
 (Biochem.) Lectr.
 Spencer, B., B.Sc., Ph.D. Liv.
 (Biochem.) Asst. Lectr.
 Beswick, W. F., M.B., B.Ch.
 Asst. Lectr.
 Asst. Lectr.

Semitic Languages

Johnson, A. R., Ph.D., F.B.A. Prof.
 Rowlands, Rev. E. R., B.A.
 Camb., M.A. Lectr.
 Ryder, Rev. E. T., M.A. Oxon.,
 B.D. Lond. Lectr.

Welsh

Williams, G. J., M.A. Prof.
 Lecturers
 Jarman, A. O. H., M.A.
 Lewis, J. S., M.A. Liv.
 Pierce, G. O., B.A.

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.

University Extension

..... Dir. of Extra-Mural
 Studies.

Organizing Tutors

I. Morgan, M.A.; E. R. Lewis,
 M.A.; V. H. Jones, LL.B.
 Lond., B.A.; M. R. Hausheer,
 B.A.

Staff Tutor : E. Hodges.

40 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Warden of Aberdare Hall : 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.

GENERAL INFORMATION

Opened in 1883 and incorporated by Royal Charter in 1884, this is now one of the constituent Colleges of the Univ. For early history, see *Yearbook*, 1929.

A Supplemental Charter was granted to the College on Jan. 21, 1931, and a Charter of Incorporation to the Welsh National School of Medicine on Feb. 5, 1931.

LIBRARY. Drapers' Company's, 117,000 vols.

MUSEUMS. Anat., Zool. The National Museum of Wales (Art, Archæol., Zool., Geol., Bot.) is located in an adjacent building.

LABORATORIES. Physical Research, with a comprehensive equipment for X-ray diffraction investigation, etc. ; Engineering (including 100-ton testing machine) ; and usual science and medical research laboratories.

The language of instruction is English. Classes are open to both men and women students of not less than 17 yrs. on Oct. 1 of the session of admission. Those preparing for a degree must be matriculated in the University of Wales or be in possession of certificates of an equivalent standard which are found acceptable to the University in lieu. 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 ; Lang., Lit., and Hist. of Wales ; Music ; Social Science. In the Applied Science subjects the qualifying scheme of study covers 3 yrs. ; in the other subjects, 2 yrs. A Diploma in Palæography and Allied Subjects is awarded after a 1-yr. course. After graduation in certain subjects, suitably qualified students desirous of securing a Diploma in their special subject, may be awarded one without further study, while in other cases a graduate can be awarded such a Diploma after pursuing a modified course for 1 yr. A certificate of Proficiency in Biblical Studies is awarded as an additional qualification for intending teachers of Religious Knowledge. It is awarded on the satisfactory pursuance of a special course (a) taken concurrently with a degree course, or (b) separately, covering 1 yr.

SCHOLARSHIPS. Numerous scholps. out of trust funds are awarded for competition at entrance, and after one or more years' residence other scholps. and prizes are awarded for meritorious work. (Details are contained in the College Prospectuses obtainable from the Registrar.) *See also under Univ.*

FEES. Annual composition for tuition—Arts, £30 ; Science, £35 ; Music, £30 ; Applied Science, £35 ; Medical (first 3 yrs.), £35 to £45 ; Postgraduate study and research, £10 to £20. Registration, £1 : 1s. p.a.

RESIDENCE. Hostel for women ; Aberdare Hall, Cathays Park, Cardiff (for Warden, *see* "Administrative and other Staff," *supra*), room for 134, fees £120. Hostels for men : (a) St. Teilo's Hall, Waterloo Gardens, Cardiff (The Rev. The Warden), room for 35, fee £90 ; (b) Llandaff House, Earl Road, Penarth, Glam. (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 (*see* "Administrative and other Staff," *supra*). New students from overseas are especially advised to see him as soon as possible after their arrival in Cardiff.

STUDENT ATHLETIC FACILITIES. Playing grounds are provided for the pursuance of most field sports, as well as facilities for swimming and rowing. Grass tennis courts are sited at the College. A modern well-equipped gymnasium in its own building (49 Park Place, Cardiff) is also provided for the exclusive use of students. There is a Lecturer in Physical Training for men and one for women, who act as College Advisers in physical training and games.

STUDENTS' UNION. The Union building at 51 Park Place, Cardiff, provides amenities for developing and furthering the social and cultural life of the student body ; it has a refectory which is sometimes used for dances, lounges, and games rooms, and it houses the headquarters of the Students' Union Society. Every student is required to pay a Union amalgamation fee of £3 : 13 : 6 (£4 : 11s. for medical students), which compounds for membership of the Students' Union Society and of all Student Clubs and Societies affiliated to it. (Student publications are the *Broadsheet* and *Cap and Gown*.)

ADULT EDUCATION. A number of resident tutors and a staff tutor, aided by a panel of suitably qualified part-time teachers, provide an educational service of a liberal character for the adult population of the College area, by way of classes and lectures. A section of the College Library is devoted to the service of the classes, providing them with multiple copies of selected text-books on as wide a range of topics as annual income apportionments permit. This branch of College work has its office at 31 Corbett Road, Cardiff. (*For list of staff—see University Extension, supra.*)

PUBLICATIONS. *Admission of Students* (Terms of) (Oct.) ; *General Prospectus* (with syllabuses of study) (June) ; *Entrance Scholarships Prospectus* (April) ; *Calendar* (triennially) ; *A Short History of the College*, 2s. 6d.

THE YEAR 1950-51

BENEFACTIONS. For special purposes, prizes, etc., £9717.

NEW BUILDINGS. Work has begun on erection of new block for Dept. of Mining on site of 5 old dwelling-houses, the property of the College, in the Parade, Cardiff.

ADULT EDUCATION. 96 classes were held as follows: Univ. Tutorial Classes, 25; Univ. Sessional Classes and Short Courses, 71. Total number of students attending, 1460.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Rev. Prof. John Foster, 4 public lectures on "Post-Apostolic Preaching"; Prof. John Jewkes, 4 public lectures on "Industrial Organization and the Standard of Living"; Prof. Herbert Butterfield, "The Rôle of Christianity in European History".

VISITS BY MEMBERS OF STAFF FROM OTHER CONSTITUENT COLLEGES. Prof. Hywel D. Lewis, Bangor, 2 lectures, "Freedom and Responsibility" and "Mysticism and Immediacy"; Prof. R. Wilson, Swansea, "Geometrical Problems of Coefficient Theory"; B. Simpson, Swansea, 3 lectures on "Geology and Water Supply"; J. Challinor, Aberystwyth, 3 lectures on "Geomorphology".

VISITS OF MEMBERS OF STAFF TO OTHER CONSTITUENT COLLEGES. Prof. O. de Selincourt, at Bangor, 3 lectures on "Political Freedom", "Beauty in Nature and in Art", "The Method of Plato's *Republic*"; Prof. J. L. B. Cooper, at Swansea, "Hilbert Space"; Rosa M. Morris, "Plane Problems of Elasticity"; R. C. K. Blundell, at Aberystwyth, 3 lectures on "Upper Carboniferous Stratigraphy with special reference to South Wales", and at Swansea, 3 lectures on "Applied Geophysics".

RETIREMENTS. Prof. W. J. Jones (Chem.); Prof. Dame Olive A. Wheeler (Educn.); D. G. Taylor (Maths.); S. O. Moffet, Librarian.

RESIGNATIONS. Prof. A. Beacham (Indust. Relns.), apptd. to chair of Econ. and Pol. Sci. at U.C., Aberystwyth; J. Lanner (Econ.), apptd. Lectr. in Econ. at University C., Lond.; T. J. Morgan (Welsh), apptd. Registrar of the Univ.; B. C. Sharman (Bot.), apptd. Lectr. in Bot. at Bedford C., Lond.; J. H. Simon (Latin), apptd. Lectr. in Classics at St. Andrews U.; Gwenda M. Greenland (Educn.); Sheila M. Willmott (Zool.), apptd. to the staff of the Commonwealth Agricultural Bureau.

DEATH. Prof. C. McLaren West (Anat.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	60	1210
Women	41	474
Total	101	1684

Included in the above are 44 postgraduate students and 566 first-year admissions.

DEGREES. B.Arch., 1; B.A., 160; M.A., 9; B.Mus., 2; M.B., B.Ch., 45; B.Pharm., 12; B.Sc., 198; M.Sc., 11; Ph.D., 3; D.Sc., 1.

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—Prof. D. B. QUINN, Ph.D. Lond.

DEAN OF FACULTY OF SCIENCE—Prof. H. O'NEILL, M.Met. Sheff.,
D.Sc. Manc., F.I.M.

TEACHING STAFF

Biology

Mockridge, 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.

Assistant Lecturers

Goodman, G. T., M.Sc. (Bot.)

Hayward, J., B.Sc. (Bot.)

i Demr.

Chemistry

Shoppee, C. W., D.Phil. Basle,
D.Sc., Ph.D. Lond., F.R.I.C.

Prof.

Sykes, K. W., D.Phil. Oxon.

Sr. Lectr.

Lecturers

Ayling, E. E., M.Sc. Lond., F.R.I.C.

Davies, R. H., M.Sc.

Gowenlock, B. G., Ph.D. Manc.

Lewis, D. G., Ph.D. Lond.

Hoare, D. E., M.A. Camb., Ph.D.

Leeds Temp. 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.

Brown, A. (Speech Trg.).

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. R., B.Sc. Manc.

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.
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, Garnet, D. de l'U. Paris,
M.A., Q.A. Sr. Lectr.
Pool, E. Millicent, M.A. Liv., O.A.
Lectr.

Geology and Geography

Leitch, D., D.Sc. Glas., F.G.S.
Prof.

Lecturers

Oliver, J., B.A. Brist. (Geog.).
Simpson, B., M.Sc. Liv., F.G.S.
(Geol.)
Owen, T. R., M.Sc., F.G.S. (Geol.).
Groom, Gillian E., B.Sc. Birm.,
F.G.S. (Geog.).
Walsmsley, V. G., B.Sc. Manc.,
F.G.S. (Geol.).
Bowes, D. R., Ph.D. Lond., M.Sc.
Adel.

German

Heller, E., Ph.D. Camb. Prof.
Marleyn, R., M.A. Oxon., Ph.D.
Gött. Lectr.

Taylor, R. J., M.A. Lond. Lectr.

History

Quinn, D. B., B.A. Belf., Ph.D.
Lond. Prof.
Gibbs, Marion E., 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.
Asst. Lectr.
Minchinton, W., B.Sc. Lond.
Research Lectr. in Social
and Economic History.

Mathematics

Wilson, R., M.A. Oxon. Prof.
Eggleston, H. G., Ph.D., M.A.
Camb. Sr. Lectr.
Foulkes, H. O., D.Sc. Sr. Lectr.
Godwin, H. J., M.A. Camb. Lectr.
Manwell, A. R., B.Sc. Lond. Lectr.
Evans, G. W., M.A. Camb. Lectr.
Brennan, J. G., B.Sc. Lectr.
Perfect, Hazel, M.A. Lond.
Temp. Lectr.
Walters, T. S., M.Sc.
Temp. Asst. Lectr.

Metallurgy

O'Neill, H., M.Met. Sheff., D.Sc.
Manc., F.I.M. Prof.
Higgins, R., Ph.D. Glas., F.I.M.
Asst. Prof.

Lecturers

Dennison, J. P., Ph.D. Leeds
Greenough, A. P., M.A. Camb.

Philosophy

Jones, J. R., D.Phil. Oxon., M.A.
Prof.
Rhees, Rush, M.A. Edin. 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.

Temp. Asst. Lectr.

1 Demr.

Welsh

Lewis, H., M.A., D.Litt. Prof.

Williams, S. J., M.A., D.Litt.

Sr. Lectr.

Bevan, T. H., M.A. Sr. Lectr.

Evans, D. S., M.A., B.D., B.Litt.

Lectr.

Social Science

Jones, R. H., B.Sc. (Econ.) Lond.,

M.A. Liv. Lectr.

Social Studies

Brennan, T., M.A. Camb.

Dir. of Res.

Cooney, E. W., B.Sc. Lond.

Res. Asst.

Stacey, F. A., M.A. Camb., B.Phil.

Oxon. Asst. Lectr. in Politics.

University Extension

David, Illtyd, M.A., LL.B. Camb.,

LL.D. Dub., M.A.

Sr. Staff Tutor.

Griffiths, T. Hughes, Dr. Pol. Sc.

Geissen, 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., B.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 manufacturing processes in the works. All the Coll. labs. (Phys., Chem., Geol., Biol., Metall., Engin.) are well equipped and include fine experimental plant for instructn. and res.

FACULTIES AND DEANS. *Arts*, Prof. D. B. Quinn; *Science*, Prof. H. O'Neill.

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. Liannard, B.Sc., 70 Dairsie Road, Eltham, S.E.9.

LIBRARY. In the College Library, books and pamphlets now number 100,000.

RESIDENCE. For Women : Beck Hall of Residence, Gwydr Gardens, Uplands, Swansea, 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.

ATHLETIC FACILITIES. 15 acres for playing fields ; swimming bath and squash racket 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 1950-51

SUBSTANTIAL BENEFACTIONS, ETC. Corporation of Swansea, further free gift of approx. 27 acres of land adjoining present Coll. land in Singleton Park ; donations and annual subscriptions amounting to £5268 : 13s.

EXTRA-MURAL WORK. 32 Univ. Tutorial Classes, 12 Sessional Classes and 13 short courses with 883 students; non-residential summer school held during 1 week, and residential summer school during 2 weeks.

RESIGNATIONS. K. Britton (Philos.) apptd. Prof. of Philos., King's Coll., Newcastle; Dr. H. Bance (Bot.) on marriage; D. W. Hopkins (Metall.), apptd. to post in industry; F. O. Jones (Metall.), apptd. to post in industry; S. J. Gould (Soc. Studies), apptd. to L.S.E.; P. J. Tracy (Geol.), apptd. to post with Shell Oil Co.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	47	861
Women	17	199
Total	64	1060

Included in the above are 58 postgraduate students and 268 first-year admissions.

DEGREES OBTAINED. B.A., 97; B.Sc., 122; M.A., 3; M.Sc., 8; Ph.D., 2.

DIPLOMAS AND CERTIFICATES AWARDED. Univ. of Wales Dipl. in Educn., 73; Ministry of Educn. Teacher's Certif., 6; Coll. Dipl. in Youth Leadership and Organization, 16; Coll. Dipl. in Soc. Sci., 11; Coll. Dipl. in Mathematical Stats. and Computational Analysis, 7; Coll. Dipl. in Mathematical Physics, 1.

THE WELSH NATIONAL SCHOOL OF MEDICINE, CARDIFF

Incorporated by Royal Charter 1931

Postal Address : 34 Newport Road, Cardiff.

Telephone (Provost and Secretary) : Cardiff 28434.

PRESIDENT—The Right Hon. LORD ABERDARE.

PROVOST—R. M. F. PICKEN, C.B.E., M.B., Ch.B., B.Sc. Glas.,
D.P.H. Camb.

VICE-PROVOST—F. GRUNDY, M.D., Ch.B., Leeds, D.P.H., D.P.M.

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.

(C.) = Clinical Teacher.

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.

Rook, A. J., M.A., M.D., B.Chir.
Camb. (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.

Hygiene and Public Health

Grundy, F., M.D., Ch.B. Leeds,
D.P.H., D.P.M. (Preventive
Med.) Mansel Talbot Prof.
Wilson, J. G., M.D. Lond., D.P.H.,
F.R.C.P. Lectr.
Bevan, R. T., M.B., B.Ch., D.P.H.
Lectr.
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.).
Evans, B., M.D. Lond. (C.).
Spillane, J. D., M.D., B.Sc.,
F.R.C.P. (C.).
Jones, I. G., M.D. Lond., B.Sc.
(C.).
Williams, D. A., M.Sc., M.D.,
B.Ch. (C.).
Thomas, A. J., B.Sc., M.D., B.Ch.,
D.P.H. (C.).
Freeman, A. G., M.A., M.D.,
B.Chir. Camb. Reg.

Obstetrics and Gynæcology

Strachan, G. I., M.D. Glas.,
F.R.C.P., F.R.C.S. Eng. and
Ed., F.R.C.O.G. Prof.

Maliphant, R. G., M.D. Lond.,
F.R.C.S., F.R.C.O.G. Lectr.
Evans, M. D. A., M.D., F.R.C.S.
Ed., F.R.C.O.G. Asst. Lectr.
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.
..... (Path.) Sr. Lectr.
Thomson, S., M.D., D.P.H. Edin.
(Bact.) Lectr.
Marks, J., M.D., B.S. Lond., Dip.
Bact. (Bact.) Lectr.
Williams, O. G., M.D., B.S. Lond.,
B.Sc.
Lectr. and Blood Trans.
Officer.
Davies, D. G., M.B., Ch.B., Dip.
Bact. (Clin. Bact.).
Withey, J. L., M.B., B.S. Lond.
(Clin. Path.) Lectr.
James, W. R. L., B.Sc., M.B.,
B.Ch. (Medico-Legal) Lectr.

- Leopold, J. G., B.Sc., M.B., B.Ch.
Asst. Lectr.
- Williams, W. J., M.B., 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. Bact.
- Jenkins, W. J., B.Sc., M.B., B.Ch.
Asst. Clin. Bact.
- Parker, R. A., M.B., B.S. Lond.
Asst. Clin. Bact.
- Powell, G. D., B.Sc., M.B., B.Ch.
Asst. Clin. Bact.
- Evans, A. R., M.B., B.Ch.
Asst. Clin. Path.
- Stroud, C. E., M.B., B.Ch.
Asst. Clin. Path.
- Drummond, R. J.
Hon. Clin. Teacher.
- Gilson, J. C., M.A., M.B., B.Chir.
Camb. Hon. Clin. Teacher.
- Keyser, J. W., M.Sc. Lond.
Biochemist.
- Nethercott, S. E., B.Sc.
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. Lectr.
- Mitchell, G. M., M.B., Ch.B.
Aberd. Asst. Lectr.
- Griffiths, E. T. (Pharmacy) Asst.
- Physical Medicine*
- Lloyd, K. N., M.B., B.S. Lond.
Lectr.
- Psychological Medicine*
- Hennelly, T. J., M.D., B.Ch.,
B.A.O., D.P.M. N.U.I. Lectr.
- Spillane, J. P., B.Sc., M.D., B.Ch.
(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.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.
- Haycraft, J. B., M.C., M.B., Ch.B.
Edin., F.R.C.S. (C.).
- Ioan-Jones, D., B.Sc., M.B., B.Ch.,
F.R.C.S. (C.).
- Lysaght, A. C., F.R.C.S. (C.).
- Wade, J. S. H., M.C., F.R.C.S.
(C.).
- Evans, D., M.B., B.Ch., F.R.C.S.
Ed. (Fractures) (C.).
- Foster, D. B. E., B.Sc., M.B.,
B.Ch., F.R.C.S.Ed. (C.).
- Mogg, R. A., B.Sc., M.B., B.Ch.,
F.R.C.S. (C.).
- Lewis, E. E., F.R.C.S. (C.).
- Morris, D. G., B.Sc., M.B., B.Ch.,
F.R.C.S.Ed. (C.).
- Langmaid, C., M.B., B.S. Lond.,
B.Sc., M.B., B.Ch., F.R.C.S.
(C.).
- Harley, H. R. S., M.B., M.S. Lond.,
F.R.C.S. (C.).

(C.) = Clinical Teacher.

Thomas, D. M. E.	(C.).	Ross, H. A., M.B., Ch.B., B.Sc.	
Jones, H. O., M.B., M.S. Lond.,		Glas., D.P.H. Camb.	
F.R.C.S.	(C.).		Hon. Lectr.
<i>Tuberculosis</i>		Marks, J., M.D., B.S. Lond., Dip.	
Heaf, F. R. G., M.A., M.D. Camb.,		Bact.	Hon. Lectr.
F.R.C.P. David Davies Prof.		Seal, R. M. E., B.Sc., M.B., B.Ch.	
Graham, S. H., M.D., Ch.B.,			Hon. Lectr.
D.P.H. Edin., T.D.D. Lectr.		Thomas, D. M. E.	(C.).
Foreman, H. M., M.B.E., M.B.,		Harley, H. R. S., M.B., M.S. Lond.,	
Ch.B. N.Z. Hon. Lectr.		F.R.C.S.	(C.).
Jones, V. E., M.B., B.S. Lond.,		<i>Venereal Diseases</i>	
M.B., Ch.B. Liv., B.Sc.		Downing, C. C. R., M.A., M.D.,	
Hon. Lectr.		B.Ch. 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 Welfare Officers—Chief Med. Officer : G. Grant, M.B., B.S. Lond. ; Medical Officers : R. A. N. Hitchens, M.B., B.Ch., D.P.H. ; Edith McKnight, B.Sc., M.B., Ch.B. Glas.

GENERAL INFORMATION

The Welsh National School of Medicine originated in the institution of Depts. in Anat. and Physiol. at the Univ. Coll. of S. Wales and Monmouthshire, Cardiff, in 1893. The Dept. of Mat. Med. and Pharmacol. was instituted in 1898, and the Chair of Pathol. and Bacteriol. in 1910. The David Davies Chair of Tuberculosis and the Mansel Talbot Chair of Prev. Med. were endowed in 1921, and in that year Medical and Surgical Units and a Dept. of Obstet. and Gynæcol. were instituted. A Chair and Dept. of Child Health were established in 1950.

On Feb. 5, 1931, a Charter of Incorporation was granted to the School by H.M. the King in Council.

The situation of the various Depts. of the School is as follows : Pharmacology, Preventive Medicine, Tuberculosis—Institute of Preventive Medicine, The Parade, Cardiff ; Tuberculosis (postgraduate labs.)—4 Richmond Road, Cardiff ; Medical Unit, Surgical Unit, Inst. of Pathology, Anæsthetics, Obstetrics and Gynæcology—The Royal Infirmary, Cardiff ; Child Health—Llandough Hospital, nr. Penarth, Glam.

Every candidate for admission to first-yr. courses in Physics, Chem., and Biology shall present a certificate showing that he has passed the Matriculation Examn. of the Univ. of Wales, or an examn. recognized by the Univ. of Wales as equivalent thereto. See Appendix I.

No candidate will normally be accepted for admission to the Depts. of the second year of the Med. course unless he has completed, at one and the same time, an examn. leading to a Univ. degree in all the four first-yr. courses, Physics, Chem., Bot., and Zool. This regulation may be relaxed at the discretion of a Joint Academic Committee in certain cases where only *one* of the four first-yr. courses named above is outstanding.

Note.—Approved passes at the Advanced or Scholarship level in the G.C.E.

(C.) = Clinical Teacher.

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. 480).

FEES. Tuition: Annual Composition Fee, £35 for the first year and £45 for each of the following years; C.P.H. Composition Fee, £20; D.P.H. Composition Fee, £35; T.D.D. Composition Fee, £35. Registration, £1: 1s., payable by all students. Examination: M.B., B.Ch., £26: 16s.; M.D., £20; M.Ch., £20; C.P.H., £5: 5s.; D.P.H., £10: 10s.; T.D.D., £10: 10s.

SCHOLARSHIPS, PRIZES, AND MEDALS. "Dr. Price Prize," £50; "Isaac Roberts Scholarship," £50; "Samuel Bros. Scholarship," £12-£15; "Dr. Howell Rees Scholarship," £17: 10s.; "Alfred Sheen Prize," £5; "The Cardiff Medical Society Prize," value £6: 6s.; "John Maclean" Prize and Medal; "Willie Seager" Prizes and Medals; "The David Hepburn Medal," and "The Alfred Hughes Medal." *See also under* University.

POSTGRADUATE 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 Welfare Department which is accommodated in the Institute of Preventive Medicine. The Medical Officers conduct examinations of all students of the University of Wales free of cost and are also available for free consultation and advice.

MEDICAL STUDENTS' CLUB. Medical students of all years, whether in the University College of South Wales and Monmouthshire, Cardiff, or in the Welsh National School of Medicine, become members of the Medical Students' Club and of the Students' Union Society of the University College, Cardiff.

WELSH NATIONAL SCHOOL OF MEDICINE 511

The Student Organizations include numerous social functions and provide facilities for Rugby and Association football, hockey, tennis, cricket, squash, and swimming.

The Medical Students' Club includes a Scientific Society which arranges lectures, demonstrations, and discussions on medical and cognate subjects.

TERMS. Oct. 1–Dec. 12, 1952 ; Jan. 13–Mar. 27 ; April 14–June 26, 1953.

PUBLICATIONS. *Prospectus* and *Regulations* (free). Students' Mag. *The Leech*, 2s., twice a yr.

THE YEAR 1950–51

NEW BUILDINGS. Work on Inst. of Pathol. completed ; alterations to improve accommodation in Rockefeller Building ; progress made with new Maternity Dept. for United Cardiff Hosps., to include facilities for instruction of students ; modifications in Dept. of Tuberculosis to increase and improve teaching accomm. ; Dept. of Preventive Med. has benefited by release of accommodation on transference of the Public Health Lab. of Med. Research Council to new Inst. of Pathol. ; work on accomm. placed at disposal of the Sch. by the Board of Governors of United Cardiff Hosps. at Cardiff Royal Infirmary (including a Res. Lab.) for Dept. of Anæsthetics nearing completion.

OTHER DEVELOPMENTS. The Treasury has consented, through the U.G.C. and the Welsh Board of Health, to acquisition of 53 acres of land at Heath for a new Hosp. and Med. Sch. ; the transfer of land has been completed ; a Joint Working Cttee. has been established for this project.

RESIGNATION. Dr. L. L. R. White (Pathol.), apptd. to Hospl. for Sick Children, Gt. Ormond St., Lond.

DEATHS. Sir Willie Reardon Smith (Hon. Treasurer) ; Prof. R. St. A. Heathcote (Prof. of Pharmacol.) ; Prof. C. M. West (Member of Senate) ; Dr. A. C. T. Vaughan (Clin. Bacteriologist) ; W. J. Williams (Member of Council).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	48	159
Women	99	56
Total	147 .	215

Included in the above are 29 postgraduate students and 81 first-year admissions (of which 18 were for the degree of B.Pharm.).

DEGREES AND DIPLOMAS. M.B., B.Ch., 45 ; B.Pharm., 12 ; T.D.D., 21 ; M.B., B.S. (Lond.), 5 ; L.R.C.P., M.R.C.S., 5 ; L.M.S.S.A., 2 ; C.P.H., 7 ; D.P.H., 1.

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—Sir THOMAS W. J. TAYLOR, C.B.E., M.A., D.Sc. Oxon.
REGISTRAR—.....
ACADEMIC SECRETARY—ALAN G. BARTLETT, M.A. Camb.
LIBRARIAN—L. J. LLOYD, M.A. Camb.
SECRETARY OF THE INSTITUTE OF EDUCATION—A. MILTON, M.A.

TEACHING STAFF

Agriculture

Moore, H. I., M.Sc., Ph.D., Dip.
Agric. Camb. (Principal of
Seale-Hayne Agric. College)
Prof.

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.

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.
Cook, Pauline L., M.A., Ph.D.
Camb.
Ilersic, A. R., M.Sc. (Econ.),
B.Com. Lond.
John, Patricia, B.A. Wales
Meyer, F. V., B.Sc. (Econ.), Ph.D.
Lond.

* 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.).

Ross, R., M.A. (Admin.) Manc.
Steer, W. S., LL.B. Lond., D.P.A.
(Pub. Admin.) Lectr.

Trasler, G. B., B.Sc. (Econ.) Lond.
Tutorial Asst.

Education and Psychology

Curle, 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.

Riley, W. A., M.M., F.T.C.L.
(Elocution and Dramatic Art)
Lectr.

Staniland, A. C., B.A. Lond.
(Visual Educn.) Lectr.

Cumming, A. M. (Gardening)
Asst.

Fairclough, H. D. (Physical Educa-
tion) Instr.

Goodwin, Doreen V. (Physical
Education) Instr.

Craig, R. N., M.D. Dub., B.S.
Durh., D.P.M. Lond. (Child
Guidance) Hon. Lectr.

English

Horrox, W. L., M.A. Camb. Prof.
Lecturers

Cruttwell, M. J. P., B.A. Camb.
Dexter, Kathleen M., B.A. Lond.

Speirs, J. H., B.A. Camb., M.A.
Aberd.

Suddaby, Elizabeth, M.A. Oxon.
Wright, Bertha D., M.A. Edin.,
Ph.D. Lond.

French

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.
Patterson, Mrs. Ethel J., M.A.
Liv.

Shorter, A. H., M.A. Manc., F.S.A.
Johns, E. M., M.A. Camb.

Ravenhill, W. L. D., B.A. Wales.

Geology

Stuart, A., M.Sc. Durh., F.G.S.
Hd. of Dept.

Dineley, D. L., B.Sc., Ph.D. Birm.
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

Medlicott, W. N., M.A. Lond.,
F.R.Hist.S. Prof.

Barlow, F., M.A., D.Phil. Oxon.
Reader.

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.

Youngs, Joyce, B.A., Ph.D. Lond.
Lectr.

Pressnell, L. S., B.Sc. (Econ.)
Lond. Lectr.

Fox, Lady Aileen, M.A. Camb.
(British Archæology)

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. Asst. Lectr.

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

..... Hd. of Dept.

Philosophy

[Prof.

Levine, I., M.A., D.Litt. Glas.

Callard, Pauline, B.Com. Lond.
(Sociology) Lectr.

Hewitt, Margaret, B.A. Lond.
(Sociology) Asst. Lectr.

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.

Purser, Audrey O., B.A. Brist.

Todd, A. C., B.A. Lond.

Tudor, G. D. C., B.A. Oxon.

Walters, W. E., M.A. Wales.

Overseas Students

Salter, K. W., B.A. Brist. Tutor.
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:
Nancy Moore, M.A. Oxon.

LIBRARY. Sub-Librarian: A. A. Brockett, B.A. Lond. Chief Asst.: Joyce Packer, B.A. Lond.

WARDENS OF HALLS OF RESIDENCE. Reed Hall (men), H. Burton, M.A. Oxon.; Mardon Hall (men), Prof. I. Levine, M.A., D.Litt. Glas.; Exeter Hall (men), D. L. Dinely, B.Sc., Ph.D. Birm.; 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.

GENERAL INFORMATION

Organized as a College, 1901. Incorporated under its present title, 1922.

FACULTIES AND CHAIRMEN. *Arts*, Prof. H. B. Garland (German); *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 Road, Exeter (Telephone: Exeter 54402). Constituent Colleges: Training Dept. of the University College, Professor—C. T. W. Curle; St. Luke's College (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.

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. 515). For women (Fees : £110 to £113) : Hope Hall, 100 students ; Lopes Hall, 103 ; Thomas Hall, 47 ; Birks Grange, 20 ; Barton Place, 22. For men (Fees : £113 to £118) : Reed Hall, 68 students ; Exeter Hall, 69 ; Mardon Hall, 83 ; Crossmead Hall, 57. 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 1950-51

BENEFACTIONS. Grants of £726 from the Agricultural Research Council ; £562 : 10s. from Imperial Chemical Industries Ltd. and £80 from Messrs. English Clays, Lovering, Pochin & Co. Ltd., for res. in the Dept. of Chem. A grant of £350 from the Wellcome Trust for research in Medical Mycol. Gifts of books for the Botany Dept. from Mrs. Wolsey Harris, Mr. F. A. Brokenshire, and Mr. R. R. Blake. A gift of books from Lt.-Col. J. V. Ramsden and a collection of fossils and shells from Miss M. Morris for the Dept. of Geology.

NEW BUILDINGS. Work continues on the Hatherly Biological Labs. which, it is hoped, will be completed in the near future. Plans for the new Arts and Administrative Building at Streatham Estate have been submitted to the University Grants Committee. "Knightley", Streatham Drive, purchased as a Principal's house, is being used temporarily to provide accommodation for the Departments of Law, Extra-mural Studies, Overseas Students, and the Tutor of Bradninch Hall Students. St. Germans House, St. Germans Road, was purchased to form an annexe to Lopes Hall.

EXTRA-MURAL WORK. 172 courses were held during the session, attended by 3474 students, and in addition there were 32 week-end schools.

RETIREMENT. John Murray, M.A., LL.D., D.Litt., Principal.

RESIGNATIONS. H. H. O. Chalk (Lectr. in Classics); Miss P. M. Depree (Lectr. in Classics); Professor C. E. Gough (Lectr. in German); G. V. M. Heap (Academic Secretary); W. Heydecker (Lectr. in Hortic.); Margaret Lambert (Lectr. in Hist.); R. C. Moon (Extra-Mural Dept.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	51	576
Women	13	366
Total	64	942

Included in the above are 148 postgraduate students and 309 first-year admissions.

104 students attended the Summer School for Overseas Students in Aug. 1951.

DEGREES. B.A., 119; M.A., 1; LL.B., 2; B.Sc., 55; M.Sc., 4; Ph.D., 4; B.Sc. (Econ.), 19.

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.,
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.

LIBRARIAN—AGNES CUMING, M.A. N.U.I., B.Sc. Oxon.

TEACHING STAFF

Botany

Good, R. D'O., M.A., Sc.D. Camb.
Prof.

Cromwell, B. T., B.Sc., Ph.D. Liv.
Reader.

Flint, Elizabeth A., M.Sc. N.Z.,
Ph.D. Lond. Lectr.

Stenton, H., B.A., Ph.D. Camb.
Lectr.

Davies, D. D., B.Sc. Lond.
Asst. Lectr.

Rennie, S. D., B.Sc. Lond.
Res. Asst.

Chemistry

Jones, Brynmor, B.Sc., Ph.D.
Wales, Ph.D., Sc.D. Camb.,
F.R.I.C. G. F. Grant Prof.

Lecturers

Orr, W. B., D.Sc. Belf., Ph.D.
Durh.

Baldwin, R. R., M.A. Camb.

Kipling, J. J., M.A., B.Sc., D.Phil.
Oxon.

Gray, G. W., B.Sc. Glas.

Barker, C. C., B.Sc., Ph.D. Brist.
Norris, A. D., M.A., D.Phil. Oxon.,
F.R.I.C.

Clarke, K., M.Sc., Ph.D. Liv.
Shorter, J., B.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

Garton, C., B.A. Camb.

Rudd, W. J. N., B.A. Dub.

Economics and Commerce

Bowen, I. I., M.A. Oxon. Prof.

Lecturers

Saville, J., B.Sc. (Econ.) Lond.

Klingender, F. D., B.Sc. (Econ.),
Ph.D. Lond. (Sociol.)

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

Rotheray, D., M.A. Camb.
 Nicholson, R. J., M.A. Camb.
 Hiner, O. S., B.A. Camb.
 Smyth, R. L., B.A. Belf.

Assistant Lecturers

Kemp., T., B.Sc. (Econ.) Lond.
 Lane, P. A., B.Sc. Wales

Research Assistants

Bellamy, Joyce M., B.Com. Lond.
 Webb, M. J., B.A. Oxon.
 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

O'Sharkey, Eithne M., M.A.,
 Ph.D. N.U.I.

Maguire, Patricia I., M.A. Glas.
 Ginestier, P., L. ès L., Dipl.

d'Ét. Sup. Paris.
 Charlton, D. G., B.A. Camb.

Pickford, C. E., M.A. Manc.

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.

Assistant Lecturers

Appleton, J. H., M.A. Oxon., B.Sc.
 Durh.

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.

Barker, D., B.A. Liv. Asst. Lectr.
 Carstensen, B., Dr. Phil. Kiel

Lektor.
 Holkers, P. A., fil. mag. Gothen-
 burg (Swedish) 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.
Foster, F. G., M.A. Dub.
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 Asst. 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.
Sewell, G. L., B.A. Oxon., Ph.D.
Lond. Asst. Lectr.
Morris, G. R., B.Sc. Syd., B.A.
Camb. 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. 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.
Rose, A. G., B.Sc. (Econ.) Lond.
Res. Asst.

*Theology**Lecturers*

Tinsley, Rev. E. J., M.A., B.D.
Durh.
Thompson, Rev. P. J., M.A. Oxon.

Zoology

'Espinasse, P. G., M.A. Oxon.
Prof.

Lecturers

Trueman, E. R., B.Sc. Glas.
Grainger, J. N. R., B.A., M.Sc.
Dub.
Edwards, R. L., B.A. Oxon.
Nowell, N. W., B.Sc. Liv.
Asst. Lectr.
Burgess, G. H., B.Sc. R'dg.
Sp. Res. Appt.

Ferens Lecturer

(Fine Art)

1951-52—Prof. A. Nicoll, M.A.
Glas., Hon. D. ès L. Toulouse,
Prof. of Engl. Lang. and Lit.,
Birm. U.

**St. John's College (Cambridge)
Lecturer**

1951-52—Prof. G. E. Briggs, M.A.
Camb., F.R.S., Prof. of Bot.,
Camb. U.

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 con-
junction 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

Crane, Muriel E., M.A. Edin.
(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

Holkers, P. A., fil. mag. Gothen-
burg (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.

Magee, Marjorie B. 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).

(S.T.) = Staff Tutor

GENERAL INFORMATION

The University College of Hull, incorporated on Oct. 7, 1927, was founded by the Rt. Hon. Thomas Robinson Ferens, LL.D., 1847-1930. The Coll. was opened to students for the first time on Oct. 11, 1928.

LIBRARY. Over 100,000 bks.; includes material for advanced res. Learned periodicals and scientific proceedings are represented by over 450 current issues, and by sets of back numbers.

DEGREE COURSES. Tuition is provided for London External degrees in Arts, 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.

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., £45; 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; District Scholp. of £40; Commercial Scholp. of £50; A. P. Needler Scholps. of £50; G. F. Grant Scholps. of £40; William Wilberforce Scholp. of £50; Beatrice Pearlman Scholp. of about £30; W. H. Slack Scholp. of £20; Adult Scholps. of £50; Reckitt Scholps. of £40; Scholp. in Social Studies of £40.

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

RESIDENCE. (For Wardens *see* Administrative and other Staff, p. 521). 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., 68 students; Thwaite Hall, Cottingham, E. Yorks., 175 students. For men (fees: £123 per session): Camp Hall, Harland Way, Cottingham, E. Yorks., 375 students; Needler Hall, Cottingham, E. Yorks., 68 students.

UNIVERSITY AIR SQUADRON. The University Air Squadron, a regular unit of the Royal Air Force, commanded by Sqn. Leader H. G. Davies, 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.: Mrs. Dorothy I. Mullin, B.A. Lond.; Treasurer: J. Wood, B.Sc. Membership is open to all past members of the Students' Union, all full-time members of the Staff (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 1950-51

SUBSTANTIAL BENEFACTIONS. Northern Dairies Group, £1400 over 7 yrs for econ. and soc. res.; Hull Radium Trust, £300 for a Prize Fund and 23 milligrams of radium; Miss H. Maddison, the residue of her estate, the income to be for students working for higher degree in Internat. Law; I.C.I. Ltd., further grant of £250.

NEW BUILDINGS. Students' Union completed in Feb. and boiler-house with its equipment and heating mains in Sept.; New Chem. bldg. under constrcn.; further house in Cottingham, "The Bungalow," bought to increase residential accomm. for students.

CHANGES IN REGULATIONS. Following instituted: Dipl. in Appl. Econ.; Dipl. in Soc. Admin.; Certif. in Local Hist.; Certif. of Further Study in Div. Students will now take Coll. Dipl. in Soc. Studies instead of Lond. U. External Dipl. Reguls. and syllabus of Dipl. in Pub. Admin. substantially changed.

EXTRA-MURAL WORK. 3714 attended 186 courses (held in 51 different centres) arranged by Dept. of Adult Educn.; 15 residential week-end schools held at Scarborough and 12 day or week-end schools at other centres; 125 public lectures, pioneer lectures or lecture recitals arranged; through the Cttee. for Educn. in H.M. Forces, 86 classes and courses provided for Service personnel.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. R. S. Adamson, formerly of Cape T., "Plant Life in S. Africa"; H. S. Davies, Camb., "Wordsworth"; Prof. H. S. Dainton, Leeds, Tilden Lecture: "Atoms and Radicals in Aqueous Solution"; C. W. Guillebaud, Camb., "Wages Councils and the Determination of Wage Rates"; Prof. E. D. Hughes, Lond., "Comparative Chemistry of Carbon and Silicon"; Prof. W. Q. Kennedy, Leeds, "Scottish Tectonics"; Prof. W. R. R. King, Camb., "Effect of Geology on Strategy in N.W. Europe"; Prof. Sir John Lennard-Jones, Camb., "Recent Theories of Molecular Structure"; Prof. J. Read, St. And., "Chemical Personalities a Century Ago".

RESIGNATIONS. J. D. Culverwell, apptd. Sec. to Manc. U. Appts. Cttee.; J. R. Hamilton, apptd. Lectr., Otago U.; R. W. Howorth, apptd. Lectr., Univ. Coll., Leicester; G. Jones, apptd. Lectr., Birm. Sch. of Librarianship; Miss J. M. Woolley, on marriage; Miss F. W. King, to work for Soc. of Friends in Madagascar; M. F. M. Lindsay (Lord Lindsay), apptd. Sr. Res. Fellow, A.N.U.; Dr. H. H. Lucas, apptd. Lectr., Aberdeen U.; Dr. F. S. L. Lyons, apptd. Fellow. Trinity Coll., Dub.; K. A. G. Murray, apptd. Sr. Psychologist,

Civil Service Commission ; J. D. Newton, apptd. Lectr., Liv. U. ; Miss A. Tatlow, apptd. Lectr., L.S.E., Lond. U. ; R. C. Wilson, apptd. Prof. of Educ., Brist. U.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	48	584
Women	20	333
Total	68	917

Included in the above are 108 postgraduate students taking the Certif. in Educn. and 21 engaged in research and taking higher degrees. There were 296 new admissions.

DEGREES. B.A., 82 ; M.A., 2 ; B.Com., 6 ; B.Sc. (Econ.), 11 ; LL.B., 2 ; B.Sc., 75 ; M.Sc., 2 ; Ph.D., 1.

DIPLOMAS AND CERTIFICATES. D. in Soc. Studies, 9 ; C. in Educ., 100 ; Sister Tutor's D., 12.

UNIVERSITY COLLEGE OF LEICESTER*

Founded 1918 ; Royal Charter 1950

Telegrams : University Leicester.

Telephone : Leicester 65211 (3 lines).

VISITOR—Professor GILBERT MURRAY, O.M., M.A., D.Litt., D.C.L. Oxon.,
Litt.D. Camb., LL.D. Glas., D.Litt. Birm., F.B.A., F.R.S.L.

CHAIRMAN OF COUNCIL—H. PERCY GEE, O.B.E., J.P.

PRINCIPAL—CHARLES H. WILSON, M.A. Glas. and Oxon.

REGISTRAR—H. B. MARTIN, B.Com. Lond., F.C.I.S.

ACCOUNTANT—E. C. GOLDSPIK.

LIBRARIAN—RHODA BENNETT, M.A. Lond., F.L.A.

TEACHING STAFF

Botany

Tutin, T. G., M.A. Camb., F.L.S.
Prof.

Conolly, Ann P., M.A. Camb.
Lectr.

Wangermann, Elisabeth, M.Sc.,
Ph.D. Manc. Asst. Lectr.

Tutin, Mrs. Winifred, B.Sc., Ph.D.
R'dg. Pt.-time Lectr.

Lacey, H. J., M.Sc. Nott.
Nuffield Res. Asst.

Chemistry

Hunter, L., D.Sc., Ph.D. Lond.,
F.R.I.C. Prof.

Lecturers

Peeling, E. R. A., B.Sc., Ph.D.
Lond.

Harvey, S. H., B.Sc., Ph.D. Lond.
Shaw, Florence R., B.Sc., Ph.D.

Leeds, F.R.I.C.

Eaborn, C., B.Sc., Ph.D. Wales.

Prestt, Mrs. Brenda M., B.Sc.,
Ph.D. Lond.

Macleod, N., B.Sc. Lond.
Asst. Lectr.

Economics and Commerce

Pool, A. G., B.Sc. (Econ.), Ph.D.
Lond. Prof.

Conway, Freda C., B.Sc. Lond.,
M.A. (Com.) Manc. Lectr.

Groves, P. S., B.Sc. (Econ.) Lond.,
Ph.D. Camb. Asst. Lectr.

Taylor, J., B.Sc. (Econ.) Lond.
Asst. Lectr.

Mason, Rev. L., B.A., B.D. Manc.
Pt.-time Lectr.

Education

Tibble, J. W., M.A., M.Ed. Leeds
Prof.

Lecturers

Roberts, I. E., B.Sc. Wales.

Pedley, R., M.A., Ph.D. Durh.

Swainson, Beatrice M., M.A. Lond.,
D.Phil. Oxon.

Wight, R. M., B.L. Aberd.

Lowe, Mildred, B.Sc. Lond., B.Sc.
Birm.

Bantock, G. H., M.A. Camb.

Flemming, W., M.Sc., M.A. Liv.

Simon, B., M.A. Camb.

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

Part-time Lecturers

Biggs, Mrs. Beryl R., B.A. Lond.
 Eaborn, Mrs. Joyce, B.A. Wales.
 Jones, Very Rev. H. A., B.Sc.
 Lond.
 Barnes, R., M.A. Camb.
 Crammer, R. W., M.A. Camb.
 Field, Barbara M., B.Sc. Lond.
 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.

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.
 Majani, Mlle J., L. ès L.

Lectrice.

Genetics

Fincham, J. R. S., M.A., Ph.D.
 Camb. Lectr.

Geography

Bryan, P. W., B.Sc. (Econ.), Ph.D.
 Lond. Hd. of Dept.

Lecturers

Millward, R., M.A. Camb.
 Fisher, C. A., M.A. Camb.
 Robinson, A. H. W., M.Sc. Lond.
 Pitt, Margaret O., M.A. Camb.
 Asst. Lectr.

Geology

Whitaker, J. H. McD., M.A.
 Camb., B.Sc. Lond. Lectr.

Ford, T. D., B.Sc. 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.
 Nieschmidt, H.-W., Ph.D. Mainz
 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.) 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.

Assistant Lecturers

Gandy, R. O., M.A. Camb.

Davies, R. O., M.A. Camb.

Owens, P. J., M.A. Camb.

Music

Burrows, B., Mus.D. Lond.,
F.R.C.O.

Gray, G. C., Mus.B. Durh.,
F.R.C.O.

Physics

Stewardson, E. A., M.Sc. Liv.,
Ph.D. Camb. Prof.

Lecturers

Haywood, C. A., B.Sc. Birm.

Hunter, A. N., B.Sc. Lond.

Wilson, J. E., B.A. Oxon.

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

Sinclair, Charmian, B.Sc., Ph.D.
Lond.

Russell, P. C., B.Sc. Lond.

Asst. Lectr.

Research Demonstrators

Chapman, K. R., B.Sc. Lond.

Stocking, J., B.Sc. Wales

Social Studies

McKay, Sheila S., B.A. Manc. Dir.

Gray, Mrs. Barbara J., B.A.,
Ph.D. Birm. Tutor.

Sociology

Neustadt, I., Dr.Sc. (Econ.) Liège,
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. D. Irwin, B.A. Camb. 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., G. F. A. Wilmot, B.A. Liv. Admin. Asst.,
Inst. of Educn., 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*, Dr. 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 80,000 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 is under construction.

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 (10,000 vols.), and an information service for teachers.

ADMISSION. For entry to full-time courses students should normally be at least 17. For first degree courses all students must be qualified to proceed to an external degree of the Univ. of London; and in Sci. and Econ. they must also be exempt from or have passed the Inter. or Prelim. Examn.

FEES. Sessional composition fees (including subscription to Students' Union): First Degree in Arts, £35; in Sc., £40; in Econ., £35; Postgrad. Courses in Arts, £10; in Sci., £14; in Econ., £10; in Educn., £54. Dipl. Course in Soc. Studies, £25.

SCHOLARSHIPS. Open Scholps., value £40-£50 a yr., are awarded annually on a Scholps. Examn. held in Feb. or March. The Scholps. are recognized by the Ministry of Educn. for the award of State Scholarships. State Scholps.

are tenable at the Coll. Mary Ager Scholps. 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. 527.) For women (fees: £85 a session): College Hall (including Latimer House and Herrick House), 140 students. For men (fees: £90 a session): Beaumont Hall (including Digby House, Hastings House, Shirley House, Villiers House), 200 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 automatically full members of the Students' Union, which controls the 45 clubs and societies which organize its social, cultural, and athletic activities.

ATHLETIC FACILITIES. Two athletic grounds and pavilions are available: one at Wigston Fields, with pitches for cricket, hockey and rugby, and hard tennis courts; the other at University Fields, Oadby, 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), *Illustrated Brochure*, *Report and Accounts* (annually), *Charter and Statutes*, *Inaugural Lectures* (1s. each), Students' Union Magazine *The Luciad* (terminally).

THE YEAR 1950-51

The outstanding event of the yr. was the granting on 4th Dec. 1950 by H.M. The King in Council of a Royal Charter of Incorporation as a University College.

NEW BUILDINGS, ETC. New Biological Sciences Bldg. completed and Depts. of Bot. and Zool. moved in; space vacated by these Depts. then converted for use of Chem. and Phys. Depts.; new dining-hall at Beaumont Hall opened, and some of the new study-bedrooms ready for occupation; another property, Villiers House, purchased during the yr. and adapted for men students; 2 houses (Latimer House and Herrick House) adapted for women students; work began in May on large extension for Library.

NEW POST. Sr. Res. Fellowship in Agrarian Hist.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. A. D. Ritchie, Edin., "Science and Society"; Prof. T. W. Manson, Manc., "The Life of Christ in Recent Research"; Prof. L. D. Stamp, Lond., "The World's Land Resources"; T. S. R. Boase, Oxon., "Style in the Visual Arts"; Prof. W. J. H. Sprott, Nott., "Society and Personality".

RETIREMENTS. F. L. Attenborough (Principal); Mrs. A. G. Willson.

RESIGNATIONS. C. T. Smith, appointed to Univ. Lectureship, Camb. U.;

J. N. Jennings, appointed to Readership, A.N.U.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	4	476
Women	4	254
Total	8	730

Included in the above are 99 postgraduate students and 212 first-year admissions. In addition 832 students attended courses provided by the Dept. of Adult Educn. at Vaughan College.

DEGREES. B.A., 59 ; M.A., 1 ; B.Sc., 51 ; Ph.D., 1 ; B.Sc. Econ., 15.

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE*

Founded 1949

Postal Address : Keele, Staffordshire.

Telephone : Silverdale 371.

PRESIDENT—The Rt. Hon. THE EARL OF HARROWBY.

VICE-PRESIDENTS—Alderman T. HORWOOD, B.A. Camb. ; Alderman
L. DAVIES, O.B.E., J.P.

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.

REGISTRAR AND DIRECTOR OF STUDIES—W. A. JENKINS, C.I.E., D.Sc.,
Sheff.

LIBRARIAN—S. O. STEWART, M.A. Glas.

TEACHING STAFF

Biology

Gemmell, A. R., B.Sc., Ph.D.
Glas., M.S. Minn. Prof.

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. 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

Nyburg, S. C., B.Sc. Lond., Ph.D.
Leeds.

Spedding, H., M.Sc., Ph.D. Manc.

Classics

Charlton, J. M. T., M.A. Manc.
Reader.

Lecturers

Barton, I. M., B.A. Camb.

Hill, E. R., M.A. N.Z.

Elsworth, W. L., M.A.

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.

Hunter, A., M.A. Glas.

Asst. Lectr.
Lees, D. S., B.Sc. Lond., Ph.D.
Nott. Asst. Lectr.
Cant, R. B., B.Sc. Pt.-time Tutor.

Education

Stewart, W. A. C., M.A., Ph.D.
Lond. Prof.

Lecturers

Blyth, W. A. L., M.A. Camb.,
M.Ed. Nott.
Halliwell, H. F., B.Sc. Lond.
Perrott, P. Elizabeth, M.Sc. Wales.
Walsh, W., M.A. Lond.
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.
Lloyd, M. W., B.A. Oxon.
Asst. Lectr.
Roberts, T. P., M.A. Oxon.
Pt.-time Tutor.

Geography

Beaver, S. H., M.A. Lond. Prof.
Cole, Monica M., B.A., Ph.D.
Lond. Lectr.
Williams, W. M., B.A. Wales
Asst. Lectr.
Yates, E. M., B.Sc. Lond.
Asst. Lectr.

Geology

Cope, F. W., D.Sc. Manc., F.G.S.
Reader.

Assistant Lecturers

Barrass, R., D.F.C., B.A. Camb.
Moseley, F., B.Sc. Sheff., F.G.S.
Shelford, P. H., B.Sc. R'dg.
Trendall, A. F., B.Sc. Lond., Ph.D.
Liv.

Historical Theology

Henderson, R. B., M.A. Oxon.,
B.D. 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., B.A. Camb.
Asst. Lectr.
Rolo, P. J. V., M.A. Oxon.
Pt.-time Lectr.

Mathematics

Sneddon, I. N., M.A., D.Sc. Glas.
and Camb. Prof.
Macbeath, A. M., M.A. Camb.,
Ph.D. Prin. Sr. Lectr.
Lecturers
Fröhlich, A., B.Sc., Ph.D. Brist.
Noble, B., M.A. Camb., B.Sc.
Aberd.
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.

Assistant Lecturers

Broome, J. H., B.A., Ph.D. Lond.
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.

Moral and Political Philosophy

Teale, A. E., B.A. Leeds, B.Litt.
Oxon. Prof.
Montefiore, A., M.A. Asst. Lectr.

Philosophy

Gallie, W. B., M.A., B.Litt. Oxon.
Prof.
O'Connor, D. J., M.A., Ph.D.
Lond. Lectr.

Physics

Vick, F. A., O.B.E., M.Sc., Ph.D.
Birm., F.I.P. Prof.

Assistant Lecturers

Davies, D. E., B.Sc., Ph.D. Wales.
Harrison, R. D., B.Sc. Birm.

Shepherd, A. A., M.Sc., Ph.D. Manc.	Cairns, Mary B., LL.M. Brist., Ph.D. Lond. Asst. Lectr. Rolo, P. J. V., M.A. Oxon. Pt.-time Lectr.
<i>Political Institutions</i>	<i>Psychology</i>
Finer, S. E., M.A. Oxon. Prof.	Iliffe, A. H., B.A. R'dg. Lectr.
Glover, Mary R., M.A. Oxon. Lectr.	<i>Social Studies</i>
Bealey, F. W., B.Sc. Lond. Asst. Lectr.	Glover, Mary R., M.A. Oxon. Dir. of Practical Trg.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar (Estate and Buildings): E. J. Hughes, D.P.A. Asst. Registrar (Finance): T. Ball. Asst. Librarian: Joan E. Friedman, B.A. Camb. Principal's Sec. 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 Coll. follows pattern of modern Univs. with one important deviation. There is a Court, a Council and a Senate with the usual division of powers and duties, but in addition an Academic Council, the majority of whose members are representatives of the Univs. of Oxford, Manchester and Birmingham, and whose approval is required on all matters of academic importance.

INCOME. Income and expenditure of the Coll. will rise each yr. with annual intake of 150 students, until 1954-55 when student nos. will be approx. 600. For 1951-52, with 300 students, income excluding residential fees was approx. £100,000. Approx. percentages from different sources: Govt., 65 per cent; Local Authorities, 24 per cent; Fees, 11 per cent. Certain donations have been received, not as yet included in the Recurring Accounts.

BOARDS OF STUDIES. Humanities: Sec., Prof. W. B. Gallie; Soc. Studies: Sec., Prof. S. E. Finer; Science: Sec., Prof. I. N. Sneddon. Facs. have not yet been instituted.

LIBRARY. Bldg. of Library started at end of 1949. Contains between 40,000 and 50,000 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 are 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.

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.

RESIDENCE (For Wardens *see* "Administrative and other Staff," *supra*). The College is almost entirely residential and only under exceptional circumstances is permission given for residence outside. There are at present 2 Halls of Residence, the Lindsay Hall (*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 constrcn.; 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 1950-51

OPENING OF COLLEGE. First students came into residence on 15th Oct. 1950 and the Coll. was formally opened by H.M. the Queen (the Queen Mother) on 17th Apr. 1951.

BUILDINGS. New Refectory built and brought into use. New Labs. for Biol. Chem. and Phys. started and temp. Geol. Lab. extended.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	99
Women	..	54
Total	..	153

There are no postgraduate students at the College.

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. Chancellor H. K. ARCHDALL, M.A. Camb.

Profs.—*Theol.*, The Principal ; *Latin and Greek*, H. A. Harris, M.A. Oxon. ; *Welsh*, Canon W. H. Harris, M.A., B.Litt. Oxon., B.A. ; *Hist.*, D. Dawson, B.A. Leeds, M.Litt. Camb. ; *Philosophy*, Rev. R. J. Tree, M.A. Wales, B.Litt. Oxon. ; *English*, S. C. Boorman, M.A. Lond. ; *Theology and Hebrew*, Rev. R. H. Fuller, M.A. Camb.

Lectrs.—Rev. F. J. T. David, M.A. Oxon., B.A. (*Hist. and Theol.*) ; F. R. Newte, M.A. Oxon. (*Classics*) ; Rev. T. A. Lewis, M.A. Oxon. (*Philos. and Theol.*) ; Rev. B. N. Y. Vaughan, M.A. Oxon. (*Theol.*) ; Rev. T. G. Davies, M.A. Wales (*Maths.*).

The College was founded in 1827 ; it was incorporated by Royal Charter and was later empowered to confer Degrees in Arts and Theol. It was originally founded for the purpose of affording to persons intended for the Ministry of the Church a liberal education on the lines of that offered by the older Universities. Its Arts Faculty was later recognized by Royal Charter as open to all students, whether ordinands or not. Residence for nine full terms and the passing of three examns., conducted by examiners appointed by Oxford and Cambridge, are requisite for the degree of B.A., ten terms for B.D.

POSTGRADUATE STUDY. There is a Theological Hall for the study of Theol. by graduates.

A Licence in Theol. (L.Th.) is granted to grads. of the Coll. or of any other Univ. who reside at least 2 yrs. and pass the necessary examns. The Licence is accepted as an alternative to the Genl. Ordination Examn. of the Church of England.

SCHOLARSHIPS. Scholarships to the total annual value of £1000 are offered. The Dillwyn Llewelyn Trust provides £170 p.a. from which scholarships are granted to students proceeding to Oxford or Cambridge under the Affiliation regns.

ADMISSION. Candidates can be matriculated (1) on a certif. of any matricn. examn. of a Univ. recognized by the Association of Universities of the British Commonwealth ; (2) on the 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 (1951-52), 160.

DEGREES (1951) : B.A., 39 ; B.D., 1.

SCOTLAND

[Information compiled as at 28/4/52 ;
Staff list revised on 14/10/52.]

UNIVERSITY OF ABERDEEN*

Founded 1494

Telegrams : Aberdeen University.

Telephone (Secretary's Office) : Aberdeen 24367

CHANCELLOR—The Rt. Hon. THOMAS JOHNSTON, LL.D.

VICE-CHANCELLOR AND PRINCIPAL—THOMAS MURRAY TAYLOR, C.B.E.,
Q.C., M.A., LL.D., D.D.

RECTOR—J. K. O. EDWARDS, D.F.C., M.A. Camb.

SECRETARY TO THE UNIVERSITY—W. S. ANGUS, M.A. Oxon., LL.B. Liv.

LIBRARIAN, CLERK, AND REGISTRAR OF GENERAL COUNCIL—W. D.
SIMPSON. M.A., D.Litt.

TEACHING STAFF

<i>Accounting</i>	Naylor, E.	Radiol. Demr.
Grant, J., M.C., M.A.		
Pt.-time Lectr.	<i>Astronomy</i>	
<i>Agriculture, v. infra</i>	.....	Lectr.
<i>Anatomy</i>		
Lockhart, R. D., M.D. Birm., Ch.M. Reg. Prof.	<i>Biblical Study</i>	
	Neil, Rev. W., M.A., B.D., Ph.D. Glas.	Lectr.
Lecturers	.....	Asst.
Hamilton, G. F., B.Sc., M.B., Ch.B.		
Fyfe, F. W., M.A., M.B., Ch.B.	<i>Biological Chemistry</i>	
McKenzie, J., M.B., Ch.B.	Kermack, W. O., LL.D. St. And., M.A., D.Sc., F.R.S.	Prof.
Purser, G. L., M.A. Camb. (Em- bryol.)	Long, C., M.A., B.Sc., D.Phil. Oxon.	Lectr.
Assistants	Lees, H., B.Sc. Liv., Ph.D. Lond.	Lectr.
Bruce, A. W., M.B., Ch.B.	Maguire, M. F., M.Sc. N.U.I.	
Duguid, I. M., M.B., Ch.B.		Asst.
Milne, R. G. S., M.B., Ch.B.	.....	Asst.
Abernethy, B. C., M.B., Ch.B.		

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

Biology, v. Nat. Hist.*Botany*

Matthews, J. R., M.A. Edin.,
F.L.S. Reg. Prof.
Downie, Dorothy G., B.Sc., B.Sc.
(For.) Edin., Ph.D. Chic.
Reader.

Lecturers

Gimingham, C. H., M.A. Camb.,
Ph.D.

Stirling, J., D.Sc. St. And.

Assistants

Dodds, J. G., B.Sc.
Channon, A. G., B.Sc.
Curick, F., M.Sc., Ph.D. Manc.
Sommerville, Mrs. Alice H., M.A.,
B.Sc. Pt.-time Asst.

Celtic and Comp. Philology

Macdonald, John, M.A. Reader.
Mackenzie, Annie M., M.A. Asst.

Chemistry, v. also Agric., *infra*

Barrer, R. M., D.Sc. N.Z., Ph.D.,
Sc.D. Camb., F.R.I.C. Prof.
Strathdee, R. B., O.B.E., T.D.,
Ph.D. Camb., M.A., B.Sc.,
F.R.I.C. Reader.

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.

Assistants

Addison, W. E., B.Sc. Glas.
Bruce, D. B., B.Sc.
Beattie, I. R., B.Sc. Nott.
Rees, L. V. C., B.Sc.

Senior Research Fellow

Kington, G. L., B.Sc., Ph.D. Brist.

Junior Research Fellow

.....

Chemistry, Clinical, v. *infra*,
Med.*Classics : Greek*

Cameron, A., M.A. Glas., B.A.
Oxon. Reg. Prof.
Thomson, G. 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.

Assistants

.....
.....

Divinity, v. also Hebrew

Henderson, G. D., D.D., M.A.,
D.Litt. Glas. (Church Hist.)
Prof.
Graham, J. M., M.A. Glas. (Sys-
tematic T.) Prof.
Macleod, J., M.A. Glas., D.D.
(Christian Dogmatics) Prof.
Hunter, A. M., M.A., B.D., Ph.D.,
LL.D. Glas., D.Phil. Oxon.
(Bibl. Crit.) Prof.
Cairns, D., M.A. Oxon.
(Syst. T.) Pt.-time Lectr.

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.)

Eastwood, W., B.Eng. Sheff.,
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.Sc. (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.).

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.

Assistants

Barron, W. R. J., M.A., B.Phil.
St. And.

Forsyth, R.A., M.A. Natal.

Michie, J. A., B.A. Oxon., M.A.

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. 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

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.

Wilson, D. B., M.A. Camb. Asst.

Part-time Assistants

Michot, Anne F., L. ès L. Rennes
Bonsergent, Yvonne, L. ès L.

Rennes

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. Asst.
 (Cartographer)

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.

Assistant

Williamson, D. H., B.Sc., Ph.D.

Jr. Research Fellow

Tocher, F. E., B.Sc.

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. Asst.
 Brebner, Liliass W., M.A. Asst.

Hebrew and Semitic Langs.

Kennedy, Rev. A. C., M.A., B.D.,
 D.D. Edin. Prof.
 Alexander, A. D., M.A., B.D.
 Edin. Lectr.

History

Black, J. B., M.A. Glas. and Oxon.,
 LL.D. 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. (Br.
 Col. and Dom. H.)
 Humphries, W. R., M.A. (Scottish
 H.).

Assistants

Crowder, C. M. D., M.A. Oxon.
 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 Scientific Research

Wightman, W. P. D., M.Sc.,
 Ph.D. Lond. Lectr.

International Relations

Frankel, J., M.L. Lwow, LL.M.
 W. Aust., Ph.D. Lond.
 Lectr.

Italian

Chandler, S. B., B.A. Lond.
 Lectr.

Law

Smith, T. B., M.A. Oxon. (Scots
 L.) Prof.
 MacRitchie, F., M.A., LL.B. (Con-
 veyancing) McLennan Prof.
 Daube, D., Ph.D. Camb., Dr. jur.
 Gótt. (Jurisprud.) Prof.
 Gow, J. J., B.L. Lectr.
 Smith, Joan, M.A., LL.B., Ph.D.
 Edin. Lectr.
 Fackenheim, J., Dr. jur. Halle
 (Compar. L.) Pt.-time Lectr.
 Hay, A. L., M.A., LL.B. (Proced-
 ure and Evidence)
 Pt.-time Clark Lectr.
 Milne, A., B.L. Pt.-time Asst.
 Ellis, R. T., M.A., LL.B.
 Pt.-time Asst.
 Anton, A. E., M.A., LL.B.
 Pt.-time Asst.
 Ramsay, F., B.L. Glas.
 Pt.-time Asst.

Logic

Ferguson, A. S., M.A. St. And.
 and Oxon., LL.D. St. And.
 Reg. Prof.
 Bednarowski, W., D.Phil. Cracow
 Lectr.

Mellor, W. W., B.A., B.Phil. Oxon.
Asst.
Shorter, J. M., M.A. Oxon. Asst.

Mathematics

Wright, E. M., B.A. Lond., M.A.,
D.Phil. Oxon. Prof.

Lecturers

Macintyre, A. J., B.A., Ph.D.
Camb.
Potter, H. S. A., M.A., D.Phil.
Oxon.
Goddard, L. S., B.Sc. Syd., Ph.D.
Camb.
Bowen, N. A., B.Sc. Lond., M.Sc.
Wales, Ph.D.
Ponting, F. W., M.A. Oxon.
Macintyre, Mrs. Sheila, M.A. Edin.,
B.A. Camb., Ph.D.
Cockcroft, W. H., M.A., D.Phil.
Oxon.
..... (Stats.).

Assistants

Austin, M. C., B.Sc. Lond.
Griffiths, H. B., M.Sc., Ph.D.
Manc.
Marriott, F. H. C., B.A. Camb.,
Ph.D. (Stats.).
Billewicz, W., M.Sc. Lond. (Stats.)
Sr. Research Fellow
.....

Medicine, v. infra

Music

Swainson, S. 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

Forrest, Aileen, B.Sc.
Goodbody, I. M., Ph.D.
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.
Wright, D. H., B.A. Oxon. Asst.

Philosophy, Natural

Jones, R. V., C.B., C.B.E., M.M.
(U.S.A.), M.A., D.Phil. Oxon.,
F.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. (Ex-
per. Phys.).
Richards, J. C. S., B.Sc. (Elec-
tronics).
Jones, D. A., B.Sc. Wales, Ph.D.
Myers, H. P., B.Sc., Ph.D. Sheff.
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.
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.
 Turnbull, D. T., B.Sc., Ph.D.
 Durh.

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.
 Liège, 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.
 Buckley, K. D., B.A. Lond. (Econ.
 Hist.) Asst.

Campbell, R. H., M.A. Glas.
 Rowntree, Anna G. B., M.A.
 Oxon. (Nuffield Fellowship)
 Sr. Res. Fellow

Political Theory

Burns, J. H., M.A. Edin., Ph.D.
 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.

Soil Science

McArthur, D. N., D.Sc., Ph.D.
 Glas., F.R.I.C.

Hon. Res. Lectr.

Williamson, W. T. H., Ph.D.
 Edin., B.Sc., F.R.I.C. Lectr.
 Coutts, J. R. H., M.Sc. Lond.,
 D.Sc. Natal Lectr.
 Fitzpatrick, E. A., Ph.D. Asst.

Spanish

Parker, A. A., M.A. Camb.
 Reader.
 Dunn, P. N., M.A. Lond. Lectr.

*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.)

Bywater, T. L., B.Sc. Wales, M.S.
 Wisc.

Strathcona-Fordyce Prof.

Lecturers

Fraser, A. H. H., B.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 Hus-
 bandry)

..... (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.

Imper, A. D., M.B.E., B.Sc. Wisc.,
B.Sc. (Agr.), Ph.D. (Agr.
Book-keeping)
Pt.-time Lectr.

Assistant

Young, J. F., B.Sc. (Agr.)

Part-time Assistants

Bain, R., B.Sc. (Agr.) Glas.
Temp.
Dodsworth, T. L., B.Sc. (Agr.)
Leeds, Ph.D.

Agricultural Chemistry

Moore, W., B.Sc. (Agr.), D.Sc.
Hamilton, W. D. B., B.Sc., B.Agr.
Belf.

Walker, H. F., B.Sc. Agr., Ph.D.
Durh.

Agricultural Engineering

Davies, E. F., B.Arch. Liv.
Pt.-time Asst.
Chisholm, J. A. Pt.-time Asst.

Agricultural Law

Wilson, N. J., M.A., LL.B.
Pt.-time Asst.

Veterinary Hygiene

Grant, J. C. Pt.-time Lectr.

Medicine

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

Anæsthetics

Robson, T. O., M.B., Ch.B.
Pt.-time Lectr.

Bacteriology

Cruikshank, 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.
Smith, J., D.Sc., M.D., D.P.H.,
F.R.C.P. Pt.-time Lectr.

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.

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.
Munro, Mrs. Helen R., M.B., Ch.B.
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, D., M.C., M.A., B.Sc.,
M.D., LL.D. Glas., F.R.F.P.S.
Glas. Reg. Prof.
Morgan, T. N., M.D. Lectr.
Gruer, Mrs. Rosamond, M.B.,
Ch.B. Asst.

Medicine

Fullerton, H. W., M.A., M.D.,
F.R.C.P. Reg. Prof.

Lecturers

Macleod, M., 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.)

Assistants

Manson, Doris I., M.B., Ch.B.
Hobson, Mrs. Wendy J. A., M.B.,
Ch.B.

Mental Diseases

Wyllie, A. M., B.Sc., M.D. Glas.,
Dip.Psych. Edin.
Pt.-time Lectr.

Part-time Assistants

Raitt, W. J., M.B., Ch.B.
Maclean, Helen C. S., M.B., Ch.B.

Mental Health

Millar, W. M., M.D., Dip.Psych.
Edin. Crombie-Ross Prof.
Valentine, M. G., M.D. Lectr.
Milne, A., M.B.E., M.B., Ch.B.
Pt.-time Lectr.
Drewery, J., M.A. Asst.

Midwifery

Baird, D., B.Sc., M.D., D.P.H.
Glas., F.R.C.O.G. Reg. Prof.

Walker, J., B.Sc., M.B., Ch.B.
Glas. Lectr.

Thomson, A. M., B.Sc., M.B.,
Ch.B. Glas. (Infant Mortality)
Lectr.

Bernard, R. M., M.B., Ch.B.
Lectr.

Milne, G. P., M.B., Ch.B.
Pt.-time Lectr.

Wyper, J. F. B., B.Sc., M.B.,
Ch.B. Glas. (Clin. Gynæcol.)
Pt.-time Asst.

Hytten, F., M.B., B.S. Syd.
Sr. Res. Fellow.

Ophthalmology

Law, Beatrix B., M.A., M.D., D.O.
Pt.-time Lectr.

Part-time Assistants

Mutch, J. R., M.D.
Cockburn, C., M.B., Ch.B.,
F.R.C.S.Ed.
Milne, W. S., M.B., Ch.B.

Pathology

Young, J. S., M.C., M.A., B.Sc.,
M.D. Glas.
Reg. (Wilson) Prof.

Lecturers

Nairn, R. C., M.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.B., B.S.

Assistants

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

Rae, H. J., M.C., M.A., M.B.,
Ch.B., D.P.H.

Mitchell, Mabel E., B.Sc., B.L.,
M.B., Ch.B., D.P.H. Glas.
(Mother and Child Welfare).
Doig, A. T., M.D., D.P.H. St. And.
(Factory Hyg.).

Part-time Assistant

Chambers, W., M.B., Ch.B. 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.
..... Lectr.
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.

Tuberculosis

Bell, D., M.D. Edin., D.P.H.
Pt.-time Lectr.

Part-time Assistants

Mason, Anna T., M.B., Ch.B. Glas.
Fraser, R., M.D., D.P.H.

Venereal Diseases

Bowie, F. J. T., M.B., Ch.B.,
D.P.H. Pt.-time Lectr.
Wright, C. C., M.B., Ch.B., D.P.H.
Pt.-time Asst.

Gifford Lecturer in Nat. Theol.

1953-54—Rev. P. J. Tillich, Ph.D.,
D.Theol. 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, B.D. 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 (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.*: A. Hill, B.Sc., B.Sc. (Agr.); *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; 7 Advisory Officers (Agric. Bacteriol., Animal Husb., Crop Husb., Entomol., Farm Bldgs., Grassland Husb., Mycol.), 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.

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. Classes in Agric. Engin. are provided in connexion with the degree of B.Sc. (Agr.) of the Univ. and the Dipl. of the N. of Scotland Coll. of Agric. Courses for Marine Engineers are provided in preparation for the exams. 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. 547). 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. *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. *Navigation*, Hd. of School, C. R. Cameron, D.S.C.; Lectrs.: D. F. McKay, F. W. Gardiner, George P. Insh; Lectr. in Ambulance Work, A. G. Beattie, M.B., Ch.B. Aberd. *Pharmacy*, Hd. of School, J. E. Bowen, B.Sc. Wales, F.R.I.C.; Lectrs.: Nancy M. Rose, M.A., B.Sc. Aberd., W. R. L. Brown, B.Pharm. Lond., A. MacDonald, Sheila Wilson; 1 Lab. Attendant; 1 Asst.; Clerk and Treasurer, W. R. Murdoch.

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 Hospl. 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 1500, has 251,000 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 about £3500.

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. Hospls. available for clinics: Infirmary, 550 beds; Woodend Hosp., 340; Children's, 150; Fever, 300; Mental Hospl., 900; Maternity Hosp., 111; Ophthalmic Institution, average 7000 out-patients annually.

FACULTIES AND DEANS. *Arts*, Prof. H. Hamilton (Pol. Econ.); *Divinity*, Prof. A. M. Hunter (Bibl. Crit.); *Law*, Prof. T. B. Smith; *Medicine*, Prof. D. Campbell (Mat. Med.); *Science*, Prof. T. L. Bywater (Agric.).

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., 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 (FELLOWSHIPS, SCHOLARSHIPS, etc.) open to graduates of other Universities : 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 5th or final yr. of study. A fee—at present £30—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.,). H.Q. of both Formations is situated at College Bounds, Old Aberdeen ; membership is voluntary, and is confined to Matriculated Students of the Univ.

ATHLETIC ACTIVITIES. There are playing fields at King's 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 1950-51

SUBSTANTIAL BENEFACTIONS. Late Mrs. M. Presslie, Aberdeen, £8869, bequest for foundation of "Dr. Alexander Presslie" bursaries in Med.; Carnegie Trust, Edinburgh, £4843, grant for sp. purposes; I.C.I., Ltd., London, £2500, 2nd of 7 instalments towards cost of foundation of Lectureship in Hist. and Philos. of Scientific Res.; Nuffield Foundation, £2000, 2nd gift towards cost of Res. Fellowship in "Economics of Starting a Family"; late Dr. C. H. M. Milne, Edinburgh, £1500, bequest to increase annual value of Dr. Black Prize in Lat.; late E. Skene, Whitley Bay, £753, for general purposes; Dr. J. A. Ross, Aberdeen, £143, 6th instalment of donation towards cost of foundation of Chair of Child Health; F. A. Ritson, Elgin, £100, last annual donation to cover cost of course of lectures on Pol. Sci. and Internat. Relations; Trustees of John Gordon's Charitable Fund, Aberdeen, £100, further donation towards cost of foundation of Lectureship in Biblical Study; Swedish Inst. for Cultural Relations, London, £100, grant towards cost of books on Swedish for Univ. Library; late Sheriff D. Crawford, Edinburgh, £100, bequest for general purposes.

CHANCELLOR. Rt. Hon. Thomas Johnston was elected Chancellor of the Univ. in succession to Rt. Hon. Field-Marshal The Earl Wavell, who died 24th May 1950.

NEW POSTS. Chair of German; Chair of Jurisprud.; Chair of Geog.; Chair in Social Med.

CHANGES IN DEGREE REGULATIONS. M.A.: Hons. may be taken in French-Italian and Spanish-Italian; Scottish Hist. added to list of graduating subjects for Ord. Degree; Advanced courses instituted in Swedish, Italian, and Pol. Theory. B.Sc. Agr.: former course in Agr. Chem. to be covered by 2 sep. courses in Agr. Biochem. and Soil Sci.

NEW BUILDINGS. Admin. Offices: reconstrucn. of 2 large rooms formerly occupied by Chem. Dept. completed. *King's College*—erection of new Chem. Bldgs. completed; these will be occupied in Oct. 1952. *Foresterhill*: A hut has been converted for use as an Animal House.

VISITS OF MEMBERS OF STAFF OF OTHER UNIVS. Prof. M. Polanyi, Manc., course of 10 (Gifford) lectures, "Commitment in search of a Post-Critical Philosophy"; Prof. A. V. Hill, Lond., "Muscular Dynamics and Athletic Capacity in Animals"; Prof. P. Michot, Liège, "The Ruwenzori Mountains"; Prof. C. Heymans, Ghent, "Blood Pressure, Homeostasis and Hypertension"; Prof. A. J. Lewis, Lond., "The Dependence of Psychiatry"; Prof. E. M. Meijers, Leyden, "Two Systems of Law—Case Law and Codification."

RETIREMENTS. Nil.

RESIGNATIONS. Dr. R. P. N. Jones (Engin.), apptd. to Sheff. U.; Dr. C. E. Lumsden (Pathol.), apptd. to National Hosps. for Nervous Diseases; W. S. Mitchell (Sub-Librarian), apptd. Librarian at King's College, Newcastle upon Tyne; W. H. Quenouille (Stats.), apptd. to Yale U.; G. E. Swindell (Med. Phys.) apptd. to N.H.S. post in N. Ireland; Marian B. H. Whyte (Psychiatric Social Worker), apptd. to Leeds U.; Dr. N. W. McLachlan (Nat. Philos.), apptd. to commercial post in America; Dr. G. B. D. Scott (Pathol.), apptd. to St. Mary's Hosp. Med. Sch., Lond.; Dr. F. W. Landgrebe (Mat. Med.), apptd. to Chair of Pharmacology, Welsh Nat. Sch. of Med.; Dr. J. Green (Clin. Chem.), apptd. to N.H.S. post in London; Dr. A. Mair (Pub. Health), apptd. to St. And. U.; A. J. Laird (Psychol.), apptd. to Makerere C.

HONORARY DEGREES. *D.D.*—Dr. F. H. J. Berkelbach van der Sprenkel, Prof. of Dogmatics and Practical Theol., Utrecht U. ; Rev. J. G. Drummond, Pres., Glasgow Christian Council ; Rev. J. A. Fraser, Sr. Chaplain, 52nd (Lowland) Division ; Rev. Dr. G. Ogg, Parish Minister, Anstruther, Fife. *LL.D.*—Dr. E. Dieth, Prof. of English, Zurich U. ; D. Fraser, Lord Provost of the City of Aberdeen, Nov. 1947 to May 1951 ; S. McDonald, Sheriff-Substitute of Aberdeen, Kincardine and Banff at Aberdeen ; Dr. Agnes M. Mackenzie author and historian ; T. M. Y. Manson, Editor, *Shetland News* ; Dr. A. R. Murison, Principal, Marr Coll., Troon ; Sir W. G. Ogg, Dir., Rothamsted and Woburn Experimental Stations ; Sir Hugh Robertson, Founder and Conductor of Glasgow Orpheus Choir ; Rt. Hon. Baron Robinson of Kielder Forest and of Adelaide, Chairman of Forestry Commission.

STUDENTS (Matriculated only).

	<i>Part-Time</i>	<i>Full-Time</i>
Men	48	1421
Women	8	535
Total	56	1956

Included in the above are 69 postgraduate students (56 men ; 13 women) and 502 first-year admissions (352 men ; 150 women).

DEGREES. *Arts* : Ph.D., 1 ; M.A. Hons., 92 ; M.A. Ord., 129 ; Ed.B. Hons., 7 ; *Divinity* : B.D. Ord., 1. *Law* : LL.B. Ord., 3 ; B.L. Ord., 7. *Medicine* : Ch.M., 0 ; M.D. Hons., 3 ; M.D. Comm., 2 ; M.D. Ord., 4 ; M.B., Ch.B. Hons., 2 ; M.M., Ch.B. Comm., 3 ; M.B., Ch.B. Ord., 103. *Science* : Ph.D., 14 ; B.Sc. (Pure) Hons., 49 ; B.Sc. (Pure) Ord., 34 ; B.Sc. (Agr.) Hons., 2 ; B.Sc. (Agr.) Ord., 20 ; B.Sc. (For.) Ord., 14 ; B.Sc. (Eng.) Hons., 6 (Civil 3, Mech. 2, Elect. 1) ; B.Sc. (Eng.) Ord., 44 (Civil 20, Mech. 11, Elect. 13).

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., D.Sc., Sc.D., LL.D., F.R.S.

RECTOR—Sir ALEXANDER FLEMING, M.B., B.S. Lond., F.R.S., F.R.C.S.,
F.R.C.P.

SECRETARY TO THE UNIVERSITY—CHARLES H. STEWART, M.A., LL.B.
Glas.

SECRETARY TO THE GENERAL COUNCIL—G. DONALDSON, Ph.D. Lond.,
M.A.

REGISTRAR TO THE GENERAL COUNCIL—W. A. COUTTS, M.A.

LIBRARIAN—L. W. SHARP, Ph.D. Camb., M.A.

ACCOUNTANT—R. O. CURLE.

TEACHING STAFF

Accounting and Business Method

Murray, A. G., M.A. Prof.
Whitton, J., M.A., B.Com. Lectr.
Taylor, R. Lectr.
Ritchie, J. M. Asst.

Actuarial Science

Lecturers
Donald, D. W. A., O.B.E., F.F.A.
Ross, A. F., F.F.A.

Agriculture, v. infra

Anatomy

Brash, J. C., M.C., M.D. Birm.,
M.A., B.Sc., M.B., Ch.B.,
F.R.C.S.Ed., F.R.A.I. Prof.
Inkster, R. G., M.A. Dub., M.B.,
Ch.B., M.D. Reader.

Lecturers

Craig, R. C., M.B., F.R.C.S.Ed.
Taylor, H. W. Y., M.A., B.Sc.,
M.B., Ch.B.

Duckworth, J. W. A., M.B., Ch.B.
Barrett, Helen S., M.B., Ch.B.
Robertson, D., M.B., Ch.B.,
F.R.C.S.Ed.
Romanes, G. J., B.A., Ph.D.
Camb., M.B., Ch.B.

(Neuro-anat.).

8 Assts. (Applied A.)

Anatomy, Comparative (Veterinary)

Grahame, T., F.R.C.V.S. Lectr.

Anthropology

Little, K. L., M.A. Camb., Ph.D.
Lond. (Social A.) Reader.
Littlejohn, J. Lectr.
6 Assistants.

Arabic

Watt, W. M., M.A., M.Litt. Oxon.,
M.A., Ph.D. Lectr.

Member of the Association of Universities of the British Commonwealth.

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.

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

Lyll, 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.

Macaulay, F. E. G., M.A. Asst.

Chemistry

Kendall, J. P., M.A., D.Sc., F.R.S.
Prof.

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.

Ritchie, M., D.Sc., Ph.D., F.R.I.C.

Taylor, D., B.Sc., Ph.D.

Aspinall, G. O., B.Sc. Brist.

Magee, R. J., M.Sc. Belf.

Tipper, C. F. H., B.Sc., Ph.D.

Brist.

Percival, Mrs. E. E., B.Sc. Birm.,
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.

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.

Classics: Latin

Grant, M., O.B.E., M.A. Camb.
Prof.

Lecturers

Potter, K. R., M.C., M.A. Oxon.
Smith, W. K., M.A. Camb.
Wellesley, K., M.A. Camb.
Bishop, J. H., M.A. Camb.

Commerce, and Organization of Industry, v. also Acc., Banking

Oliver, W., B.Sc. Prof.
Hunt, N. C., B.Com. Lond., Ph.D.
Lectr.

1 Asst.

Commercial and Polit. Econ. and Merc. Law, v. also Law

Gray, Sir Alexander, C.B.E., M.A.
Prof.
Rankin, Mary T., M.A., D.Phil.
Reader.

Lecturers

Birnie, A., M.A. (Econ. Hist.)
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*

Baillie, Very Rev. J., LL.D.
Muhlenberg, M.A., D.Litt.,
D.D., S.T.D. Prof.
Burleigh, Rev. J. H. S., B.Litt.
Oxon., D.D. Aberd., M.A.,
B.D. (Eccl. Hist.) Prof.

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., D.Theol. Basle,
M.A., B.D. (Church Hist.)
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.
Emmett, W. G., M.A. Camb.
Reader.

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.
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.

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. (Scandi-
navian) 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.
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.

Lecturers

Legge, M. Dominica, M.A., B.Litt.
Oxon.

Steele, A. J., M.A.
Clark, J. G., Dr. Univ. 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.

Miller, R., 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.

Rutledge, H., B.Sc. Durh.

Clark, R. H., M.Sc. N.Z., F.G.S.

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., Div.

Pares, R., C.B.E., M.A. Oxon.,
F.B.A. Prof.

Lecturers

Balfour-Melville, E. W. M., M.A.
Oxon., D.Litt., F.R.Hist.S.,
F.S.A.

Horn, D. B., M.A., D.Litt.

Hay, D., M.A. Oxon. (Mediaeval
and Gen. European H.).

Shepperson, G. A., M.A. Camb.

Kiernan, V. G., M.A. Camb.

3 Assts.

History, Ancient (Gk. and Roman)

Cadoux, T. J., M.A., D.Phil.

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

Saunders, L. J., M.A., D.Litt.

Prof.

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

..... (Helminthology).

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.

5 Assts.

Palæontology, v. Geol.

Petrology, v. Geol.

Philology, v. French, Ger.,
Sansk.

Philosophy

Ritchie, A. D., M.A. St. And. and
Camb. Prof.

Allen, D. J., M.A. Oxon.
(Ancient P.) Reader.

Lecturers

Sinclair, W. A., O.B.E., M.A.
Fairweather, 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.

4 Assts.

Philosophy, Natural

Feather, N., B.A., Ph.D. Camb.,
B.Sc. Lond., F.R.S. Prof.

Born, M., M.A. Camb., D.Sc.
Brist., Ph.D. Gött., F.R.S.

Tait Prof.

..... Reader.

Lecturers

Richardson, H. O. W., B.Sc.
Lond., Ph.D. Camb.

Childs, C. B., Ph.D. Birm.

Paton, J., M.A., B.Sc.

Ross, Marion A. S., M.A., Ph.D.

Kyles, J., M.A.

Dainty, J., M.A. Camb.

Sillitto, R. M., B.Sc.

Connor, R. D., B.Sc., Ph.D.

Kemp, C. N., B.Sc.

Miller, N., B.Sc., Ph.D. Lond.

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.

Eggleton, P., D.Sc. Lond.

Reader.

Lecturers

Pickford, Mary, M.Sc. Lond.

Dewar, A. D., B.Sc., Ph.D. Lond.

Hebb, Catherine O., M.A. Dal.,
Ph.D. McG.

Mount, L. E., M.B., B.S. Lond.,
M.D., C.M. McG.

Watt, J. A., B.A. Oxon., M.B.,
Ch.B.

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.

Pol. Econ., v. Commercial Econ.,
Hist.*Political Science*

Nobbs, D., M.A. Camb. Lectr.

Psychology

Drever, J., M.A. Prof.

Lecturers

Collins, Mary, M.A., B.Ed., Ph.D.,
F.B.Ps.S.

Semeonoff, B., M.A., B.Ed., Ph.D.,
F.B.Ps.S.

McKenzie, R. M., M.A.

Reid, R. L.

McMahon, D., M.A. Durh.

6 Assts.

Rhetoric, v. English*Russian*

Ward, W., 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.
 2 Assts.

Statistics, v. Mathematics*Theology*, v. Divinity*Zoology*, v. Nat. Hist.**Agriculture and Forestry**

(v. also Bot., Engin.)

Agriculture and Rural Economy

Watson, S. J., D.Sc. Durh., F.R.I.C.
 Prof.

Lecturers

Gordon, J. Evans, B.Sc. Aberd.,
 Ph.D.
 Cunningham, J. M. M., B.Sc.
 Hayes, S. F., B.Sc.
 Holmes, J. C., B.Sc.
 Knox, M. A., B.Sc.
 Runcie, K. V., B.Sc.
 Inglis, J. S. S., B.Sc.
 McGhee, A. R., M.Sc. Purdue,
 B.Sc.
 1 Asst.

Agric. and Forest Entomol.

Lecturers

McHardy, J. W., B.Sc.
 Guild, W. J., Ph.D. Lond., B.Sc.

Agricultural Bacteriology

Gibson, T., D.Sc. Lectr.

Agricultural Chemistry

Smith, A. M., Ph.D., D.Sc.,
 F.R.I.C. Lectr.

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.

Dentistry*Dental Anatomy and Histology*

Kemball, C. H., D.D.S. Penn-
 sylvania, 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.

Operative Dental Surgery

Baxendine, W. P., O.B.E., L.D.S.
 Sr. Lectr.
 Beagrie, G. S., L.D.S. Lectr.
 Waterston, W., L.D.S. Lectr.

Orthodontics

Johnston, Dorothy L., L.D.S.
 Lectr.

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.

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. D., M.A., M.D. Camb.
Sr. Lectr.**Lecturers**Wright, Helen A., M.B., Ch.B.,
D.P.H.Duguid, J. P., B.Sc., M.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.

*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. Mon-
tana.Kapeller-Adler, Regina, Ph.D.
Vienna, D.Sc.

Easson, L. H., B.Sc., Ph.D.

Gilchrist, Elizabeth, M.A., B.Sc.,
Ph.D.

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.

Dental Diseases

Jamieson, J. D. H., H.D.D., L.D.S.
Lectr.

Dermatology

Percival, G. H., M.D., F.R.C.P.Ed.
Prof.

Hannay, P. W., M.B., Ch.B. Lectr.

Duthie, D. A., M.B., Ch.B. Asst.

Eye, Diseases of the, v. *infra*,
Clin. Teaching Staff

Forensic Medicine

Smith, Sir Sydney, C.B.E.,
M.D., D.P.H. Edin. and Glas.,
F.R.C.P.Ed. Reg. Prof.

Fiddes, F. S., O.B.E., M.B., Ch.B.,
M.D. Lectr.

Kerr, D. J. A., M.D., F.R.C.P.
Lectr.

Ogilvie, R. F., M.D., F.R.C.P.Ed.
Asst.

Gynæcology, v. Obstetrics and
Gynæcology, *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.Ch.
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.

2 Assts.

Medicine, Clinical, v. also *infra*,
Clin. Teaching Staff

Lyon, D. M., M.D., D.Sc.,
F.R.C.P.Ed., D.P.H. Ed. and
Glas. Prof.

*Mental Diseases, v. Psychiatry**Neurological Surgery*

Dott, N. M., M.B., Ch.B.,
F.R.C.S.Ed. Prof.
Gillingham, F. J., M.B., B.S.,
F.R.C.S. Sr. Lectr.

Neurology, Clinical

Slater, J. K., O.B.E., M.D.,
F.R.C.P.Ed. Lectr.

*Obstetrics and Gynæcology, v.
also infra, Clin. Teaching Staff*

Kellar, R. J., M.B.E., M.B., Ch.B.,
F.R.C.S.Ed., F.R.C.P.Ed.,
F.R.C.O.G. Prof.

Senior Lecturers

Haultain, W. F. T., O.B.E., M.C.,
B.A., M.B., B.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.

Lyon, R. L., M.B., Ch.B.

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.

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 Medi-
cine*

Crew, F. A. E., M.D., D.Sc., Ph.D.,
F.R.S., F.R.C.P.Ed. Prof.

Clark, W. G., M.B., Ch.B. Glas.
(M.O.H. for the city) (San.
Admin.) Sr. Lectr.

Passmore, R., M.A., D.M. Oxon.
(Clin. and Indust. Physiol.)

Sr. Lectr.

Lecturers

Scott, R., M.D., D.P.H.

Swanston, Catherine N., D.I.H.,
D.P.H. (Industrial Health).

Woolf, B., M.A., Ph.D. Camb.
(Medical Statistics).

Seiler, H. E., M.D. Glas.

Gammie, J. L., M.B., D.P.H.
Aberd.

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.

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 - Dia-
gnosis) Sr. Lectr.

Lecturers

M'Gibbon, J. P., M.D., D.P.H.,
D.M.R., F.R.C.P.Ed.

Murison, C. A., M.A. Aberd., Ph.D.
Lond. (Physics).

Surgery, v. also *infra*, Clin.
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. (Sur-
gery and Clin. S.) Prof.

Gillies, J., M.B., F.R.C.S.Ed.
(Anæsthetics) Reader.

Lowdon, A. G. R., O.B.E., M.A.,
M.B., Ch.B., F.R.C.S.
Sr. Lectr.

Lecturers

Band, D., M.B., Ch.B., F.R.C.S.Ed.
(Urological S.).

Brown, J. J. M., M.B., Ch.B.,
F.R.C.S.Ed. (Pædiatric S.).

Wallace, A. B., M.Sc. McG., M.B.,
Ch.B., F.R.C.S.Ed.

(Plastic S.).

Logan, A., M.B., Ch.B. St. And.,
F.R.C.S.Ed. and Eng.

(Thoracic S.).

Bruce, J., M.B., Ch.B., F.R.C.S.Ed.

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.

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.
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 Gynæ-
cologists

Sturrock, J., M.B., F.R.C.S.Ed.,
F.R.C.O.G.
Kennedy, C. D., M.B., F.R.C.S.Ed.,
F.R.C.O.G.
MacGregor, T. N., M.D.,
F.R.C.S.Ed.
Liston, W. A., M.B., Ch.B.,
F.R.C.S.Ed.
Matthew, G. D., M.B., Ch.B.,
F.R.C.S.Ed.
Callam, W. D. A., M.B., Ch.B.,
F.R.C.S.Ed.

Senior Registrars

Mackie, Joan E. W., M.B., Ch.B.
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., F.R.C.P.Ed.

Bruce, J. A., M.B., Ch.B.,
F.R.C.P.Ed.

Duthie, J. J. R., M.B., Ch.B.

French, E. B., B.A., M.B., B.Ch.

Assistant Physicians

- Slater, 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., B.M., B.Ch., D.C.H.
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. Sr. Lectr.
Burgess, J. W. Lectr.
Marr, A., B.Sc. Lectr.

Veterinary Anatomy

- Grahame, T., T.D., F.R.C.V.S.
Sr. Lectr.
Morris, P. G. D., M.A. Lectr.
Speed, J. G. Lectr.
Taylor, J. A. Lectr.

Veterinary Bacteriology

- Little, A. C. W., M.C. Lectr.
Phillips, J. E., 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. Sr. Lectr.
Ferguson, G. S., B.Sc., D.V.S.M.
Lectr.
Grunsell, C. S. Lectr.
Moodie, E. W., B.Sc. Lectr.
Paver, H., B.Sc., Ph.D. Lectr.

Veterinary Jurisprudence

- Calver, R. H. S., Q.C., M.A., LL.B.
Lectr.

Veterinary Medicine

- Boddie, G. F., B.Sc. Sr. Lectr.
Gregor, N. W. Lectr.

McPherson, E. A.	Lectr.	Romanes Lecturer
<i>Veterinary Pathology</i>		.....
Beattie, I. S., B.Sc.	Lectr.	Sharpey-Schafer Memorial
Head, K. W., B.Sc.	Lectr.	Lecturer (Physiology), biennial
<i>Veterinary Physiology</i>		1951—Professor A. V. Hill, C.H.,
Elliot, F. J., M.Sc., Ph.D., F.R.I.C.		M.A., Sc.D., LL.D., F.R.S.,
Sr. Lectr.		University College, London.
Gifford Lecturer in Nat. Theol.		Extra-mural Studies
Rev. Prof. C. E. Raven, D.D.		Hossack, J., M.A., B.Com.
		Director.

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.

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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., S.T.D. Sec., Rev. Prof. N. W. Porteous, M.A., D.D. *Staff* : The Profs. and Lectrs., as above. *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. Examns., 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. Shell, Ph.D., D.Sc. Lond., F.R.I.C.; Sr. Lectr., J. Sandilands, Ph.D. Edin., F.R.I.C.; 6 other Lectrs. *Brewing and Industrial Fermentation*, Prof. I. A. Preece, M.Sc., Ph.D., D.Sc. Birm., F.R.I.C. *Eng., Electr.*, Prof. M. G. Say, Ph.D., M.Sc. Lond., D.I.C.; Sr. Lectr., E. O. Taylor, B.Sc. Lond., D.I.C.; 6 Lectrs. *Eng., Mech.*, Prof. W. G. Green, B.Sc., Ph.D. Lond.; Asst. Profs., H. H. Vaughan, B.Sc. Glas., R. S. Smillie, B.Sc. Edin.; 9 Lectrs. *Eng., Mining*, Prof. R. McAdam, B.Sc., Ph.D.; 5 Lectrs. *Maths.*, R. Smart, M.A. St. And., and 3 Lectrs. *Physics*, Prof. W. H. J. Childs, D.Sc. Lond., F.I.P.; Sr. Lectr., J. Milne, B.Sc. Lond.; 2 Lectrs. *Building*, N. C. Sidwell, B.Sc. Lond., and 2 Lectrs. *Pharmacy*, H. H. Campbell, B.Sc. Edin., F.R.I.C., and 4 Lectrs. *Printing*, F. P. Restall and 4 Lectrs. In addition, 88 visiting lecturers and instructors.

ASSOCIATED COLLEGE, in which Univ. courses are provided.

THE EDINBURGH SCHOOL OF AGRICULTURE: EDINBURGH UNIVERSITY AND THE EDINBURGH AND EAST OF SCOTLAND COLLEGE OF AGRICULTURE, 13 George Square, Edinburgh, 8 (*Telegrams*: Rural, Edinburgh; *Telephone*: Edinburgh 42017). *Principal*: Prof. S. J. Watson, D.Sc., F.R.I.C.; Deputy Principal and Director of Studies: J. E. Gordon, B.Sc. (Agric.), B.Sc. (For.),

Ph.D. *Agric. and Rural Econ.*, Prof., S. J. Watson, D.Sc., F.R.I.C.; Sr. Lectr., J. E. Gordon, B.Sc. (Agric.), B.Sc. (For.), Ph.D.; Lectrs., M. A. Knox, B.Sc., Agric. Dip. Oxon., K. V. Runcie, B.Sc., J. M. M. Cunningham, B.Sc., J. C. Holmes, B.Sc., S. F. Hayes, B.Sc. (Hortic. Crops). *Agric. Econ. and Farm Accounting*, Hd. of Dept., D. Witney, B.Com.; Lectrs., J. D. Nutt, B.A., D. M. R. Leask, B.Sc.; Asst. Lectr., W. B. Duthie, B.Sc. *Agric. Engin., Surveying and Bldg. Construction*, Lectr., L. M. Walker, B.Sc.; Asst. Lectrs., A. Hardie, B.Sc., R. F. Norman, M.Sc. *Bacteriol.*, Hd. of Dept., T. Gibson, D.Sc.; Asst. Lectr., R. M. Keddie, B.Sc. *Bee-keeping*, Lectr., J. Cunningham. *Botany*, Hd. of Dept., E. W. Fenton, M.A., D.Sc.; Lectr., E. W. Debney, B.Sc.; Ph.D.; Asst. Lectr., P. C. Harper, B.Sc. *Chem.*, Hd. of Dept., A. M. Smith, Ph.D., D.Sc., F.R.I.C.; Lectrs.,, J. M'Gillivray, A. Comrie, B.Sc., Ph.D., H. Tod, B.Sc., Ph.D. *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*, Lectr., P. F. Kendall, B.Sc. 9 Specialist Advisory Officer Depts. (Bot. and Mycol., Bacteriol., Entomol., Economics, Chem., Vet. Science, Farm Buildings, Statistics, Bee-keeping); 1 Soil Analyst, 1 Spectrographic Analyst; 4 Research Assts. Extension Staff: Regional Directors, G. A. Catto, B.Sc., A. K. M. Meiklejohn, B.Sc.; and 46 Assts.

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" (commenced in 1920) for Chemistry and other Science Depts. The Medical School of this Univ. has been famous for over two centuries; specially ample provision exists also for instruction and research in Theology (postgrad. school instituted 1919), Agric., For., Engin., Mining, and Vet. Sc. Edinburgh is the seat of the Scottish Supreme Courts of Law. Royal (Dick) Veterinary College, Summerhall, Edinburgh, 9 (*Telephone*: 41087/8; *Telegrams*: Veter, Edinburgh). Founded 1823; became sch. of vet. studies within the Univ. of Edinburgh, 1951.

LIBRARY, founded in 1580, about 550,000 vols., 4000 MSS., and 3000 Charters. The MSS. include the Laing MSS. (Scottish and miscellaneous), Laing Charters, 854-1837 (chiefly Scottish), Arabic and Persian MSS. The chief special book collections are the Drummond of Hawthornden (16th-cent. literature), Halliwell-Phillipps (Shakespeare), Lord Abercromby (Archæology, Ethnology), Blackie (Modern Greek), Bruce (Oceanography), Cameron, MacKinnon and Carmichael-Watson (Celtic), Hodgson (Economics), Berriedale Keith (Indian history and literature, and the Constitution of the British Empire). There is a good medical collection and a valuable Reid Music Library. There are published catalogues of *Printed Books* (3 vols., 1918-23), *Laing Charters* (1899), *Western Mediaeval MSS.* (1916), *Arabic and Persian MSS.* (1925) and *Music* (1941). **MUSEUMS**: Nat. Philos., Fine Art, Geol., Nat. Hist., Chem., Forestry, Agric., Entom. and Forest Zool. (Waterhouse collection of Coleoptera), Anat. (founded with the Monro collection in 1800; numerous specimens of Cetacea and human crania), Physiol., Mat. Med. (notable collections of medicinal and food substances, including those of Duncan and

Christison), Forensic Med., Practice of Physic. Surg., Obst. (Simpson collection), Music and Musical Instruments. The Prof. of Botany is Regius Keeper of the *Royal Botanic Garden*; the Prof. of Astronomy is Astronomer Royal for Scotland and gives practical courses at the *Royal Observatory*. The LABORATORIES are especially well equipped for research in Anatomy, Anthropology, Bacteriology, Chemistry (the Labs. at King's Buildings, completed 1924, have accommodation for about 400 students), Zool., Mining, Engin. (notably Hydrs., Strength of Materials, Elec. Engin.), Mat. Med., Path., Physics, Physiol., Psych., Pub. Health. The Jane Findlay Thomson Commercial Laboratory facilitates the training of B.Com. students in practical business methods. The Univ. has a table at the Millport Marine Station. HOSPITALS: the Royal Infirmary adjoining the Univ. provides over 1000 beds for clinical teaching, in addition to the Children's, Maternity and Fever Hospls., the Royal Mental Hospl., the Royal Victoria Hospl. for Tuberculosis, and the Municipal Hospls.

FACULTIES. (1) Arts, (2) Science (including Engineering, Mining, Technical Chemistry, Agriculture, Forestry and Veterinary Science, as well as Pure Science), (3) Divinity, (4) Law, (5) Medicine (including Dentistry), (6) Music. Deans: (1) Prof. J. Orr (French), (2) Prof. R. N. Arnold (Engin.), (3) Very Rev. Prof. J. Baillie, (4) Prof. M. G. Fisher (Civil Law), (5) Prof. Sir Sydney Smith (Forensic Med.), (6) Prof. S. T. M. Newman (Music).

There are 9 Directors of Studies in the Faculty of Arts, 8 in the Faculty of Science, and 1 for those combining studies in the Faculties of Science and Medicine.

ADMISSION. *See* Appendix I.

DEGREES.

A candidate for the B.Sc. in *Vet. Sc.* must (i) have passed the Prelim. examn. for degrees in Sci., (ii) have been engaged in Vet. study for 5 yrs., (iii) have a registrable qualification, (iv) have attended certain specified courses, including 1 yr. of study in this Univ.

Candidates for the *Mus.Bac.* must have passed the Prelim. Examn. or its equivalent, together with a qualifying examn., and attended a course in this Univ. during 3 winter sessions. A *Mus.Bac.* of 3 yrs.' standing, and not less than 25 years of age, may offer himself for the *Mus.Doc.* (which may also be conferred *honoris causa*) as Composer, as Executant, or as Theorist or Historian.

DIPLOMAS AND CERTIFICATES. Actuarial Mathematics, 2 yrs.—open to persons previously admitted as students of the Faculty of Actuaries.

Agricultural Science, 1 yr.—open to Hons. grads. in Sci. or Econ., or Ordinary grads. in Agric. of this or any other approved Univ.

Education—open to persons who have attended a course of Professional training or have had at least 3 yrs.' experience as a teacher, and have completed a graduation course in Arts or Sci. The diploma is granted on completion of Univ. courses (1 yr.) and passing examns. in Psych., Theory and Hist. of Edn., and modern Educnl. Systems and Problems.

Administrative Law and Practice—open to grads. of a British Univ. or other recognized Univ. and to those who have reached a similar standard.

English Studies—open to grads. of the Univ. and to those who have reached a similar standard.

Linguistics—open to grads. of the Univ. and to those who have reached a similar standard.

Phonetics—open to grads. of the Univ. and to those who have reached a similar standard.

Islamic Studies—open to grads. of the Univ. and to those who have reached a similar standard.

Public Health, Industrial Medicine (each 1 acad. yr.), Radio-diagnosis (18 mos.), Radiotherapy (2 yrs.), Trop. Med. and Hygiene (6 mos.)—open to grads. in Med. of the Univ. and others holding corresponding degrees or registrable qualifications.

Psychiatry—the course is in abeyance at present. New regulations are under consideration.

Technical Chemistry (1 yr.)—open to grads. of British or other approved Univs. who have taken a Science degree with Hons. in Chemistry.

Social Study (1 yr.)—open to grads. of British or other approved Univs. with certain restrictions as to subjects taken for degree. A Certificate (2 yrs.) is granted to those whose education is equivalent to Univ. Entrance standard.

A Health Visitor's Certificate is also granted (6 mos.) to registered nurses, who must hold the Central Midwives' Board certif. or sign an undertaking that they are willing to obtain this.

Certificate in Physical Training—open to matriculated students studying for a degree or diploma or engaged in postgraduate research who follow a prescribed course of training.

A Sister Tutor's Certificate is granted. Enquiries should be addressed to the Secretary, Royal College of Nursing, Scottish Board, 40 Melville Street, Edinburgh.

POSTGRADUATE TEACHING for Medical graduates is organized by the Edinburgh Postgraduate Board for Medicine. Particulars of courses, etc., may be obtained from the Director of Postgraduate Studies in Medicine, Surgeons' Hall, Nicholson St., Edinburgh, 8. The Postgraduate School of Theology issues a detailed list of courses. Graduates contemplating research should apply to the Deans.

POSTGRADUATE AWARDS (Fellowships, Scholarships, etc.) open to graduates of other Univs. : *see* Appendix II.

Travelling for study or research is encouraged by Dickson Fund (£90 p.a.), Dundas Latin Studies Fund (£40 p.a.), Drummond Mathematical Scholarship (£140 p.a. for 2 yrs.), Maclaren Mathematical Scholarship (£200 for 2 yrs.), Scott Scholarship for Graduates in Arts (£77), M'Cosh Bursaries for Graduates in Medicine (£312), Lorimer Scholarship in Law (£170 for 1 yr.).

FEES. Matriculation, 2½ gs. p.a. Inclusive tuition fees for M.A., Ord., 57 gs., Hons., 76 gs.; LL.B., 54 gs.; B.L., 42 gs.; B.Sc. Engin., 114 gs.; Agr., Ord., 114 gs., Hons., 152 gs.; Mining, 129 gs.; Forestry, 129 gs.; Technical Chemistry, 127 gs.; Pure Sc., Ord., 114 gs., Hons., 152 gs.; B.D., 51 gs.; M.B., Ch.B., approx. 225 gs. Combined M.A. and B.Sc. in Pure Sci., 150 gs.; M.A. and B.Sc. in Agr. or Engin. or For., 145 gs.; M.A. and B.Com. or LL.B., 90 gs.; M.A. and B.L., 80 gs.; B.Sc. in Agr. and in For., 170 gs. Examination: M.A., 11½ gs.; B.D. 11½ gs.; LL.B., 13 gs.; B.L., 11½ gs.; Mus.Bac., 19 gs.; Mus.Doc., 15 gs.; Ph.D., 15 gs.; B.Sc., 13 gs.; D.Sc., 15 gs.; M.B., 37 gs.; M.D., 20 gs.; Ch.M., 20 gs.

HALLS OF RESIDENCE, ETC. (For Wardens, *see* "Administrative and other Staff," *supra*.) For men: Cowan House, George Square, accommodation for about 100 students, terms, £29 to £34 per term; Norway House, 37 Inverleith Place, accommodation for 26 students, terms, £3: 9s. to £3: 15s. per week; Salisbury Green, Dalkeith Road, accommodation for 43 students, terms, £2: 5s. per week; University residence for Midwifery Students, Chalmers

Street, terms, £2 : 15s. to £3 per week. For women : five hostels at Craigmillar Park, East Suffolk Road, £75 for the three terms ; Masson Hall, 31 and 32 George Square and Annexes ; Muir Hall, 12 George Square, £90 for the three terms ; St. Leonard's House, Park Road, accommodation for about 43 students, terms, £2 : 5s. per week. The University Settlement has study-bedrooms for 10 students (5 men and 5 women) at Cameron House, Prestonfield, terms, £2 : 5s. per week. Six months' notice generally necessary.

There is a Franco-Scottish Society for advising and assisting French students in Scotland and Scottish students in France. It has local centres at Glas., Aberd., and Dundee.

EDINBURGH UNIV. CLUB OF LONDON. Secretary : Dr. Bruce Williamson, 40 Queen Anne Street, W.1.

UNIV. EXTENSION, ETC. There is an Adult Education Committee which arranges courses of lectures in the south-east of Scotland. The Univ. is now represented on the Advisory Committees for the management of the Tutorial Classes for adults instituted by the Edin. Educational Authority, in co-operation with the Edinburgh W.E.A. Summer Classes (4 weeks) for Teachers are held during vacation, the lecturers being drawn mainly from the Univ. staff. Certificates gained at the courses qualify for endorsement on teachers' certificates.

EXTRA-MURAL WORK. Classes conducted by the Edinburgh Workers' Educational Association, which meet in the University Buildings, had an enrolment of 531 men and 882 women—total 1413. A University Extra-mural Committee organizes Courses of Lectures in the south-east area of Scotland. Classes were held in 26 centres, attended by 1187 students.

UNIVERSITY PRESS. The University Press was instituted by the Univ. Court in 1945 and is administered by a combined Committee of Court and Senatus which control the general policy and select MSS. for publication. Its main object, rendered possible by bequests applied for the purpose, is the publication, in the best traditions of Scottish typography and book-production, of works of academic merit which cannot be produced on a commercial basis owing to their restricted appeal and may incur a loss ; but the Committee are prepared to publish works of wider appeal, though still of literary merit, which will help to offset any such loss. Books published are advertised and sold by Messrs. Oliver and Boyd, Ltd., the sole agent for the Press.

UNIVERSITY TRAINING CORPS. The University Training Corps is organized in six Sub-units of the following arms : Artillery ; Engineers ; Electrical Engineers ; Signallers ; Intelligence ; and Infantry. The primary object of the training is to develop leadership qualities in undergraduates whose military service has been deferred. Students are trained for direct commissions into the Regular Army as well as for commissioned rank in the Territorial Army and Reserve. The Contingent is fully equipped with arms and transport. There is also a thriving unit of the Women's Royal Army Corps with a similar objective of qualifying graduates to obtain commissions.

UNIVERSITY HEALTH SERVICE. The University provides facilities for routine medical examinations for each first-year student, and radiological examinations of chest for all students annually. It also provides a consultative and domiciliary medical service with special hospital facilities for the treatment of sick students. This dept. works in the closest liaison with the Student Accommodation and Welfare Office and the Physical Education Department.

UNIVERSITY ATHLETIC FACILITIES. Facilities exist for the playing of most games. Some games, however, are not played by students either because there are no facilities within the University or the games themselves do not make sufficient appeal—among these are real tennis, rackets, baseball, and ice hockey. All sections of the Athletic Club, of which Shinty is the oldest, are run by student committees. The Men's Athletic Club is distinct from the Women's Athletic Club. In addition, there is an up-to-date Dept. of Physical Education.

OFFICIAL PUBLICATIONS. The *Calendar* (Sept.), 5s.; the *Prelim. and Degree Examn. Pprs.* (May and July), 5d. to 2s. a set (James Thin, 55 South Bridge). The *Students' Handbook* issued by the Students' Representative Council. *Facilities for advanced Study and Research* free, on application.

HISTORIES OF THE UNIV. (all O.P.): Bower, Alexr., chiefly compiled from original papers and records never before published, 3 vols., Edin., 1817-30; Dalzel, Andrew (ed. by D. Laing), with a Memoir of the Author (by C. Innes), 2 vols., Edin., 1862; Grant, Sir Alexr., the Story of the Univ. during its first 300 years, 2 vols., London, 1884; by various contributors, edited by Turner, A. Logan, 1883-1933, Edin., 1933.

THE YEAR 1949-50

BENEFACTIONS. A bequest by Dr. David Penman of £1000 to be called the Jessie Gordon Penman Bequest and to be used for research into the causes—or the prevention and cure—of cancer; a grant from Industrial Distributors (1926) Ltd., Johannesburg, to the extent of £500 p.a. for 3 yrs., to be made to the Res. Fund of the Physical Lab. under the direction of Prof. Born for assistance in investigating certain problems affecting their industry; a gift to the Reid Music Library from Mrs. S. S. Laurie, executor and trustee of the late Mrs. Niecks, of a large collection of books, musical scores, pamphlets and MS. articles from the library of the late Prof. Niecks; a gift from I.C.I. Ltd. of a spectrometer and a centrifuge to the Dept. of Chem. and a quantity of res. apparatus to the Dept. of Organic Chem.; a gift from Miss A. Amy Turner, daughter of the late Principal Sir William Turner, of eleven prints of old Edinburgh; a grant by Messrs. Mersons (Sutures) Ltd. of approx. £750 p.a. for 3 yrs. for the establishment of a Fellowship, for the experimental study of ligatures and sutures, to be known as the Ethicon Res. Fellowship; a gift from Mr. Martin Flett, London, of a MS. autobiography of his father, the late Sir John Smith Flett, F.R.S., sometime Director of the Geological Survey, covering the period of his student days at Edinburgh Univ., 1886-94; a donation from Mrs. Hutchison, Doune, of a MS. commonplace book of James Ferguson, F.R.S., entitled *Tables and Tracts relative to various Arts and Sciences*, 1771; a gift from the Royal Victoria Hospital Tuberculosis Trust of the farm of Gracemount, Edinburgh, and of the tenancy of the farm of Langhills, Midlothian.

HONORARY DEGREES. *D.D.*—Rev. R. E. McIntyre, Minister of Morningside High Church, Edinburgh; Rev. W. G. D. MacLennan, Minister of Bearsden North Church, Glasgow; Rev. J. T. McNeill, Professor of Church History, Union Theological Seminary, New York, U.S.A.; Right Rev. K. C. H. Warner, Bishop of the Scottish Episcopal Church in Edinburgh. *LL.D.*—E. N. da C. Andrade, Director of the Royal Institution; R. Birley, Head Master of Eton College; Sir Marshall Millar Craig, lately Legal Secretary to the Lord Advocate and Parliamentary Draftsman for Scotland; H. J. Fleure, Prof. Emeritus of Geog., Univ. of Manchester; R. W. Johnstone, Prof. Emeritus of

Midwifery and Diseases of Women, Univ. of Edinburgh ; General Sir William D. Morgan, lately Military Member of the British Joint Services Mission, Washington, Supreme Allied Commander Mediterranean Theatre, 1945-47 ; Right Hon. Sir Andrew Murray, Lord Provost of the City of Edinburgh ; Sir Edward Salisbury, Vice-President, Royal Society, Director of the Royal Botanic Gardens, Kew ; J. Dover Wilson, Hon. Fellow of Gonville and Caius College, Cambridge, formerly Regius Prof. of Rhetoric and English Lit., Univ. of Edinburgh. *M.A.*—Rev. T. C. Young, Missionary and Anthropologist.

1950-51. *D.D.*—Rev. D. F. Clark, Minister of St. Mary's Church, Banff ; Rt. Rev. W. D. L. Greer, Bishop of Manchester ; Rev. H. Maclean, Principal, Theol. Hall, Ormond Coll., Melb., Prof. of O. T. Studies ; Rev. J. W. D. Smith, Principal Lectr. in Religious Educn., Jordanhill Trg. Coll., Glas. *LL.D.*—H.R.H. The Duke of Edinburgh ; Ruth Draper, actress ; P. S. Gerbrandy, Prime Minister of Netherlands, 1940-45 ; H. A. R. Gibb, Laudian Prof. of Arabic, Oxon. ; Sir Hector Hetherington, Principal and Vice-Chancellor, Glas. U. ; J. S. Spencer, President, Law Society of Scotland ; Alastair Sim, actor-producer, Rector of the Univ. ; B. P. Watson, Prof. Emer. of Obstet. and Gynæcol., Col. U., former Prof. of Midwifery and Gynæcol., Edin. U. ; Air Commodore Sir Frank Whittle ; Rev. A. J. Young, Canon of Chichester, poet. *Mus. Doc.*—Prof. Bruno Walter, orchestral conductor. *M.A.*—A. E. H. Miller, Keeper of National Galleries of Scotland.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	975	4042
Women	208	1560
Total	1183	5602

Included in the above are 242 postgraduate students and 1142 first-year admissions.

DEGREES. B.D., 12 (m.), 1 (w.) ; M.A. (Ord.), 149 (m.), 135 (w.) ; M.A. (Hons.), 146 (m.), 76 (w.) ; B.Com., 41 (m.), 9 (w.) ; B.Ed., 7 (m.), 2 (w.) ; B.L., 31 (m.), 3 (w.) ; LL.B., 32 (m.), 8 (w.) ; B.Sc., Pure (Ord.), 42 (m.), 17 (w.) ; (Hons.), 50 (m.), 10 (w.) ; B.Sc. Engin. (Ord.), 36 (m.), Hons., 20 (m.) ; B.Sc. Agric. (Ord.), 27 (m.) ; (Hons.), 1 (m.) ; B.Sc. Forestry (Ord.), 35 (m.) ; B.Sc. Vet. Sc., 25 (m.), 2 (w.) ; B.Sc. Mining (Hons.), 1 (m.) ; B.Sc. Tech. Chem. (Hons.), 5 (m.) ; D.Sc. Pure, 3 (m.), 1 (w.) ; M.B., Ch.B., 159 (m.), 55 (w.) ; M.D., 24 (m.), 7 (w.) ; Mus.Bac., 3 (m.), 7 (w.) ; Ph.D. Arts, 12 (m.) ; Ph.D. Science, 31 (m.), 5 (w.) ; Ph.D. Medicine, 2 (m.) ; Ph.D. Divinity, 12 (m.).

DIPLOMAS. D.P.H., 9 (m.), 3 (w.) ; D.T.M. & H., 6 (m.) ; D.M.R., 12 (m.) ; Sister Tutor Cert., 23 (w.) ; Dip. Educn., 36 (m.), 32 (w.) ; Dip. Social Study, 5 (m.), 12 (w.) ; Dip. Rur. Sc., 2 (m.) ; Dip. in Admin. Law and Practice, 5 (m.), 1 (w.) ; Dip. in English Studies, 4 (m.), 1 (w.) ; Dip. in Anim. Genetics, 6 (m.) ; Cert. Physical Prof., 24 (m.), 12 (w.) ; Cert. Social Study, 5 (m.), 35 (w.) ; Cert. Psychiatric Social Work, 11 (w.) ; Cert. Pub. Admin., 8 (m.), 1 (w.).

UNIVERSITY OF GLASGOW *

Founded 1451

Telephone : Glasgow, Kelvin 2231.

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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—JOHN M. MACCORMICK, M.A., LL.D.

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—Prof. C. J. FORDYCE, M.A. Glas. and Oxon.

LIBRARIAN AND KEEPER OF HUNTERIAN BOOKS AND MSS.—R. O.
MACKENNA, M.A.

CLERK OF THE GENERAL COUNCIL—T. R. MACNAUGHTON, 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.

Anatomy

Wyburn, G. M., M.B., D.Sc.

Reg. Prof.

Senior Lecturers

Bacsich, P., M.D. Szeged., D.Sc.
(Embryol.)

Scothorne, R. J., B.Sc., M.B.
Leeds

Lecturers

Connell, W. K., M.B.

Young, A., M.A. Camb., M.B.

Mitchell, R., M.A., M.B.

Warbrick, J. G., M.B. Liv.

Hutchison, J., M.B.

Assistants

Ainley, Rhoda M., M.B.

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.

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.

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.

Biblical Studies

Craig, Rev. A. C., M.C., M.A.,
D.D. Edin. Lectr.

Assistant

Gourlay, 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.

Assistants

.....
Frazer, S. C., B.Sc., M.B.
McIndoe, W. M., B.Sc.

.....

.....
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.

.....

Gentles, J. C., B.Sc.
Ribbons, B. W., B.Sc. Lond.

*Celtic**Lecturers*

Matheson, A., M.A. Edin.
Thomson, D. S., B.A. Camb., M.A.
Aberd.

Chemistry, v. also Biochem.

Cook, J. W., D.Sc., Ph.D. Lond.,
Sc.D. Dub., F.R.I.C., F.R.S.
Reg. Prof.

Robertson, J. M., M.A., Ph.D.,
D.Sc., F.R.S. Gardiner Prof.

Senior Lecturers

Bell, J., Ph.D., D.Sc., F.R.I.C.
Asst. Dir. of Chem. Labs.
Tucker, S. H., M.A. Oxon., D.Sc.,
Ph.D. Lond., F.R.I.C. (Org.
Chem.).
Gibson, D. T., M.Sc. Belf., Ph.D.
Lond., D.Sc. (Med. Students).
Mitchell, S. T. R. S., D.Sc., Ph.D.
(Phys. Chem.).
Speakman, J. C., M.Sc., Ph.D.
Sheff.

Loudon, J. D., Ph.D., D.Sc.
Moon, F. E., M.Sc., Ph.D. (Agric.
Chem.)

Lecturers

Mair, J. A., B.Sc., Ph.D.
(Anal. Chem.).
Chisholm, D., B.Sc., Ph.D.
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.

Assistants

Dunsmore, Helen S., B.Sc.
 Hunter, L., B.Sc.
 Horning, W. C., B.A. Tor.
 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.

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., K.S.G., 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.

Assistants

Squire, S. G., M.A. Camb.
 McWalter, Winifred W., M.A.

Constitutional History

Chrimes, S. B., M.A. Lond., Ph.D.
 Camb. Reader

Assistant

Brown, A. L., M.A.

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.
 Barclay, Rev. W., M.A., B.D.

Lectr.

Foster, Rev. J., M.A. Birm., D.D.
 Aberd. (Church Hist.) Prof.
 Henderson, Rev. I., M.A., B.D.
 Edin.

(Systematic Theol.) Prof.

Mechie, Rev. S., M.A. (Church
 Hist.) Lectr.

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Education

Nisbet, S. D., M.A., B.Ed. Edin.
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 Durh. Lectr.
 Clark, Margaret M., M.A., Ed.B.
 Res. Asst.

Embryology, v. Anat.

Engineering, v. *infra*

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 Davis, N., M.B.E., M.A. Oxon. and
 N.Z. (Eng. Lang.) Prof.
 Purser, J. W. R., B.A. Dub.
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 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.

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.
 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.
 Saunders, H. R., M.A.
 Barbier, C. P., B.A. Leeds.

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 Whitaker, S. F., B.A. Oxon.
 Paterson, Elizabeth A., M.A.
 Mossop, D. J., M.A. Cape T.,
 D.U.P.
 Decreus, Juliette C., M.A. Leeds,
 D.U.P.
 Goblot, J.-J.

Genetics

Pontecorvo, G., Dr.Agr. Pisa,
 Ph.D. Edin. Reader.

Lecturers

Roper, J. A., B.Sc., Ph.D. Sheff.
 Gloor, H.

Assistant

Cleat, N. D., B.Sc. Edin.

Geography

Stevens, A., M.A., B.Sc. Prof.

Lecturers

Fairhurst, H., M.A. Liv., Ph.D.
 Halstead, C. A., B.Sc. Lond.
 Hinchliffe, O., B.A. Leeds.
 Moisley, H. A., M.Sc. Leeds.

Assistants

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 Fullerton, B., B.A. Lond.
 Choyce, A. G., M.A.
 Moisley, Mrs. Winifred M., M.Sc.
 Lond.
 Everard, C. E., B.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.

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.
Schatzky, Brigitte E., M.A. Lond.

.....

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.

Wiard, Rev. H. D., B.A. Manc.

Asst.

History, v. also Div., Law, Pol.
Econ.

Browning, A., M.A. Glas. and
Oxon., D.Litt. Prof.

Mackie, J. D., C.B.E., M.C., M.A.
Oxon., LL.D. St. And. (Scot-
tish H.) Prof.

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. Vir-
ginia (American H.)

Lecturers

Corlett, J. F. R., B.A. Liv.

James, R. I., M.A. Oxon.

Chandaman, C. D., B.A. Lond.

Cheyne, A. C., M.A. Edin.

Tumelty, J. J., B.A. Durh.

.....

Assistants

Barker, E. E., B.A. Lond.

Ramsey, P. H., B.A. Oxon.

.....

Parsons, F. V., B.A.

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

Cocozza, E., M.A.

Mitchell, Mrs. Miranda.

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.

Assistants

Nicholson, Anne E., M.A.

Bell, Ivy B., M.A.

Robertson, A. D., M.A.

Dixon, Mrs. Elizabeth, B.Sc.

Garven, Mary S., B.Sc.

Robertson, Mrs. Wendy J. R.,
B.A. Camb.

Medicine and Surgery, v. infra

Metallurgy, etc., v. infra, Royal
Tech. Coll., p. 593

Mining

Hibberd, G., Ph.D. Dixon Prof.

Music

..... Gardiner Prof.

Rimmer, F. W., Mus.Bac. Durh.,
B.A. Camb. Cramb Lectr.

Bullock, Mary, B.Mus. Asst.

*Naval Archit., including Marine
Engin., v. also infra*, Royal
Tech. Coll., p. 593

Robb, A. M., D.Sc.

John Elder Prof.
Livingstone, M. Lectr.

Norse Studies

Halvorsen, E. F., Cand. Phil.
Oslo Lectr.

Philology, Comp. (Classical)

Campbell, I. M., M.A. Glas. and
Oxon. Lectr.

Philology, Romance

Ullmann, S. de, Ph.D. Budapest,
D.Litt. Lectr.

Hope, T. E., D.S.C., M.A. Oxon.
Asst.

*Philosophy, Moral, v. also Logic
and Psychol.*

MacLagan, W. G., M.A. Oxon.,
Ph.D. Edin. Prof.

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.

Atkinson, J. R., M.A. Camb.

Lecturers

Cochrane, C., M.A., B.Sc.

Younger, A. J., 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.

Touschek, B. F. X., Dipl. Phys.
Gött., Ph.D.

Grant, P. J., M.A., Ph.D. Camb.

Muirhead, W. R. H. F., B.Sc.
Brist.

Wyllie, G. A. P., Ph.D. Brist.,
B.Sc.

Burton, W. K., M.Sc.Tech. Manc.,
Ph.D. Brist.

Bellamy, E. H., M.A. Camb.
 Cockroft, A. L., M.A. Camb.
 Rutherglen, J. G., B.Sc. Lond.,
 Ph.D.

.....

Assistants

Insch, G. M., B.Sc. St. And.
 Dixon, D., B.Sc.
 Rosser, W. G. V., M.Sc., Ph.D.
 Manc.
 Valentine, J. M., B.Sc. St. And.

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. and
 Dean of Fac.

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.
 Campbell, F. W., M.B.
 Morrison, S. D., B.Sc. St. And.
 Ferguson, I. D., M.B.

Honorary Lecturer

Stewart, Group Capt. W. K.,
 A.F.C., B.Sc., M.B. (Aviation
 P.).

Assistants

Gairns, F. W.
 Durnin, J. V. G. A., M.A., M.B.
 Aberd.

.....

O'Hea, T. P., M.B.

.....

Levinson, N., M.B. St. And.

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. Anthropol.).
 Hughes, C. J., M.A., B.Phil. Oxon.

Assistant

Craig, J. T., M.A.

Psychology

Pickford, R. W., M.A., Ph.D.
 Camb., D.Litt. Sr. Lectr.

Lecturers

Gardner, P. A. D., M.A., B.Sc.,
 Ed.B., LL.B.
 Barbu, Z., Ph.D. Cluj.

Assistants

Weir, A. J., M.A.
 McIntyre, Sarah S., M.A., B.Ed.,
 Ph.D.

Psychology, Industrial

Oakley, C. A., B.Sc., Ed.B. Lectr.

Russian

Holttum, V. E. J., B.A. Lond.
 Sr. Lectr.
 Borrás, 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.
Highest, J., D.Phil. Oxon., M.A.

Assistant

Murray, W. M. L., M.A., B.Sc.

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.

Downes, J. A., B.Sc. Lond.

(Entomol.).

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.

Assistants

Cook, Paula M., B.Sc. Lond.

Clark, R. B., B.Sc. Lond.

Owen, G., B.Sc. Wales.

Stell, G., B.Sc. Durh.

Clarke, A. S., B.Sc. Leeds.

Cowey, J. B., B.A. Camb.

Allen, J. A., B.Sc. Lond.

Gervers, F. W. K., B.Sc.

Dentistry

Aitchison, J., B.Sc., L.D.S., H.D.D., D.D.O.

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.

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

Howie, T. G., 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.

Cruikshank, A. J. O., B.Sc. St.
And.

Sutherland, W. D., B.Sc. Edin.

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.

Lecturers

Morrison, J. C., B.Sc., Ph.D.

Paling, V. R., B.Sc.

Cameron, E. R., B.Sc.

Chalmers, T. M., 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.

Assistants

Mackie, W. W., B.Sc.

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.
Oxon., LL.B. Asst.

Administrative Law

Miller, J. B., M.A., LL.B. Lectr.

Civil Law

Muirhead, J. S., D.S.O., M.C.,
T.D., D.L., B.A. Oxon., LL.D.
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*)

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.
Hebbert, F. J., M.D.
Macarthur, J. G., M.C., M.B.
Aberd.

Assistants

Rankin, J., M.B., F.R.F.P.S.Glas.

Provan, G. C., M.B.

Brocklehurst, J. C., M.D.

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

McNee, Sir John, D.S.O., D.Sc.,
M.D., F.R.C.P., F.R.F.P.S.
Glas. Reg. Prof.

Senior Lecturer

Reid, J., M.D.

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.

Richards, R. L., M.D. Aberd.

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 Child-
hood, Dis. of

Pathological Biochemistry

Lecturers

Eaton, J. C., B.Sc., M.B.

Wilson, H. E. C., D.Sc., M.B.,
F.R.F.P.S.Glas.

Chambers, J. W., B.Sc., M.B.

Hendry, E. B., B.Sc., Ph.D., M.B.
Edin.

Pathology

Cappell, D. F., M.D., 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.

Anderson, J. R., B.Sc., M.B. St.
And.

Marshall, Alice J., M.B.

Taylor, W. A., B.Sc., M.B.

Currie, A. R., B.Sc., M.B.

Shaw Dunn, R. I., B.Sc., M.B.

Milne, J. A., M.B.

Gibson, J. B., M.B.

Curran, R. C., M.B.

Sandison, A. T., B.Sc., M.B. St.
And.

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.

Tait, A. C., M.B.

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.

Burton, J. A. G., M.C., M.B.,
D.P.H. Camb., F.R.C.S.Ed.,
F.R.F.P.S.Glas.

St. Mungo Prof.

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.

Assistants

Mackey, W. A., T.D., M.B.,
F.R.F.P.S.Glas., F.R.C.S.Ed.

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.

Mackey, W. A., T.D., 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

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.

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*

Dykes, G.

Sr. Lectr.

McCance, C. M.

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.

Smith, Mary, D.V.S.M.

Veterinary Physiology

Black, J. W., M.B. St. And.

Sr. Lectr.

Chapman, Ishbel M. M., B.S.

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.

Assistants

Gordon, Edith D.

Smith, Marianne, D.V.M. Corn.

Veterinary Surgery

Weipers, W. L., B.Sc., D.V.S.M.

Prof.

Jennings, S.

Sr. Lectr.

Lawson, D. D.

Lectr.

Cramb Music Lecturer1952—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

1952–53—Prof. J. R. R. Tolkien, M.A. Oxon.

Sir William MacEwen Memorial Lecturer (biennial)

1952—M. J. Stewart, M.B., F.R.F.P.S.Glas.

David Murray Lecturer

1952–53—G. N. Clark, M.A., D.Litt. Oxon., LL.D. Aberd., F.B.A., Provost of Oriel College.

Alexander Robertson Lecturer (Defence of the Christian Religion—not oftener than once in every 2 yrs.)

.....

Stevenson Lecturer (Citizenship)

1946–53—J. A. Mack, M.A.

Extra-Mural Education

Evans, W. S., M.A., Ph.D. Sheff. Director.
Nicol, W. B. de B., M.A. Aberd. Tutor-Organizer.

Tutors

Lloyd, W. E., B.A. Wales.
Hatch, J. C., B.A. Camb.
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),; 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. 593.

THE WEST OF SCOTLAND AGRICULTURAL COLLEGE, 6 Blythswood Square, Glasgow, C.2 (Telephone: Douglas 2241-3). Principal, Prof. John Kirkwood, O.B.E., B.Sc. Aberd.; *Agric.*, Prof. John Kirkwood, A. B. Smart, B.Sc. (Agr.) Glas., W. D. Carr, B.Sc. Wales; *Agric. Book-keeping*, A. B. Smart, B.Sc. (Agr.) Glas.; *Agric. Econ.*, A. D. Campbell, M.A. Glas.; *Agric. Eng. and Surveying*, J. Malcolm, B.Sc. Glas.; *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. K. W. Braid, O.B.E., M.A. Camb., B.Sc. Aberd., 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.

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. A. M. Robb (Naval Archit.); *Law*, Prof. D. A. S. McLeish (Conveyancing); *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.). Applicants 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 (FELLOWSHIPS, SCHOLARSHIPS, ETC.) 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 1951 (men and women): 187.

RESIDENCE. (For Wardens see "Administrative and other Staff," p. 587.) 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. Joan Leslie, 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.: Sqn. Leader P. C. Ellis, D.F.C. 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.: T. R. L. Fraser, M.A. *Postal Address*: University Avenue, Glasgow, W.2. *Telephone*: Western 8697. Queen Margaret Union, founded 1890. Membership open to matriculated women students and women graduates. Annual subscription, £1: 15s. Pres.: Jean Reid. *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. Scouler, M.D., 48 Wimpole St., London, W.1. Glasgow Univ. Women Graduates' London Assocn.: Hon. Sec.—Miss Mary Downie, M.A., 9 Windsor Mansions, Luxborough St., London, W.1. Glasgow Univ. Club, Aberdeen, Hon. Sec., Rev. W. Neil, M.A., B.D., Ph.D., The University, Aberdeen. 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 1950-51

FIFTH CENTENARY. In Jan. 1951, the students celebrated the five-hundredth anniversary of the foundation of the Univ. with appropriate ceremonies, which included the carrying of a torch to Glasgow by relays of runners from Bedrule on the Scottish borders, the birthplace of Bishop Turnbull, founder of the Univ. In June, the main academic celebrations were held. These included a Graduation Ceremony at which honorary degrees were awarded and a Commemoration Service in Glasgow Cathedral, the first home of the Univ. congregations 500 yrs. before. The Commemoration Oration was delivered by Lord Macmillan of Aberfeldy. 800 guests were taken on a cruise of the Firth of Clyde.

SUBSTANTIAL BENEFACTIONS. Dr. P. H. Abercrombie, £100; Rockefeller Foundation, £350 to Mat. Med. Dept.; W. Hope Collins, £3000 to found Sir Godfrey Collins Scholp.; Mrs. Mary J. Marshall, residue of estate to encourage study of History of Mediæval Scotland; Nature Conservancy Grant, £400 for 2 yrs. for Ecological Res. in Zool. Dept.'s Field Station, Rossdhu; Mrs. Grace Anderson, £3000 for Med. Res.

NEW BUILDINGS, ETC. The following were completed during session: Reconstrucn. of Maths. Dept.; reconstrucn. of portion of Anat. Dept.; alterations at Vet. Sch., Buccleuch St., stages I and II; new Animal Hse. at Gardiner Inst. of Med.; new Aeronautics Dept. formed in existing accom.; new steam-heating mains and ducts at Gilmorehill, stages I and II; new electrical supply mains, etc., and change over from direct to alternating current at Gilmorehill, stage I.

NEW DEPARTMENTS. Aeronautical Engin.; Hist. of Scots Law.

PRINCIPAL CHANGES IN REGULATIONS. Foundation of Chairs of Dent. Surg., Orthodontics, Vet. Surg., Vet. Pathol.

ADULT EDUCATION WORK. Total number of classes: 137 (of which 26 are 3-yr. Tutorial Classes). Total enrolments for all classes: 2838 (1504 men and 1334 women).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. Macmurray, Edin.; Prof. H. W. Turnbull, St. Andrews; Prof. F. H. Knight, Chic.: "Toward Social Justice with Freedom"; Emer. Prof. F. E. Fritsch, Lond.: "The Rôle of Algæ in the Building of Calcareous Rocks"; Prof. H. Butterfield, Camb.: "The Reconstruction of an Historical Episode: the History of the Enquiry into the Origins of the Seven Years' War"; Prof. G. L. Bickersteth, Aberdeen: "Dante's Virgil: A Poet's Poet"; Dr. V. E. Nash-Williams, Cardiff U.C.: "The Roman Occupation of Wales"; Prof. J. Stebbins, Wis.: "The Colours of the Stars."

RESIGNATIONS. Prof. C. H. Browning (Bacteriol.); Prof. H. Smith (German); Dr. W. R. Cunningham (Univ. Librarian); W. Bannatyne

(Engin.); Dr. J. B. Birks (Nat. Philos.); F. P. R. Clement (French); N. R. Cohn (French); Elspeth J. Eadie (Anim. Phys.); A. A. Forsyth (Vet. Surg.); C. Freeman (Extra-Mural); I. Garvie (Engin. Producn.); Dr. R. P. Korf (Bot.); Dr. Mary F. Lockett (Mat. Med.); Dr. R. R. Rusk (Educn.); Dr. Agnes L. Scott (Pathol.); A. C. Turner (Hist.); Dr. S. Warren (Amer. Hist.); A. M. Watrach (Anim. Pathol.); Dr. R. E. Woodham (Music); Dr. N. C. Wright (Vet. Phys.).

DEATHS. Prof. G. Cook (Civil Engin.); J. Talman (Gen. Council Assess.); Dr. A. Maclean (Clin. T.B.); Dr. D. S. Stevenson (Clin. Med.); Dr. Helen Weiss (Gk.); B. L. Woodcock (Hist.).

HONORARY DEGREES. *D.D.*—Rt. Rev. G. E. H. Aulén, Bishop of Strängnäs and formerly Prof. of Syst. Theol., Lund. U.; P. I. Bratsiotis, Prof. of the Septuagint, Athens U.; C. T. Craig, Prof. of N. Testament Exegesis, Drew U.; C. H. Dodd, formerly Norris-Hulse Prof. of Div., Camb. U.; Very Rev. G. S. Duncan, Principal of St. Mary's Coll., St. And. U.; W. Eichrodt, Prof. of O. Testament Exegesis, Basle U.; O. H. Eissfeldt, Prof. of O. Testament Exegesis, Halle U.; M. Goguel, Dean of Free Fac. of Protestant Theol. of Paris; A. E. Kerr, Pres., Dalhousie U.; J. Pedersen, Prof. of Semitic Philol., Copenhagen U.; P. J. Tillich, Prof. of Philosophical Theol., Union Theol. Seminary, N.Y.; Right Rev. A. T. P. Williams, Lord Bishop of Durham. *LL.D.*—E. D. Adrian, Prof. of Physiol., Camb. U.; A. C. Aitken, Prof. of Maths., Edin. U.; C. K. Allen, formerly Prof. of Jurisprud., Oxford U.; The Rt. Hon. C. R. Attlee, Prime Minister; Sir John Beazley, Prof. of Archæol., Oxford U.; A. Belić, Prof. of Slavonic Philol., Belgrade U.; Sir Arthur Bliss, Composer; N. H. D. Bohr, Prof. of Theoretical Phys., Copenhagen U.; Sir John Cockcroft, formerly Prof. of Nat. Philos., Camb. U., Dir. of Atomic Energy Res. Establishment; The Rt. Hon. T. M. Cooper, Lord Cooper, Lord Justice-General of Scotland; Sir John Craig, steelmaker in Glasgow; E. R. Curtius, Prof. of Romance Langs., Bonn U.; H. W. Dodds, Pres., Prin. U.; R. Dohrn, Dir., Zoological Station, Naples; P. J. Du Toit, Pres. S. African Council for Scientific and Industrial Res.; B. O. E. Ekwall, formerly Prof. of Eng. Lang., Lund U.; W. J. Entwistle, Prof. of Spanish Studies, Oxford U.; A. G. Ernout, Prof. of Latin, Collège de France; The Rt. Hon. Sir Oliver Franks, H.M. Ambassador to U.S.A.; F. L. Ganshof, Prof. of Med. Hist., Ghent U.; É. H. Gilson, formerly Prof. of Med. Philos., Paris U.; E. A. Graham, Prof. of Surg., Washington U.; J. M. Holst, Prof. of Surg., Oslo U.; B. A. Houssay, formerly Prof. of Physiol., Buenos Aires U.; H. F. Humphreys, Prof. Dent. Surg., Birm. U.; W. Kerr, formerly Dir. of Jordanhill Trg. Coll.; F. H. Knight, Prof. of Social Sciences, Chic. U.; H. R. Kruyt, formerly Prof. of Phys. Chem., Utrecht U.; A. I. E. Långfors, formerly Prof. of Romance Philol., Helsinki U.; E. O. Lawrence, Prof. of Phys., Calif. U.; C. S. Lemesurier, Prof. of Civil Law, McGill U.; N. A. M. MacKenzie, Pres., Br. Col. U.; E. M. Meijers, Prof. of Internat. Law, Leiden U.; The Rt. Hon. Sir Fergus Dunlop, Baron Morton of Henryton; Sir Arcot Mudaliar, Vice-Chancellor, Madras U.; J. O. y Gasset, formerly Prof. of Philos., Madrid U.; Sir John Parkinson, Consulting Physician to the London Hosp.; Freya M. Stark (Mrs. Perowne); Sir Frederick Powicke, formerly Prof. of Mod. Hist., Oxford U.; The Rt. Hon. Sir John Walsham, Baron Reith of Stonehaven; Dorothy S. Russell, Prof. of Pathol., Lond. U.; L. S. Ruzicka, Prof. of Org. Chem., the Swiss Fed. Inst. of Technol.; R. Sand, Prof. of Soc. Med., Brussels U.; G. G. Simpson, Prof. of Vertebrate Palæontol., Col. U.; P. Simpson, formerly Goldsmiths' Reader in English, Oxford U.; N. K. Smith, formerly Prof. of Logic and Metaphys., Edin. U.; J. G. Sölch, Prof. of Geog., Vienna

U. ; A. A. Sommerfelt, Prof. of Linguistics, Oslo U. ; Sir Richard Southwell, formerly Rector of Imperial Coll. of Sci. and Technol., Lond. U. ; S. Timoshenko, Prof. of Mechanics, Stanford U. ; O. Veblen, formerly Prof. of Maths., Inst. for Advanced Study, Princeton ; Sir Victor Warren, Lord Provost, City of Glasgow ; C. E. Weatherburn, Prof. of Maths., U. of W. Australia ; G. H. Whipple, Prof. of Pathol., Rochester U.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	609	4327
Women	96	1259
Total	705	5586

Included in the above are 94 postgraduate students and 1143 first-year admissions.

DEGREES. B.Sc. (Agric.), 25 ; M.A., 467 ; Ph.D. (Arts), 4 ; B.Mus., 1 ; B.D., 7 ; Ph.D. (Div.), 1 ; Ed.B., 30 ; B.Sc. (Chem.), 14 ; B.Sc. (Civ.), 65 ; B.Sc. (Elect.), 41 ; B.Sc. (Mech.), 41 ; B.Sc. (Min.), 9 ; B.Sc. (Naval Arch.), 12 ; Ph.D. (Eng.), 3 ; B.L., 32 ; LL.B., 36 ; M.B., 222 ; M.D., 14 ; Ch.M., - ; Ph.D. (Med.), 3 ; B.Sc. (App. Chem.), 53 ; B.Sc. (Arch.), 1 ; B.Sc. (Pharm.), 8 ; B.Sc. (Pure), 174 ; D.Sc., 6 ; Ph.D. (Science), 22.

THE ROYAL TECHNICAL COLLEGE, GLASGOW *

Founded 1796 ; affiliated to the University of Glasgow, 1913

Postal Address : George St., Glasgow, C.1.

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—W. G. BURRELL, M.A. Glas.

TEACHING STAFF

Architecture and Building

Smith, W. J., M.C., F.S.A.,
F.R.I.B.A.

Prof. and Dir. of Arch.
Studies.

Senior Lecturers

MacLean, A., B.A. Manc.
Paterson, D. S., D.A. Glas.
Lyon, T. F., D.A. Glas.

Lecturers

Murray, J. E., D.A. Glas.
Brodie, Margaret B., B.Sc., D.A.
Glas.

Ramsay, W. N. W., D.A. Glas.
Selby, F., Dipl. Ing. Arch. Berl.
Cordiner, A. D., D.A. Glas.
Falconer, J.
Morrison, R. S.

Assistant Lecturer

Morris, E. N.

Bakery, School of

Todd, J. P., Ph.D. Glas., F.R.I.C.
Supt.

Leitch, J. M., B.Sc. Glas., F.R.I.C.

Lectr.

Hawthorn, J., B.Sc. Glas. Lectr.

McKenzie, A. Lectr.

Brown, J. M. Lectr.

Walker, Edith L., M.A., B.Sc. St.

And. Asst. Lectr.

Cameron, Mary D., B.Sc. Glas.

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.

Crawford, A. B., B.Sc., Ph.D.
Glas., F.R.I.C.

M'Lean, J., B.Sc., Ph.D. Glas.,
F.R.I.C.

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

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.
Musgrave, O. C., B.Sc., Ph.D.
Lond.
Bentley, H. R., B.A., B.Sc.,
D.Phil. Oxon.
2 Asst. Lectrs. and 4 Student
Demrs.

Chemistry, Technical

- Ritchie, P. D., B.Sc., Ph.D. St.
And., F.R.I.C. Young Prof.
Rumford, F., B.Sc. Lond., Ph.D.
Glas., F.R.I.C.

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.
Brownlie, I. A., B.Sc., Ph.D.
Glas., F.R.I.C.

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.
Holden, H. S., B.Sc., Ph.D. Glas.
McWee, D.
Nelson, H. M., B.Sc. Lond.
Steele, M. C., B.Sc., Ph.D. Glas.
Tudhope, R. G., B.Sc. Glas.
McKinlay, D. G., B.Sc. Glas.
Neilson, J. H., B.Sc. Glas.
Mitchell, I. W., B.Sc. Lond.
Blair, M., B.Sc. Glas.
Benzies, J. Y., B.Sc. Lond.
Ainslie, W. G.
Allan, T., B.Sc. Lond.
Rachman, D., B.Sc. Glas.
Joss, E. J., B.Sc. Glas.
Henderson, A., B.Sc. Lond.
Lauder, W., B.Sc. Glas.
Easton, I. C., B.Sc. Glas.
Holmes, W. T., B.Sc. Glas.

Assistant Lecturers

- Paul, J. P., B.Sc. Glas.
Webster, J. T., B.Sc. Lond.
Webb, R. W., B.Sc. Lond.

Dykes, A. R., B.Sc. Glas.
Crawford, R. A., B.Sc. Glas.
2 Research Assts.

Engineering, Electrical

Bruce, F. M., M.Sc., Ph.D. Durh.
Prof.

Senior Lecturers

Shearer, G., B.Sc. Glas.
Fairley, E. S., B.Sc., Ph.D. Glas.
Husbands, A. S., B.Sc. Lond.
Lamont, H. R. L., M.A., B.Sc.,
Ph.D. Glas.

Lecturers

Martin, W. H., B.Sc. Glas.
Pender, J. T., B.Sc. Glas.
Wood, W. S., B.Sc. Edin.
Potok, M. H. N., B.Sc. Glas.
Matthews, J. E., B.Sc. Lond.
Calderwood, J. H., M.Eng. Liv.
Alston, L. L., B.Sc. Lond.

Demonstrators

Hall, A. M., B.Sc. Glas.
Langhorne, T. B.

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

Smith, R., B.Sc. Glas.
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.
Sutherland, R. M.
Loudon, J.
Wood, H. G., M.A., B.Sc. Glas.

Mathematics

Price, A. T., D.Sc., F.R.A.S.
Prof.

Lord, R. D., M.Sc. Lond.
Sr. Lectr.

Lecturers

Williams, W. D., B.Sc. Wales.
Eaton, J. C., M.A. Glas.
Martyn, W., M.Sc. Lond.

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.
Towers, Helen, B.Sc., Ph.D. Glas.
King, T. B., B.Sc., Ph.D. Glas.
4 Student Demrs., 1 Res. Asst.

Natural Philosophy

Rankin, J. S., B.Sc., Ph.D. Glas.,
F.I.P. Freeland Prof.
Macaulay, J. M., B.Sc., Ph.D. Glas.
Sr. Lectr.

Lecturers

Symon, F. J., B.Sc., Ph.D. Glas.
Milne, E. R. M., M.A. Edin.
Sharpe, J. W., M.A. Glas., 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.
Gladwin, A., B.Sc., Ph.D. Lond.

Assistant Lecturers

Peskett, Jean M., B.Sc. Glas.
Cownie, A. R., B.Sc. Wales.

Naval Architecture

Bridge, I. C., B.Sc. Glas.
Hd. of Dept.
Hughes, J. H. Lectr.
McCulloch, W. N. G. Lectr.

Navigation, School of

Corse, 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, Blodwen, M.Sc. Wales,
 Ph.D. Glas. (Biol. and Micro-
 biol.).
 Gemmell, D. H. O., B.L. Glas.
 Campbell, J. G. C., B.Sc. W.Aust.,
 Dip. Bact. Lond.

Lecturers

Hawthorn, J., B.Sc. Glas.
 Fish, F., B.Pharm. Lond.
 Stenlake, J. B., B.Sc., Ph.D. Lond.
 McIntosh, A. F., B.Sc. Glas.
 Comrie, A. M., B.Sc. Glas.
 Provan, Margaret, B.Sc. Glas.

Assistant Lecturers

Chilton, J., M.Pharm. Lond.
 Evans, E., B.Pharm. Wales.
 Edwards, D., B.Sc. Glas.
 Blain, J. A., B.Sc. Glas.
 Floodgate, G. D., B.A. Camb.
 2 Research Assts.

Textile Technology

Taylor, E. G., B.Sc. Tech. Manc.
 Supt. and Lectr.

Lecturers

Marvin, A. W.
 Elder, H. M.
 Buchan, J.
 1 Demr.

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. Entrance qualifcns. 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.

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 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 instr. and coach, a mod. gymnasium at the College. Accommod. at the Coll. includes the Union, S.R.C. Offices, Study Rooms, and the Muirhead Room for Women Students.

TUITION FEES. Degree Courses—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 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	4377	1142
Women	150	93
Total	4527	1235

Included in the above are 89 postgraduate students, 664 full-time students reading for a first degree, and 333 first-year admissions to full-time courses.

DEGREES AWARDED. Ph.D. (Glas.), 12 ; B.Sc. in Applied Science (Glas.), 147 ; B.Sc. (Lond.), 12.

COLLEGE AWARDS. Associateships in Engineering—Civil, 14 ; Mechanical, 38 ; Electrical, 4 ; Mining, 2 ; Chemistry, 24 ; Metallurgy, 11 ; Pharmacy, 2 ; Building, 2 : Total, 97. Diplomas in Engineering Science, 98 ; Chemical Science, 27 ; Metallurgy, 7 ; Building, 2 ; Textile Technology, 4 : Total, 138.

UNIVERSITY OF ST. ANDREWS†

Founded 1411

Telephone : St. Andrews 35.

CHANCELLOR AND PRESIDENT OF THE GENERAL COUNCIL—His Grace
THE DUKE OF HAMILTON, G.C.V.O., A.F.C., D.L., LL.D.

VICE-CHANCELLOR AND PRINCIPAL OF THE UNIVERSITY AND OF THE
UNITED COLLEGE—.....

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., D.L., LL.D.

SECRETARY AND REGISTRAR—DAVID J. B. RITCHIE, B.L.

QUÆSTOR AND FACTOR—JAMES DUNCAN.

LIBRARIAN—GEORGE H. BUSHNELL, F.L.A.

TEACHING STAFF

Anatomy

Walmsley, R., M.B., Ch.B., M.D.
Edin. Bute Prof.

Mulligan, J. H., M.B., Ch.B.
Aberd. Lectr.

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

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.B., Ch.B.,
M.D. Lectr.*

Pearce, G. W. Lectr.*

Whitfield, S., M.B., Ch.B. Lectr.*

Wilson, Mrs. Susan H., M.B., Ch.B.
Asst.*

Mair, W. F., M.D. Edin. Asst.

McFarland, I. W. A., M.B., Ch.B.
Tutor.

Astronomy

Freundlich, E. F., Dr.Phil. Gött.,
M.A. (Dir. of Univ. Observa-
tory) Napier Prof.

Slebarski, T., M.A. Lectr.

Middlehurst, Barbara M., M.A.
Camb. Observer.

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.

* At Dundee.

† At St. Andrews and Dundee.

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

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.

Battersby, A. R., M.Sc. Manc.,
Ph.D. 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., Ph.D.,
D.Sc. Lectr.

Copp, J. L., B.Sc., M.A. Oxon.
Lectr.*

Jack, Kathleen M., B.Sc., Ph.D.
Edin. Lectr.*

Smith, R. R., M.A., Ph.D. Camb.
Lectr.*

Parsons, R., B.Sc., Ph.D. Lond.
(Edward A. Deeds Fellow)
Lectr.*

Bayles, J. W., M.A., D.Phil. Oxon.
Asst.*

Macleod, J. W., B.Sc. Asst.*

Bayles, J., B.A. Asst.*

Classics

Rose, H. J., M.A. Oxon., F.B.A.
(Gk.) Prof.

Wright, T. E., M.A. Glas. and
Oxon. (Latin) Prof.

Lorimer, W. L., M.A. Oxon.
(Latin) Reader.*

Mitford, T. B., M.A. (Latin)
Lectr.

Young, D. C. C., M.A. (Latin)
Lectr.*

Davidson, J., M.A. (Latin) Lectr.

Kidd, I. G., 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.

Cole, A. V., M.A. Lectr.

Harris, R., B.A. Camb. (Soc.
Econ.) Lectr.

Savage, C. I., M.Com. Birm.
Lectr.

Education

Skinner, A. F., M.A., B.Sc., Ph.D.
Bell Prof.†

MacLean, R. C., M.A., Ed.B.
Aberd. Lectr.†

..... (Admin. of Schs., etc.)
Lectr.†

* At Dundee.

† At St. Andrews and Dundee.

Young, Margaret, M.A., B.Ed.
Edin. Asst.†

*Engineering, Civil and Mechanical**

..... Prof.*
Steel, G. S., M.A., B.Sc., Ph.D.
(Civ. E. and Struct. Design) Lectr.*

Hall, A. P., B.Sc., Ph.D. Lectr.*
M'Ewan, D. H., B.Sc. Lectr.*

Ballantine, J. R., B.Sc. Lectr.*
McNicoll, W., B.Sc. Lectr.*

Stewart, W., B.Sc. Lectr.*
Gibb, A., B.Sc. Lectr.*

*Engineering, Electrical**
Cullwick, E. G., O.B.E., M.A.
Camb., F.R.S.C.

Watson Watt Prof.*
Mackay, W. M., M.C., T.D., B.Sc.
Glas. Lectr.*

Sutcliffe, H., M.A. Camb. Lectr.*

English Lang. and Lit.
Webster, A. Blyth, M.A. Edin.,
LL.D. Calif. (E. Lit.)

Berry Prof.
Oakden, J. P., M.A., Ph.D. Manc.,
D.Litt. Lectr.

Logan, R. M., M.A. Edin. Lectr.
Ladd, C. A., M.A. Oxon.

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.
..... Lecteur.

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.

Hobson, Peggie M., B.Sc. Lond.,
Ph.D. Lectr.

Leeming, F. A., B.A. Camb. 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., Sc.D., F.R.S. Lectr.*

German

Carr, C. T., M.A. Manc., D.Litt. Prof.

Hayens, K. C., M.A., D.Litt. Glas. Reader.*

Brill, E. V. K., M.A. Lectr.

Harvey, Ruth C., M.A. Oxon. Lectr.

Müller, R. M. I.ektor.

Strachan, T., M.A. Lectr.*
Robertson, A. G., M.A. Lectr.*

Prasch, K. Demr.*

Hebrew and Oriental Langs.

Honeyman, A. M., B.D., Ph.D.
Edin., M.A., B.Litt. Prof.

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.

* At Dundee.

† At St. Andrews and Dundee.

History, Colonial

Macmillan, W. M., M.A. Oxon.
Lectr. and Director of
Colonial Studies.

History, Economic

Carstairs, A. M., M.A., B.Phil.
Lectr.

History, Mediæval

Adam, R. J., B.A. Oxon. Lectr.
Whitfield, D. W., B.A. 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.
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

Gash, N., M.A., B.Litt. Oxon.
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.) Lectr.
Mitchell, A. R., B.Sc., Ph.D.
Lectr.
Gray, J. R., B.Sc. Edin.
(Statistics) Lectr.

Borwein, D., B.Sc. Rand., Ph.D.
Lond. Lectr.

Read, A. H., M.A. Camb. Lectr.
Patterson, E. M., B.Sc., Ph.D.
Leeds Lectr.

Deas, H. D., M.Sc., Ph.D. Belf.
Lectr.

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

Knox, T. M., M.A. Oxon. Prof.
Wernham, A. G., M.A. Aberd.,
B.A. Oxon. Lectr.
Kemp, J., M.A. Oxon. Lectr.
Tulloch, Doreen M., M.A. 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.*
Forrest, J., M.A., B.Sc. Glas.,
D.Sc. Lectr.*
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.
Lectr.*

Hutchinson, W. C. A., B.Sc., Ph.D.
Durh. Asst.*

Physiology

Ritchie, A. E., M.A., B.Sc. Aberd.,
M.D., Ch.B. Edin.

Chandos Prof.

Bayne, S., B.Sc., M.B., Ch.B.
(Biochem.) Lectr.

Tristram, G. R., B.Sc., Ph.D. Liv.
(Biochem.) Lectr.

Taylor, J. H., M.B., Ch.B. Edin.,
D.P.H. Lectr.

Crossland, J., M.A. Oxon., Ph.D.
Wales Lectr.

Lenmay, J. A. R., M.B., Ch.B.
Edin. Asst.

Fewster, J. A., B.Sc.
(Biochem.) Asst.

Bell, G. H., B.Sc., M.D. Glas.,
F.R.F.P.S.Glas. Prof.*

Cook, R. P., B.Sc. Melb., Ph.D.,
D.Sc., M.B., B.Chir. Camb.
(Biochem.) Lectr.*

Brown, Margaret B., B.Sc., Ph.D.
(Biochem.) Lectr.*

Andrew, B. L., B.Sc. Lond. Lectr.*

MacQueen, A. T., M.B., Ch.B.
Edin. Lectr.*

Mackenzie, R. M., B.Sc. Asst.*

Polish

Seliga, S., M.A., Ph.D. Warsaw
Lectr.

Political Science

Moodie, G. C., B.A. Oxon., M.A.
Lectr.

Psychology

Ferguson, H. H., M.A. Lectr.

Flook, A. J., B.A. Lond. Lectr.

Ramsay, S. G., B.Sc. Edin. Lectr.

Social Sciences

Coatman, J., C.I.E., B.A. Manc.,
M.A. Oxon. Dir. of Research.

Spanish

Woodward, L. J., M.A. Camb.
Lectr.
Gifford, D. J., M.A. Oxon. Lectr.

Theology, v. Divinity*Zoology*

Callan, H. G., M.A. Oxon., D.Sc.
Edin. Prof.
Sutherland, Christina H., M.A.,
B.Sc. Aberd. Lectr.
Burt, D. R. R., B.Sc., F.L.S. Lectr.
Dodd, J. M., B.Sc. Liv. Lectr.
Stevens, J. L., B.Sc. Glas. Asst.
Peacock, A. D., D.Sc. Durh.
Prof.*
Waterhouse, F. L., M.Sc. Manc.
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**

Ferguson, J. G., M.B., Ch.B.
Asst.*
Nelson, N., M.B., Ch.B. Asst.*

*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.*

*Dental Surgery and Pathology and Dental Jurisprudence**

Black, E. N., L.D.S. Asst.*
Conacher, F., L.D.S. Asst.*
Crichton, 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. (Orth. and D.
Dis. of Children) Lectr.*
Whyte, R., L.D.S., D.P.D., Ph.D.
(Dental Diagnosis) Asst.*

*Parodontal Diseases and Preventive Dentistry**

Bradford, E. W., M.D.S. Sheff.
Lectr.*

Public Dentistry

Finlayson, D. A., L.D.S. Asst.*

Medicine

(for pre-clinical subjects—Anat.,
etc., v. *supra*)

*Anæsthetics**

Shearer, W. M., B.Sc., M.B., Ch.B.,
M.D., D.A., F.F.A.R.C.S.
Lectr.*
Muir, Margaret C., M.B., Ch.B.
Asst.*

Soutar, Mrs. Margaret E., M.B.,
Ch.B. Asst.*
Leng, Janet E., M.D., D.A. Asst.*
Emmerson, J., M.B., Ch.B. Glas.
Asst.*

*Bacteriology**

Tulloch, W. J., O.B.E., M.D.
Prof.*
Brodie, J., M.B., Ch.B., M.D.,
D.P.H. Lectr.*

*Medicine, History of**

Gibson, H. J. C., M.A. Glas., M.D. Edin. Lectr.*

*Midwifery, v. Gynæcology, supra**Ophthalmology**

Scott, A. A. B., M.D., D.O.M.S. Lectr.*

Tulloch, A. K., M.B., Ch.B. Lectr.*

Mathers, R. M., M.B., Ch.B., D.O.M.S. Asst.*

*Orthopædics**

Smillie, I. S., O.B.E., M.B., Ch.M. Edin., F.R.C.S.Ed., F.R.F.P.S.Glas. Lectr.*

*Pathology**

Lendrum, A. C., M.A., B.Sc., M.D. Glas. Prof.*

Tudhope, G. R., M.B., Ch.B., M.D., Ph.D., D.P.H. Lectr.*

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.*

Prairie, J. H., M.B., Ch.B. 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.*

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. Lond., B.Pharm.

(Pharmacol.) Lectr.*

Shepherd, D. M., B.Sc., Ph.D. (Pharmacol.) Lectr.*

Taylor, N. R., M.B., Ch.B. Edin. (Pharmacol.) Lectr.*

McDougall, Mary D., B.Sc. Edin. (Pharmacol.) Asst.*

Tudhope, G. R., B.Sc., M.B., Ch.B. (Therapeutics) Asst.*

*Psychology, Medical**

Uytman, J. D., M.B., Ch.B. Glas., D.P.M. Lectr.*

*Public Health and Social Medicine**

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., Ch.B., D.P.H. Aberd. Lectr.*

Cuthbert, J. A., M.B., Ch.B., D.P.H. Edin. 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.*

Torrance, Julia, M.B., Ch.B. Glas. (Community Immunization) Asst.*

Fulton, Annie A., M.B., Ch.B., M.D., D.P.H.

(Child Welfare) Asst.*

Dow, Agnes W., M.A., M.B., Ch.B. Asst.*

Needham, J., F.R.I.B.A. Asst.*

Harris, R., B.A. Camb. Asst.*

*Radiology and Elec. Therap.**

Grant, G. M., M.B., Ch.B. Lectr.*

Sprunt, T., M.B., Ch.B. Edin., D.M.R., F.R.C.S.Ed. Lectr.*	Charleson, C., B.A., B.M., B.Ch. Oxon., F.R.C.S.Ed. Lectr.*
Swanson, W. C., M.B., Ch.B. Glas., D.M.R. Lectr.*	Kirkpatrick, E. R. G., M.B., Ch.M. Syd., F.R.C.S.Ed. Lectr.*
Riley, J. F., M.D., F.R.C.S.Edin. Lectr.*	Kinnear, J. S., M.B., Ch.B., F.R.C.S.Ed. 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.*	

*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.*	

*Tuberculosis**

McIntosh, D. G., M.B., Ch.B., D.P.H. Lectr.*	
Smith, D. H., M.B., Ch.B. Lectr.*	

*Venereal Diseases**

Keay, D. M., M.B., Ch.B., D.P.H. Lectr.*	
Finnigan, Mrs. Jeannie P., M.B., Ch.B. Asst.*	

Andrew Lang Lecturer

1952-53—.....

Gifford Lecturer in Nat. Theol.

1952-53—Prof. B. Blanshard.

* At Dundee.

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*—Irene J. A. Grant, A. W. Campbell; *Dundee*—Mrs. Agnes Muir, J. A. Qusklay.

ADVISERS OF STUDENTS. At *St. Andrews*: in Arts, Prof. T. E. Wright; in Sci., Dr. D. Jack; Dr. J. Y. Macdonald; Dr. J. A. Macdonald; in Med., Prof. R. Walmsley. At *Dundee*: in Arts, Dr. K. C. Hayens; in Sci., Prof. G. D. Preston; in Med., Prof. W. J. Tulloch; in Engineering, Prof. E. G. Cullwick; in Dentistry, Prof. A. D. Hitchin; in Law, B. C. Bowman.

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., Anthropol., Ethnol., Geol., Mineral., Nat. Hist.; at Dundee—Geol., Med., Nat. Hist. **LABORATORIES** at St. Andrews—in all above depts. except Med., also Chem. (with special Research lab.), Marine, Physics, Astronomy (Observatory), Physiol., Bot. Garden. At Dundee—Anat., Bact., Chem., Embryol., Engin. (Elec. Hydraulic, Mech.), Mat. Med., Maths., Nat. Hist., Physics, Physiol., Pathol.

FACULTIES AND DEANS. *Arts*, Prof. T. E. Wright (Lat.); *Divinity*, Prof. W. R. Forrester (Pract. Theol.); *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.Litt., B.Phil., 5 yrs. including M.A. course, awarded on completing Special and Hons. Arts examns. in 3 cognate subjects, provided adequate grades of Hons. have been attained; 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 1st degree or recognized dipl.; LL.B., 3 yrs. after Arts degree.

Higher degrees: D.Litt., 5 yrs. after M.A. Hons., B.Phil., B.Litt., or B.Sc. Hons.; 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.

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.

DIPLOMAS. Education, for graduates who complete the first year of the Ed.B. course; D.P.H., 12 mos.; D.P.D., 5 mos. after obtaining registrable Dental qualification.

FEES. 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.

RESIDENCE. For Women: University Hall, 100 students (Warden: Mrs. Johanna M. Graham, B.Sc.), MacIntosh Hall, 100 students (Warden: Ettie S. Steele, B.Sc., Ph.D.), at St. Andrews (fees: from £105 per session); West Park Hall, 72 students (Warden: Winifred M. Hackett, M.A., D.Phil.), at Dundee (fees: £95 to £103 : 10s. per session). For Men: St. Salvator's Hall, 120 students; Deans Court, 17 research students; St. Regulus Hall, 50 students; Hepburn Hall, 27 students; and Hamilton Hall, 100 students (Senior Warden: J. B. Salmond, M.A., LL.D.), at St. Andrews (fees: £115 per session, except Deans Court, for which rates are slightly higher): University College Hall, 100 students; (Warden: G. R. Tudhope, M.D., Ph.D.), at Dundee (fees: £95 to £103 : 10s. per session); William Low Residence, 34 students; (Warden: D.A. Leslie, M.B., Ch.B.), at Dundee, 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.

An ALUMNUS ASSOCIATION was founded in 1926. Alumnus Clubs exist in London, Birmingham, Dundee, Edinburgh, Glasgow, Johannesburg, Leeds, Manchester, Aberdeen, Toronto, and Rhodesia. Information may be obtained from the Secretary, Alumnus Association, The University, St. Andrews.

PUBLICATIONS. *Calendar* (Sept.), 12s. 6d.; Students' Representative Council's *College Echoes*; Alumnus Association's *Chronicle* (half-yearly).

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS Late Miss Susanna Wallis, bequest of approx. £2000 to Univ. Coll. to found "The Miss Ina Cumming Bursary"; D.S.I.R., £1350 to the Univ. Observatory and also special grant of £1000 to Observatory for an investigation on "Interferometer with Multi-layer Dielec-

tine Coatings"; Edward A. Deeds Fellowship, £1200 to Univ. Coll.; anon. donor, further payment of £1000 towards founding of the Oxford Scholp.; Wellcome Research Inst., £700 p.a. for 2 yrs. to Dept. of Pharmacol. and Therapeutics, for a res. project; United Africa Co., £500 p.a. for 5 yrs. to allow award of Residential Entrance Scholps.; Monsanto Chemicals Ltd., £500 to Univ. Coll. to enable a continental scientist to study at Univ. Coll.; late James Kidd, legacy of £500 to found prize for Dental Hosp. practice; Agricultural Research Council, £473 to Dept. of Physiol., United Coll., to aid investigation of comparative analysis of proteins, and £461 to Dept. of Physiol. and Biochem. for res.; I.C.I. Ltd., £250 to Dept. of Chem., United Coll., to meet cost of special chemicals; Shell Petroleum Co., £100 to Dept. of Geol., United Coll., in furtherance of field work; Rev. G. A. Grieve, £100 to found prize in Moral Philos.; David Simpson and David A. Simpson, £100 each to Univ. Coll. Various gifts of books, MSS., etc.

NEW BUILDINGS. New Chem. bldg. in Univ. Coll. completed. Work progressing on new administrative bldgs. in St. Andrews. Extensions to Residence Halls in St. Andrews and Dundee.

PRINCIPAL CHANGE IN REGULATIONS. New Arts Ordinance to come into effect in Oct. 1952 (see p. 608 for particulars).

EXTRA-MURAL CLASSES. Number of students attending courses of lectures (Adult Educn.), 1117.

RESIGNATIONS. Prof. R. C. Alexander (Surg.); C. O. Brink (Latin); P. A. Brunt (Anc. Hist.); L. J. Austin (French); H. M. Knox (Educn.); A. J. Y. Brown (Econ. Hist.); T. P. H. McKellar (Soc. Psych.); D. S. M. Graham (Anat.); H. J. Morris (Dent. Diseases of Children).

DEATH. R. P. McGlynn (Dent. Mech.).

HONORARY DEGREES. *D.D.*—Prof. J. W. Bowman, San Francisco Theol. Seminary; Rev. A. J. H. Gibson, Secretary of Church and Ministry Dept. of the Church of Scotland; Rev. Prof. J. Norregaard, Prof. of Ecclesiastical Hist., Copenhagen Univ.; Rev. E. A. Payne, General Sec.-Designate of Baptist Union of Gt. Britain; Rev. W. E. K. Rankin, Minister of St. Andrews; Rev. D. G. Webster, Minister of Dairsie. *LL.D.*—H.R.H. Princess Alice, Countess of Athlone, Chancellor of U.C. of the West Indies; Lord David Cecil, Fellow of New Coll., Oxon., Author, Historian and Novelist; Dr. J. Craigie, Dir. of Imperial Cancer Research Fund; Mrs. Annie I. C. Dunlop, Author and Historian; Sir W. Duke-Elder, Ophthalmic Surgeon; F. C. Eeles, Liturgiologist; Rt. Hon. Walter Elliot, M.P.; E. L. Hirst, Prof. of Org. Chem., Edinburgh Univ.; L. Landré, Prof. of English, Univ. of Paris; Dr. J. Lawson, Assessor of General Council on Univ. Court; J. D. Mackie, Prof. of Scottish Hist., Glasgow Univ.; S. C. Roberts, Master of Pembroke Coll., Camb.; Sir J. T. Sheppard, Provost of King's Coll., Camb.; A. H. Smith, Warden of New Coll., Oxon.; Sir Bertie M. Staig, formerly Auditor-General of India.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	160	1249
Women	43	648
Total	203	1897

Included in the above are 115 postgraduate students and 416 first-year admissions.

DEGREES. *Arts*: B.Phil., 1; M.A., 226; *Div.*: B.D., 2; *Dentistry*: B.D.S., 5; *Educn.*: Ed.B., 7; *Law*: B.L., 7; *Med.*: M.D., 5; M.B., Ch.B., 63; *Sci.*: Ph.D., 11; B.Sc., 128; Dipl. in Dent. Surg., 18; Dipl. in Educn., 67; Dipl. in Public Dent., 1; Hons. granted subsequent to graduation: Arts 40; Science 43.

NORTHERN IRELAND

[Information compiled as at 16/5/52 ;
Staff list revised on 14/10/52.]

THE QUEEN'S UNIVERSITY OF BELFAST*

Established by Charter 1908 ; founded as Queen's College 1845

Telegrams and Cables : University, Belfast.

Telephone : Belfast 30111.

VISITOR—H.M. THE QUEEN.

CHANCELLOR—Field-Marshal THE VISCOUNT ALANBROOKE, K.G., G.C.B.,
O.M., D.S.O., LL.D.

PRO-CHANCELLOR—The Rt. Hon. LORD MACDERMOTT OF BELMONT,
M.C., LL.D., Lord Chief-Justice of N. Ireland.

PRESIDENT AND VICE-CHANCELLOR—E. ASHBY, D.Sc. Lond., Sc.D.
Dub., D.I.C., F.L.S.

REPRESENTATIVES IN PARLIAMENT—

NORTHERN IRELAND—MRS. LILIAN I. M. CALVERT, B.A. ; EILEEN M.
HICKEY, B.Sc., M.D., D.P.H., F.R.C.P.I. ; S. T. IRWIN, C.B.E.,
D.L., B.A., M.Ch., F.R.C.S. ; FREDERIC T. LLOYD-DODD, O.B.E.,
M.A., D.Sc.

REGISTRAR—THOMAS ALAN SINCLAIR, M.A. Camb.

HONORARY TREASURER—Major DAVID M. ANDERSON.

LIBRARIAN—J. J. GRANEK, 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.

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).

Prof. 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.
2 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.

Astronomy

Part-time Lecturers

Lindsay, E. M., Ph.D. Harv.,
M.Sc.

Armstrong, E. B., B.Sc., Ph.D.

Biochemistry

Harrison, D. C., D.Sc., Lond.,
Ph.D. Camb.

J. C. White Prof.
Malpress, F. H., B.A. Oxon.,
Ph.D. R'dg. Reader.

..... J. C. White Lectr.
1 Asst. Lectr.

Botany

Small, J., D.Sc. Lond. Prof.

Lynn, Mary J., D.Sc. Lectr.

Fenton, A. F., M.Sc.
Actg. Lectr.

Kertland, Mary P. H., M.Sc.

Curator of Herbarium.
2 Asst. Lectrs.

Celtic

..... Prof.

Arthurs, J. B., M.A. Lectr.

1 Asst. Lectr.

Chemistry

Ubbelohde, A. R. J. P., M.A.,
D.Sc. Oxon., B.Sc. Lond.,
F.R.I.C., F.R.S. Prof.

Graham, H., D.Sc. Reader.

Pink, R. C., D.Sc. Reader.

Wilson, C. L., Ph.D. Glas., M.Sc.
(Micro-chem.) Reader.

Bacon, R. G. R., B.Sc., Ph.D.
Lond., D.I.C. Lectr.

Mackle, H., D.Phil. Oxon., M.Sc.,
Ph.D. Lectr.

Woodward, Ida, M.A. Oxon.
Temp. Res. Lectr.

11 Asst. Lectr. 5 Demrs.

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, F. C., 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 Pt.-time Asst.
Lectr.

Education

Knox, H. M., M.A., Ed.B., Ph.D.
Edin. Prof.

Sutherland, Margaret B., M.A.,
Ed.B. Glas. Lectr.

Wrigley, J., B.Sc., M.Ed. Manc.
Lectr.

1 Asst. Lectr.

Engineering, Civil

Naylor, A. H., M.Sc. Birm., B.Sc.
(Eng.) Lond. Prof.
Finnan, E. J., M.Sc. Sr. Lectr.

Lecturers

Sidwell, E. H., M.Sc.
Godden, W. G., M.Sc., Ph.D.
Doran, I. G., M.Sc., Ph.D. (Soil
Mechanics) Pt.-time Lectr.
5 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.
Patterson, Mrs. Helen T., M.A.
Manc.
Japolsky, L., B.A. Oxon.
Nurse, P. H., B.A. Oxon.
1 Asst. Lectr. 1 Lecteur.

French, Mediæval

Pelan, Margaret McL., Dr. de l'U.
Stras., M.A., Ph.D. Reader.
1 Asst. Lectr.

Geography

Evans, E. E., M.A. Wales, D.Sc.
Prof.
Jones, E., M.Sc., Ph.D. Wales
Lectr.
1 Asst. Lectr.

Geology

Charlesworth, J. K., D.Sc. Leeds,
Ph.D. Bres. Prof.
Preston, J., B.Sc. (Tech.), B.Sc.
Manc. Lectr.
..... Lectr.
1 Asst. Lectr.

German

Waterhouse, G., M.A. Camb.,
Litt.D. Dub. Prof.
Brooke, K., B.A. Birm. Lectr.
1 Asst. Lectr.

Histology

Strangeways, Dorothy H., M.A.
Camb., Ph.D. Leeds Lectr.

History

Sayles, G. O., M.A., D.Litt. Glas.
Prof.
Beckett, J. C., M.A. Reader.

Lecturers

Gray, J. W., M.A. Oxon.
Graham, A. H., M.A. Glas.
Duncan, A. A. McB., M.A. Edin.
and Oxon. (Palæog. and Dip-
lomatic).
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.
O'Neill, J. B., B.A., LL.B.
Pt.-time Lectr.
1 Asst. Lectr.

Mathematics (Applied)

Bates, D. R., D.Sc. Lond., M.Sc.
Prof.
Lecturers
Herivel, J. W. J., B.A. Camb.

Dalgarno, A., B.Sc., Ph.D. Lond.
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.
Lectr.

Williamson, J. H., M.A. Edin.
Lectr.

Adamson, I. T. A. C., B.Sc. St.
And., M.A. Prin.

Temp. 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., 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., Maitre Agrégé en
Philosophie Louvain.

Daly, Very Rev. C. B., D.D.
Maynooth, M.A.

Physics

Emeleus, K. G., M.A., Ph.D.
Camb. Prof.

Sloane, R. H., D.Sc. Reader.
Watt, C. S., Ph.D. Lectr.

..... Lectr.
..... Lectr.

1 Res. Asst. 7 Asst. Lectrs.
4 Pt.-time Asst. Lectrs.

Physiology

Greenfield, A. D. M., M.Sc., M.B.,
B.S. Lond. Dunville Prof.

Shepherd, J. T., M.B., M.Ch.
Lectr.

Loughridge, J. S., M.D., F.R.C.S.
Pt.-time Lectr.

Whelan, R. F., M.D. (For Dental
Students) Lectr.

2 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.

McIlreavey, F., B.Com.Sc. Tutor.
McManus, Sally C., B.A. Tutor.

Gilmore, Mrs. Mary J., B.A.
Asst. Tutor.

MacMillan, M. Patricia
Pt.-time Asst. Tutor.

Spanish

Llubera, I. M. G., M.A., D.Litt.
Madrid Musgrave Prof.

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.
Gotto, R. V., M.Sc. Lectr.

2 Asst. Lectrs., 1 Museum Asst.
(Pt.-time).

Arts

Extra-Mural Staff at Magee
University College, London-
derry :—

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., B.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., B.A. Oxon. Recog. T.

Edwards, O. H., Ph.D. Bonn,

M.A. 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., B.A. Camb.

Recog. T.

Logic and Philosophy

Robinson, T. H., M.A., B.D. Dub.

Recog. T.

Nicholl, H. F., B.A. Dub.

Recog. T.

Mathematics, Pure and Applied

Guthrie, W. G., M.A. Edin., Ph.D.

St. And. Recog. T.

Burgess, D. C. J., B.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

.....

Prof.

Houston, J., D.Sc.

Reader.

Lecturers

Prentice, J. H., B.Sc., B.Agr.

Robinson, K. L., B.Sc., B.Agr.

Assistant Lecturers

McConaghy, S., B.Sc., M.Agr.

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.

Dutton, G. H., B.A. (Agric.)

Camb. 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., B.Sc.
Gordon, W. A. M.

Medicine

(for pre-clinical subjects, v. *supra*)

Bacteriology

Graham, N. C., M.B., D.P.H.
J. C. White Lectureship
Reader.
Bartley, Eileen O., M.D., D.P.H. Lectr.

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

.....(Child and Prev. Dent.)
.....(Dent. Materials).
.....(Operative Dent. Surg.).
.....(Properties of Dent. Materials).
.....(Prosthetics and Mechanics).

Part-time Lecturers

Porter, D. C., M.D. (Dent. Radiol.).
Brown, W. M., M.D., D.P.H. (Anæsthetics).
Megaw, J. McL., M.B., F.R.C.S.Ed. (Surg. for Dent. Students).
Strain, R. W. M., B.Sc., M.D. (Med. for Dent. Students).

Dermatology

McCaw, I. H., M.D. Pt.-time Lectr.

Health Services

Boyd, J., M.A., M.D., F.R.C.P.I., D.P.H. Pt.-time Lectr.

Infectious Diseases

Kane, F. F., M.D., F.R.C.P.I., D.P.H. Pt.-time Lectr.

Materia Medica and Therapeutics

Part-time Lecturers
Cronhelm, H. J., M.D.
Pantridge, J. F., M.C., M.D.

Medicine

Bull, G. M., M.D. Cape T. Prof.
4 Clin. Lectrs. 1 Principal Tutor.
1 Sr. Tutor. 4 Jr. Tutors.
1 Pt.-time Asst.

Medicine, Forensic

..... Pt.-time Lectr.

Medicine, Psychological

Gardner, Dorothy M., M.B., D.P.H., D.P.M. Pt.-time Lectr.

Medicine, Social and Preventive

Stevenson, A. C., B.Sc., M.D. Glas., D.P.H. Lond. Prof.
Cheeseman, E. A., B.Sc. (Econ.), Ph.D. Lond. (Med. Stats.) Reader.

Lecturers

Blair, E. Maud McV., M.Sc., Ph.D. (Public Health Chem.).

Simpson, J., M.B. Glas., D.P.H.
(Prev. Med.) Temp. Lectr.

Midwifery and Gynæcology

Macafee, C. H. G., M.B., F.R.C.S.
Eng. and I., F.R.C.O.G.

Prof.
Gibson, G. B., B.A., M.D., M.A.O.
Dub. Lectr.

Boyd, G., M.B., F.R.C.S.Ed.
Pt.-time Lectr.

4 Clinical Lectrs. 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)

Barron, S., M.D., D.P.H.
Pt.-time Lectr.

Radiology

Montgomery, F. P., M.C., M.B.,
F.F.R., D.M.R.E.

Pt.-time Lectr.

Surgery

Rodgers, H. W., O.B.E., M.B.
Lond., F.R.C.S. Prof.

Welbourn, R. B., B.A., M.B.,
B.Chir. Camb., F.R.C.S.

Lectr.
4 Clinical Lectrs. 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 Recogn-
ized 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.

Gee, B. C., B.Sc., Ph.D.

Chemistry

Hughes, Kathleen H., B.A. Dub.,
M.Sc. Lectr.

Porter, J. W., M.Sc. Dub., F.R.I.C.
Lectr.

Barry, Ruth J. W., M.Sc.
Recog. T.

Tyrrall, E., M.Sc. Manc. Recog. T.

Commercial Law

Boyd, W. E., LL.B. Recog. T.

Electrical Engineering

Burns, P. L., M.Sc. Manc. Prof.

Allen, T. P., M.Sc. 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.

*Engines, Heat, and Practice of
Machine Des. and Construcn.*

Recognized Teachers

Craig, F. V.

Newel, D. G., B.Sc.

McBride, John, B.Sc.

Jennings, R.

Harvey, G. R.

French

Astle, E. W. B., M.A. Recog. T.

Mathematics

Griffith, L., B.Sc. (Eng.), M.A.
Lond. Lectr.

Davies, A. L., M.A. Sheff. Lectr.

O'Neill, F. R., B.A. Recog. T.

Scott, S. A., M.A. Recog. T.

Mechanical Engineering

Warnock, F. V., M.Sc., Ph.D.,
F.R.C.Sc.I. Prof.

Gilchrist, J. M., M.Sc. Lectr.

Goligher, T. E., B.Sc., D.I.C.
Lectr.

Recognized Teachers

Taggart, R.

Hewitt, W. P., B.Sc.

Sloan, J., M.Sc.

Kerr, W. F. K., M.Sc.

Microbiology

Heatley, Mrs. Patricia, M.A.
Recog. T.

*Organization of Industry and
Commerce*

Armstrong, D. L., B.Com.Sc.

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.

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 Pres-
byterian 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, Hel-
lenistic 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.

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 Exams., Clerk of Convocation : J. M. Freeland, B.Sc., B.Com.Sc. Asst. Bursar : R. J. Brown, LL.B. Second Asst. Sec. : P. N. Anderson. 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.—*v. supra*, Technol. 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.

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.

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.

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.

GENERAL INFORMATION

Queen's College, incorporated in 1845 and opened in 1849, was dissolved in 1908 on the constitution of the Queen's University of Belfast.

INCOME (1950-51): £365,000 (capital purposes, £100,000). Government of N.I., 67·3 per cent; local authorities, 4·3 per cent; fees, 18·7 per cent; other sources, 9·7 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. K. S. Isles; *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.); 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.

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. for a 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.

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 (FELLOWSHIPS, SCHOLARSHIPS, etc.) open to graduates of other Univs.: *see* Appendix II.

RESIDENCE. Queen's Elms (for men students, max. accomm. at present being 42), residence £30 per term (Warden: J. C. Beckett, M.A.). Riddel Hall (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. Asscn. has been formed, Secs., J. F. Gillies, Ph.D., College of Technology, Belfast; W. Johnston, M.D., 25 University Square, Belfast.

There is also a Queen's Univ. Club which meets in London. Sec., J. N. McFeeters, M.Sc., "Mariga," Arkley, Barnet, Herts.

RECOGNITION OF OTHER UNIVS. Students from other approved Univs. may apply for exemption from a 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.

PRINTER TO THE UNIVERSITY. Marjory Boyd, M.A., 2 Corporation St., Belfast.

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.; 2 regular, 8 T.A. commissions obtained by cadets. 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.

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).

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Anon. donor, £5000 to found postgrad. scholp. in Music; M. Logan, a double set of 35 mm. film projectors; Lady Kelly, a grand piano; Provost and Fellows of Trinity Coll., Dub., facsimile of the Book of Kells; one-fifth share of residue of the estate of Miss Agnes McMullen; grants from the cities of Belfast and Londonderry and from the counties of Antrim, Armagh, Down, Fermanagh, Londonderry, Tyrone.

NEW BUILDINGS. Work begun on new Geol. block; work proceeding on 2 clin. blocks on site of Royal Victoria Hospl. and Inst. of Pathol.; temp. boat-hse. opened.

NEW POSTS. Chairs in Appl. Econ., Music; Lectureships in Classics (Lat.), French (2), Hist. (Palæog. and Diplomatic), Spanish, Phys. (2), Med., Midwifery and Gynæcol., Educn., Maths., Civil Engin., Child Health, Surg., full-time in Oper. Dent. Surg., full-time in Orthodontics, high frequency Phys.; Asst., Lectureships, 15; Registrarships, 6; Sr. Tutorship, 1; Jr. Tutorships, 4; Overseer for staff of women cleaners.

OTHER DEVELOPMENTS. Univ. joined the Internat. Assn. of Univs.; 3 new plaques of 1939-45 war unveiled by Chancellor, and War Memorial rededicated; bindery and photographic branches provided for Library; revised regulns. for Testimonium in Div.; Certif. in Soc. Studies to be discontinued after 1951-52; recognition for 1st yr. Arts courses of Magee Univ. Coll.; recognition for courses for B.D. of Edgehill Theological Coll.; introduc. of

Dipl. in Pub. Admin.; introducn. of grade of sr. lectr.; Elem. Jurisprud. and Roman Law added to subjects of Fac. of Arts; revised regulns. for res. students; scheme of jt. appts. with N. Ireland Hospls.; authority for med. and dent. posts; agreement in principle with Corp. of Belfast on future of Engin. studies.

ADULT EDUCATION WORK. 116 classes formed in 41 centres in N.I.; 2700 students, with average 74 per cent attendance; 18 specially selected classes in Belfast; other week-end and one-day schools held; 210 lectures and 33 courses provided for members of H.M. forces in N.I.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. J. T. Geissendorfer, Ill.; Prof. F. H. Reinsch, Los Angeles; Prof. K. O. Shatwell, Syd.; Prof. R. W. Ditchburn, R'dg.; Prof. J. F. Baker, Camb.; Prof. A. D. Gibb, Glas.; Dr. S. R. M. Reynolds, Johns Hopkins Hospl.; Prof. W. A. Robson, Lond.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. R. D. C. Black, U.S.A.; Prof. Macafee, U.S.A.; Prof. Ubbelohde, U.S.A.; Jessie B. Webster, U.S.A.; Dr. E. M. Lindsay, S.A.; Prof. Montrose, Australian Univs.

RESIGNATIONS AND RETIREMENTS. Dr. P. A. Clearkin (Sec., Fac. of Med.); J. J. Hartley (Geol.) on retirement; Dr. H. G. Koenigsberger (Econ. Hist.) apptd. to sr. post, Manc.; Dr. J. T. Lewis (Mat. Med. and Therapeutics); Miss M. E. O'Brien, L. Proudfoot and A. Yates (staff tutors in Extra-Mural Studies); F. E. Dowrick (Law) apptd. to lectureship, Dub.

DEATHS. Sir William W. D. Thomson (Prof. of Med. since 1923); Emer. Prof. R. M. Henry (Lat.); Sir James Andrews (Pro-Chancellor since 1920); Emer. Prof. Gregg Wilson (Zool., former Hon. Treasurer, Registrar and Pro-Chancellor); Emer. Prof. C. G. Lowry (Midwif. and Gynaecol.).

HONORARY DEGREES. *LL.D.*—Lord Ismay; Sir Hector Hetherington; Lord MacDermott, Lord Chief-Justice of N.I. *D.Sc.*—Sir Thomas Dalling. *M.D.*—J. A. Craig, former lectr. in ophthalmol. *M.Agr.*—G. L. Wilson, daffodil breeder, Broughshane, Co. Antrim.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	257	1743
Women	55	546
Total	312	2289

Included in the above are 128 postgraduate students and 583 first-year admissions.

DEGREES. *Agric.*: M.Agr., 3; B.Agr., 14. *Arts*: M.A., 4; B.A. 118. *Commerce*: B.Com.Sc., 6. *Dent.*: B.D.S., 2. *Economics*: B.Sc. (Econ.), 9. *Educn.*: B.Ed., 7; Dip. Ed., 31. *Law*: LL.B., 13. *Med.*: M.D., 14; M.B., 88; D.P.H. 9. *Sci. (Pure)*: D.Sc., 2; Ph.D., 4; M.Sc., 13; B.Sc., 61. *Sci. (Civ. Engin.)*: M.Sc., 3; B.Sc., 47. *Theol.*: B.D., 3.

DIPLOMAS AND CERTIFICATES. Cert. Radio Eng., 4; Cert. Aeronautics, 1; Dentistry: L.D.S.; 13; Social Studies: Dip., 8; Certif., 4.

CANADA

ACADIA UNIVERSITY (p. 634)
UNIVERSITY OF ALBERTA (p. 639)
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UNIVERSITY OF ST. FRANCIS XAVIER (p. 812)
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UNIVERSITY OF SASKATCHEWAN (p. 821)
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CANADIAN UNIVERSITIES *

[Specially contributed for this edition by Dr. G. P. Gilmour, President and Vice-Chancellor, McMaster 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, N.S., and St. Mary's College, Halifax), 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.

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.

* *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.

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 connections), 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 1950-51, the number of Master's degrees completed in Canada was 1309, of which 206 were in French-language Universities, and the number of Doctor's degrees 209, of which 63 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, enrolls 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

* *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.)

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.

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 Queen's University, Kingston, Ontario, 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 1944-46* (1949), 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. 783) 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 College. 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 1951, the total general endowment was \$11,737,941; assets were \$12,874,718.

Since 1905, the Foundation has disbursed, to 4654 persons, some \$57,492,194.06 in free retiring allowances, disability allowances, and widows' pensions, in 168 Colleges, Universities, and technical schools. In 1951, allowances and pensions were being paid to 2126 persons, and 432 persons remained on the Foundation list, on Sept. 30, 1951, 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

Postal Address : Wolfville, Nova Scotia, Canada

Telephone (Registrar) : Wolfville 433.

PRESIDENT—WATSON KIRKCONNELL, M.A. Qu., Ph.D. Debrecen, LL.D. Ott. and New Br., D.P.Ec. Ukr. Free U., F.R.A.I., F.R.Hist.S., F.R.S.C.

CHAIRMAN OF THE BOARD OF GOVERNORS—M. R. ELLIOTT, M.D. Harv., B.A., D.C.L.

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REGISTRAR—RUBY M. THOMPSON, B.A

BURSAR—H. K. MOSHER.

LIBRARIAN—H. W. GANONG, B.A., B.L.S.

TEACHING STAFF

Art and Aesthetics

Beals, Helen D., B.A. Instr.

Biology

Bayne, P. McE., M.A. Tor. Prof.

Smith, E. C., Ph.D. Harv. Prof.

McCallion, D. J., M.A., Ph.D. Prof.

Brown Prof.

DeWitt, C. E. A., B.A., M.D.,

C.M. McG.

Med. Officer and Instr.

Chemistry

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Wallace Prof.

Small, C. W., M.A. Tor. Prof.

Linton, E. P., B.Sc., Ph.D. Tor. Prof.

Classics

Neatby, L. H., M.A. Sask.,

Ph.D. Tor. Asst. Prof.

Economic Science

Mosher, J. I., A.M. Harv.

Assoc. Prof.

Morse, N. H., M.A. Tor.

Asst. Prof.

Watson, R. E., M.A. Tor. Lectr.

Education, School of

Marshall, M. V., Ed.D. Harv.,

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

Engineering

Cain, B. N., B.E. N.S.T.C.

I. Curry Assoc. Prof.,

Dean Sch. of Appl. Sci.

Spence, G. D., B.Sc. N.S.T.C.

Asst. Prof.

De Wolfe, E. L., B.E. N.S.T.C.

Instr.

English Lang. and Lit.

Rhodenizer, V. B., A.M., Ph.D.

Harv. Morse Prof.

Sipprell, H. F., A.M. Harv.

Assoc. Prof.

Margeson, J. M. R., B.A. Br. Col.,

M.A. Tor. Assoc. Prof.

Wanamaker, M., M.A. Qu., B.A.

Lectr.

Geology

Bancroft, M. F., A.M. Yale

King Prof.

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

Cameron, H., M.Sc. McG.
 Assoc. Prof.
 MacNeill, R., M.Sc. Lectr.

German

..... Prof.

History

Longley, R. S., A.M., Ph.D. Harv.,
 LL.D. McM., B.Sc.
 Alumni Prof., Dean Fac.
 of Arts and Sci.
 Cornell, P. G., M.A. Tor.
 Assoc. Prof.
 Beck, J. M., M.A. Asst. Prof.

Home Economics

MacMillan, Elizabeth, B.Sc.
 (H.Ec.), M.Sc. Corn.
 Prof., Dean Sch. of H.
 Ec.

Assistant Professors

O'Blenes, Clarabel, M.Sc. Col.
 Allan, Genevieve, M.A. Tor.

Instructors

Magee, Elizabeth, B.Sc.
 Roscoe, Helen, B.A. Tor.

Mathematics

Associate Professors

Haley, D. K., M.A. Stanford
 Snow, D. O., M.A.

Music

Collins, E. A., Mus.B. Camb.,
 F.R.C.O.
 Prof., Dean Sch. of Music.
 Instructors

Noble, Mrs. Elsa, Mus.B.
 Kalejs, J.
 Kalejs, Mrs. Felicita
 McLennan, Mrs. Phyllis, Mus.B.
 Morgan, Ruth (Voice).

Physical Education

Kelly, F. G., B.A. Assoc. Prof.
 McManus, J. S., B.P.E. Tor.
 Asst. Prof.

Corcoran, Elgiva, B.P.E. Tor.
 Instr.

Physics

Noble, W. J., B.Sc. New Br.,
 M.Sc. Dal., M.A. Tor. Prof.
 Magarvey, R., M.Sc. McG., B.Sc.
 Asst. Prof.

Psychology

Vernon, W. H. D., B.A. Qu., A.M.
 Harv. Assoc. Prof.
 Grant, Marion E., M.A., P.Pæd.,
 LL.D. Tor. Asst. Prof.

Romance Languages

Rayski-Kietlicz, K., Mag. Phil.
 Cracow, D. ès L. Paris Prof.
 Taylor, Anna J., B.A. Dal., M.A.
 Col. Lectr.

Secretarial Science

Alexander, Katherine, B.A.
 Dir., School of Sec. Sci.
 Nowlan, G. C., B.A., LL.B. Dal.
 Lectr.

Theology

Biblical Literature and Interpretation

Lumsden, C. B., B.D. Newton,
 Ph.D. Yale, B.A. Prof.
 Levy, G. E., M.A. McG., B.D.,
 Th.D. United Theol., B.A.
 Lectr.

Church History

Whidden, E. MacD., M.A. McM.,
 B.D. Yale Prof.

Philosophy and Systematic Theol.

Fraser, R. MacG., M.A., B.D.
 McM., Ph.D. Yale Prof.

Practical Theology

Warren, G. C., B.D. Newton,
 B.A., DD.
 Armstrong Prof., Dean
 Sch. of Theol.

ADMINISTRATIVE AND OTHER STAFF

Jr. Dean : P. G. Cornell, M.A. Tor. ; Dean of Women : Marion E. Grant, M.A., D.Paed., LL.D. Tor. ; Veterans' Adviser : N. H. Morse, M.A. Tor. ; Univ. Physician : C. E. A. DeWitt, B.A., M.D., C.M., McG. ; Field Representative : Rev. R. S. Dunn, B.A., B.D. ; Plant Supt. : R. Roscoe, B.Sc. ; Dietitian : Mildred G. Meadows, B.Sc.

ASSOCIATED INSTITUTION

Approved graduates of Acadia and other recognized Universities who successfully complete a further two yrs. of professional training at the MARITIME SCHOOL OF SOCIAL WORK, Halifax, N.S., are granted by Acadia the degree of Master of Social Work (M.S.W.). Director—L. T. Hancock, M.A. Chic., B.S.W. McG., M.A. King's College, Halifax, N.S. (Telephone : Halifax 3-6907.)

GENERAL INFORMATION

Founded in 1838 by the N.S. Baptist Educational Society, Acadia College was incorporated in 1840 by Act of the N.S. Legislature, with the powers of a University and the name changed to Acadia University by an Act of Legislature in 1891. Endowment, \$1,200,000 ; Physical Plant, \$2,106,041.28. The 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) ; School of Theol. (Dean : Prof. G. C. Warren) ; School of Music (Dean : Prof. E. A. Collins) ; School of Home Econ. (Dean : Prof. Elizabeth MacMillan) ; Ivan Curry School of Appl. Sci. (Dean : Prof. B. N. Cain) ; School of Educ. (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. qualifcn. 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. 90,000 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; Seminary (Dean, Dorothy Fraser), 58. For Men: Memorial Residence (Dean, R. E. Watson), 187; Willett Hall (Dean, S. Holmes), 64; Academy Residence (Dean, E. Kipping), 42; Westwood, 19.

DEFENCE TRAINING. (a) Acadia University Naval Training Division, Staff Officer, Lieut. A. T. Love, R.C.N. (b) Acadia University Contingent, C.O.T.C.; 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 1950-51

RESIGNATIONS. Asst. Prof. C. W. Robinson (Geol.); Asst. Prof. K. H. Hart (Phys.); Asst. Prof. Gladys Saunders (Home Ec.); G. C. McCormick (Phys.); Eunice Magee (Sch. of Music); Barbara Crudge (Nursery Sch.).

HONORARY DEGREES. *D.C.L.*—A. J. Crockett, Juvenile Court Judge, New Glasgow, N.S.; J. W. Jones, Premier of P.E.I.; H. E. Read, Dean, Faculty of Law, Dal. U. *D.D.*—Rev. C. W. Corey, St. Petersburg, Fla. *D.Litt.*—H. H. Titus, Prof. of Philos., Denison U. *D.Sc.*—Dr. D. H. Webster, oculist, New York City.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	8	406
Women	24	198
Total	32	604

Included in the above are 80 postgraduate students and 152 first-year admissions.

DEGREES, ETC. B.A., 99 ; B.A. (Hons.), 6 ; M.A., 24 ; B.D., 3 ; B.Ed. 40 ; B.Sc. (Home Ec.), 21 ; B.Sc. (Indust. Arts), 1 ; Mus. Bac., 1 ; B.Sc., 24 ; B.Sc. (Hons.), 8 ; M.Sc., 4 ; Appl. Science Certif., 22 ; Lic. Mus., 4 ; H.Ec. Cert., 1 ; Sec. Sc. Cert., 18 ; Women's Leadership Dipl., 2 ; M.S.W., 2 ; Dipl. in Home Ec., 1.

UNIVERSITY OF ALBERTA *

Founded 1906

Postal Address : Edmonton, Alta.

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.

CHAIRMAN OF BOARD OF GOVERNORS—CHARLES MALCOLM MACLEOD, Q.C., LL.B.

PRESIDENT—ANDREW STEWART, B.S.A., M.A., LL.D.

DEANS OF FACULTIES—*Arts and Science* : WALTER HUGH JOHNS, B.A. W. Ont., Ph.D. Corn. *Law* : WILBUR FEE BOWKER, Q.C., B.A., LL.B. *Engineering* : ROBERT MACDONALD HARDY, B.Sc. Mani., M.Sc. McG. *Medicine* : JOHN WILLIAM SCOTT, M.D., C.M. McG., F.R.C.P. Can., F.A.C.P. *Agriculture* : ARTHUR GILBERT MCCALLA, Ph.D. Calif., M.Sc. *Education* : HERBERT EDGAR SMITH, B.A. Ill., Ph.D. Calif., M.A., M.Ed. *Dentistry* : WILLIAM SCOTT HAMILTON, D.D.S. Tor., L.D.S. Tor., F.A.C.D., F.D.S.R.C.S.

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.

REGISTRAR—G. B. TAYLOR, M.Sc.

ASSISTANT REGISTRAR—A. D. CAIRNS, B.A.

LIBRARIAN—MARJORIE SHERLOCK, M.A., B.L.S.

ALUMNI SECRETARY—ALEXANDER GILMOUR MARKLE, B.A.

BURSAR—JOHN MACLEAN WHIDDEN, B.Com.

TEACHING STAFF

<i>Accounting</i>	Greene, E., M.D., C.M. McG., F.R.C.S.Ed., F.A.C.S.
Campbell, J. D., M.Com. Qu.	Hon. Prof.
Goodale, D., B.Com. Sask.	Rawlinson, H. E., M.Sc., Ph.D. McG., M.D. Prof.
<i>Agriculture, v. infra</i>	Minish, N. J., M.D. Mani.
<i>Anatomy</i>	Hon. Asst. Prof.
Shaner, R. F., Ph.B. Lafayette, Ph.D. Harv., F.R.S.C. Prof.	Salt, W. R., M.Sc. Asst. Prof.
	<i>Bacteriology, v. Med.</i>

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

Biochemistry

- Collier, H. B., M.A., Ph.D. Tor.
 Prof.
 Tuba, J., M.Sc. Sask., Ph.D. Tor.
 Prof.
 Jelinek, B., D.Sc., Dip.Ing. Brno,
 B.Sc., M.D. Masaryk
 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.
 Sandin, R. B., Ph.D. Chic., M.A.,
 F.R.S.C. Prof.
 Morrison, J. L., M.Sc. Sask., Ph.D.
 McG. and Camb. Assoc. Prof.
 Davis, S. G., Ph.D. McG., M.Sc.
 Assoc. Prof.
 Brown, R. K., Ph.D. McG., M.Sc.
 Asst. Prof.
 Harris, W. E., Ph.D. Minn., M.Sc.
 Asst. Prof.
 Allen, W. F., B.Sc. W. Ont., M.A.,
 Ph.D. Tor.
 Asst. Prof. (Calgary).
 Sukara, A. J., M.Sc. Manit.
 Lectr. (Calgary).
 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. Hart-
 ford, 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.
 Prof. and Dean of Fac.
 of Educn.
 Doucette, A. L., M.A., Ed.D.
 Stanford
 Prof. and Director, Cal-
 gary Branch, Fac. of
 Edn.
 Coutts, H. T., B.A. Tor., M.A.,
 Ph.D. Minn. Prof.
 Dunlop, G. M., M.A., Ph.D. Col.
 Prof.
 McDougall, W. D., D.Ed. Col.,
 M.A. Prof.
 Aikenhead, J. D., B.A. Manit.,
 M.A. Chic.
 Assoc. Prof. (Calgary).
 Baker, H. S., B.A. Tor., Ph.D.
 Col., M.A. Assoc. Prof.
 Chittick, R., B.Sc. Col., M.A.
 Stanford, M.P.H. Harv.
 Assoc. Prof. (Calgary).
 Finn, T. G., Ed.D., A.M. Stanford,
 B.A. Assoc. Prof. (Calgary).
 Gilles, J. W., Ed.D. Stanford,
 M.A., M.Ed.
 Assoc. Prof. and Dir. of
 Summer Session.
 Hodgson, W. E., M.A. Minn.,
 B.Ed. Assoc. Prof.
 MacGregor, H. A., Ed.D. Oregon,
 M.S. Corn., B.Sc.
 Assoc. Prof.

Sheane, G. K., M.A., D.Paed. Tor.
Assoc. Prof. (Calgary).

Simpson, Maimie S., M.Sc., M.Ed.
Assoc. Prof. and Dean
of Women.

Sparby, H. T., B.Sc., M.A.
Assoc. Prof. and Provost.

Walker, B. E., M.A. Assoc. Prof.
Buxton, E. W., B.A., B.Ed.

Asst. Prof. and Asst.
Provost (Calgary).

Card, B. Y., B.Sc., B.Ed.
Asst. Prof.

Clarke, S. C., Ed.D. Stanford,
M.A., M.Ed. Asst. Prof.

Goodwin, L., B.A., M.Ed.
Asst. Prof. (Calgary).

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. (Calgary).

Pilkington, W., M.A., B.Ed.
Asst. Prof.

Rees, R. E., Ph.D. Northwestern,
B.A., B.Ed. Asst. Prof.

Stadelbauer, Helen B., B.Sc., M.A.
Col. (Art)

Asst. Prof. (Calgary).

Forbes, J. A., M.Ed. (Art) Lectr.
Barnett, H. B., B.A. Tor.

Lectr. (Calgary).

Caldwell, Muriel, B.Ed. Lectr.

Engineering, v. infra

English

Salter, F. M., B.A. Dal., M.A.
Chic., F.R.S.C. Prof.

Jones, J. T., M.A. Oxon. and Alta.
Prof.

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.

Lectr.

Godfrey, D. R., B.A., Ph.D. Dub.
Lectr.

Watson, W., B.A. Br. Col., M.A.,
Ph.D. Tor. Lectr. (Calgary).

Robertson, Eunice, B.Ed. Lectr.
Entomology

Strickland, E. H., M.Sc. Harv.
Prof.

Hocking, B., B.Sc. Lond., M.Sc.
Assoc. Prof.

Fine Arts

Glyde, H. G. (Art) Prof.
Orchard, R. H. G., M.A. Camb.

(Drama) Asst. Prof.

Eaton, R. S., Mus.B. McG.
(Music) Asst. Prof.

Taylor, J. B. (Art) Asst. Prof.
Crichton, A. B., Mus.Bac. Tor.

(Music) Lectr.

Nelson, Esther
(Drama) Ext. Lectr.

French and German, v. Mod. Langs.

Geology

Warren, P. S., B.A., Ph.D. Tor.,
F.R.S.C. Prof.

Folinsbee, R. E., M.Sc., Ph.D.
Minn., B.Sc. Assoc. Prof.

Stelck, C. R., M.Sc., Ph.D. Stan-
ford 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.

Long, M. H., B.A. McM., M.A.
Oxon., F.R.S.C. Sp. Lectr.

Thomas, L. G., M.A.
Assoc. Prof. and Sec.,

Fac. Arts and Sci.

Blackley, F. D., M.A. Tor.
Assoc. Prof.

Self, G. M., M.A. McG., Ph.D.
Chic. Asst. Prof. (Calgary).

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. Asst. Prof.
Wade, Charlotte, B.Sc. Mt. All.,
M.A. Col. Lectr.

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Instr. and Dietitian,
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Empey, Elizabeth, B.Sc.
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Young, Baunita, B.Sc.
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Brewer, Mrs. Alice, B.H.Ec.
Sessl. Lectr.

Industrial Research, v. infra

Law

Bowker, W. F., Q.C., B.A., LL.B.
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.
Asst. Prof.

Thompson, A. R., LL.B. Manit.
Asst. Prof.

Weston, A. B., LL.B. W. Aust.
Asst. Prof.

Sessional Instructors

Cobbledick, D. W., LL.B.

Cormie, D. M., B.A., LL.M. Harv.
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. 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., B.Sc., B.Ed., M.A. Tor.,
Ed.D. Stanford.

Horton, G. K., B.Sc. Lond., M.Sc.,
Ph.D. Birm.

Moser, L., B.Sc. Manit., M.A. Tor.,
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Shaw, A., B.Sc. Lectr.

Medicine, v. infra

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) Asst. Prof.

Faucher, M., L. en Droit Paris,
M.A. Calif.

(French) Asst. Prof.

Graham, V. E., B.A. Oxon., B.A.
Asst. Prof. and Asst.

Dir. (Calgary).

Samuel, G., M.A. Glas.

(French) Lectr.

Starchuk, O., Dr. Jur. et Rer. Pol.
Chernowitz (Russ.) Lectr.

Reinhold, E., B.Sc., M.A.

(German) Lectr.

Philosophy and Psychology

Smith, D. E., M.A. Qu., Ph.D.
Harv. (Psychol.) Prof.

Macdonald, J., M.A., D.Litt. Edin.
(Soc. Psychol. and Soc.

Philos.) 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.
Cook, J. T., M.A. Sask., B.Paed.
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Wilson, Lolita, M.A. Br. Col.
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Physical Education

Van Vliet, M. L., M.S. Oregon,
Ed.D. U.C.L.A. Prof.
Eriksson, A. W. E., M.Sc., M.A.
Wash. Assoc. Prof.
Smith, W. D., B.P.H.E. Tor.,
M.A. Calif. Asst. Prof.
Hastie, Evangeline A., B.A. Tor.
Asst. Prof.
Austin, Patricia, B.P.H.E. Tor.
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.A., Ph.D.
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F.R.Met.S. Assoc. Prof.
Gowan, E. H., D.Phil. Oxon.,
B.A., B.Sc., F.R.Met.S.
Assoc. Prof.
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McG. Assoc. Prof.
Newbound, K. B., M.Sc. Manlt.,
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Asst. Prof.
Sharp, R. T., M.Sc. McG.
Asst. Prof.
Martin, M. C., B.Sc. St. F.X.,
M.Sc. W. Ont.
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Physiology and Pharmacology

Rice, H. V., M.D., Ph.D. Tor.
Prof.

Stewart, W. C., B.A. Tor., M.A.,
M.D., C.M. Qu. Assoc. Prof.
Höhn, E. O., M.B., M.Sc. Lond.
Assoc. Prof.
Heath, C., B.Sc. Lectr.

Political Economy

Mayo, H. B., M.A., D.Phil. Oxon.
(Political Science) Prof.
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Asst. Prof.
Self, G. M., M.A. McG., Ph.D.
Chic. Asst. Prof. (Calgary).
Gainer, W. D., M.S. Iowa State,
B.Sc. (Business Admin.)
Asst. Prof.
Mackenzie, W., B.Sc. Glas., B.Litt.
Oxon., M.S. Corn. Asst. Prof.
Davy, G. R., B.A. W. Ont., M.A.
Fletcher Sch. of Law and
Diplomacy Lectr.
Wise, T., B.A. Camb. Lectr.

Zoology

Rowan, W., D.Sc. Lond., F.R.S.C.
Prof.
Miller, R. B., M.A., Ph.D. Tor.
Prof.
Moore, E., M.A. Sask. Asst. Prof.
Clare, S., B.A. Kansas, M.S. Iowa
Sta., Ph.D. Chic. Asst. Prof.

Agriculture

Agr. Engineering

Stephanson, B. T., B.E. Sask.
Assoc. Prof.
MacHardy, F. V., B.E. Sask.
Sessional Lectr.

Animal Science

McElroy, L. W., Ph.D. Calif.,
M.Sc. Prof.
Bowstead, J. E., M.Sc., Ph.D.
Wisc. Assoc. Prof.
Clandinin, D. R., M.S.A. Br. Col.,
Ph.D. Wis. (Poultry)
Assoc. Prof.
Robblee, A. R., Ph.D. Wis., M.Sc.
(Poultry) Assoc. Prof.

Bowland, J. P., B.S.A. Manlt.,
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.

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.
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.) Assoc. 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.
Asst. 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.
Orobko, W., B.Sc., D.D.S.
(Oper. D.) Asst. Prof.
McLean, J. D., D.D.S., L.D.S. Tor.
(Prosthetic D.) Asst. Prof.
McMurphy, K. A., B.A. Sask.,
D.D.S.

(Oper. D.) Asst. Prof.
Brass, G. A., D.D.S., B.S.D.
Northwestern
(Oper. D.) Asst. Prof.

Lecturers

Blackmore, R. V., D.D.S. (Oper.
D.)
Blaquiere, R. H., D.D.S.
(Prosthetic D.)
Fee, A. D., D.D.S.
(Prosthetic 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.).

Instructors

Decker, G. E., D.D.S.
(Oral Diagnosis).
Florence, D. E., D.D.S., L.D.S.
Tor. (Oral Anat.).
Burnham, Kay A., D.D.S.
(Prosthetic D.).
MacKenzie, B. A., D.D.S.
(Prosthetic D.).
Stewart, D. R., D.D.S.
(Prosthetic D.).
Stuart, W. R., D.D.S.
(Prosthetic D.).
Duke, C. G., D.D.S.
(Prosthetic D.).

- Samuels, H. L., B.Sc., D.D.S.
(Oper. D.).
- Gilmour, D. S., D.D.S.
(Oper. D.).
- Hague, L. A., D.D.S. (Oper. 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. North-
western, F.R.C.P.
(Prosthetic D.).
- M'Intyre, R. R., L.D.S., D.D.S.
Tor. (Orthodontics).
- Husband, C. D., D.D.S.
(Local Anæsthesia).
- Mason, A. B., D.D.S. Penn.
(Periodontia).
- Ness, H. B., D.D.S. Minn., L.D.S.
Sask.
(Crown and Bridge
Work).
- Rooney, R. A., D.D.S. Valparaiso
(Prosthetic D.) Hon. Prof.
Engineering
v. also Research Council of Alberta
and Industrial Laboratories
Chemical E.
- Govier, G. W., B.A.Sc. Br. Col.,
Sc.D. Mich., M.Sc. Prof.
- Gregg, J. W., B.S. Calif.
Assoc. Prof.
- Robinson, D. B., M.A.Sc. Br. Col.,
Ph.D. Mich. Asst. Prof.
- Scott, A. L., M.A.Sc. Tor.
Asst. Prof.
- Quon, D., M.Sc., Sc.D. M.I.T.
Sp. Lectr.
- Civil and Municipal E.*
- Hardy, R. MacD., B.Sc. Manit.,
M.Sc. McG.
Dean, Fac. of Engin.,
Prof.
- Morrison, I. F., B.Sc. M.I.T.
(Appl. Mechs.) Prof.
- Thorssen, L. A., B.Sc., M.S. Iowa
(Civil E.) Prof.
- Blench, T., B.Sc. Glas. (Irrigation
Eng.) Assoc. Prof.
- Preston, W. W., B.Sc. Qu.
(Drawing and Descrip-
tive 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.
Asst. Prof.
- McManus, R. N., M.Sc.
(Civil E.) Asst. Prof.
- Sinclair, S. R., M.Sc.
(Civil E.) Asst. Prof.
- Bouthillier, P. H., B.Sc., S.M.
Harv. (Civil E.) Asst. Prof.
- Longworth, J., M.Sc. Illinois, B.Sc.
(Applied Mech.) Lectr.
- Kasten, H. L., M.Sc.
(Civil E.) Lectr.
- Electrical E.*
- Harle, J. A., M.Sc. Durh. Prof.
- Porteous, J. W., M.Sc. Assoc. Prof.
- Hastie, F. J., B.Sc. (Mech. E.)
Assoc. Prof. and Supt. of
Bldgs.
- Phillips, R. E., B.Sc. Asst. Prof.
- Panar, D., M.Sc. Mich. (Mech. E.)
Asst. Prof.
- Sadler, G. W., B.Sc. Sask.
Asst. Prof.
- Sessional Instructors
- King, R. W., B.Sc.
- Larson, V. C., B.Sc.
- Ozubko, M. J., B.Sc.
- Probert, J. F., B.Sc.
- Mining and Metallurgy*
- Clark, K. A., M.A. McM., Ph.D.
Ill. (Metall.) Prof.
- Lilge, E. O., M.Sc. Prof.
- Patching, T., B.Sc. Asst. Prof.
- Medicine**
- (for subjects of first 2 yrs.—Anat.,
etc., v. *supra*)
- Anæsthesia*
- Watts, E. H., B.A., M.D.
Clin. Prof.

Carmichael, J. E., B.Sc., M.D.,
C.M. Qu. Hon. Instr.

Gain, E. A., B.A., M.D.
Sessl. Instr.

Bacteriology

Stuart, R. D., Ch.B., M.D., D.Sc.,
D.P.H. Aberd., F.R.F.P.S.
Glas. Prof.

..... Assoc. Prof.

Stirrat, J. H., B.Sc., Ch.B., M.D.
Glas. Assoc. Prof.

Lamb, A. B., B.Sc. McG.
Asst. Prof.

Myers, G. E., M.Sc. Asst. Prof.

Keeping, Eleanor S., Ph.D. Manit.,
M.Sc. (Mycol.) Sessl. Lectr.

Schwindt, G. W., B.Sc. Instr.

McAlister, W. J., M.C., M.D.,
C.M. McG.

(Mental Hyg.) Hon. Instr.

Dermatology

Orr, H., O.B.E., M.B., D.P.H.
Tor., F.R.C.P.Can., F.A.C.P.

Clin. Prof.

Rentiers, P., M.Sc. Minn., B.A.,
M.D. Instr.

Hygiene and Preventive Medicine

Bow, M. R., B.A., M.D., C.M. Qu.,
D.P.H. Tor. (Pub. Health)

Assoc. Prof.

Little, G. M., M.D. Manit., D.P.H.

Tor. (Pub. Health) Lectr.

Somerville, A., B.A., M.D. Manit.,

D.P.H. Tor. (Hyg.) Lectr.

Schrag, A. R., M.D. (Mental Hyg.)

Instr.

Stanley, D. R., B.Sc., S.M. Harv.

(Hyg.) Instr.

Medicine and Clinical Medicine

Scott, J. W., M.D., C.M. McG.,
F.R.C.P.Can., F.A.C.P.

Dean of Fac. of Med.,

Prof.

Jamieson, H. C., M.B. Tor.,

F.R.C.P.Can. Hon. Prof.

Scott, W. H., M.C., M.D., C.M.

McG., F.R.C.P.Can.

(Clin. M.) Hon. Prof.

Sprague, P. H., M.Sc. Minn., M.D.,
F.A.C.P. Assoc. Prof.

Wilson, D. R., B.A. Oxon., M.D.,
C.M. McG., F.R.C.P.Can.

Assoc. Prof.

Bell, I. R., B.A., M.B. Tor.,
F.R.C.P.Can.

(Therap.) Hon. Prof.

Hamilton, K., B.A. Tor., B.A.,

M.B., B.Ch. Oxon., F.R.C.P.

Can., F.A.C.P. (Clin. M.) Prof.

Rich, C. B., B.S. Lond.,

F.R.C.P.Can.

(Clin. M.) Clin. Prof.

Thomson, R. K. C., B.Sc., M.D.,

F.A.C.P.

(Clin. M.) Asst. Prof.

Bell, G. I., M.D., F.A.C.P.

(Clin. M.) Lectr.

Bramley-Moore, W., M.D.

(M. Economics) Lectr.

Donald, E. F., M.D.

(Clin. M.) Lectr.

Elliott, F. G., M.D., C.M. Qu.,

F.A.C.P. (Clin. M.) Lectr.

Elliott, J. F., B.A., M.D., F.R.C.P.

Can., F.A.C.P.

(Clin. M.) Lectr.

Stephens, H. H., M.D. (Clin. M.)

Lectr.

Anderson, A. F., M.D., C.M. Manit.

(Clin. M.) Hon. Instr.

Downs, W. J., M.D., C.M. McG.,

B.A. (Clin. M.) Instr.

Greenhill, S., M.D., D.P.H. Tor.

(Clin. M.) Instr.

Lefebvre, C., B.A. Laval, M.D.

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Scott, S. McI., M.D. Manit.

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Dvorkin, J., B.A., M.D.

(Clin. M.) Sessl. Instr.

Gilbert, J. A. L., M.D., Ch.B.,

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(Clin. M.) Sessl. Instr.

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Wheeler, B. M., M.B.E., M.D.,
F.R.C.P.Can.

(Clin. M.) Sessl. Instr.

Matas, M., M.D. (Clin. M.) Instr.

Young, McL. K., M.D.

(Clin. M.) Sessl. Demr.

Peers, A. L., B.A. Camb.

(Clin. M.) Sessl. Demr.

Nursing

Penhale, Helen E. M., B.Sc., M.A.
Col. Director of Sch.

Smith, Orma J., B.A. Sask.

Adviser to Schools of
Nursing, Lectr.

4 Hospital Teachers.

Obstetrics and Gynæcology

Vant, J. R., B.A. Sask., M.D.
Manit., F.A.C.S., F.R.C.S.
Can. Prof.

Baker, J. O., M.D., C.M. Qu.,
F.A.C.S., F.R.C.S.Can.

Hon. Prof.

Day, A., M.B. Tor. Clin. Prof.

Clarke, T. R., M.D. Asst. Prof.

Horner, R. H., M.D., F.A.C.S.
Asst. Prof.

MacIennan, A. H., B.Sc., M.D.
Asst. Prof.

Hutton, Margaret MacS., B.A.,
M.D., F.R.C.S.Can. Lectr.

Parlee, S. S., B.Sc., M.D., F.A.C.S.
Lectr.

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Bell, D. M., M.D. Instr.

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Ophthalmol. and Rhino-Oto- Laryngol.

Marshal, M. R., M.D., C.M. McG.,
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(Rhino-Oto-Laryng.) Lectr.

Duggan, J. W., M.M.S. Tulane,
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(Ophthalmol.) Sessl. Instr.

Clarke, K. A. C., M.C., B.Sc., M.D.
(Rhino-Oto-Laryng.) Demr.

Orthopædics

Mewburn, F. H. H., O.B.E., V.D.,
B.Sc., M.D., C.M. McG.,
F.A.C.S., F.R.C.S.Can.

Hon. Prof.

Huckell, R. G., M.D., C.M. McG.,
F.A.A.O.S., F.A.C.S.

Clin. Prof.

Rostrup, O., M.D., F.A.C.S.,
F.R.C.S.Can., F.A.A.O.S.

Lectr.

Wilson, G. L., M.D. Instr.

Pædiatrics

Leitch, D. B., M.C., B.A., M.B.
Tor., F.R.C.P.Can. Clin. Prof.

Calder, J., M.D. Lectr.

Poirier, R., B.A., M.D. Montr.
Instr.

Armstrong, H. B., M.D.
Sessl. Instr.

Gander, J. A., M.B.E., M.D.
Sessl. Instr.

Pathology

Macgregor, J. W., B.A., M.D.
Provincial Pathologist
and Prof.

Hall, E. H., B.A., M.D. Tor.
Hon. Assoc. Prof.

Macdonald, G. R., B.Sc., M.D.
Lectr. and Asst. Prov.
Pathologist.

Hanson, S., M.D. Asst. Prof.

Bell, R. E., M.D.

(Clin. Path.) Lectr.

Weinlos, M., B.A., M.D., F.R.C.S.
Ed. and Can. Lectr.

Cantor, M. M., B.Sc., M.D.,
F.A.C.P. (Med. Jurisp.) Lectr.

Malcolmson, P. H., M.D. Tor., B.A.
Instr.

Sereda, M. M., M.D. Instr.

Wilson, J. S., M.D. McG. Instr.

Pharmacology, v. Physiol. supra

Pharmacy

Huston, M. J., Ph.D. Wash.,
M.Sc. Prof., Dir. of Sch.

Murray, J. R., M.Sc. Asst. Prof.
 Riedel, B. E., M.Sc. Asst. Prof.
 Anderson, A. J., M.S. Wash.,
 B.Sc. Lectr.
 Sprague, W. M. 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. Oxon., D.P.M. Lond.
 Hon. Instr.
 Michie, T. C., M.D. Instr.
 MacPherson, A. D., M.D. Instr.
 Spaner, S., B.A., M.D. Instr.

Radiology

Procter, R., M.D. Manit. Lectr.
 Duggan, H. E., M.D. Instr.
 Malcolmson, P. H., M.D. Tor.,
 B.A. Instr.
 Mallett, M., M.D., C.M. McG.
 Instr.
 Clare, R. McC., M.D. Instr.
 Smith, G. A. Sessional Instr.

Surgery and Clinical Surgery

MacKenzie, W. C., B.Sc., M.D.,
 C.M. Dal., M.S. Minn.,
 F.R.C.S., F.R.C.S.Can. Prof.
 Hepburn, H. H., M.C., M.D.,
 C.M. McG., F.R.C.S.Ed.,
 F.A.C.S., F.R.C.S.Can.
 Prof. and Prof. Neurosurg.
 Wilson, W. A., M.D., C.M. McG.,
 F.A.C.S., F.R.C.S.Can.
 (Clin. Surg.) Hon. Prof.
 Blais, The Hon. A., M.D., B.S.
 Laval, F.A.C.S.
 (Clin. Surg.) Hon. Prof.
 Ellis, G. N., B.A., M.D., C.M. Qu.
 (Urol.) Clin. Prof.
 Alexander, N. E., M.D., F.A.C.S.
 Assoc. Clin. Prof.
 Anderson, R. L., B.Sc., M.D.,
 F.A.C.S., F.R.C.S.Can.
 Assoc. Prof.
 Anderson, W. S., M.D., M.S. Tor.,
 B.Sc., F.A.C.S., F.R.C.S.Can.
 Assoc. Prof.

Lecturers

Whiteside, W. C., M.D., F.A.C.S.,
 F.R.C.S.Can. (Clin. S.)
 Tucker, G. N., M.D. Tor. (Urol.)
 Greene, E., M.D., C.M. McG.,
 F.A.C.S., F.R.C.S. Can. and
 Ed.
 (Surg. Anat.) Hon. Lectr.
 Hitchin, E., M.D.
 Mousseau, L. P., M.D. Montr.,
 F.A.C.S.
 Weinlos, M., B.A., M.D., F.R.C.S.
 Can. and Ed.
 Geissinger, M. E., M.D., F.R.C.S.
 Can., F.A.C.S. (Clin. S.)
 Allin, E. S., M.D. Tor., B.Sc.,
 F.R.C.S. (Clin. S.)
 Archibald, W. S., M.D., C.M. McG.,
 B.A. (Clin. S.)
 Hardy, A. W., M.D., F.A.C.S.
 (Clin. S.)
 Richard, H. L., M.D., F.R.C.S.
 Can., F.A.C.S. (Clin. S. and
 Surg. Anat.)
 Morton, G. K., M.D. (Neurosurg.)
 Lees, J. M., M.D. (Clin. S.)
 Wilson, T. S., B.Sc. New Br., M.D.
 Tor., F.R.C.S.Can. (Clin. S.)

Instructors

Harrison, R. C., M.D., M.S. Tor.,
 F.R.C.S. Can. (Clin. and
 Experimental S.)
 Shandro, W. A., M.D., C.M. McG.,
 F.R.C.S.Can. (Clin. S.)
 Couroy, F. D., M.D. (Urol.)
 Meltzer, H., M.D. Manit. (Clin. S.)
 Weinlos, C. H. M., B.A., M.D.,
 F.R.C.S.Can. (Clin. S.)

Therapeutics

Rodman, F. S. B., M.Sc. Sask.,
 Ph.D. Minn., M.D. Lectr.

Industrial Laboratories

Kelso, J. A., M.Sc. Qu.
 Director and Prov.
 Analyst.

Noble, C. E., B.A., B.Sc. Asst. Odynsky, W., M.Sc. Soil Surveyor.
Hodgson, G. W., Ph.D. McG.,
M.Sc.

**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. (Calgary).

Research Council of Alberta

Administrative Officers

Grace, N. H., M.B.E., M.A. Sask.,
Ph.D. McG., F.R.S.C., F.C.I.C.
Dir. of Res.

Hardy, R. McD., B.Sc. Man.,
M.Sc. McG.

Dean of Fac. of Engineer-
ing and Asst. Dir. of
Res.

Full-time Staff

Lang, W. A., M.Sc.
(Fuels) Assoc. Res. Prof.
Pasternack, D. S., B.Sc. Qu., Ph.D.
McG.

(Bituminous Sands) Sr.
Res. Chemist.

Gregory, J., M.Sc. Indust. Engin.
Charlesworth, J. S., B.Sc.
(Gasoline and Oil Test-
ing) Chemist.

(Bituminous Sands) Res.
Chemist.

Quon, D., D.Sc. M.I.T., M.Sc.
(Natural Gas) Res. Engin-
eer.

Tipman, E., B.Sc. (Gasoline) Asst.
Collins, G. A., B.Sc. Tor., M.Sc.
Washington U., St. Louis
Asst. Geologist.

Fryer, J. F., B.Sc. (Fuels) Jr. Asst.
Carveth, J. L., B.Sc.
(Fuels) Asst. Res. Engin-
eer.

Morimoto, T. E., B.Sc.
(Fuels) Asst. Res. Engin-
eer.

Wardle, M. R., B.Sc. McM.
(Fuels) Asst. Res. Chemist.
Wynnyk, A., M.Sc.

Asst. Soil Surveyor.
Swan, A. G., B.A. Br. Col.
Asst. Geologist.

Department of Extension

Cameron, D., M.Sc. Director.
Macleod, Flora, B.L.S. Tor.,
M.A. Librarian.
Hillerud, Sylvan, B.S.A. Agr. Sec.
Campbell, D. D., B.Com., B.A.
Br. Col. Asst. Prof.
Cormack, E. W., O.B.E., C.G.,
B.Sc. Asst. Prof.

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Buildings : F. J. Hastie, B.Sc. ; Supt. of Grounds : R. H. Knowles, B.S.A. ; Univ. Medical Officer : J. W. Scott, M.D., C.M., F.R.C.P.Can., F.A.C.P.

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AFFILIATED INSTITUTIONS

MOUNT ROYAL COLLEGE, Junior College, Calgary. (*Telephone* : Calgary 22491.) Principal—Rev. J. H. Garden, B.A., D.D.

ST. STEPHEN'S COLLEGE, Theological College of the United Church of Canada, is situated on the University campus. *Postal Address* : University of Alberta, Edmonton, Alberta, Canada. (*Telephone* : Edmonton 31153.) Principal—E. J. Thompson, M.A., B.D., Ph.D.

ST. JOSEPH'S CATHOLIC COLLEGE (Arts). *Postal Address* : University of Alberta, Edmonton, Alberta, Canada. (*Telephone* : Edmonton 31569.) Rector—Brother Luke. Affiliated to the Univ. in 1926 as an Arts Coll. working under the authority of the Senate ; occupies a site on the Univ. campus.

THE PROVINCIAL INSTITUTE OF TECHNOLOGY AND ART, Calgary (*Telephone* : Calgary 81559), operates directly under the authority of the Dept. of Education. Affiliated 1926. Principal—J. Fowler, B.A., B.Sc., LL.D.

GENERAL INFORMATION

The University was created in 1906 by an Act of the first session of the first legislature of the Province. In Jan. 1908 Dr. Henry Marshall Tory entered on his duties as President. The Senate supervised all phases of the institution's activities until 1910. At that time a Board of Governors was constituted and was given charge of the Univ.'s business affairs. This form of government remained substantially unaltered until 1942, when a new Act reduced the size of the Senate and transferred most of its academic functions to the General Faculty Council.

The Provincial Legislature has established a close relationship between the Univ. and the professions by giving the General Faculty Council jurisdiction over the educational standards of Agrologists, Architects, Chartered Accountants, Dentists, Engineers, Land Surveyors, Lawyers, Music Teachers, Pharmacists, Physicians and Surgeons, Registered Nurses and Veterinary Surgeons.

The University of Alberta, whose property covers 949 acres (Campus, 225 acres ; Farm, 724 acres), is situated in the city of Edmonton, the capital of the Province of Alberta. Its grounds border the wooded southern bank of the

North Saskatchewan river. To the original residence buildings, Athabasca Hall (1911), Assiniboia Hall (1912), and Pembina Hall (1914), were added the Arts Buildings (1915), the Engineering Laboratories (1919), and the Medical Building (1921). In 1922 the near-by Strathcona Hospital was acquired and became the University Hospital, an important factor in the training of medical students. Clinical teaching facilities were greatly increased by the erection of the Mewburn Pavilion for war veterans by the Dept. of Veterans' Affairs in Feb. 1945 and the expansion of the maternity and pædiatric portions of the Hospital in 1950. A new Nurses' Residence was opened in 1947 and expanded in 1950, and the Aberhart Memorial Sanatorium 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 at April 1, 1945, took over the Provincial Normal Schools and their staffs. The Calgary Normal School, which was housed in the building of the Provincial Institute of Technology and Art, became the Calgary Branch of the University.

LIBRARY, 140,000 vols.

LABORATORIES for all scientific courses; museum; herbarium; farm; agricultural experimental plots.

RESEARCH LABORATORIES for the study of (1) coal; (2) petroleum products; (3) field crops; (4) soils; (5) strength of materials; (6) animal nutrition; (7) pharmacy.

The Provincial Laboratory of Public Health and the industrial laboratory are also situated on the campus.

FACULTIES AND DEANS. v. page 639.

SCHOOLS AND DIRECTORS. v. page 639.

MATRICULATION. Examns. are conducted in June and August under the control of the High School and Univ. Matricn. Examns. Board of the Provincial Department of Education. Admission is at the senior matricn. (Grade XII) level, except from a Provincial School of Agriculture. *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. (1 yr. pre-dental). "Combined" courses: 5 yrs.—B.A., B.Com., B.A., LL.B.; 6 yrs.—B.A., B.Sc. (Engineering).

A Bachelor with honours standing may obtain the M.A. or M.Sc. in 1 yr. of advanced study (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 Univer-

sity 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 \$165; B.Sc., \$165-\$180; B.Com., \$165-\$200; B.Sc. (H.Ec.) and B.H.Ec., \$165-\$180; B.Sc. (Agric.), \$150-\$180; 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, \$5; Medical Service: Edmonton, \$8; Calgary, \$4; Students' Union: Edmonton, \$20.50; Calgary, \$14.50.

RESIDENCES. Pembina Hall, 152 women; Athabasca Hall, 138 men; Assiniboia Hall, 186 men, plus accommodation for 229 men in affiliated Colleges. Cost of room and board, \$55 to \$60 per month. Full meal and restaurant service provided by cafeteria. Social life is under the supervision of the Provost.

APPOINTMENTS. A sub-office of the Edmonton branch of the National Employment Service, managed by a graduate of the University, is located on the campus. This serves both graduates and undergraduates.

ALUMNI ASSOCIATION. All graduates are members of the Alumni Association, whose operations are controlled by a Council of twenty members. The Alumni Secretary-Treasurer, employed by the University, has his office in the Students' Union Building; he is also editor of *The New Trail* (*see* below).

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.

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 1950-51

SUBSTANTIAL BENEFACTIONS. National Res. Council, \$42,281 for res. work; Barley Improvement Inst., \$3000 res. grant; Provincial Dept. of Health, \$2200 for "Eye Survey Experiment"; Dom. Dept. of Health and Welfare, \$1500 res. grant; Alberta Seed Growers' Co-operative Ltd., \$1600 res. grant; A. R. Prince, Calgary, 1000 collections of fungi for Bot. Dept.; National Cancer Inst. of Canada, \$2500 balance of res. grant; Robin Hood Flour Mills Ltd., \$1200 res. grant; Canadian Construction Assocn., \$1000 toward res.; Alta. Division, Canadian Cancer Society, \$750 for lantern slide collection; Northwestern Utilities Ltd., \$3700 for equipment; Division of Entomology, Dom. Dept. of Agric., \$2000 res. grant; United Grain Growers Ltd., \$300 res. grant; C. Gallinger, three steers; N. American Cyanamid Ltd., \$1700 res. grant; Coll. of Physicians and Surgeons, \$400 for books for Med. Library; Chemagro Corp., \$1250 res. grant; C.P.R., \$10,000, and Massey-Harris, Co., Toronto \$750, for Banff Foundation; Ellison Milling and Elevator Co., \$250 res. grant; Purity Flour Mills, \$500 res. grant; J. and M. R. Markle Foundation, increase from \$5000 to \$6000 in annual grant to Fac. of Med.; Dr. and Mrs. R. Newton, 31 pictures, the balance of "The Emma Read Newton Collection"; *Edmonton Journal*, bound files of *Edmonton Bulletin*; Miss Helen Norton, Boston, 12 pieces of antique Roman glass; United Grain Growers Ltd., \$1000 for Banff Foundation, \$500 res. grant; Consolidated Mining and Smelting Co. of Canada Ltd., \$3000 res. grant; Defence Res. Bd., \$1700 res. grant; Weber Dental Manufacturing Co., X-ray machine; French Embassy in Ottawa, 46 books for Oral French section of Library; Dr. and Mrs. R. Newton, 91 ornaments and 10 paintings for collection; Hon. Chief Justice G. B. O'Connor, a set of the *Nuremberg Trials*; Northwestern Utilities, a large Beach gas range; Interprovincial Pipe Line Co., \$2500 for materials to construct pipe line test unit; by will of late Dr. W. J. Simpson, med. books and instruments; F. R. Graham, Vancouver, \$5000 for Banff Foundation.

NEW SCHOLARSHIPS. The 3 Sisters Chapter, I.O.D.E., of Canmore, \$50 Scholp. to student of their choice; Hudson Bay Mining and Smelting Co. Ltd., \$500 Scholp. to student selected by Co.; Alta. Teachers' Assocn., gold medal to student showing highest general proficiency in final yr. of B.Ed.; Kappa

Sigma Fraternity, \$200 scholp. to student of their selection ; Interprovincial Pipe Line Co., \$1000 p.a. fellowship to grad. student for fundamental res. on operation of pipe line ; Alice S. Hutchison Memorial Scholp. of \$150—" Playwriting and Short Story," in Banff Sch. of Fine Arts ; Alberta Visual Arts Bd., Birks 1950 Scholp. of \$100 ; C.I.L. Gas Fellowship, 1951, \$750, established by Canadian Industries Ltd., for grad. in chem. engin. from any Can. Univ., with equipment grant of \$250 ; continuation of " W. W. and I. E. Prevey Memorial Gold Medal in Household Econ." by Dr. Esther Prevey and Miss Ruth Prevey ; Peace River Women's Inst., award of \$25 to Peace River candidate of Western Board of Music ; Strathcona High Sch. Alumni, " G. W. Robertson Memorial Prize " of \$50 for grad. of Strathcona High Sch. in the Univ. ; Mrs. Wates, " C. G. Wates Memorial Prize ", \$50, for astron. student ; Glendon Bd. of Trade prize, \$5 for candidates in Glendon of Western Bd. of Music ; Husky Oil and Refining Ltd., \$500 fellowship for grad. study in some aspect of " black oil " industry ; Calgary Dent. Soc., \$100 for Postgrad. Scholp. Fund in Dent. ; Mr. and Mrs. O. E. Wobick, \$50 p.a. for 5 yrs. for prizes for Western Board of Music students in Lethbridge area ; Western Canadian Soc. of Hortic., \$50 p.a. prize, in rotation between the 3 prairie Univs. for award in sr. yr. of Hortic. degree course ; Alberta Tuberculosis Assocn., 4 prizes —\$50 for essay on health educn. by 3rd yr. student in Phys. Educn., \$75 for essay on health educn. by 4th yr. student in Phys. Educn., 2 prizes of \$25 each for essay on teaching of pub. health by student in Temporary Licence course ; F. C. Manning, " F. C. Manning Memorial Scholp. ", to 1st or 2nd year Commerce student ; J. M. Douglas Memorial Scholp. and the M. C. Douglas Memorial Scholp., \$300 each, to man and woman student of outstanding merit entering 4th yr. hons. ; Edmonton and District Druggists' Assocn. Scholp., \$100 to matriculant entering Pharm. ; the O. M. Fisher Prize of \$25 for student at Calgary Branch ; the E. K. Broadus Memorial Prize, £25 in books in English ; Scholp. of Calgary Section of National Council of Jewish Women of Canada, \$100 in Dent., and Award of American Academy of Dent. Med. in Dent.

EXTENSION WORK. Lantern slides sent out, yr. ending March 31, 91 sets ; miniature slides, 446 ; film strips, 2848 ; sets of motion-picture films, 3999. Lectures, 1300. Travelling library circulation, 23,901. Open shelf library circulation, 65,290. Radio talks, 271. Banff School of Fine Arts, 488. Univ. Week for Farm Young People, 200. Community Life Conferences, short courses and refresher courses, 3651.

RETIREMENTS: Nil.

RESIGNATIONS. Dr. A. W. Hardy (Anat.) ; Dr. G. R. Davison (Clin. Med.) ; Miss Helen Farquharson (Library) ; Mrs. Helen Laycraft (Outdoor Clinic, Univ. Hosp.) ; J. Eng (Chem. and Pet. Engin.) ; Miss Violet O. Katainen (Household Econ.) ; Dr. D. O. W. Waugh (Pathol.) ; Dr. H. H. Hepburn (Neurosurg.) ; Assoc. Prof. Zella J. O. Fry (Educn.).

DEATH. Dr. W. N. Gourlay (Clin. Surg.).

HONORARY DEGREES, Oct. 1950. *LL.D.*—A. Cairns, international agric. economist, Sec.-Gen. of Internat. Fed. of Agric. Producers ; Olive Fisher, educationalist in Alberta for many yrs. ; Dr. N. A. M. MacKenzie, Pres. Univ. of Br. Col., member of Royal Commission on National Development in Arts, Letters and Sciences ; Monsignor P. J. Nicholson, Pres. St. F. X. Univ., then Pres. National Conference of Canadian Univs.

May 1951 : Dr. G. D. Stanley, eminent physician and pioneer citizen of Alberta ; Dr. R. G. Wallace, then Principal and Vice Chancellor of Queen's

Univ., since retired ; F. G. Winspear, then Pres. of Canadian Chamber of Commerce.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	119	3212
Women	82	2542
Total	201	5754

Included in the above are 252 postgraduate students and 1005 first-year admissions.

DEGREES AND DIPLOMAS. B.Sc. (Agric.), 70 ; B.A., 109 ; M.A., 13 ; B.Com., 36 ; D.D.S., 25 ; B.D., 3 ; B.Ed., 201 ; M.Ed., 12 ; B.Sc. (Engineering), 158 ; B.Sc. (House Econ.), 23 ; B.H.Ec., 1 ; I.L.B., 55 ; M.D., 59 ; B.Sc. (Nursing), 22 ; B.Sc. (Pharmacy), 41 ; B.Sc. (Science), 159 ; M.Sc., 46 (all groups). Diploma in Education, Junior 345, Senior 111 ; Diploma in Music, 12 ; Diplomas in Nursing, R.N. 51, Public Health 5, Teaching and Supervision 10 ; Diploma in Pharmacy, 1.

UNIVERSITY OF BISHOP'S COLLEGE

Founded 1853

Postal Address : Lennoxville, Quebec.

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—.....

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. W. R. COLEMAN, M.A. Tor., S.T.M. U.T.S., N.Y., D.D. Wycliffe Coll., Tor.

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

Coleman, Rev. W. R., M.A. Tor., S.T.M. U.T.S., N.Y., D.D. Wycliffe Coll., Tor. Dean.

Moffatt, Rev. Canon E. K., M.A., B.D. Manlt. Lectr.

Scott, Rev. E., M.A. Oxon. Mountain Prof.

Education

Jefferis, J. D., M.A. McG., Ph.D. 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. and 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.

Anderson, F. M., B.A. Wesleyan, M.A. Corn. Lectr.

Michell, A., B.A. Oxon., M.A.	<i>Physics</i>
Manit., F.R.S.C.	Home, M. A., B.A. Br. Col., M.Sc.
Lectr.	McG.
	Prof.

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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.

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.

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PUBLICATION. *Calendar* (March), no charge.

THE YEAR 1950-51

HONORARY DEGREES. June 1951: *D.C.L.*—A. H. Sulzberger, Publisher, *The New York Times* ; The Rt. Hon. C. D. Howe, Minister of Trade and Commerce ; W. A. Mather, Pres. C.P.R. ; The Hon. Paul Sauvé, Minister of Social Welfare of Youth, and Civil Co-ordinator for Defence in Province of Quebec ; Very Rev. K. C. Evans, Dean, Christ Church Cathedral, Montr.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	164
Women	1	68
Total	3	232

DEGREES. B.D. 2 ; M.A., 2 ; B.A., 28 ; B.Sc., 13 ; L.S.T., 1.

THE UNIVERSITY OF BRITISH COLUMBIA*

Founded 1908

Postal Address : Vancouver, B.C.

Telegraphic Address : Ubrico.

Telephone : Alma 1191.

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DEANS—*Arts and Science*—S. N. F. CHANT, O.B.E., M.A. Tor. ; *Applied Science*—H. J. MACLEOD, O.B.E., B.Sc. McG., M.Sc. Alta., A.M., Ph.D. Harv., F.A.I.E.E. ; *Agriculture*—B. EAGLES, M.A., Ph.D. Tor., B.A., F.R.S.C. ; *Law*—G. F. CURTIS, LL.B. Sask., B.A., B.C.L. Oxon. ; *Graduate Studies*—H. F. ANGUS, B.A., LL.D. McG., B.C.L., M.A. Oxon., F.R.S.C. ; *Pharmacy*—A. W. MATTHEWS, M.Sc., Ph.D. Alta. ; *Medicine*—M. M. WEAVER, A.B. Wheaton, M.S., Ph.D., M.D. Chic., F.A.C.P. ; *Forestry*—L. BESLEY, B.S. Corn., M.F. Yale ; *Administrative and Inter-Faculty Affairs*—W. H. GAGE, M.A. ; *Women*—M. DOROTHY MAWDSLEY, B.A. McG., Ph.D. Chic., M.A.

EXECUTIVE ASST. TO THE PRESIDENT—G. C. ANDREW, B.A. Dal., M.A. Oxon.

REGISTRAR—C. B. WOOD, B.A. Tor., A.M. Col.

ASSOC. REGISTRAR—JOHN E. A. PARNALL, M.A. Tor., B.A., B.Ed.

ASST. REGISTRAR—MYRTLE L. KIEVELL, B.A.

HONORARY BURSAR—E. D. MACPHEE, M.M., M.A., B.Ed. Edin.

COMPTROLLER—R. M. BAGSHAW.

LIBRARIAN—N. HARLOW, Ed.B. U.C.L.A., M.A. Calif.

TEACHING STAFF

Agricultural Economics

Anderson, W. J., B.S.A., M.Sc. Sask.

Assoc. Prof., Act. Hd. of Dept.

Medland, S. L., B.S.A. Sask., M.S.A. Instr.

Agricultural Engineering

Young, J. R. W., B.S.A., M.Sc. Sask.

Hd. of Dept., Assoc. Prof.

Leroux, F. C., B.E. Sask., M.Sc. Mo. Assoc. Prof.

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

Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agricultural Mechanics

Young, J. R. W., B.S.A., M.Sc.
Sask.

Hd. of Dept., Assoc. Prof.
Leroux, F. C., B.E. Sask., M.Sc.
Mo. Assoc. Prof.

Coulthard, T. L., B.E. Sask.
Asst. Prof.

Agronomy

Moe, G. G., B.S.A., M.Sc. McG.,
Ph.D. Corn.

Hd. of Dept., Prof.
Laird, D. G., B.S.A. Tor., M.S.,
Ph.D. Wis. (Soils) Prof.

Brink, V. C., Ph.D. Wisc., M.S.A.
Assoc. Prof.

Rowles, C. A., M.Sc. Sask., Ph.D.
Minn. (Soils) Assoc. Prof.

Renney, A., M.S. Calif., B.S.A.
Asst. Prof.

Baker, R. A., 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. Assoc. Prof.

Wood, A. J., Ph.D. Corn., M.S.A.
Assoc. Prof.

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. Asst. Prof.

Marsh, L. C., B.Sc. (Econ.) Lond.,
M.A., Ph.D. McG.

Sp. Lectr.
Davison, K. B., B.Arch. Mani.

Sp. Lectr.
Barratt, H., B.Arch. Mani.

Sp. Lectr.

Thomas, L. A. J. Instr.
Gallagher, H. K., B.Arch. Wash.
Instr.

Bacteriology and Immunology

Dolman, C. E., M.B., B.S., Ph.D.,
D.P.H., F.R.C.P., F.R.S.C.

Hd. of Dept., Prof.
Duff, D. C. B., M.A., Ph.D. Tor.
Prof.

Bismanis, J. E., M.D. Latvia
Asst. Prof.

Stock, J. J., B.S.A. Ont. Agr. Coll.,
M.Sc., Ph.D. McG.

Asst. Prof.
Chang, Helen, M.A. Instr.

Colbeck, J. C., M.B., B.S. Lond.
Lectr.

Moynihan, I. W., D.V.M. Ont.
Vet. Coll., M.Sc. McG. Lectr.

Biology and Botany

Hutchinson, A. H., M.A. McM.,
Ph.D. Chic., F.R.S.C.

Hd. of Dept., 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. Assoc. Prof.

Goranson, E. S., Ph.D. Tor., M.A.
Assoc. Prof.

Pillsbury, R. W., M.A. Asst. Prof.

Krajina, V., D.Sc. Prague
Sp. Lectr.

Allen, Maude, B.S.A., B.A.
Lectr.

Cole, Kathleen, Ph.D. Smith,
M.A. Instr.

Chemistry

Hooley, J. G., Ph.D. M.I.T., M.A.
Prof., Chairman of Dept.

Harris, J. A., Ph.D. Ill., M.A.,
F.C.I.C. Prof.

Schemilt, L. M., B.A.Sc., Ph.D.
Tor., M.Sc. Manit. Assoc. Prof.

Assistant Professors

Kirsch, M., B.Sc., Ph.D. McG.
Bryce, W. A., M.A. Sask., Ph.D.
McG., D.Phil. Oxon.
Daggett, jr., H. M., B.Sc. Qu.,
Ph.D. Brown.
Scott, D. S., M.Sc. Alta., Ph.D.
Ill.

Dunnell, B. A., A.M., Ph.D.
Prin., M.A. Sc.

Reid, C., B.Sc., Ph.D. Lond.

Dutton, G. G. S., M.A. Camb.

Hayward, L. D., B.A. Sask.,
Ph.D. McG.

Lecturers

Tully, J. P., M.B.E., B.Sc. Man.,
Ph.D. Wash., F.C.I.C. (Chem.
Oceanog.) Hon. Lectr.
Starke, K., Dr.Phil. Berl., N.R.C
Res. Associate.
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, L., A.M. Harv., Ph.D. Tor.,
B.A. Assoc. Prof.

Guthrie, P. C. F., B.A. Manit.,
M.A., Ph.D. Tor. Asst. Prof.

DeGroot, A. W., M.A., Ph.D.
Groningen Sp. Lectr.

Carr, H., B.A., LL.D. Tor.
Sp. Lectr.

Commerce, School of

McPhee, E. D., M.M., B.Ed.,
M.A. Edin.

Prof., Dir. of School.

Bell, D. K., B.Com., M.A.
Assoc. Prof.

Assistant Professors

Wong, L. G. J., M.B.A. Calif.,
B.Com.

Gourlay, C. C., B.Com.

Vukelitch, L. M., M.B.A. Wash.

Burke, B. E., M.A. Wash., B.Com.

Fields, D. B., B.Com.

Wilkinson, H. C., B.Com.

Honorary Lecturers

Field, F.

Hickernell, L. N. (Hospl. Admin.).

Abercrombie, W. T., B.A. (Secre-
tarial Sci.).

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, 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.

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.)

Lecturers

The President

(Govt.) Hon. Lectr.

Campbell, G., M.A. Tor., B.A.
(Anthropol.).

Harvey, J. W., B.A.

Borden, C. E., M.A., Ph.D. Calif.

Visiting Prof. (Session 1951-52)

Jenness, D., M.A. N.Z. and Oxon.,
D.Litt. N.Z.

Education, School of

Chant, S. N. F., O.B.E., M.A. Tor.
Actg. Dir. of School.

McIntosh, J. R., B.A., M.Ed. Sask.,
Ph.D. Col.

Prof., Dir. of Summer Sch.

Argue, K. F., B.A. Alta., M.A.
Oxon., D.Ed. Col. Prof.

McLeish, M.A. McG., Ph.D. Corn.
Asst. Prof.

Kirk, J. G., M.A. Wash., B.A.
Lectr. (Session 1951-52).

McLean, Major J. F., D.S.O., B.A.
Lectr. (Session 1951-52).

Carlisle, J. S., B.A., B.Paed. Tor.
Visiting Lectr. 1952-53.

15 Pt.-time Lectrs.

Engineering, Civil

Professors

Muir, J. F., B.Sc. Manit.

Prof., Hd. of Dept.

Finlay, A. H., M.C., M.S. in C.E.
Ill., B.A.Sc.

Hrennikoff, A., 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.Sc. Cal. Tech.,
B.A.Sc.

Associate Professors

de Jong, S. D., M.Sc. Manit.

Heslop, W. G., B.A.Sc. Tor.

Assistant Professor

Bell, H. R., B.A.Sc. (on leave)

Demonstrators

Beley, J. P., B.A.Sc.

Cox, L., B.A.Sc.

Lawson, M. B. M., B.Sc. Glas.

McLellan, R. N., B.A.Sc.

Part-time Lecturers

Alexander, J. B., M.Sc. New Br.

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. (Electr.

E.). 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.

Asst. Prof.

Clement, B. D., B.A.Sc. Instr.

Breeze, J. E., M.A.Sc.

Pt.-time Lectr.

Demonstrators

Koch, D., B.A.Sc.

Niblock, P. A., M.A.Sc.

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., B.A., Ph.D. Tor.
 Steinberg, M. W., B.A. Qu., Ph.D. Tor.
 Baxter, Edna L., A.M. Wash., B.A.
 Somerset, Dorothy, A.B. Radcliffe.

Lecturers

Larsen, T., M.A. Tor., B.A. Oxon., F.R.S.C. Sp. Lectr.
 Smith, Mrs. Marion B., B.A. Tor., Ph.D. Penn.
 Mackenzie, Mrs. M., M.A. Tor.
 Lewis, Mrs. Stella, M.A.
 Robinson, F. W., B.A.
 Hatch, Mrs. J. A., M.A. McG.
 Baker, R., B.A.
 Sandison, J., B.A.
 Miller, C. W., M.A. Sask. Instr.

Forestry, Faculty of

Besley, L., B.S. Corn., M.F. Yale Prof., Dean of Fac.
 Knapp, F. M., B.S.F. Syracuse, M.S.F. Wash. Prof., Dir. of Univ. Forest.
 Allen, G. S., Ph.D. Calif., M.A.Sc. Prof.
 Wellwood, R. W., M.F., Ph.D. Duke, B.A.Sc. Assoc. Prof.
 Griffith, B. G., M.F. Harv., Ph.D. Wash., M.A. Assoc. Prof.

Ker, J. W., M.F. Yale, B.A.Sc. (on leave, Session 1952-53)

Asst. Prof.

Smith, J. H. G., M.F. Yale, B.S.F. Asst. Prof.

Wilson, J. W., M.F. Syr., B.S.F. Asst. Prof.

Taylor, T. M. C., Ph.D. Tor., B.A. Prof. of Bot., Curator of Herbarium and 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.) Prof.

Fenson, K. G., B.Sc.F. Tor.

(Forest Prod.) Hon. Lectr

Schiedel, I. H., B.A.Sc. Res. Forester, Univ. Forest.

1 Pt.-time Lectr.

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. Lectr.

Le Gall, L., L. ès L., L. en Dr. Grenoble Asst. Prof.

Demarcy, H. Lectr.

Jeffels, R. R., B.A. Alta. and Camb. Instr.

Pronger, L., D.Lett. Paris, M.A. Instr.

Gathercole, Patricia M., Ph.D. Calif., M.A. Instr.

Treil, C., Dip. d'Études Sup.

Instr. (Session 1951-52).

Le Gall, Mrs. L., B.A. Alta., M.A. Tor. Pt.-time Lectr.

1 Asst.

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.
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., B.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.

Loulié-Jetter, Mrs. Marianne,
D.Juris. Vienna, Dip. in Soc.
Work Asst. Prof.

Cowie, Mrs. Marian L., A.B.
U.C.L.A., Ph.D. Chic. Lectr.

Harris, Mrs. Josephine, A.B.
Smith, M.A. Instr.

McNeely, J. A., M.A. Calif., B.A.
Instr.

Taylor, Mrs. Pauline, M.A.

Asst. (Session 1951-52)

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
Lectr.

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, Acadia
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.

Assoc. Prof.

Neill, J. W., M.C., B.S.A. Ont.
Agr. Coll. Asst. Prof.

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
Lectr.

*Law**Professors*

Curtis, G. F., LL.B. Sask., B.A.,
B.C.L. Oxon.

Dean of Fac., Prof.

MacIntyre, M. M., B.A. Mt. All.,
LL.M., S.J.D. Harv.

Associate Professors

Kennedy, G. D., M.A., LL.B. Tor.
Bourne, C. B., B.A. Tor., LL.B.
Camb.

Assistant Professors

Westlake, J. R., B.A., LL.B. Alta.
Ballem, J. B., M.A., LL.B. Dal.,
LL.M. Harv.
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.

*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., M.A., Ph.D. Calif.

Moyls, B. J., M.A., Ph.D. Harv.

Nash, W., B.A. Puget Sound,
M.A., Ph.D. Calif.

Hull, T. E., M.A., Ph.D. Tor.

Latta, G. E., Ph.D. Cal. Tech.,
B.A.

Lecturers

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 Aero-
nautical 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.
Dohan, R. B., B.Sc. Sask.

*Medicine, v. infra**Mining and Metallurgy*

Forward, F. A., B.A.Sc. Tor.
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. Manitt., Ph.D.
Lond. (Metall.) Assoc. Prof.
Halpern, J., B.Sc., Ph.D. McG.
Asst. Prof.
Morgan, E. R., B.Sc., Ph.D. Birm.
Res. Assoc.
Evans, H. G. V., B.Sc. Alta.
Res. Assoc.

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.
Capelle, Pauline, M.A. Chic., B.A.,
B.A.Sc.

Horwood, Lorna, B.A. Qu.

Instructors

McCann, Elizabeth K., B.A.,
B.A.Sc.
Duncan, Margaret W., M.S. Chic.,
B.A., B.A.Sc.
5 Pt.-time Lectrs.

Pharmacy, Faculty of

Matthews, A. W., M.Sc., Ph.D.
Alta. Prof., Dean of Fac.

Assistant Professors

Morrison, F. A., B.S.P. Sask.
(Pharm.).
Cox, R. H., Phm.B. Tor., B.S.P.,
M.Sc. Sask. (Pharmaceutical
Chem.).
Halliday, J. E., B.S.P. Sask., M.S.
Purdue (Mat. Med. and Phar-
macol.).
Groves, G., B.Sc. (Pharm.), M.Sc.
Alta. (Pharm.).

Lecturers

Moir, J. G., B.S.P.
Mupsik, H. M., B.S. Rutgers
(Session 1951-52).

*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 Chair-
man 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., B.A. Qu., Ph.D.
Stanford.
Signori, E., B.A. Alta., M.A.,
Ph.D. Tor.

Assistant Professor

Stroll, A., M.A., Ph.D. Calif.

Lecturers

Black, W. G., M.A., Ph.D. Chic., B.A.

Gibson, W. C., M.Sc. McG., Ph.D. Oxon., M.D., C.M., B.A.

Hutton, G. H., M.D., D.P.H. Tor.

Kenny, D., M.A.

Kenny, Mrs. Lucille, B.A. Hunter Coll.

Sampson, D. G., M.A. Tor.

Stanley, R. L., B.Sc., M.A. Wash., Ph.D. Harv. (Session 1951-1952).

Physical Education, School of

Osborne, R. F., B.A., B.Ed.

Assoc. Prof., Dir. of School.

Henderson, 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.

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.

Penn, Marjorie, B.S. Oreg. State Coll.

Bryan, Helen, B.Sc. (Phys. Ed.) McG.

Mitchell, R., B.P.E.

Brown, Mrs. May, B.Sc. (Phys. Ed.) McG. 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., B.A. Sask., Ph.D. Tor.

Cwilong, B. M., Mag. Fil. Warsaw.

Assistant Professors

Blüh, O., Dr. Rer. Nat., D. Phys. Prague, F.I.P.

Koppe, H., Dipl. Ing. Danzig, Dr. Rer. Nat. Berl.

Raudorf, W., B.A., Ph.D. Vienna

Kaempffer, F. A., Dipl. Ing., Dr. Rer. Nat. Gött.

Instructors

Barnes, C. A. McM., M.A. Tor., Ph.D. Camb.

Bowers, F. K., B.A. Camb.

Part-time Lecturer

Clark, R. J., B.A. McG., Ph.D. Camb.

Research Fellows

Flack, F. C., B.Sc. Liv.

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.

Research Associate

Morrish, B.Sc., M.A. Man., Ph.D. Chic.

Poultry Husbandry

- Biely, J., M.S. Kansas State Coll.,
M.S.A. Prof., Hd. of Dept.
March, Mrs. Beryl M., B.A. Instr.
Hicks, A. F., 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.

Isaak, P. D., Cand. Phil. Lenin-
graddeGroot, A. W., M.A., Ph.D.
Groningen.

Lecturer

Carlsen, Irina M., B.A. Staat.
Dipl. Leipzig.

Part-time Lecturers

Dolar-Mantuani, J., Ph.Dpl. Ljub-
ljana (S. Slavonic).

Barbashoff, V. I. (Russian).

Assistant

Edwards, P. M. H., B.A., F.T.C.L.

*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. New Yk.
Sch. of Soc. Work.

Assistant Professors

Johnson, Margaret C., M.S.W.
Wash., B.A.

McCrae, Mrs. Helen, B.A., B.S.W.

Lecturer

Exner, Mrs. Helen, B.A. Varsa,
M.S.S. Smith.

Instructors

Exner, T. L., B.A. Lewis and
Clark.Robinson, Mrs. Phyllis, B.A. Ohio
Wesleyan, M.Sc. W. Reserve.

Field-Work Instructors

Collins, Zella, Dip. Soc. Ser. Tor.

Cunliffe, Muriel, M.S.S. Smith,
B.A., B.S.W.Welty, Elizabeth, B.A. Reed,
M.S.W. Wash.

Whiten, G. A.

8 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. (on leave)

Assoc. Prof.

McSpadden, G. F., M.A. New
Mexico, Ph.D. Stanford

Assoc. Prof.

MacDonald, J. A., M.A.

Asst. Prof.

Edwards, P. M., B.A. Lectr.

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. (on leave, 1952-53).
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. (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.

Lecturers

Bendell, J. F., B.A. Tor.
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

Medicine

Weaver, M. M., A.B. Wheaton,
M.S., Ph.D., M.D. Chic.,
F.A.C.P. Prof., Dean of Fac.

Anatomy

Friedman, S. M., B.A., M.D., C.M.,
M.Sc., Ph.D. McG.

Prof., Hd. of Dept.

Constantinides, P., M.D. Vienna
Asst. Prof.

Friedman, Mrs. Constance L.,
M.Sc., Ph.D. McG.

Res. Assoc. Prof.

Norton, G. I., M.D. Alta. Lectr.
4 Demrs.; 2 Teaching Fellows.

Biochemistry

Darrach, M., Ph.D. Tor., M.A.
Prof., Hd. of Dept.

Associate Professors

Zbarsky, S. H., B.A. Sask., M.A.,
Ph.D. Tor.

Polglase, W. J., Ph.D. Ohio State,
M.A.

Honorary Lecturers

Biely, J., M.S. Kansas St., M.S.A.
Campbell, J. J. R., M.A., Ph.D.,
B.S.A.

Eagles, Blythe, M.A., Ph.D. Tor.,
B.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.

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.

Davidson, G. A., M.D. Man.,
F.R.C.P. Can., F.A.C.P.

Gould, C. E. G., M.D. S. Cal., B.A.
Hatfield, W. H., M.D. Tor.

Williams, D. H., M.D., B.Sc. Man.,
M.Sc. Minn.

Part-time Assistant Professor

Eden, J., M.B., B.S. Durh.

Clinical Instructors

Bagnall, A. M., M.D. Tor., B.A.,
F.R.C.P. Can.

Campbell, C. G., M.D., C.M. McG.,
F.R.C.P. Can.

Christopherson, E. F., B.Sc. Sask.,
M.D. Man., F.R.C.P. Can.

DesBrisay, H. A., M.D., C.M. McG.,
F.A.C.P.

Fahrni, B. M., M.D. Man., 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, J. C., M.D., C.M. McG.
Munroe, D. S., B.Sc. Sask.,
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.

Palmer, R. A., M.D., C.M. McG.,
B.A.

Parnell, J. L., M.B., Ch.B. Edin.,
B.A., F.R.C.P. Can.

Reid, J. A. G., B.A., M.D. Tor.,
F.R.C.P. Can.

Scott, H., B.Sc. Alta., M.D., C.M.
McG.

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.

Whitelaw, D. M., M.D., C.M.
McG., B.A., F.R.C.P. Can.

Instructor

Perry, W. H., M.D. Tor.

Lecturer

Hutton, G. H., M.D., D.P.H. Tor.
2 Demrs.

Neurological Research

Gibson, W. C., M.Sc., M.D., C.M.
McG., D.Phil. Oxon., B.A.

Assoc. Prof., Chairman of
Dept.

Associate Professors

Harvey, J. E., M.A. Alta., M.D.
Tor.

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.

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.

Johnston, F., M.D. Alta., F.R.C.S.,
F.A.C.S.

McDonagh, J. E., M.D. Man.

Pædiatrics

McCreary, J. F., M.D. Tor.

Prof., Hd. of Dept.

Paterson, D. H., B.A. Man., 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.

Hardymont, A. F., M.D. Man.

James, E. S., M.D. Tor.

Lamont, G. A., M.B. Tor., M.D.
Man.

Matthews, G. O., M.D., C.M. McG.,
M.D. Man.

Spohn, P. 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, H., M.B. Tor., F.R.C.P.
Can.

Clinical Instructors

Baker, H., M.D. Tor.

Campbell, K. A., M.D., C.M. McG.

Gayman, G. R., B.A., M.D. Tor.

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.

Pathology

Boyd, W., M.D. Edin. and Oslo,
 LL.D. Sask., D.Sc. Man.,
 F.R.C.P., F.R.C.S. Can.
 Prof., Hd. of Dept.

Part-time Assistant Professors

Fidler, H. K., M.D., B.Sc. Man.
 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 Demr., 1 Teaching Fellow, 1
 Asst. 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.

Goranson, E. S., Ph.D. Tor., M.A.
 Sp. Lectr.

1 Demr., 1 Teaching Fellow.

Public Health

Mather, J. M., M.D., D.P.H. Tor.
 Prof., Hd. of Dept.

Honorary Lecturer

Amyot, G. F., M.B., D.P.H. Tor.

Lecturers

Adams, J. R., M.Sc., Ph.D. McG.
 Elliot, G. R. F., M.D., C.M. McG.,
 D.P.H. Tor.

Spencer, G. J., B.S.A. Tor., M.S.
 Ill.

Murray, S. S., M.D. Tor., D.P.H.
 Tor.

14 Pt.-time Lectrs.

Surgery

Robertson, H. R., B.Sc., M.D.
 McG., F.R.C.S. Eng. and Can.
 Prof., Hd. of Dept.

McKenzie, A. D., M.D. Alta.,
 F.R.C.S. Can.

Asst. Prof., Exec. Officer.

Clinical Associate Professors

Sargeant, T. R., M.D. Tor., B.A.,
 F.R.C.S. Eng. and Can.

Balfour, J. A., M.D. Alta., F.R.C.S.
 Can.

Neilson, J. R., M.B. Tor., F.A.C.S.
 Patterson, F. P., M.D., C.M. McG.,
 F.R.C.S. Can., F.A.C.S.

Turnbull, F. A., M.D. Tor., B.A.

Clinical Assistant Professors

Harrison, W. E., M.D. Man.

Henry, A. T., M.D. Tor., F.R.C.S.
 Ed.

Huggard, L. H. A. R., M.D. Tor.

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, J. D. F., M.D., C.M.
 McG., F.R.C.S. Can.

Cameron, S. A., M.D., Ch.M. Man.,
 M.S. Minn., F.R.C.S. Can.

Austin, W. E., M.D. Man., F.R.C.S.
 Ed., F.A.C.S., F.R.C.S. Can.

Battle, C. E., M.D., C.M. McG.

Davidson, J. R., M.D., C.M. McG.,
 B.A.

Elliot, J. A., M.D. Tor., F.R.C.S.
 Ed., F.A.C.S., F.R.C.S. Can.

Evans, A. M., M.D., C.M. McG.,
 D.M.R.E. Camb.

Fahrni, W. H., M.D. Man.,
 F.R.C.S. Ed., F.R.C.S. Can.

- Ganshorn, J. A., M.D. Man., M.S. Minn.
 Gillespie, H. S., M.D. Tor., F.R.C.S. Can.
 Grauer, F. W., M.D., C.M. McG., B.S.A., F.R.C.S.Ed. and Can., F.A.C.S.
 Johnston, G. C., B.A., M.D. Alta., F.R.C.S. Can.
 Manson, A. B., M.D., C.M. McG.
 Morton, W. A., M.B., Ch.B., F.R.C.S.Ed.
 Murray, D. F., B.A., M.D., C.M. McG.
 McFetridge, S. A., M.D. Man., F.R.C.S.Ed.
 McKechnie, R. E., M.D., C.M. McG.
 Naden, J. R., M.B. Tor.
 Preston, F. C., M.D., B.Sc. Tor., F.R.C.S. Can.
 Starr, D. E., M.D. Tor., F.A.C.S.
 Sutherland, W. H., M.D., C.M. McG., F.R.C.S. Can.
 Thomson, F. B., B.A., M.D. Tor., F.R.C.S. Can.
 Wilson, R., M.D., C.M. McG., F.R.C.S. Can.
- University Extension**
 Shrum, G. M., O.B.E., M.M., M.A., Ph.D. Tor., F.R.S.C. 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., B.S.W. Supervisor Study Groups.
 Lowes, B. G., B.P.H.E. Tor., M.A. N.Y. (Phys. Educn.) Lectr.
- Perrault, E. G., B.A. Asst. to Pres. and to Dir. of U.E.
 Cross, Eileen, B.Sc. in H.Ec. Manit. (Home Econ.) Supervisor
Instructors
 Robinson, C. (Arts and Handicrafts).
 Des Champs, A., B.S.A. Manit. (Agric.).
 Keys, Margaret M., B.A. Tor. (Home Econ.).
 Keatley, P. W., B.A.
- University Health Service**
 Cunningham, G. T. Univ. rep. on Metropol. Health Cttee.
 Young, A. K., M.B., Ch.B. Glas. Dir., Univ. Health Service.
 Murray, S., M.D., D.P.H. Tor. Chief Medical Health Officer, Metropol. Health Cttee.
 Gundry, C. H., M.D. Tor. Psychiatrist, Metropol. Health Cttee.
Public Health Nurses
 Upshall, Muriel, B.A.Sc. Nursing Supervisor.
 Ross, Ruth, B.A.Sc.
 Ladner, Dorothy, B.A.Sc.
 Read, Joyce, B.A.Sc.
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.
 Craik, S. G., B.A. Asst. Counsellor.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Summer Session : J. R. McIntosh, B.A., M.Ed. Sask, Ph.D. Col.
 Asst. to Dean of Women : Marjorie Leeming, B.A. Sr. Don, Mary Bollert
 Hall : Katherine Brearley, M.A. ; Jr. Don, Isabel MacInnes Hall : Margaret
 Shuley, B.A. ; Jr. Don, Anne Westbrook Hall : Nora Neilson, M.S.A. Housing

Administrator : A. R. Baird. Purchasing Agent : H. A. LeMarquand.
 Accountant : W. White. Supt. of Bldgs. and Grounds : J. D. Lee.

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., Vice-Principal, Assoc. Prof. of French and Actg. Principal. 6 Assoc. Profs., 11 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. Tor., Ph.D.

ANGLICAN THEOLOGICAL COLLEGE OF BRITISH COLUMBIA, Vancouver, B.C. (*Telephone* : Alma 0440.) Affiliated, 1922. Principal—Rev. K. E. Taylor, O.B.E., M.A. Oxon., B.D. Western, D.D.

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 instrcn. 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. 658.

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 ; the Buttimer collection of Indian baskets ; the Mitchell Pierce collection of Eskimo clothing and utensils ; and numerous other valuable collections. (2) The Geological and Geographical Museum in the Forestry and Geology Bldg. (3) The Zoological Museum in Biological Sciences Bldg. (4) The Botanical Collections and Herbarium.

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. Double courses, B.A. and B.S.A., B.A. and B.A.Sc., B.A. and LL.B., B.A. and B.H.E., B.A. and B.S.P., and B.P.E., 6-7 yrs. B.Com. and LL.B., 7 yrs. B.A. and B.Arch., 8 yrs. LL.B., 3 yrs. (from 2nd yr. in Arts and Sci.). B.S.P., 4 yrs. M.A., M.A.Sc., M.S.A., M.F. and B.S.W., 1 yr. 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 ; Community and Regional Planning ; Teaching Training ; Hospl. Admin.

SUMMER SESSION. In July and Aug., courses for credit toward 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. This Dept. 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, thanks to facilities supplied 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 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 Westbrook Scholp., \$125; Dr. F. J. Nicholson Scholps. (1) for Chem., \$500, (2) for Geol., \$500; two B'nai B'rith District No. 4 Hillel Foundation Scholps., ea. \$125; Standard Oil Co. of British Columbia Ltd. Fellowship, \$950; Powell River Co. Ltd. Scholp., \$700; British Columbia Electric Rly. Co. Ltd. Research Scholp., \$500; Britannia Mining and Smelting Co. Ltd. Scholp., \$250; 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 general executive 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.

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.

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 enrolls in the Univ. Members are elected every spring to hold office through the next yr.

RESIDENCE. Board and lodging in vicinity of the Coll. 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 Bolland Hall; Isabel MacInnes Hall; Anne Westbrook Hall. Accom. for 52 women in each Hall. Fees: \$396 per session for single rooms, \$382 per session for double rooms.

HEALTH SERVICE FOR STUDENTS. Each student on admission is given complete physical examn., including tuberculin skin test and chest X-ray. Before participation in athletics all women students are annually medically examined and men students are checked as to physical fitness for participation in strenuous athletics. A scheme for the control of communicable diseases and the following up of defects is in operation and first-aid is rendered by a full-time public health nurse. The Medical Officer is available at specified hours for consultation.

PUBLICATIONS. *Requirements for Matriculation*; *Calendar* (April); Summer Session *Announcement of Courses*, Lecture Series; *President's Report*. (No charge is made for any of these publicns.)

THE YEAR 1950-51

BENEFACTIONS. \$559,931.65.

NEW BUILDINGS. 3 Women's Residences; Bacteriol. and Medical Services Bldg.

NEW SCHOOLS. Educn., Nursing, Home Econ.

RETIREMENT. E. H. MORROW.

RESIGNATIONS. W. Grierson-Jackson, H. C. Haines, W. R. Luyendyk, L. M. Markhart, Dr. E. V. White, Barlene Rosa, Jean Travis, R. J. Boroughs, J. Ferrell, Mary Forbes.

DEATHS. A. MacLucas; Col. F. A. Wilkin.

HONORARY DEGREES. *D.Sc.*—J. B. Collip, Dean, Fac. of Med., Ont. U., Dir., Med. Res. Div. of Canada's Nat. Res. Council; R. F. Farquharson, Prof. of Med., Tor. U., Pres. of Canada's Royal Coll. of Physicians and Surgeons. *D.Sc.*—G. S. Avery, Dir., Brooklyn Botanical Gdns., teacher, author and administrator; G. S. Dymond, Dir. Ont. Museum of Zool., and Hd., Dept. of Zool., Tor. U. *LL.D.*—W. B. Hutchison, author and journalist, ed. of *Victoria Times*; Isabel S. MacInnes, Prof. Emer. of German, Brit. Col. U.; R. J. Bunche, United Nations mediator in Palestine, scholar, teacher, administrator and statesman, winner of Nobel Prize; Sir A. Clutterbuck, H.M. High Commissioner for the U.K. in Canada; Hon. M. F. Gregg, formerly Pres. New Br. U., Minister of Labour in the Canadian Cabinet; Hon. S. W. Woodward, U.S. Ambassador to Canada.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	51	4879
Women	22	1480
Total	73	6359

Included in the above are 729 postgraduate students and 1738 first-year admissions.*

DEGREES. *Agric.*: B.S.A., 67. *Appl. Sc.*: B.A.Sc., 341; B.Arch., 18; B.S.N., 9. *Arts and Science*: B.A., 650; B.Com., 82; B.Ed., 39; B.H.E., 52; B.P.E., 37; B.S.W., 83; M.S.W., 15. *Forestry*: B.S.F., 69. *Graduate St.*: M.A., 81; M.A. Sc., 18; M.S.A., 17; Ph.D., 2. *Law*: LL.B., 111. *Pharmacy*: B.S.P., 65.

* Full-time only.

CARLETON COLLEGE

Founded 1942. Incorporated as the Ottawa Association for the Advancement of Learning, 1943 ; as Carleton College, 1952.

Postal Address : Ottawa, 1, Ont.

Telephone : 5-5161.

PRESIDENT—MURDOCH MAXWELL MACODRUM, B.A. Dal., M.A. McG., Ph.D. Glas.

DEAN—JAMES ALEXANDER GIBSON, B.A. Br. Col., B.A., B.Litt., D.Phil. Oxon.

REGISTRAR—EDWARD FLETCHER SHEFFIELD, M.A. McG., Ed.D. N.Y.

BURSAR—FREDERICK JAMES TURNER, B.Com., M.A. Tor.

LIBRARIAN—HILDA G. GIFFORD, B.A., B.L.S. McG.

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,
F.R.E.S. Assoc. Prof.
Illman, W. I., B.A., M.Sc. W. Ont.
Asst. Prof.
Turnau, E. A. O., M.Sc. McG.
Lectr.

Hochster, R. M., B.Sc. Sir G.
Wms., Ph.D. McG.
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.
Asst. Prof.

Laughton, P. M., B.A. Tor., M.Sc.
Dal., Ph.D. Wis. Asst. Prof.
Rabbitts, F. T., B.Sc. McG.
Sessl. Lectr.

Klee, G., B.S. Polytechnic Inst. of
Brooklyn, M.S. Purdue
Demr.

Classics

Shepherd, D. M., M.A. Qu.
Asst. Prof.

Sessional Lecturers

Showman, W. H., M.A. Qu.
Sweeney, Agnes C., B.A. Qu.

Commercial Law

Corlett, M. E., B.A. Tor.
Sessl. Lectr.

Economics

Gordon, H. S., B.A. Dal., A.M.
Col. Asst. Prof.
English, H. E., B.A. Br. Col.
Lectr.

Sessional Lecturers

Duffett, W. E., B.Com. Tor.,
M.Sc. (Econ.) Lond.
Watts, G. S., M.A. Qu.
Westbrook, E. C. J., B.A. Sir G.
Wms., M.A. Tor.

Engineering

Stedman, E. W., C.B., O.B.E.,
F.R.Ae.S. Asst. Prof.

Sessional Lecturers

Gamble, R. B., B.Sc. McG.
Tackaberry, S. G., C.B.E., B.A.Sc.
Tor.
McDonald, R. C., B.A.Sc. Tor.

*English***Assistant Professors**

Beattie, A. M., B.A. Tor., A.M.
Col.
Johnston, G. B., M.A. Tor.

Lecturers

MacOdrum, M. M., B.A. Dal.,
M.A. McG., Ph.D. Glas.
Wood, G. J., M.A. Tor.

Sessional Lecturers

Chamberlin, Mrs. Dorothy, M.A.
McG.
Malloch, A. E., B.A. Qu., M.A.
Tor.

Assistants

Phillips, Mrs. Mary A., M.A. Tor.
Strutt, Mrs. Audrey E., B.A. Tor.

*Fine Arts***Sessional Lecturers**

Hubbard, R. H., B.A. McM.,
A.M., Ph.D. Wis.
Milligan, C. H., Mus.Bac. Tor.
Wood, T. C.
Dale, W. S. A., M.A. Tor.

*French***Assistant Professors**

Young, J. P., B.A. Qu., D. ès L.
Bordeaux.
Tassie, J. S., B.A. McM., M.A.
Tor.

Sessional Lecturers

MacDonald, Mrs. Helen R., B.A.
Tor.
Gascon, A., M.A., Ph.D. Ott.,
B.Paed. Montr.
DuVernet, G. S., B.A. K.C.N.S.,
M.A. St. F. X. and Tor.

*Geography***Sessional Lecturers**

Watson, J. W., M.A. Edin.,
Ph.D. Tor.
Watson, Mrs. Jessie W., M.A.
Edin.

*Geology***Sessional Lecturers**

Alcock, F. J., B.A. Tor., Ph.D.
Yale, F.R.S.C., F.G.S.A.
Wilson, M. E., 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.

German

Hoff, R., Dr.jur. Bres.
Sessl. Lectr.

History

Gibson, J. A., B.A. Br. Col., B.A.,
B.Litt., D.Phil. Oxon. Prof.
Farr, D. M. L., B.A. Br. Col.,
M.A. Tor. Asst. Prof.
Couse, G. S., B.A. McM. (on leave
1952-53) Lectr.

Sessional Lecturers

McQueen, J. M., M.A. Tor.
Czako, S. A., M.Com., Dr.rer.pol.
Budapest, Dip. Int. Law
Harv.
Grantham, R., M.A. Br. Col.
Labarge, Mrs. Margaret W., A.B.
Radcliffe, B.Litt. Oxon.

Journalism

Eggleston, W., M.B.E., B.A. Qu.,
F.A.G.S. Prof.
Kesterton, W. H., B.A. Qu., B.J.
Lectr.

Leechman, J. D., B.Sc. St. Patrick's, M.A., Ph.D. Ott.

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.

Assoc. Prof.

Mayne, J. W., B.Sc., M.A. Acad., M.Sc. Brown (on leave 1952-1953) Asst. Prof.

Sessional Lecturers

Keyfitz, N., B.Sc. McG.

Enns, J. G., M.A. McM.

Rentner, L. W., B.A. Tor.

Wilson, R. F., B.A. Qu.

Stanton, R. G., B.A. W. Ont., M.A., Ph.D. Tor.

Simple, R. J., M.A. Tor.

Donnelly, T. G., M.A. Qu.

Powell, B. A., D.Phil. Oxon.

Walter, J. R., B.A. Tor.

Philosophy

Jonas, H., Ph.D. Marburg

Assoc. Prof.

McKeown, C. G. S., M.A. Tor. and Prin. Asst. Prof.

Huggett, W. J., M.A. Tor.

McDonald, Mrs. Virginia A., B.A. Asst.

Physics

Munn, A. M., B.Sc. Qu., M.Sc., Ph.D. McG. Assoc. Prof.

Love, G. R., M.A. W. Ont., Ph.D. Tor. Asst. Prof.

Cole, T. J. S., B.Sc. (Eng.) Lond., B.Sc. Lectr.

Ghosh, A. C., M.Sc. Calc.

Political Science and Public Administration

Assistant Professors

Fox, P. W., M.A. Tor.

Rowat, D. C., B.A. Tor., A.M., Ph.D. Col.

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.

Phillips, R. A. J., B.A. Tor.

Psychology

Wake, F. R., B.A., Ph.D. McG.

Asst. Prof.

Sessional Lecturers

Dunlop, Florence S., B.A. Qu., A.M., Ph.D. Col.

Whitworth, F. E., B.A. Sask., A.M., Ph.D. Calif.

Dawe, J. F., B.Sc., B.Ed. Sask., A.M. Col.

Cook, T. W., M.A. Acad., Ph.D. Yale.

Wendt, R. A., B.A. Alta., M.A. McG.

Hoyt, Ruth, B.S. Boston, M.A., Ph.D. McG.

Mooney, C. M., B.A. Sask., M.A. McG.

Public Law

Henderson, G. F., B.A. Tor.

Sessl. Lectr.

Russian

Sessional Lecturers

Lalkow, D. I., M.D. Moscow.

Bohatirchuk, F. P., M.D. Kiev.

Sociology

Porter, J. A., B.Sc. (Econ.) Lond. Lectr.

MacNeish, Mrs. June H., Ph.B., A.M. Chic. Sessl. Lectr.

Spanish

Plaskacz, B., Lic.phil.litt. Madrid 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., A. Spratt, B.A. Sask., B.L.S. McG. Accountant: R. M. Walters. Dir. of Athletics: N. D. Fenn, B.Sc., 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. The Coll. operated in rented quarters until 1946, when it acquired a bldg. of its own. Subsequently, a students' union and a library were added. In 1952 the Legislative Assembly of the Province of Ontario passed *The Carleton College Act*, enlarging and specifying the Coll.'s university powers.

CONTROL AND SUPPORT. The Coll. is non-denominational, co-educational, privately controlled. It is financed by tuition income, private subscriptions, and provincial and federal grants.

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 add. 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,

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 dipl. 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, \$240, plus \$15 lab. fee for each course involving lab. work; Engin. \$330. Misc. fees, addtl., \$22-23. Evening Division: \$48 per subject, plus \$15 lab. fee for each course involving lab. work. Misc. fees, addtl. per subject, \$2. Extension courses: \$5 to \$20 each.

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. Near by is a three-storey students' union and a recreation building which provide accomm. for Students' Association offices, *The Carleton* (student weekly newspaper), reading rooms, games rooms, dark-rooms, radio broadcasting rooms, club rooms, and a student lounge. Athletic activities are carried on in the gymnasium and playing fields of Lansdowne Park, about six blocks from the College. Completed in 1951, a new library building provides study space for 200 students at one time and will accomm. 40,000 vols. There are now 21,000 vols. in the library.

MILITARY TRAINING. Preparation for commissioned rank in the active or reserve forces of the Royal Canadian Navy or the Canadian Army is made possible by membership in the University Naval Training Division or the Canadian Officers' Training Corps. 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—the annual *Calendar*. By the Students' Association—*The Carleton*, weekly newspaper; *The Raven*, annually; *Directory of Students*, annually.

THE YEAR 1950-51

BENEFACTIONS. Trustees of Ottawa Ladies' Coll., \$100,000; Pledges to Carleton Coll. Development Fund, \$306,840 (payments during yr., \$197,470).

NEW BUILDINGS. Library providing study space for 200 students at one time and accomm. for 40,000 vols.

NEW DEPARTMENT AND POST. 1st course in Astron.; 1st full-time appt. in Sociol.

MAJOR CURRICULAR CHANGE. Course leading to specific hons. degree in Biol. added.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	386	332
Women	278	129
Total	664	461

Included in the above are no postgraduate students and 186 first-year admissions of full-time students. Extension course students numbered 465 in addition.

DEGREES. B.A., 61 ; B.Sc., 23 ; B.Com., 7 ; B.J., 12 ; B.P.A., 2.

DIPLOMAS. Dipl. in Engin., 22.

DALHOUSIE UNIVERSITY†

Founded 1818

With which is affiliated King's College

Postal Address : Halifax, Nova Scotia.

Telephone : Registrar : 3-7494.

CHAIRMAN OF THE BOARD OF GOVERNORS—Lt.-Col. K. C. LAURIE,
D.C.L. K.C.N.S.

PRESIDENT OF THE UNIVERSITY—ALEXANDER E. KERR, B.D. Union
Sem., N.Y., D.D. United Coll., Acad. and Glas., LL.D. Mt. All.
and New Br., B.A.

REGISTRAR AND EXECUTIVE ASSISTANT TO THE PRESIDENT—H. L.
SCAMMELL, M.D., C.M.

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., F.R.S.S.
Af., F.R.S.A. Campbell Prof.
Barnbrook, D. H., M.B., Ch.B.
Birm., F.R.C.S. Assoc. Prof.
Corliss, C. E., B.S. Vermont, M.S.
Mass., Ph.D. Brown (Micro-
Anat.) Asst. Prof.

Instructors

Nichols, Roberta B., B.A., M.D.,
C.M.
Loder, P.

Demonstrators

Graham, J. V., M.D., C.M.,
F.A.C.S.
Roberts, Maureen H., M.B., Ch.B.
Edin.

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.

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

* Also member of Fac. of Grad. Studies.

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.
Black Prof.
Berman, W., B.Com. McG.
Assoc. Prof.
Churchill-Smith, H., M.C.
Sp. Lectr.

Dentistry, v. infra

Economics and Sociology

*Maxwell, W. R., M.A. Harv., B.A.
Prof. (K.).
Prince, Rev. S. H., M.A. Tor.,
Ph.D. Col., D.D. Wycliffe
Prof. (K.).
Graham, J. F., B.A. Br. Col., A.M.
Col. Asst. Prof.

Education

Mowat, A. S., M.A., B.Ed. Edin.
Prof.

Engineering

Theakston, H. R., B.Sc. (Mining)
N.S.T.C. Prof.
Bowes, W. H., B.E. N.S.T.C.
Assoc. Prof.
Chisholm, A. F., B.E. N.S.T.C.
Asst. Prof.

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. Asst. Prof.

Fine Arts

Mackay, D. C. Sp. Lectr.

Fisheries

Beatty, S. A., M.A. Qu., Ph.D.
McG. (Biochem.) Assoc. Prof.
Castell, C. H., M.S.A. Tor. (Bac-
teriol.) Sp. Lectr.

Geology

*Douglas, G. V., M.C., M.Sc. McG.,
F.G.S., F.G.S.A., F.R.S.C.
Carnegie Prof.
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. Qu., Ph.D.
Harv., F.R.S.C.
Dean, Arts and Sci.,
Munro Prof.
Walker, Rev. A. S., M.A. Leeds
and Birm., B.Litt. Oxon.,
D.D. Qu., LL.D. Prof. (K.).
*Harvey, D. C., M.A. Oxon., B.A.,
LL.D., F.R.S.C. (Can. Hist.)
Lectr.
Waite, P., M.A. Tor. Lectr.

Law, v. infra

Mathematics

*Adshead, J. G., M.A. Camb. Prof.
*Walmsley, C., M.A. Camb. Prof.
MacLennan, I. A., B.Sc. Lond.
Lectr. (K.).

Medicine and Surgery, v. infra

Modern Languages

*Chavy, P., Ag. des L. Paris
(French) Prof.
*Mercer, C. H., M.A., B.Com.
Manc. (French and Spanish)
Prof.

(K.) = King's College.

* Also member of Fac. of Grad. Studies.

Smith, H. D., Ph.D. Laval, M.A.
(French) Assoc. 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.

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.
Tor. Asst. Prof.

Physics

*Johnstone, J. H. L., O.B.E.,
Ph.D. Yale, M.Sc.
Munro Prof.
*Archibald, W. J., Ph.D. Vir-
ginia, M.A., F.R.S.C.
(Math. Physics) Prof.
Guptill, E. W., B.Sc. Acad., M.Sc.
W. Ont., Ph.D. McG.
Assoc. Prof.
Blanchard, J. E., M.Sc. Tor.,
B.Sc. (Geophysics) Lectr.

Physiology

*Weld, C. B., M.A. Br. Col., M.D.
Tor. Prof.
Kaplan, J. G., A.B. C.C.N.Y.,
M.A., Ph.D. Col. Asst. Prof.

Political Science

*Aitchison, J. H., B.A., B.Ed.
Sask., B.Sc. Lond.
Dennis Prof.
*Fraser, C. F., LL.M. Harv.,
M.A., LL.B. Sp. Lectr.

Psychology

*Page, F. H., M.A. Tor.
Prof. (K.).
*Welch, Mrs. Louise M., B.A. New
Br., B.Ed. Edin., Ph.D. Yale
Prof.

Public Affairs

*Fraser, C. F., LL.M. Harv., M.A.,
LL.B. 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.
Macneil, D. B., D.D.S. Demr.
Caldwell, G. W., B.Sc., D.D.S.
Demr.

Children's Dentistry

McGuigan, J. P., D.D.S.
Assoc. Prof.

Crown and Bridge Work, etc.

Chudleigh, G. A., D.D.S. Balti-
more Col. Dent. Surg. Prof.
Dewis, G. M., D.D.S. Asst. Prof.
Merritt, J. E., D.D.S. Lectr.

D. Anatomy, etc.

McGuigan, J. P., D.D.S. Lectr.

*D. History, Jurisprudence,
Ethics, and Economics**Lecturers*

Woodbury, W. W., B.Sc., D.D.S.
Phila. Dent. Col.
Bissett, F. W. M., B.A., LL.B.
Crosby, H. S., D.D.S.
Kerr, K. M., D.D.S.

D. Pathology and Therap.

Haverstock, A. B., D.D.S., B.Sc.
(Dent.) Tor. Assoc. Prof.
Pentz, D. G., D.D.S. Lectr.

Dentistry

Bagnall, J. S., D.D.S.,
F.D.S.R.C.S., F.I.C.D.
Dean of Dent., Prof.

(K.)=King's College.

* Also member of Fac. of Grad. Studies.

Exodontia

Croft, O. L., D.D.S. Tor. Prof.

Operative D.

Crosby, H. S., D.D.S.

Assoc. Prof.

Eaton, D. C., B.Sc. Acad., D.D.S.
Lectr.

Demrs. in Operative Infirmary

Archibald, L. J., D.D.S.

Christie, P. S., D.D.S.

Crosby, H. S., D.D.S.

Dewis, G. M., D.D.S.

Eaton, D. C., B.Sc. Acad., D.D.S.

Pentz, D. G., D.D.S.

Dexter, C. E., B.Sc., D.D.S.

Dexter, E. F., D.D.S.

Eaton, H. M., D.D.S.

Ervin, A. H., D.D.S.

Kerr, K. M., D.D.S.

McGuigan, J. P., D.D.S.

Merritt, J. E., D.D.S.

Vaughan, J. R., D.D.S.

*Oral Surg., Anæsth. and Physical
Diagnosis*

Croft, O. L., D.D.S. Prof.

Noble, J. A., B.A. Acad., M.B.,
Ch.B., F.R.C.S.Ed.

Assoc. Prof.

Mackinnon, C. G., B.A., M.D.,
C.M. Lectr.*Orthodontics*

Woodbury, W. W., B.Sc., D.D.S.

Phila. Dent. Coll. Prof.

Christie, P. S., D.D.S. Lectr.

Pre-School Age Clinic

Goldberg, L. S., D.D.S. Demr.

Prosthetic D.

Dewis, G. M. Assoc. Prof.

Lecturers

Pentz, D. G., D.D.S.

Kerr, K. M., D.D.S.

Caldwell, G. W., B.Sc., D.D.S.

Radiology

Eaton, H. M., D.D.S. Prof.

Law

*Administrative Law*MacLeod, F. N., M.A. St. F. X.,
LL.B. Lectr.*Agency, Property II*Carrothers, A. W. R., B.A., LL.B.
Br. Col., LL.M. Harv. 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., B.A.
Acad., LL.M., S.J.D. Harv.,
D.C.L. Acad., LL.B.
Dean of Fac.*Constitutional Law*MacDonald, Hon. V. C., LL.D.
St. F. X., J.U.D. Br. Col.,
B.A., LL.B. Lectr.*Constitutional Law, Jurispru-
dence, 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.*Equity I, History of English
Law, International Law,
Labour Law*Hendry, J. M., LL.M. Harv. and
Mich., B.A., LL.B. Asst. Prof.*Equity II*Cooper, A. G., B.A., B.C.L. Oxon.,
B.Com. Lectr.*Evidence*MacQuarrie, Hon. J. H., B.A.
Acad., LL.B. Lectr.

* Also member of Fac. of Grad. Studies.

Insurance

Ritchie, R. A., Q.C., B.A. Oxon.
and Dal. Lectr.

Legal Accounting

Berman, W., B.Com. McG. Lectr.

Mortgages

Coffin, T. H., Q.C., B.A., LL.B.
Lectr.

Procedure I and II

Hanway, J. A., Q.C., LL.B.
Lectr.

MacKeigan, I. M., M.A. Dal. and
Tor., LL.B. Lectr.

*Property I and II, Procedure II,
Municipal Corporations*

Murray, R. G., LL.M. Harv., B.A.,
LL.B. Bennett Prof.

Shipping

Smith, F. D., Q.C. Lectr.

Taxation

Ilsley, Rt. Hon. J. L., B.A. Acad.,
LL.D. McG., Qu. and McM.,
D.C.L. Acad., LL.D. Lectr.
Covert, F. M., Q.C., B.A., LL.B.

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.

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.
Asst. Prof.

Harlow, C. M., B.Sc. Acad.,
Ph.D., M.D., C.M. McG.
Lectr.

Dermatology, v. p. 690*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

Schwartz, H. W., M.D., C.M.,
F.A.C.S., F.R.C.S. Can. Prof.

Stoddard, R. H., M.D., C.M.,
F.A.C.S. Assoc. Prof.

Assistant Professors

Doull, A. E., M.D., C.M.

Kirkpatrick, H. W., M.D., C.M.

MacRae, D. M., B.Sc., M.D., C.M.

Demonstrator

Holland, L. G., B.A., M.D., C.M.

Gynæcology, v. Obst.*Histology and Embryology*

Saunders, R. L. de C. H., M.D.,
Ch.B. Edin. (Struct. Neurol.)

Prof.

Corliss, C. E., B.S. Vermont, M.S.
Mass., Ph.D. Brown

Asst. Prof.

Hospital Administration

Bethune, C. M., M.B.E., B.Sc.,
M.D., C.M. Prof.

*Medical Jurisprudence and Toxi-
cology*

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.

Tory Prof.

*Hoffman, M. M., B.A. Mt. All.,
Ph.D., M.D., C.M. McG.,
M.Sc. Res. Prof.

Associate Professors

Skinner, N., M.D., C.M. McG.
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.

Lecturers

Scammell, H. L., M.D., C.M.

Aikens, R. L., B.Sc., M.D., C.M.,
F.R.C.P.Can.

Read, H. C., M.D., C.M.

Campbell, A. B., M.D., C.M.

Morton, A. R., M.D., C.M.

Moya, F. J., B.Sc. Laval (Exper.
Med.).

Clinical Instructors

Gosse, Margaret, B.A., M.D., C.M.
McG.

Demr. in Clin. Medicine

Dyer, W. J., B.Sc., M.D., C.M.

Murray, W. A., M.D., C.M.

Morse, W. I., 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.

Grant, K. M., B.Sc., M.D., C.M.

Demonstrators

Lawson, Jean M., B.A., B.Sc.,
M.D., C.M.

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 Professors

Fodden, J. H., M.D. Leeds

Markle Fellow.

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

Adilman, B., B.A. Sask., M.D.
Alta.

Golfman, A. W., B.Sc. Manit.

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.

Lecturers

Roberts, Maureen H., M.B., Ch.B.
Edin., D.P.H. Lond.

Ritchie, R. M., M.D., C.M.

* Also member of Fac. of Grad. Studies.

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 Lectr.

Demonstrators

Cooke, J. E., B.Sc.
MacKnight, Jessie I.
Murray, W. A., M.D., C.M.

Preventive Medicine

Grant, H. G., M.D., C.M.
Dean of Med., Prof.

Assistant Professors

Mackenzie, D. J., M.D., C.M.,
F.R.C.P.Can.
Beckwith, C. J. W., D.P.H. Tor.,
B.A., M.D., C.M.
Morton, A. R., 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

Leslie, W., M.D. Manit., F.R.C.P.
Can.
Tyhurst, J., B.Sc., M.D., C.M.
McG.

Crook, A. J., B.A., M.S. W. Tor.

Instructor

Lawrence, Jessie, B.A. Mt. All.

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.

Lecturers

Smith, R. L., M.D., C.M. McG.

Loder, P. G., M.D., C.M.

Surgery and Clin. Surgery

Curry, W. A., M.D., C.M. McG.,
B.A., F.R.C.S. Prof.

Associate Professors

Skinner, G. F., M.D., C.M. McG.,
F.R.C.S. Ed. and Can.,
F.A.C.S.
Kinley, C. E., M.D., C.M., F.A.C.S.,
F.R.C.S.Can.
Mader, V. O., M.D., C.M. McG.,
F.R.C.S.Can.
Gosse, N. H., M.D., C.M., F.A.C.S.,
F.R.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.
Acker, T. B., M.D., C.M.
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.
(Orthopædics).
House, W. K., M.D. Manit.,
F.R.C.S. Ed.

Lecturers

Pollett, W. E., B.A., M.D., C.M.,
F.R.C.S. Ed. and Can.
Nonamaker, E. P., M.D., C.M.,
F.R.C.S.Can.
Coady, B. K., B.A., M.D., C.M.,
F.A.C.S.
Bethune, G. W., B.Sc. Acad.,
M.D., C.M., F.R.C.S.Can.

* Also member of Fac. of Grad. Studies.

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.
Asst. Prof.

Demonstrators

Reardon, C. H., M.D., C.M.

MacGregor, I. H., B.Sc., M.D.,
C.M.

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.

Medical Museums

Saunders, R. L. de C. H., M.B.,
Ch.B., M.D. Edin. Director.

Graduate Studies

(For other members of Fac., *see*
under sep. subjects, supra)

Johnstone, J. H. L., O.B.E., Ph.D.

Yale, M.Sc. (Physics)

Dean of Fac. and Munro
Prof.

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. (Bio-
chem.) Sp. Lectr.

* Also attached to Fac. of Arts and Sci.

ADMINISTRATIVE AND OTHER STAFF

Dir., Inst. of Public Affairs : C. F. Fraser, LL.M. Harv., M.A., LL.B.
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 Dent. : 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 : Librarian, Med. and Dent. Library : Charlotte S. Allen,
B.L.S. Tor., B.A. Dirs., Phys. Educn. for Men : K. V. King, M.Ed. Spring-
field ; 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. 694.

PINE HILL DIVINITY HALL, Halifax. (*Telephone* : 3-6939.) Classes and
exams. in Hebrew and in New Testament Greek at Pine Hill are recognized
as qualifying for the B.A. Students may complete the Div. course at the
Coll. and take the B.A. in 6 yrs. Confers the degree B.D. Principal—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—A. G. Hatcher, M.A. McG., LL.D. Mt. All. and Dal. V. p. 755.

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 Earl of Dalhousie, was in 1841 granted Univ. powers. For early history, see *Yearbook* for 1929.

Appointments to the Board of Governors are made by the Govr. in Council on the nomination of the Board.

DEANS OF FACULTIES. *Arts and Science*—G. E. Wilson, M.A. Qu., Ph.D. Harv., F.R.S.C. *Law*—H. E. Read, O.B.E., Q.C., B.A. Acad., LL.M., S.J.D. Harv., 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—81,909 books and bound periodicals; Medical and Dental—20,000 books and 3500 bound journals and pamphlets; Law—20,000 books and bound journals. MUSEUMS: Ornith., Zool., Medical. PUBLIC ARCHIVES OF NOVA SCOTIA, comprising MSS., newspapers, historical pictures, and research libraries. LABORATORIES: Physics, Chem., Geol., Biol., Engin., Anat., Biochem., Cancer, Physiol., Histol., Path., Pharm.

AN INSTITUTE OF PUBLIC AFFAIRS, in which Professors of the Faculties of Arts, Law, and Medicine co-operate, was established during the session 1936-37. The Institute is assisted by a Council on which the governments of Canada's Maritime Provinces and of Newfoundland and the major Universities of these areas are represented. The research carried out under its auspices is mainly concerned with problems of municipal government and social services. Affiliated with the Institute are the Maritime Bureau of Industrial Relations, the Maritime Labour Institute and the Nova Scotia Municipal Bureau.

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, \$79; 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, erected at a cost of \$400,000. Charges approx. \$410. 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; *Public Affairs*, quarterly.

THE YEAR 1950-51

BENEFACTIONS. \$147,500.

RETIREMENT. Prof. F. G. Mack (Urol.).

RESIGNATIONS. Assoc. Prof. J. W. Abbiss (Path.), apptd. to Memorial Hosp., Wilmington, Delaware; Assoc. Prof. D. H. Barnbrook (Anat.), to private practice, Kapuskasing, Ont.; Asst. Prof. M. O. Morgan, apptd. to Mem. Univ., Nfld.; Asst. Prof. A. W. R. Carrothers (Law), apptd. to Univ. of Br. Col.; F. H. M. Jones (Law); Betty Evans (Phys. Educn.); G. E. Vitalone (Phys. Educn.).

DEATHS. None.

HONORARY DEGREES. *LL.D.*—Dr. Jane L. H. Bell, retired medical practitioner, Halifax; Hon. Paul J. J. Martin, Minister of National Health and Welfare, Ottawa; Dr. G. W. Thorn, Hersey Prof. of Theory and Practice of Physic, Harvard Univ. Med. School; Dr. K. A. MacKenzie, Prof. Emeritus of Med., Dalhousie Univ.; Dr. D. S. Lewis, Prof. of Pharmacol., McGill Univ.; Dr. J. H. McPhedran, Chairman of the General Council, Canadian Medical Assoc., Toronto; Dr. D. Murray, medical practitioner, Tatamagouche, N.S.; Hon. Sir A. J. Walsh, Chief Justice of Supreme Court of Newfoundland; W. R. Mackenzie, Prof. and Hd. of Dept. of English, Washington University; Miss Georgina M. MacKay, Principal, Morrison Glace Bay High School, N.S.; J. H. Craigie, Assoc. Dir. of Science Service and Dominion Botanist and Plant Pathologist, Dept. of Agriculture, Ottawa.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	21	1214
Women	22	296
Total	43	1510

Included in the above are 60 postgraduate students, and 436 new admissions.

DEGREES. B.A., 69; B.Sc., 71; B.Sc. (Eng. Physics), 1; B. Comm., 33; B.Mus., 2; B.Ed., 2; LL.B., 56; M.D., C.M., 55; D.D.S., 12.

DIPLOMAS. Education, 24; L.Mus., 1; Engineering, 26; Pharmacy, 20; Public Health Nursing, 21; Teaching and Supervision in Schools of Nursing, 1; Food Technology, 2.

UNIVERSITY OF KING'S COLLEGE

Founded 1789, Royal Charter 1802

Postal Address : Halifax, Nova Scotia.

Telephone : Halifax 3-7497.

PATRON—THE ARCHBISHOP OF CANTERBURY.

VISITOR AND CHAIRMAN OF THE BOARD OF GOVERNORS—THE LORD BISHOP OF NOVA SCOTIA.

VICE-CHAIRMAN OF THE BOARD OF GOVERNORS—THE BISHOP OF FREDERICTON.

CHANCELLOR—Col. The Hon. RAY LAWSON, O.B.E., LL.D. Tor., W. Ont., and Miami, D.Cn.L.

PRESIDENT AND VICE-CHANCELLOR—Rev. Canon A. STANLEY WALKER, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Queen's.

DEANS—*Divinity*—Rev. J. H. A. HOLMES, M.A., D.D. ; *Dean of Men and Registrar*—Rev. H. E. DYSART, B.A. ; *Dean of Women*—Mrs. 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.

Journalism (in association with Mount Saint Vincent and St. Mary's Colleges)—Walker, Rev. Canon A. Stanley, M.A. Leeds, Birm. and K.C.N.S., B.Litt. Oxon., LL.D. Dal., D.D. Qu., Pres.; Chairman, Board of Governors; 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. S. J. 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. 694.

LIBRARY. About 30,000 volumes. The library has some forty incunabula and a fair number of illuminated mediæval MSS. It is particularly rich in books of the 18th century, when the College was founded. The Library specializes in Divinity and Arts, although other fields are also represented. It has also a very fine collection of United Empire Loyalist china, which was collected in 1880 by Mrs. Weldon, a daughter of Thomas Chandler Haliburton, to mark the centenary of the landing of the Loyalists in the Saint John River Valley.

DEGREES. The degrees granted by King's in the Faculty of Divinity are the Bachelor of Sacred Letters, the B.D. and the D.D.; diplomas of Licentiate of Theology and Scholar of Theology are also awarded. There is no provision for external degrees. The language of instruction is English. King's also is a partner in a School of Journalism in association with two other local Universities. 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.

THE YEAR 1950-51

HONORARY DEGREES. *D.D.*—Canon E. Malone. *D.Cn.L.*—The Hon. G. D. DeBlois ; H. R. Milner, Q.C. ; J. F. H. Teed, Q.C.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	111
Women	..	37
Total	2	148

Included in the above are 41 new admissions.

DIPLOMAS. L.Th., 3.

LAVAL UNIVERSITY *

Founded 1852

Postal Address : Rue de l'Université, Quebec.

Telephone : 2-1518.

ROYAL VISITOR AND CHANCELLOR APOSTOLIC—THE ROMAN CATHOLIC
ARCHBISHOP OF QUEBEC, H.E. Mgr. MAURICE ROY, D.Th., D.Ph.

RECTOR MAGNIFICUS—Mgr. FERDINAND VANDRY, C.M.G., D.Th.,
L.Ph.

VICE-RECTOR—Mgr. A. M. PARENT, D.Ph. Louvain, D.Th.

MODERATOR—JACQUES LESAGE, B.A.

SECRETARY GENERAL—ROBERT DOLBEC, L.Sc., L.Ph., L.Zool.

ASSISTANT SECRETARY—JACQUES GARNEAU, L.Ph., L.Th.

TREASURER—ROCH ROCHETTE, B.A.

LIBRARIANS—J. M. BLANCHET, B.A., B.Ph. ; ANTONIO DROLET, B.A.

ARCHIVIST—ARTHUR MAHEUX, O.B.E., L. ès L. Paris, D.Th., M.A.

TEACHING STAFF

Accounting

Boulanger, M. 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. Wisc.

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, R., L.Ph., L.Sc., L.Zool.
Bernard, R., B.Sc.App., M.Sc.,
D.Ph. Corn.
Corriveau, G. W., B.S.A., M.Sc.
Gagnon, A., L.Sc.

Assistant Professors

Labrie, J.-A., B.Sc.App., D.Sc.
Vandal, J. O., L.S.A.
Filteau, G., B.Sc.App.
Gauthier, G., B.S.A., M.Sc. Corn.,
D.Sc.
Pomerleau, R., B.S.A., M.Sc.
McG., D.Sc.

Richard, A., I.F., M.Sc., D.Ph.
Corn.

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.I.C.
Lond., D.Sc. Paris, D.Ph.

Giguère, P.-A., B.Sc.App., D.Sc.
Gravel, L., B.Sc.App., D.Sc.
Ouellet, C., B.Sc.App., D.Sc. Zür.
L'Écuyer, P., B.Sc., D.Phil. Oxon.,
B.Sc.App.

Risi, J., D.Sc. Frib.

Assistant Professors

Amiot, L. P., B.Sc.App., D.Sc.
Ménard, J.-A., L.Sc.

Instructors

Picard, S., B.A.Sc.
Nadeau, G., B.Sc.App., Ph.D.
Ouellet, L., B.Sc.App., Ph.D.
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. (Cooperation).
 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.).
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 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).
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 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.
 Instructor
 Paré, C.
Ecology
 Rousseau, L. Z., A.G., I.F. Prof.
 Desmarais, Y., L.Sc., Ph.D. Asst. Prof.
Economics, v. also Social and Polit. Econ., Sch. of Commerce, and Soc. Sciences
 Lussier, O., LL.L., Ing.For., D.Sc.For. Prof.
 Bilodeau, C., LL.L. Asst. Prof.
 Wilson, J. O., M.A., Dipl.For. Oxon. Asst. Prof.
Education
 Professors
 Éthier, W., D.Ph. Rome.
 Miville, R., B.A., L.Ph., L.Psych.
 Tremblay, A., L.Sc.Soc., M.A.Ed. Harv.
 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.
 Decœur, Canon A., D.Ph., D.Th. Louvain.
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 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
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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., D.Ph. 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.
Koenig, H. P., D.Sc. M.I.T.

Assistant Professors

Boulet, L., B.S.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.
Davault, L., L.S.A., M.Sc. McG.,
D.Sc. Montr. Asst. Prof.

Folklore

Professors

Lacourcière, L., L. ès L., B.A.

Savard, F.-A., B.A.

Assistant Professors

Barbeau, M., LL.L., D. ès L.
Doyon, Madeleine, B.A.

Forestry

Professors

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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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D.Sc.
Wilson, J. O., M.A., Dipl.For.
Oxon.

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Corn.

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Deschamps, R., I.F., B.Arp.

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Lamothe, G., B.Sc.App., I.C
Linteau, A., M.Sc.For. Yale, I.F.
Matte, L., I.F., D.Sc. Duke.
Deltour, P., D.Sc. Louvain.
Lafond, A., Ph.D. Wisc., 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.
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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

Biays, P., L.H. & G. Instr.

Roy, J. M., D.Geo. Grenoble.

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., D.Ph.
Corn.

Béland, R., B.Sc. Qu., M.A., D.Ph.
Tor.

Greek

Professors

Beaudry, E., B.A.

Lebel, M., B.A. Lond., L. ès L.

Marcotte, A., L. ès L.

Thomassin, Canon 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)

Professors

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, L. ès L., LL.L., Ag.H.
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Roy, A., D. ès L. Paris.

History of Canada

Beaudry, 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.

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Ste-Marguerite-du-Précieux-Sang,
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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., L. ès L., Ag. ès L.
Paris, Chev. Lég. d'H.

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.

Benoit, G., B.A.

Boutin, F., I.F., A.G.

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Savary, R., A.G., I.C.

Carrier, L., B.A.

Fillion, E., B.A.

Matte, A., B.Sc. App.

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Gosselin, R., I.F., M.A., D.Ph.
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Porter, E., A.G., I.F.

Dupré, A., M.A., M.Sc. Montr.

de Vogelaere, R., I.C., D.Sc. Lou-
vain.

Denis, B., L.Sc.

Deslauriers, C. E., B.Sc.App.

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Instructors

Drolet, J.-P., B.Sc.App.

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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.,
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Waddington, G. W., B.Sc.App.
Br. Col.

Walsh, B. J., B.Sc. Qu.

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Garneau, J. B., F.C.I.C.

Asst. Prof.

Instructors

Jones, I. W., B.Sc.App. Alta.,
D.Ph. Tor.

Laroche, 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.

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Belanger, E.

Klimoff, C.

Pouliot, O.

Turgeon, J., B.A.

Cayouette, M.

Brassard, F.-J.

Assistant Professors

Vézina, R.

Bélanger, E.

Laroche, E.

Letarte, M., B.A.

Instructors

Beaudet, J., B.A.

Bussièrès, J.-M.

Darisse, G., B.M.

Fortier, E.

Letourneau, P.

Landry, Jeanne.

Philosophy

Professors

Grenier, 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.Phil. Louvain, D.Ph.
 Gaudron, E., D.Ph. Louvain.
 Cantin, S., D.Ph.
 Robert, P., M.A., D.Ph.

Assistant Professors

Albert, G., D.Th. Rome.
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 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.,
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Joncas, L., B.Sc.App., I.C., A.G.
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 Geoffrin, 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, Canon 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).
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 Leblond, W., M.D. (Hyg.).
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 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.
 Hecker, F., LL.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, G., LL.L. Prof.
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 Gagné, M., LL.L. Instr.

Commerc. and Marit. Law

Bouffard, P.-H., LL.L. Prof.
 Gravel, J.-P.-A., LL.D. Prof.
 St-Laurent, Rt. Hon. L., LL.D.
 Prof.

Company Law

Taschereau, A., LL.L. Prof.

Criminal Law

Lacroix, G., L.Ph., LL.L. Prof.

History of Law

Pelland, Léo, LL.L., L.Ph. (and
 Introduction) Prof.

International Law

Langlais, A., LL.D. Prof.

Municipal and Educational Law

Gagnon, Hon. O., LL.D. Prof.
 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

Alley, R., LL.L.

Instructors

Dorion, N., LL.L.
 Doucet, J. L., LL.L.
 Gosselin, E., LL.L.
 Labrègue, A., LL.L.
 Letarte, P., LL.L.
 Thibaut, 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.
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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

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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

Prof. 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.

Sylvestre, J. E., M.D., D.H.P. Tor.

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.

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.

Pædiatrics

Langlois, M., M.D. Prof.
 Lapointe, D., M.D. Prof.
 Fortier, de la Broquerie, M.D. Prof.
 Dechêne, E., M.D. Asst. Prof.

Pharmacy

Marquis, A., B.Pharm. Prof.
 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

Gaumont, E., M.D. Prof.
 Perron, E., M.D. Prof.
 Gosselin, J., M.D. Asst. Prof.
 Payeur, L.-R., M.D. Asst. Prof.
 Samson, M., M.D. Asst. Prof.

Radiology

Perron, J. E., M.D. Prof.
 Potvin, A. R., M.D. Prof.
 Gosselin, J., M.D. Asst. Prof.
 Payeur, L.-R., M.D. Asst. Prof.
 Lessard, R., M.D. Asst.

Surgery, Clinical

Professors

Petitclerc, J.-L., M.D.
 Poliquin, P. A., M.D.
 Roy, F., M.D.
 Trempe, F., M.D.
 Vézina, C., M.D.
 Auger, G., M.D.

Assistant Professors

Berreault, J. E., M.D.
 Laverigne, 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. (As-
cetical 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., D.Ph. 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: J. P. Dugal, 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 pro-
grammes 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 DE COMMERCE. 1 school affiliated.

ÉCOLE SUPÉRIEURE DE SCIENCES DOMESTIQUES. 1 school affiliated.

COURS LETTRES-SCIENCES. 50 schools affiliated.

GENERAL INFORMATION

The Univ. was founded by the Seminary of Quebec in 1852 under a Royal
Charter. A general supervision of teaching and discipline is exercised by the
Archbishop of Quebec as Visitor and Chancellor Apostolic and President of

the Conseil Supérieur of Bishops of the ecclesiastical province of Quebec. The Profs. of the Faculties of Theology, Canon Law, and Philosophy are nominated by the Visitor, those of other Faculties by the Conseil de l'Université, composed of the Directors of the Seminary of Quebec and 3 Senior Profs. of the Faculties of Theology, Arts, Law, and Medicine, and the Deans of the Faculties of Philosophy, Letters, Sciences, Social Sciences, Agriculture, and Forestry and Surveying.

In September 1952, the University celebrated its Centenary.

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:* F. X. Jean; *Arts:* Canon M. Laliberté; *Forestry and Surveying:* A. Bédard; *Law:* Judge J. A. Gagné; *Letters:* Mgr. F.-A. Savard; *Medicine:* C. Vézina; *Philosophy:* C. de Koninck; *Sciences and Engin.:* A. Pouliot; *Social Sciences:* G. H. Lévesque; *Theology:* E. Lemieux. These Deans are permanent (elected for 3 yrs., but in general re-elected until retirement age or death), and full-time except J. A. Gagné (permanent but part-time), C. Vézina and F. A. Savard (permanent and half-time).

SCHOOLS. *Graduate Studies:* P. E. Gagnon, Pres.; *Nursing* (14 affiliated Schools); *Education,* R. Miville, Dir.; *Music,* R. Talbot; *Commerce,* Br. M. André, Dir.; *Household Science,* Sr. Ste-Thérèse-de-la-Foi, Dir.; *Pharmacy,* A. Marquis, Dir.; *Social Work,* G. Poulin, Dir.; *Fisheries,* J. Diamant, Dir.; *History and Geography,* M. Trudel, Dir.

DEGREES, DIPLOMAS, AND TEACHING ACTIVITIES. The Univ. perpetuates the stages by which a Degree was, and still is, reached in the Univ. of Paris. The Baccalauréat ès arts (B.A.) is not the equivalent of any of the English Degrees, but is an official certificate (recognized by the Govt.) that the student has successfully completed his literary and scientific studies, and is entitled to begin his professional studies in law, medicine, or applied sciences, or the Higher studies. It is obtained before he leaves the affiliated Institute, Seminary, or College at which he has studied. Students who reach a certain standard in both letters and sciences obtain the B.A. After the B.A. the student may proceed to the Baccalauréat in Theology (3 yrs.); in Philosophy (2 yrs.); in Social Sciences (2 yrs.); in Civil Law (4 yrs.); in Music (2 yrs.); in Pharmacy (3 yrs.); in Surveying (3 yrs.); in Agriculture (4 yrs.); in Medicine (2 yrs.); in Commerce (2 yrs.); in Education (1 yr.); in Applied Sciences (5 yrs.); in Household Sciences (2 yrs.). The course for the Licence covers 3 yrs. after the B.A. in Philos. (L.Ph.); 2 yrs. in Letters (L. ès L.); 3 yrs. in Sciences (L.Sc.); 3 yrs. in Law (LL.L.); 4 yrs. in Theol. (L.Th.); 2 yrs. in Music; 4 yrs. in Social Sciences; 2 yrs. in Education. To obtain the Doctorate it is necessary to support successfully in public a thesis and propositions as in French Univs. The D. en M. or M.D. is granted after 6 yrs.' study, by examn.

The Diploma in Forestry is awarded after 4 yrs.' study in the Faculty of Surveying and Forestry.

The Faculty of Sciences provides a 5 yrs.' course leading to the Baccalauréat in Applied Sciences, or to a Licence and to a Doctorate in Sciences.

The Univ. has granted affiliation to about 70 private schools for boys and girls. At the age of 12 yrs. the children may choose between the primary course, a certificate being granted, after Univ. examn., at the end of the fourth

year, and the classical course of the first degree (High School, 4 yrs.), with a certificate of matriculation at the end of the fourth year. The main difference between the two courses is the teaching of Latin, and the advanced teaching of Mathematics and of History, in the High Schools.

The High School course is given in Schools limited to such a course, or in Colleges and "Séminaires," which give, after the High School course, the teaching usual in Colleges of Arts. In these last institutions Greek is taught for 4 yrs. ; Philosophy (theory, history, essays) for 2 yrs. ; Latin for 6 yrs.

ADMISSION. See Appendix I.

RECOGNITION of the B.A. of Laval is accorded by most European Universities, by Canadian Universities, and by most of those of the U.S.A.

FEES for tuition, \$300 to \$500 p.a., with an extra charge for laboratories.

RESIDENCE. Students of Theol. reside at the Grand Seminary. The Maison des Étudiants, 49 St.-Joachim St., provides accommodation (rooms only) for about 40 male students. 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, 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 1950-51

NEW BUILDINGS. Under construction: Medical Centre and Hospital, School of Commerce, School of Theology.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. R. Grousset, orientalist, France ; Prof. W. H. Alexander, Calif. Univ. Press ; Prof. M. Giraud, Coll. of France ; Prof. J. J. Trillat, Paris U., dir., X-ray Labs. of Scientific Research Centre, Paris ; Prof. J. Madaule, writer, France ; Prof. L. Morice, Paris ; Prof. P. Mèlèse, France ; Prof. C. Oberling, Paris U. ; T. Romer, ex-minister of Poland. Prof. E. Sauzé, Grad. Sch., Western Reserve ; Prof. B. Zaborski, McG. U. ; Rev. D. H. Salman, Col. P. D. Baird and Prof. C. A. Best, Tor.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. Y. Roy, Amsterdam ; Prof. A. Pouliot, Rennes, and Sacred Heart U., Milan ; Rector F. Vandry, Prince of Wales Coll., Charlottetown, Assumption Coll., Worcester, U.S.A., San Marcos U., Lima ; Prof. André Patry, Caen, Aix-Marseille ; Mgr. A. M. Parent, Ottawa, Collège Rivier, Nashua, N.H. ; Prof. Lamontagne, Paris ; Mgr. F.-A. Savard, Gregorian, Rome ; Prof. C. Lockquell, Rome ; Prof. E. Gosselin, Corn.

DEATHS. Dr. A. Simard (Med.) ; Mrs. Berthe Roy (Music) ; Rev. M. Lussier, S.V. (Theol.) ; Rev. E. Bourque (Theol.) ; Hon. L. Moraud (Law).

HONORARY DEGREES. *Arts*—Rev. Anis Samaan-Hanna, S.J. ; *Sciences*—A. Portevin, J. Bordet.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1011	4951
Women	926	1598
Total	1937	6549

Included in the above are 151 postgraduate students and 2228 new full-time admissions.

DEGREES. *Theol.* : Bacc., 17 ; Lic., 18. *Philos.* : Bacc., 24 ; Lic., 13. *Law* : Bacc., 4 ; Lic., 41. *Med.* : Bacc., 143 ; Doct., 141. *Nursing* : Dip., 229 ; Cert., 20 ; Bacc., 5. *Household Sci.* : Bacc., 14. *Educn.* : Cert., 2 ; Bacc., 36 ; Lic., 7. *Letters* : Cert., 12 ; Lic., 4. *Mod. Langs.* : Cert., 47. *Library Sci.* : Cert., 6. *Chem.* : Cert., 1 ; Bacc., 4. *Mining Eng.* : Bacc., 8. *Phys.* : Bacc., 8. *Chem. Eng.* : Bacc., 12. *Geol. Eng.* : Bacc., 6. *Elect. Eng.* : Bacc., 20. *Biol.* : Bacc., 2. *Pharm.* : Bacc., 11. *Agric.* : Bacc., 7. *Fisheries* : Bacc., 1. *Soc. Sci.* : Cert., 8 ; Bacc., 11 ; Lic., 6. *Soc. Work* : Bacc., 13. *Comm.* : Cert., 95 ; Bacc., 55 ; Lic., 54. *Forest Eng.* : Bacc., 25. *Surveying* : Bacc., 22. *Every field* : Master's degree, 14 ; Doctor's degrees (Exc. Med.), 32.

MCGILL UNIVERSITY *

Founded 1821

Postal Address : 805 Sherbrooke St. West, Montreal 2, P.Q.

Telephone : Marquette 9181.

VISITOR—H.E. THE GOVERNOR-GENERAL OF CANADA.

CHANCELLOR—BERTIE C. GARDNER, D.C.L. Bishop's.

PRINCIPAL AND VICE-CHANCELLOR—F. CYRIL JAMES, Chev. Lég. d'H., B.Com. Lond., A.M., Ph.D. Penn., D.C.L. Bishop's, LL.D. Qu., N.Y., Sask., Manit., Tor., Syracuse, Lond., Ursinus, New Br., McM., Birm., D.Sc. Clarkson, D. de l'U. Montr., F.R.S.C.

DEANS—*Agriculture*—W. H. BRITTAIN, M.S. in Agr., Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.R.S.C., F.A.I. ; *Arts and Science*—H. N. FIELDHOUSE, B.A. Oxon., M.A. Sheff., F.R.S.C. ; *Dentistry*—D. P. MOWRY, D.D.S., F.A.C.D. ; *Divinity*—J. S. THOMSON, M.A. Glas., D.D. Glas., Sask., Tor., LL.D. McM., Manit., Qu., Tor., Wash. State, McG., Alta., F.R.S.C. ; *Engineering*—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.R.S.C., F.C.I.C. ; *Law*—W. C. J. MEREDITH, Q.C., M.A. Camb. ; *Medicine*—G. L. DUFF, M.A., M.D., Ph.D. Tor., F.R.S.C. ; *Music*—D. CLARKE, M.A., Mus.B. Camb., F.R.C.M., F.R.C.O.

COMPTROLLER AND EXECUTIVE ASSISTANT TO THE PRINCIPAL—S. H. DOBELL, D.S.O.

SECRETARY AND BURSAR—W. BENTLEY.

REGISTRAR—T. H. MATTHEWS, M.A. Oxon., 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, B.A., D.Sc. Acadia.

DIRECTOR OF EXTENSION COURSES—F. S. HOWES, Ph.D. Lond.

SUPERINTENDENT OF BUILDINGS AND GROUNDS—R. G. DEFRIES, Ing.E.T.P. Paris.

INCORPORATED COLLEGES

MACDONALD COLLEGE, Ste-Anne de Bellevue, P.Q. (*Telephone* : Ste-Anne de Bellevue 335), including Faculty of Agric., School for Teachers, and School of Household Science. Vice-Principal—W. H. BRITTAIN, M.S. (Agr.), Ph.D. Corn., D.Sc. Br. Col., B.S.A., F.R.S.C., F.A.I. *

ROYAL VICTORIA COLLEGE, Montreal (the Women's College of the Univ.). (*Telephone* : Marquette 9181.) Warden—MURIEL V. ROSCOE, B.A., D.Sc. Acad., A.M., Ph.D. Radcliffe.

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

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.Stevens, Catherine E., B.Sc.,
Ph.D.Workman, E. W., M.D., C.M.,
M.Sc.

2 Demrs.

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.R.S.C., F.C.I.C.Dean of Fac. of Grad.
Stud. and Research,
and Cheney Prof.Quastel, J. H., Ph.D. Camb., D.Sc.
Lond., F.R.S., F.R.I.C. Prof.Denstedt, O. F., B.Sc. Manit.,
Ph.D., F.C.I.C. Assoc. Prof.Elliott, K. A. C., M.Sc. S.A., Ph.D.,
D.Sc. Camb. Assoc. Prof.Heard, R. D. H., M.A. Tor., Ph.D.
Manc., F.R.S.C. Assoc. Prof.Ryan, M. T., M.Sc. N.U.I. Lectr.
1 Demr.*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., B.A., D.Sc.
Acad., A.M., Ph.D. Radcliffe

Prof.

Gibbs, R. D., Ph.D. Lond., M.Sc.,
F.R.S.C., F.L.S. Assoc. Prof.Waygood, E. R., M.S.A., Ph.D.
Tor. Asst. Prof.

2 Demrs.

Chemistry, v. also Engineering,
Chemical, *infra*Maass, O., C.B.E., Ph.D. Harv.,
LL.D. Manit., D.Sc. Roches-
ter, Laval, and Tor., M.Sc.,
F.C.I.C., F.R.S.C., F.R.S.

Macdonald Prof.

Purves, C. B., B.Sc., Ph.D. St.
And., D.Sc. Lawrence Coll.
(Indust. and Cellulose Chem.)

Eddy Prof.

Hatcher, W. H., M.Sc., Ph.D.,
F.C.I.C., F.R.S.C. Prof.Winkler, C. A., O.B.E., M.Sc.
Manit., D.Phil. Oxon., Ph.D.,
F.R.S.C., F.C.I.C. Prof.Mennie, J. H., B.Sc. Oxon., M.A.
Br. Col., Ph.D. Assòc. Prof.Nicholls, R. V. V., M.Sc., Ph.D.,
F.C.I.C., F.C.S. Assoc. Prof.Taurins, A., Dr.Chem. Riga
Assoc. Prof.Holcomb, R. K., B.S.A., Ph.D.
Asst. Prof.Ross, A. S., B.A. W. Ont., A.M.
Oberlin, Ph.D. Asst. Prof.Schiff, H. I., Ph.D. Tor.
Asst. Prof.Campbell, W. B., B.Sc., Ph.D.,
F.R.S.C., F.C.I.C. Hon. Lectr.

Mason, S. G., B.Eng., Ph.D.
 Hon. Lectr.
 Ross, J. H., D.Sc. Geneva, B.Sc.
 Hon. Lectr.
 Madras, S., B. Sc. Sir G. Williams,
 Ph.D. Sessl. Lectr.
 10 Demrs.

Classics

Carruthers, C. H., B.A. Tor. and
 Oxon., M.A. Tor., Ph.D. Chic.
 (Class. Philol.) Prof.
 Woodhead, W. D., B.A. Oxon.,
 M.A. Alta., Ph.D. Chic.
 Mills Prof.
 Counsell, E. M., M.B.E., B.A.
 Oxon. Assoc. Prof.
 McCullagh, P. F., B.A. Tor., Ph.D.
 Chic., M.A. Assoc. Prof.
 Gordon, C. D., B.A. Alta., M.A.,
 Ph.D. Mich. Asst. Prof.
 Vallillee, G. A., B.A. Sessl. Lectr.

Commerce, v. infra

Dentistry, v. infra

Economics and Political Science

Beach, E. F., B.A. Qu., A.M.,
 Ph.D. Harv. Bronfman Prof.
 Higgins, B. J., B.A. W. Ont.,
 M.Sc. Lond., Ph.D. Minn.
 Bronfman Prof.
 James, F. Cyril, Chev.Lég. d'H.,
 B.Com. Lond., A.M., Ph.D.
 Penn., D.C.L. Bishop's, LL.D.
 Qu., N.Y., Sask., Manit.,
 Tor., Syracuse, Lond., Ur-
 sinus, New Br., McM., Birm.,
 D.Sc. Clarkson, D. de l'U.
 Montr., F.R.S.C. (Pol. Econ.)
 Principal and Vice-Chan-
 cellor 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. Illin-
 ois Prof.

Associate Professors

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

Kemp, M. C., B.Com., M.A. Melb.
 Vineberg, P. F., B.C.L., M.A.
 Weldon, J. C., B.A.

Lecturers

Corbett, D. C., M.A. Tor.
 Dales, J. H., M.A. Harv. and Tor.
 Oliver, M., B.A.
 Wiseman, Sylvia, B.A.
 Mankiewicz, R. H., LL.M. Frank-
 furt, D.E.S., LL.D. Lyon
 Sessl. Lectr.

3 Assts.

*Education, v. also Macdonald
 Coll., infra*

Hughes, J., M.A. Wales
 Macdonald Prof.
 Currie, A. B., B.Com. Qu., M.A.,
 M.Ed. Alta., Ph.D. Lond.
 Assoc. Prof.

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.
 Savage, Annie D. Sessl. Lectr.

Embryology, v. Anatomy

Engineering, v. infra

English Lang. and Lit.

Duthie, G. I., M.A., Ph.D., D.Litt.
 Edin. Molson Prof.
 Files, H. G., A.M., Ph.D. Harv.
 Greenshields Prof.
 Phelps, A. L., B.A. Tor., F.R.S.C.
 Prof.
 MacLennan, H., B.A. Dal., M.A.
 Oxon., A.M., Ph.D. Prin.

Assoc. Prof.

Noad, A. S., M.A. Assoc. Prof.

Assistant Professors

Beresford-Howe, Constance, Ph.D.

Brown, M.A.

Hemlow, Joyce, M.A. Qu. A.M.,
Ph.D. Harv.

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.

Porter, S. W., B.A., M.F.A. Yale

Pullinger, A., M.F.A. Yale, B.A.

3 Assistants.

Fine Arts

Lyman, J. Assoc. Prof.

Lismer, A., LL.D. Dal., F.R.S.A.

Asst. Prof.

Viau, G. Asst. Prof.

Filer, Mary H., B.F.A. Lectr.

Webber, G., B.Design Ill. Inst.

Tech. Lectr.

1 Asst., 1 Demr.

French, v. Romance Langs.,
*infra**Genetics*Boyes, J. W., M.Sc. Sask., Ph.D.
Wisc.

Assoc. Prof.

..... 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.G.S., F.R.Met.S.

Prof. and Dir. of Geog.

Summer Sch.

Fisher, C. A., M.A. Camb. and
Oxon.

Assoc. Prof.

Zaborski, B., Ph.D. Warsaw,

Dozent Cracow Assoc. Prof.

Bird, J. B., M.A. Camb.

Asst. Prof.

Summers, W. F., B.Sc. Dal., M.Sc.

Lectr.

Orvig, S., B.Sc. Oslo Sessl. Lectr.

2 Assistants.

Geological Sciences

Clark, T. H., A.M., Ph.D. Harv.,

F.R.S.C., F.G.S.A.

(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.

Stearn, C. W., B.Sc. McM., M.A.

Yale Asst. Prof.

2 Demrs.

German

Graff, W. L., Ph.D. Louvain

Prof.

Meyer, Bertha, M.A. Asst. Prof.

Block, V., M.A. Lectr.

Graduate Studies and Research,
v. *infra**Greek*, v. Classics*Histology and Embryology*, v.
*Anatomy, supra**History*Fieldhouse, H. N., B.A. Oxon.,
M.A. Sheff., F.R.S.C.

Dean of Fac. of Arts and

Sci. and Kingsford

Prof.

Adair, E. R., B.A. Lond., M.A.
Camb., F.R.Hist.S. Prof.Bayley, C. C., M.A. Manc., Ph.D.
Chic. Assoc. Prof.

Cooper, J. I., M.A. W. Ont., Ph.D.

Assoc. Prof.

- Mladenovic, M., B.Com., M.L.
Belgrade, D.L.L., D. ès Sc.
Pol., D. ès Sc. Écon., Dip.
des Hautes Études Soc. Paris
Asst. Prof.
- Reid, W. S., Th.M. Westmin.,
Ph.D. Penn., M.A.
Asst. Prof.
- Household Science*, v. Macdonald
Coll., *infra*
- Latin*, v. Classics
- Law*, v. *infra*
- Library Science*, v. Library Sch.,
infra
- Logic*, v. Philos.
- Mathematics*
- Tate, H., B.Sc. N.U.I., M.A. Dub.
Prof.
- Wallace, P. R., M.A., Ph.D. Tor.
Prof.
- Williams, W. L. G., B.A. Haver-
ford, M.A. Oxon., Ph.D.
Chic., D. ès Sc. Montr.,
F.R.S.C. Prof.
- Zassenhaus, H. J., M.A. Glas., Dr.
Rer. Nat., Dr. Habil. Hamb.
Prof.
- Fox, C., M.A. Camb., D.Sc. Lond.
Assoc. Prof.
- Kozakiewicz, W., Ph.D. Warsaw
Assoc. Prof.
- Rosenthal, E., Ph.D. Cal. Tech.,
M.Sc. Assoc. Prof.
- Assistant Professors
- Jackson, J. D., B.Sc. W. Ont.,
Ph.D. M.I.T.
- Lambek, J., M.Sc.
- Morris, T. F., Ph.D. Tor.
- Ross, W. B., M.Sc., Ph.D.
- Solin, C. D., Ph.D. Tor., M.A.
Asst. Dean Fac. Arts and
Sci., and Asst. Prof.
- Lecturers
- Oler, N., B.Sc.
- Patterson, R. A., B.A. Mt. All.,
B.Paed. Tor.
- Wood, L. P., B.Sc.
- Sessional Lecturers
- Burrow, M. D., M.Sc.
- Melamed, S., B.Sc.
- Rattray, B., M.Sc.
- Medicine*, v. *infra*
- Metallurgy*, v. Engin., *infra*
- Mining*, v. Engineering, *infra*
- Music*, v. *infra*
- Nursing*, v. Sch. for Grad.
Nurses, *infra*
- Palæontology*, v. Geological
Sciences, *supra*
- Philosophy*
- MacIennan, R. D., M.A. Edin.
Macdonald Prof.
- Klibansky, R., M.A. Oxon., D.Phil.
Heidelberg (Logic and Meta-
physics) Frothingham Prof.
- Currie, C., Ph.D. Harv., M.A.
Assoc. Prof.
- Henderson, T. G., Ph.D. Harv.,
M.A. Assoc. Prof.
- McKinnon, A. T., M.A. Tor.,
Ph.D. Edin. Lectr.
- 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 Elec-
tronics 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.

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.

Hitschfield, W. F., B.A.Sc. Tor.,
Ph.D.

10 Pt.-time Demrs.

Physiology

MacIntosh, F. C., M.A. Dal., Ph.D.
Drake Prof.

Burgen, A. S. V., M.B., B.S. Prof.
Burns, B. D., B.A. Camb.

Assoc. Prof.

Giblin, N., M.C., B.A. Tas., M.B.,
Ch.B. Edin. Assoc. Prof.

Dworkin, S., M.Sc., D.D.S., M.D.,
C.M., M.Sc. Asst. Prof.

Sekelj, P., B.E., Dr. Elect. Phys.
Badiche Techn. Hoch., Karls-
ruhe Asst. Prof.

Terroux, Kathleen G., B.A., M.Sc.,
Ph.D. Asst. Prof.

Brooks, V. B., B.A. Tor., M.Sc.
Chic. Lectr.

Henrikson, Helen A. Lectr.

Johnson, A. L., M.D., C.M. Lectr.
1 Demr.

Physiotherapy, v. infra

*Political Science, v. Econ. and
Pol. Sci., supra*

*Psychology, v. also Medicine,
Psychiatry, infra*

Hebb, D. O., B.A. Dal., Ph.D.
Harv., M.A. Prof.

Ferguson, G. A., B.A. Dal., B.Ed.,
Ph.D. Edin. Prof.

Associate Professors

Luchins, A. S., B.A. Brooklyn,
M.A. Col., Ph.D. N.Y.

Webster, E. C., M.A., Ph.D.

Assistant Professors

Bindra, D., Ph.D. Harv.

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.

Golick, Margaret, M.Ps.Sr.

Scheier, I. H., B.A. Union.

Sessl. Lectr.

1 Demr., 1 Asst.

Romance Languages

Launay, J. E. L., L. ès L., Dipl.
d'Ét. Sup. Paris, Ag. de l'U.
de France (French)

Prof. and Dir. of French
Summer Sch.

Nardin, P. C., L. ès L., Dipl. d'Ét.
Sup. Nancy, D.E.S. Besançon,
Ag. et Dr. ès L. de l'U. de
France (French) Prof.

D'Andrea, A., Ph.D. Pisa (Italian)
Visiting Prof.

Furness, Mme Lucie T., L. ès L.
Paris (French) Assoc. Prof.

Larivière, Hélène, Ag. de l'U.
de France Assoc. Prof.

Assistant Professors

d'Hauteserve, L., B. ès L. and
Ph., Lic. en Droit Paris, M.A.
(French)

Harrop, L. B., B.A., Dip.Ed. W.
Aust., Dip. Est. Hisp. San-
tander, M.A. Interamericana,
Mexico (Spanish).

Henry, Robina E., M.A. Dub.

Rigault, A. A., L. ès L., Dipl. d'É.S.
de L. Paris (French)

Lecturers

Gauny, Marie O., L. ès L., Dipl.
d'Ét. Sup. Nancy, M.A. Bryn
Mawr

Romer, T., L. ès Sc. Pol. et Soc.
Lausanne
Stegen, G. F., B.A. Sir G. Wm's.
(Spanish).

Social Work, v. *infra*

Sociology

Hall, O., B.A. Qu., Ph.D. Chic.,
M.A. Assoc. Prof.
Westley, W., Ph.D. Chic.
Assoc. Prof.
Ross, Aileen D., B.Sc. (Econ.)
Lond., M.A., Ph.D. Chic.
Asst. Prof.
Voget, F. W., B.A. Oregon, Ph.D.
Yale (Anthropol.) Asst. Prof.

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., E.D. Curator.
4 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.
3 Demrs.

Commerce

Accounting

Byrd, K. F., B.Sc., M.A. Lond.
Prof.
Patton, D. R., B.Com.
Assoc. Prof.
Pugsley, P. T. R., B.Com.
Asst. Prof.

Lecturers

Anderson, C. K.
Dawson, R. J. P.
Hall, G. B. A., M.Com.
Houghton, V.
Howson, A. H., B.A.
Knowles, F., B.Com.
Lemieux, E. A., B.Com.
Mellor, C. D., B.Com.
Smyth, W. A., B.Com.

Commerce

Woods, H. D., B.A. New Br., M.A.
(Indust. Relns.)
Director and Bronfman
Prof.

Lecturers

Armstrong, D. M., M.B.A. Harv.
B.A.
Loftus, R., B.A. Olivet, M.B.A.
Harv.
Putnam, C. S., A.B. Harv.
Westbury, A. H., F.C.I.S.
8 Demrs.

Dentistry

Mowry, D. P., D.D.S., F.A.C.D.
Dean and Prof. of Peri-
odontia.
Franklin, G., D.D.S., F.I.C.D.
Prof.
Gerrie, J. W., B.A., D.D.S. Alta.,
M.D., C.M.

Associate Professors

Leahy, W. G., B.Sc. Laval, D.D.S.
McCutcheon, J., M.Sc. Mich.,
B.A., D.D.S.
Racey, A. G., D.D.S., F.A.C.D.
Ross, A., M.D., C.M.

Assistant Professors

Dagg, R. E., D.D.S., L.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.
 Gordon, D. C., B.Sc. Acad., D.D.S.
 Johnston, W. J., 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.
 Walford, W. F., D.D.S.

Lecturers

Abraham, J. W., M.M., D.D.S.
 Armstrong, G. D., D.D.S.
 Burns, F. L., B.A. Loyola, D.D.S.
 Cameron, A. F., D.D.S.
 Couper, W. M., B.Sc., M.D., C.M.,
 F.R.C.S.Ed. and Can.
 Dorion, E. S., B.A. Ott., D.D.S.
 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.
 Johnson, W. A., B.A., B.C.L.
 Lamb, R. T., B.Sc., 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.
 Seller, C. R., D.D.S.
 Smaill, S. S., D.D.S.
 Stockwell, W. G., D.D.S.
 Walsh, C. T., M.S. Mich., B.Sc.,
 D.D.S.
 Wiener, R. M., M.S. Chic., D.D.S.
 27 Pt.-time Demrs.

Prosthetic D.

Bushell, W. C., D.D.S. Prof.

Divinity

Thomson, J. S., M.A. Glas., D.D.
 Glas., Sask., Tor., LL.D. McM.,
 Manit., Qu., Tor., Washington
 State, McG., Alta, F.R.S.C.
 Dean and McConnell
 Prof. (Philos. and
 Psychol. of Rel.).
 Caird, G. B., B.A. Camb., M.A.,
 D.Phil. Oxon.
 (N. Test. Lang. and Lit.)
 Prof.
 Scott, R. B. Y., B.D. Knox, M.A.,
 Ph.D. Tor., D.D. Vic. Tor.
 (Old Test. Lang. and
 Lit.) Prof.
 Slater, R. H. L., M.A. Camb.,
 Ph.D. Col. (Syst. Theol.) Prof.
 Smith, W. C., B.A. Tor., Ph.D.
 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.
 Kerr, J., B.A. Hon. Lectr.

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.

Charles, G. E., B.Eng. Lectr.

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.

Assistant Professors

Joly, G. W., B.A. Loyola.

Neilson, S. A., B.Sc.

Pakelnins, A., Dipl.Eng. Charlott-
tenburg, D.Sc. Latvia.

Wilson, V. W. G., S.M. M.I.T.,
B.Sc.

Lecturers

Baker, M. C., B.Eng., B.Arch.

Coates, D. F., B.A. Oxon., B.Eng.

Guadagni, F., B.Eng.

McCoy, W. B., B.Eng.

1 Demr.

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.

Farnell, G. W., B.A.Sc. Tor., S.M.

M.I.T. Lectr.

Gordon, A. I., B.Eng. Lectr.

Pavlassek, T. J. F., M.Eng. Lectr.

2 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.

Industrial Relations, v. Mechan.

Engin., *infra*

Mathematics, v. supra

Mechanical Engineering

Robb, C. A., S.M. M.I.T., D.Eng.

Johns H., B.Sc., P.Eng.

Prof.

Mordell, D. L., M.A. Camb. Prof.

Associate Professors

Bruce, W., M.A.Sc. Tor., P.Eng.

Stafford, P. M., M.S.E. Mich.,
P.Eng.

White, J. M., B.E. Johns H.,
M.B.A. N.Y.

Assistant Professors

Hold, P., Dipl.Eng.(M.E.) and Dr.
Ing. (D.Eng.). Tech. Univ. of
Vienna.

Lane, A. G., B.Eng.

Lecturers

Briercliffe, H. C. C., M.S. M.I.T.,
B.Eng.

Cherna, J. C., Dipl.Eng. Tech.
Hoch. Zurich.

Laporte, A., B.Eng.

Sessional Lecturers

Covo, P. V., B.Eng.

Fainstat, M. M., B.Eng.

Putnaerglis, R., Dip.Mech.Eng.
Latvian Univ.

2 Demrs.

*Mining and Metallurgical En-
gineering*

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.

Yates, H. H., B.Sc., Ph.D.

Asst. Prof.

Sproule, G. St. G., M.Sc.

Sessl. Lectr.

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.R.S.C., F.C.I.C.

Dean and Prof. of Bio-
chem.

(Graduate instruction and super-
vision of research are under-
taken by members of all
Depts. of the Univ.)

Law

Meredith, W. C. J., Q.C., M.A.
Camb.

Dean and Prof. of Law.

Professors of Law

Cooper, J. C., A.B. Prin.
LeMesurier, C. S., Q.C., B.A.,
B.C.L., LL.D. Glas.
Baudouin, L., D. en Droit, ès Sci.
Juridiques, et ès Sci. Polit.
Paris.
Cohen, M., B.A., LL.B. Manitt.,
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.

Lecturers

Challies, Mr. Justice G. S., M.A.,
M.C.L.
Anglin, J. P., B.A., B.C.L.
Crankshaw, J. E., Q.C., B.C.L.
Gazdik, J. G., Dr. Pol. Sc. Pécs,
LL.D., M.C.L.
Minnion, A. M., B.A., B.C.L.
Owen, G. R. W., B.C.L., M.A.
Richardson, C. S., Q.C., M.A.
Acad., LL.B. Dal.
Watt, A. McA., B.A., B.C.L.

Library School**Library Science**

Ross, Miss Vernon, B.S. in Lib.
Sci. Col., M.A.
Dir. and Asst. Prof.
Murray, Virginia, M.A. Col., B.L.S.
Asst. Prof.

Astbury, Effie C., B.A., B.L.S.

Lectr.

Pennington, R., B.A. Birm., Lib.
Dipl. Lond.

Lectr. and Univ. Lib-
rarian.

Sessional Lecturers

Hamlyn, Mary G., B.A., B.L.S.

Haultain, Helen.

Jenkins, Kathleen R., B.A., L.S.
Dip.

Simon, Beatrice V., M.A., L.S. Dip.
1 Teaching Asst.

Medicine**Anæsthesia**

Griffith, H. R., M.M., M.D.
Hahnemann, B.A., M.D.,
C.M., F.A.C.A., F.I.C.A.,
F.F.A.R.C.S. Assoc. Prof.
Stephen, C. R., B.Sc., M.D., C.M.
Asst. Prof.
Stewart, C. C., M.D., C.M.
Asst. Prof.
Wilkinson, F. A. H., M.D., C.M.,
F.I.C.A., F.A.C.A.
Asst. Prof.

Lecturers

Cullen, W. G., B.A., M.D. Tor.
Ferguson, R., M.B.E., M.D. Tor.,
F.I.C.A.
Gilbert, R. G. B., M.B., B.Sc.
Lond., F.A.C.A.
Pasquet, A. F., M.D. Qu., D.A.
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., M.D. Paris.

Lecturers

De Vries, 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.
i Demr.

Biochemistry, v. supra

Clinical Therapeutics

Fullerton, C. W., M.D., C.M.,
F.A.C.P. Assoc. Prof.
Frank, B. L., B.Sc., Ph.D., D.P.H.
Lectr.

*Gynæcology, v. Obstetrics and
Gynæcology*

Health and Social Medicine

Vivian, R. P., M.D. Tor.
Strathcona Prof.

Associate Professors

Fleming, D. S., B.A., M.D., C.M.,
D.P.H. Tor.
MacMillan, C. W., M.D., C.M. Dal.,
D.P.H. Tor.
Bain, Mrs. Marian A., M.Sc. Col.,
B.H.S. Asst. Prof.

Lecturers

Blumefield, E. A., D.P.H. Tor.,
M.D., C.M.
Burke, H. E., M.D., C.M., M.Sc.,
Ph.D.
Cooke, Ethel B.
Cruikshank, W. H., M.D., D.P.H.,
D.Psy. Tor.
Ross, H. G., E.D., M.D., C.M.
Silverman, B., M.D., C.M.
i Demr.

*Medical Jurisprudence, v. Toxi-
col. and Med. Jurisp.*

Medicine

Browne, J. S. L., B.A., B.Sc.
(Med.), M.D., C.M., Ph.D.,
F.A.C.P., F.R.C.P.Can.,
F.R.S.C. Prof.
Brow, G. R., M.D., C.M.,
F.R.C.P.Can., F.A.C.P. Prof.
Mills, E. S., M.D., C.M., M.Sc.,
F.R.C.P.Can., F.A.C.P. Prof.

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Evelyn, K. A., B.Sc., M.D., C.M.,
F.R.C.P.Can., F.A.C.P.
Feeney, N., B.A. Loyola, M.D.,
C.M., F.A.C.P.
Fullerton, C. W., M.D., C.M.,
F.A.C.P.
Mitchell, H. S., B.A., M.D. Qu.,
F.A.C.P.
Rose, B., B.A., M.D., C.M., M.Sc.,
Ph.D.
Scriver, W. de M., M.A., M.D.,
C.M., F.R.C.P.Can., F.A.C.P.
Venning, Eleanor H., M.Sc., Ph.D.

Clinical Professor

Ereaux, L. P., B.Sc., M.D., C.M.

Assistant Professors

Adams, L. J., M.D., C.M., F.R.C.P.
Can., F.A.C.P.
Bensley, E. H., M.B.E., B.A.,
M.D. Tor., F.A.C.P.
Burke, H. E., M.D., C.M., M.Sc.,
Ph.D.
Cameron, D. G., M.C., B.Sc. Sask.
and Oxon., M.D., C.M.
Copping, G. A., M.D., C.M.,
F.R.C.P.Can.
Forsey, R., M.D., C.M.
Hill, W. H. P., B.A., M.D., C.M.
Howlett, J. G., M.D., C.M., M.Sc.,
F.R.C.P.Can.
Johnson, L. G., B.Sc., M.D., C.M.,
F.R.C.P.Can.
Kalz, F., M.D. Prague.
Kennedy, W. R., B.Sc., M.D., C.M.
Lowenstein, L., B.A., M.D. Van-
derbilt, F.A.C.P.
McIntosh, J. F., B.A. New Br.,
M.D., C.M.

Mackenzie, K. R., B.A., M.D.,
C.M., Ph.D.

Mendel, D. L., M.D., C.M.

Moffatt, C. F., B.A., M.D., C.M.,
F.A.C.P.

Palmer, J. H., M.D., C.M.,
F.R.C.P. Lond. and Can.,
F.A.C.P.

Pattee, C. J., B.A. Bishop's, M.D.,
C.M., M.Sc.

Segall, H. N., M.D., C.M., F.A.C.P.

Smith, F. McI., M.D., C.M., M.Sc.,
F.A.C.P.

Townsend, S. R., B.A., M.D., C.M.

Lecturers

Aronovitch, M., B.Sc., M.D., C.M.,
F.R.C.P.Can.

Barker, C. S., B.A., M.D., C.M.,
F.R.C.P.Can., F.A.C.P.

Bennetts, R. C., A.B. Calif., M.D.,
C.M.

Brabander, J. O. W., M.D., C.M.

Cleghorn, R. A., M.D. Tor., D.Sc.
Aberd.

Craig, G. E., B.Com., M.D., C.M.,
D.T.M.

Cramer, H. I., B.Sc., M.D., C.M.,
F.R.C.P.Can.

Fowler, A. F., M.D., C.M.,
F.R.C.P.Can.

Halpenny, G. W., B.Sc., M.D.,
C.M., F.R.C.P.Can., F.A.C.P.

Malloy, C. J., B.A. Montr., M.D.,
C.M., F.R.C.P.Can.

Margetts, E. L., B.A. Br. Col.,
M.D., C.M.

Meakins, J. F., M.A. Camb., M.D.,
C.M., F.R.C.P.Can.

Mitchell, D. S., B.Sc., M.D. N.W.

McKenna, R. D., B.A. Montr.,
M.D., C.M., F.R.C.P.Can.

McLellan, W. G., B.A., M.D., C.M.

Quintin, T. J., M.D., C.M., F.A.C.P.

Rodger, W. S., M.D., C.M.

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.

Usher, B. D., B.A., M.D., C.M.

Ward, R. V., M.D., C.M., F.R.C.P.
Can.

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.
29 Demrs., 5 Teaching Fellows.

Neurology and Neuro-Surgery

Penfield, W. G., C.M.G., Litt.B.,
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

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.).

Young, A. W., M.D., C.M.,
F.R.C.P.Can. (Neurol.).

Ajmone-Marsan, C., M.D., Turin
Lectr. and Bronfman
Fellow.

Elliott, H. W., B.Sc., M.D., C.M.
(Neurol.) Lectr.

Lloyd-Smith, D. L., M.D., C.M.,
F.R.C.P. Lectr.

Tower, D. B., M.D. Harv., M.Sc.

Fisher, C. M., B.A., M.D. Tor.
Neurol. Consultant.

1 Demr.

Obstetrics and Gynæcology

Philpott, N. W., M.D., C.M.,
F.R.C.O.G., F.A.C.S.,
F.R.C.S.Can. Prof.

Assistant Professors

Henry, J. S., M.D., C.M., F.A.C.S.
Percival, Eleanor S., B.A., M.D.,
C.M., F.R.C.S.Can.

Simpson, G. A., M.D., C.M.,
F.R.C.O.G., F.A.C.S.

Strean, G. J., B.A., M.D., C.M.,
F.A.C.S., F.R.C.S.Can.

Ward, C. V., B.A. Bishop's, M.D.,
C.M., F.R.C.S.Can., F.A.C.S.

Lecturers

Foote, W. R., B.A. Br. Col., M.D.,
C.M., F.A.C.S.

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.

MacFarlane, K. T., M.D. W. Ont.,
F.A.C.S.

Maughan, G. B., M.Sc., M.D.,
C.M., F.A.C.S.

Patrick, I., B.A., M.D., C.M.,
F.R.C.O.G.

Sparling, D. W., M.D. Tor.,
F.A.C.S.

9 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.

Viger, R. J., M.D., C.M.

4 Demrs.

Oto-Laryngology

McNally, W. J., B.A., M.D., C.M.
Dal., D.Sc., F.R.C.S.Can.

Prof.

Scharfe, E. E., M.D., C.M., D.L.O.
Asst. Prof.

Tremble, G. E., M.D., C.M.,
D.L.O., F.R.C.S.Can.

Asst. Prof.

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.

2 Demrs.

Pædiatrics

Goldbloom, A., B.A., M.D., C.M.,
F.R.C.P.Can. Prof.

Ross, A., M.D., C.M. Assoc. Prof.

Assistant Professors

Geddes, A. K., M.D., C.M.

Scriven, 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.

Denton, R. L., B.Sc., M.D., C.M.

MacDermot, P. N., M.D., C.M.

12 Demrs., 5 Teaching Fellows.

Parasitology, v. Macdonald Col-
lege, *Inst. of Parasit.*, *infra*

Pathology

Duff, G. L., M.A., M.D., Ph.D.
Tor., F.R.S.C.

Dean of Fac. and Strath-
cona 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. Manlt.

Waugh, D. O. W., M.D., C.M.,
M.Sc., Ph.D.

Assistant Professor

Kobernick, S. D., M.D., C.M.,
M.Sc., Ph.D.

Lecturers

Mackenzie, M. B., B.Sc., M.D.,
C.M.

Mathews, W. H., M.D., C.M.

Wiglesworth, F. W., M.D. Manit.

Ross, R. C., M.D. Tor., M.Sc.

Sessl. Lectr.

2 Demrs.

Pharmacology and Therapeutics

Stehle, R. L., M.A. Ohio State,

Ph.D. Yale (Pharm.) Prof.

Melville, K. I., M.D., C.M., M.Sc.

(Pharm.) Assoc. Prof.

Beck, I. T., M.D. Geneva Lectr.

*Physiology, v. supra**Physiotherapy, 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 Psy-

chiatry.

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.

Assistant Professors

Dancey, T. E., M.D., C.M.

Hanson, F., B.Sc. Wis., M.D.
Nebraska.

Reed, G. E., M.B. Tor.

Statten, T., M.D. Tor.

Wittkower, E., M.D. Berl.

Lecturers

Albert, S., B.A., M.D., C.M.

Bos, C. G., B.A., M.D., C.M.

Emanuel, E., B.A., B.M., B.Ch.

Oxon., D.Ch., D.P.M. Lond.

Hershon, H., M.D. Geneva, B.Sc.

Hisey, L. G., M.D. Tor.

Kral, V. A., M.D. Prague.

Lehmann, H., M.D. Berl.

Margetts, E. L., B.A. Br. Col.,
M.D., C.M.

MacLeod, A. W., B.Sc., M.B.,

Ch.B., D.P.H. Glas., D.Psy.M.

Lond.

Skitch, C. H., B.A., M.D. Alta.

8 Demrs.

Radiology

Peirce, C. B., A.B., M.Sc., M.D.

Mich., F.A.C.P. Prof.

Bouchard, J. J. L., M.D. Laval,

D.M.R.E. Camb. Assoc. Prof.

McKay, J. W., M.D., C.M. Dal.

Assoc. Prof.

McRae, D. L., M.D. W. Ont.

Asst. Prof.

Newsham, L. G. S., B.A. Sask.,

Ph.D. (Physics) Asst. Prof.

Brown, N., B.A., M.D., C.M.

Lectr.

Crutchlow, E. F., O.B.E., B.A.,

M.D., C.M. Lectr

2 Demrs.

Surgery

Miller, G. G., M.D., C.M., M.Sc.,

F.R.C.S.Can., F.A.C.S. Prof.

Associate Professors

Armour, J. C., M.D., C.M., M.Sc.

Ross, D. E., M.D., C.M., M.Sc.,

F.A.C.S., F.R.C.S.Can.

Rowe, P. G., B.Sc., M.D., C.M.,

F.R.C.S.Can.

Wilkie, A. L., B.A. St. F. X., M.D.,

C.M.

Clinical Professor

Smith, E. S., M.D., C.M., F.R.C.S.

Can., F.A.C.S.

Assistant Professors

Dawson, H. L., B.A., M.D., C.M.

Gardner, C. M., M.D., C.M.,

F.R.C.S.Eng. and Can.,

F.A.C.S.

Kaufman, M., M.D., C.M.

Luke, J. C., M.B.E., B.A., M.D.,
C.M., F.R.C.S.Can. and Eng.
McIntosh, C. A., B.A., M.D., C.M.
Martin, S. J., M.D., C.M., F.R.C.S.
Ed. and Can.
Morton, H. S., O.B.E., B.A.,
M.Sc. Dal., M.B., F.R.C.S.
M.Sc. Dal., M.B. Lond.,
F.R.C.S. Eng. and Can.,
F.A.C.S.
Moseley, H. F., M.A., D.M., M.Ch.
Oxon., B.A., F.R.C.S.Eng.
and Can., F.A.C.S.
Petrie, J. G., M.D., C.M.
Reid, R. G., M.D., C.M.
Shannon, J. G., M.D. Tor., F.A.C.S.
Webster, D. R., O.B.E., B.A.,
M.D., C.M. Dal., M.Sc.,
Ph.D., F.R.C.S.Can. (Exper.).

Lecturers

Baxter, H. A., D.D.S., M.D.,
C.M., M.Sc.
Baxter, S. G., M.D., C.M., M.Sc.,
Ph.D.
Dolan, H. S., B.A., M.D., C.M.
Dal., F.A.C.S.
Gerrie, J. W., B.A., D.D.S. Alta.,
M.D., C.M., D.L.O.
Hawthorne, A. B., B.A., M.D., C.M.
Little, G. D., M.D., C.M., F.A.C.S.
MacDonald, S. A., B.A., M.B.,
Ch.B. Edin.
MacKenzie, D. W. (Jr.), M.A.
Camb., M.D., C.M., D.Sc. Col.,
F.R.C.S.Can.
McNaughton, E. A., M.D., C.M.,
F.R.C.S.Can.
Pretty, H. G., M.D., C.M., F.A.C.S.
Vineberg, A. M., M.D., C.M., M.Sc.,
Ph.D.
Walker, J. A. L., B.A., M.D., C.M.,
F.A.C.S., F.R.C.S.Can.
22 Demrs., 4 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.
Anhalt, I.
Asst. Prof. and Lady
Davis Fellow.
Brott, A., L.Mus. Asst. Prof.
Duchow, M., B.A. N.Y., Mus.B.
Asst. Prof.
Tupper, R. de H. Lectr.
17 Instrs.

School for Graduate Nurses

Green, Edith J., B.A. Br. Col.,
L.S. Wash., Dip. Nurs.
Asst. Prof. in, and Acting
Dir. of Sch.
Peverley, Ann, B.Sc. Col.
Asst. Prof.

Lecturers

Holder, Janet M., B.N.
Logan, Elizabeth, B.Sc. Acad.,
M.N. Yale.
Marshall, Kathleen, Nurs. Cert.
Tor.
Yeats, Gertrude L., Model Sch.
Dip. Cert.

Physical Education

Kirkpatrick, J. B., B.A., M.Ed.
Sask., Ed.D. Col.
Dir. of School and Prof.
Obeck, V. F., B.Sc. Springfield,
M.A. Col. Dir. of Athletics.
Smit, J. S., B.A., M.D., C.M.
Consulting Surgeon
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. Spring-
field Assoc. Prof.

Assistant Professors

Bean, Gladys, M.A. Col., Dip.
M.S.P.E.

Ryan, H. R., B.A. Acad., B.P.E.

Springfield.

Wagner, Thelma, B.Sc., M.A. N.Y.

Wood, Winona, B.A., B.Ed. Sask.,
M.A. Col., Dip. M.S.P.E.

Lecturer

Wilkinson, R. E., B.Sc. (P.Ed.).

5 Instrs.

Physical and Occupational Therapy

Fisk, G. H., B.A., M.D., C.M.,
D.T.M. and H.

Dir. and Lectr.

Nicholson, Helen M.

Asst. Dir. and Lectr.

Miller, Barbara, B.A. Qu., Dipl.
Occ. Therapy Tor. Lectr.

Riddell, Sheila S. Lectr.

(Instruction is given by members
of the Fac. of Medicine, Sch.
for Graduate Nurses, and Sch.
of Physical Educ.)

6 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.Sc. Soc. Wk. 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, Dorothy R., B.A., Dip.
Soc. Wk.

Tuck, Helen H., B.A. Manit.,
M.S.W.

Lecturers

Brandtner, F.

Irvine, Lucille, M.A.

Weiss, D., B.S.S. N.Y.

Zavitzianos, G., M.D. Montpelier.

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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. Assoc. 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, D.Sc. Laval Asst. Prof.
Henneberry, G. O., B.Sc. Dal. Lectr.

Agricultural Economics

MacFarlane, D. L., B.S.A., M.Sc. Sask., Ph.D. Minn. Prof.
Carr, D. W., B.A. B.S.A. Sask., M.Sc. Wis. 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.
Kinneary, J. K., M.A. Br. Col. Lectr.

1 Demr.

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.
Steppeler, H. A., B.Sc. Agr. Manit., M.Sc. Asst. 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. 1 Instr.

Animal Nutrition

Crampton, E. W., B.S. Conn., M.S. Iowa, Ph.D. Corn., F.R.C.S., F.C.I.C. Prof.
Schurch, A. F., Agric. Eng., Dr. Tech. Scs. Zürich 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.A.I., F.R.S.C. Dean and Prof.
Du Porte, E. M., B.S.A., M.Sc., Ph.D. Assoc. Prof.
Morrison, F. O., B.A., M.Sc. (Agr.) Alta., Ph.D. Assoc. Prof.
Whitehead, W. E., M.Sc. Asst. Prof.

Moore, G. M.

Curator.

*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. Assoc. Prof.
Nikolaiczuk, N., M.Sc. Alta.,
Ph.D. Ohio State

Assoc. Prof.

Institute of ParasitologyCameron, T. W. M., T.D., M.A.,
D.Sc. Edin., Ph.D. Lond.,
F.R.S.C. Director and Prof.Fairbairn, D., B.A. Qu., Ph.D.
Rochester Assoc. Prof.Miller, M. J., B.Sc. Sask., M.D.
Qu., Ph.D. Tulane, M.Sc.

Assoc. Prof.

Harpur, R. P., B.Sc. N.Z., M.Sc.,
Ph.D. Asst. Prof.Choquette, L., D.V.M. Montr.,
M.Sc. Lectr.

1 Demr., 1 Asst.

Household ScienceNeilson, Helen R., M.B.E., B.H.S.,
M.Sc. Dir. and Assoc. Prof.Farmer, Florence A., B.H.S.,
M.Sc., Ph.D. (Nutrition)

Asst. Prof.

Honey, F. Isabel, M.A. Tor.
(Home Econ.) Asst. Prof.**Lecturers**Brown, Kathleen H., B.Sc. (H.
Ec.).Brundrett, Doris S., B.Sc. (H. Ec.).
Devereaux, Helen L., M.A. Tor.Jenkins, Marjorie M., B.Sc. (H. Ec.)
Alta.Stickwood, Alice M., B.S., M.A.
Col.Trapp, Margaret A., M.A. Col.,
B.Sc. (H.Ec.).

1 Demr.

School for Teachers

Munroe, D. C., M.A.

Director and Prof. of
Educn.Hall, C. W., M.A. Bishop's Prof.
Hanson, F. K., Mus.D. (Music)

Assoc. Prof.

Hawkins, S. C. McL., Doctorat
Paris, M.A. Asst. Prof.Henry, A. M., B.A. Lond., M.A.
(Educn.) Asst. Prof.**Lecturers**

Bowers, Phyllis, B.A. Qu.

Hamilton, J. W., B.A. Tor.

Jacques, A. Elizabeth.

Péron, Adèle P., B.Sc. (P.Ed.).

Woodburn, Rachel E. L., B.A.
Qu., M.A. Middlebury.Doxsee, Rev. F. A. C., B.A. Tor.
and Oxon. (Relig. Instruc-
tion) Hon. Lectr.**ADMINISTRATIVE AND OTHER STAFF (MACDONALD COLLEGE)**Physician in the Macdonald Health Service : Kelso, R. F., M.A., M.B. 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 : Shipley, W. S., 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 2-yr. course in Engin. of these Univs. are admitted directly to the 4th yr. in McGill Engin. courses, except in Chemical Engin., for which special arrangements are at present necessary.

NOVA SCOTIA AGRICULTURAL COLLEGE, Truro, N.S. Actg. Principal—Kenneth Cox, M.S.A. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in the Faculty of Agriculture at Macdonald College.

PRINCE OF WALES COLLEGE, Charlottetown, P.E.I. : Principal—F. MacKinnon, M.A. ; and MEMORIAL UNIVERSITY OF NEWFOUNDLAND, St. John's, Newfoundland : President—A. G. Hatcher, M.A. McG., LL.D. Mt. All. and Dal. Students who have completed the 2-yr. course of study are admitted to the 3rd yr. in some of the undergraduate faculties.

AFFILIATED THEOLOGICAL COLLEGES

DIOCESAN COLLEGE OF MONTREAL, 3473 University Street, Montreal, P.Q. (*Telephone* : Marquette 3004.) Principal—.....

PRESBYTERIAN COLLEGE, 3485 McTavish Street, Montreal, P.Q. (*Telephone* : Plateau 5754.) Principal—Rev. Robert Lennox, M.A., Th.B., D.D.

UNITED THEOLOGICAL COLLEGE, 3508 University Street, Montreal, P.Q. (*Telephone* : Belair 0752.) Principal—Rev. George G. D. Kilpatrick, B.A., D.D.

GENERAL INFORMATION

Established in 1821 by Royal Charter. For early history and constitution, see *Yearbook* for 1929. Income from Investments, about \$1,500,000.

EQUIPMENT. *Libraries* : General, 625,485 vols. (incl. Macdonald Agric. Coll. library) ; Medical, 70,000 vols. Special collections : Blackader Library of Archit. ; Blacker Library of Zool. ; Lyman Collection of Entomol. ; Osler Library of the Hist. of Science (12,000 vols) ; Redpath Pamphlet Collection ; and Wood Library of Ornithol. *Laboratories* : Anat., Bact., Genetics, Geol., Chemistry, Physics, Zool., Bot., Physiol., Biochem., Pharmacol., Neurol., Engin., Electronics, Psychol. and Psychiatric Research, Medical Research, Pulp and Paper Research, Agric. Research, Radiation (with cyclotron), Biophysics, Health and Social Medicine. *Research Institutes* : Biophysics, Parasitology, Pulp and Paper, Psychiatry, Indust. Relns. *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. 711.

SCHOOLS AND DIRECTORS. *Archit.*—J. Bland ; *Commerce*—H. D. Woods ; *Household Science*—Helen Neilson ; *Library Science*—Miss Vernon Ross ; *Nursing*—..... ; *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), B.D., 3 yrs. postgraduate; M.D., C.M., 4 yrs. postgraduate; B.C.L., 4 yrs. after B.A.; B.N. (Nursing), 7 yrs.

HIGHER DEGREES. M.A., M.Com., M.C.L., M.Sc., M.Eng., M.Arch., M.S.W., M.Sc. (Appl.), M.S.T. (Theol.)—1-yr. resident graduate study, thesis and examn.; Ph.D., D.Sc. (Appl.)—3 yrs.' graduate study; D.C.L.—by valuable contribution to legal science; Mus.D.—by a composition and examn. not less than 7 yrs. after taking the Mus.B.

DIPLOMAS. Graduate 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 (1951-52). Yearly tuition: Arts, \$300; Sci., \$325; Fine Arts, \$275; Engin., \$400; Architecture, \$400; Med., \$525; Dent., \$425; Law, \$325; Divinity, \$250; Music, \$300; Library School, \$325; Commerce, \$325; Physical Educ., \$325; Social Work, \$325; School for Grad. Nurses (Diploma Course), \$250, (Degree Course), \$300; Physiotherapy, \$325. Graduate Faculty yearly tuition fees: Full-time required study in residence, \$250; resident study beyond minimum period, \$25; non-resident registration, \$10; for D.C.L. and Mus.D. only, combined registration and graduation fee, \$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. (301 students)—Warden: Dr. Muriel V. Roscoe, \$680-\$685 p.a.; McLennan Hall (28 students), \$565-\$660 p.a. Men: Douglas Hall (147 students)—Warden: Dr. F. M. Watkins, \$650-\$750 p.a., depending on course; Wilson Hall (71 students), \$620-\$650 p.a., depending on course. II. 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.A., B.Sc. Oxon., Dulwich College, London, S.E.21. *Telephone*: Whitehall 5100.

PUBLICATIONS. (Free): *Calendar* (October); *General Announcement* (for intending students) (May); *Faculty and School Announcements* (May to Aug.); *Directory of Staff* (Feb.); *Annual Report* (Dec.); *McGill News*, quarterly, by Graduates' Soc.; *McGill Daily*, by students. *McGill and its Story*, 1821-1921, by Cyrus Macmillan (London, John Lane; Toronto, Oxford Univ. Press, \$3); *A Historical Sketch of the Medical Faculty and of the Origin of McGill University*, by Dr. Maude Abbott; *Oldest McGill*, by E. A. Collard (Macmillan, \$2); *McGill University at War*, 1914-18, 1939-45, by R. C. Featherstonhaugh (McGill University, 1947, \$3).

THE YEAR 1950-51

BENEFACTIONS. \$4,215,504.

NEW BUILDINGS. Phys. Science Bldg; improvement to Phys., Chem. and Engin. Bldgs.; extension to Neurol. Inst. begun; extension to Univ. Library begun.

RETIREMENTS. Prof. Carl A. Dawson (Sociol.); Prof. L. S. Heimpel (Agric. Engin.); Prof. G. C. Melhado (Obstet.); Prof. J. J. O'Neill (Geol. Scis.); Prof. A. N. Shaw (Phys.).

RESIGNATIONS. Prof. G. C. Ashton (Animal Nutrition); Prof. J. F. Burgess (Med.); Prof. G. L. Burton (Agric. Econ.); Prof. R. T. Davis (Fine Arts); Prof. Joan de Vries (Bacteriol.); Prof. C. H. Elledge (Soc. Work); Prof. R. R. Fitzgerald (Surg.); Prof. K. Gordon (Med.); Prof. R. A. Ludwig

(Plant Pathol.); Prof. R. H. More (Pathol.); Prof. H. C. Oatway (Mech. Engin.); Prof. M. D. O'Shaughnessy (Mining Engin.); Prof. N. V. Polunin (Bot.); Prof. I. M. Rabinowitch (Med.); Prof. R. C. Ross (Pathol.); Prof. P. A. Solberg (Psychol.); Prof. C. F. Wrigley (Psychol.).

DEATHS. Prof. C. C. Birchard (Med.); Prof. H. M. Elder (Surg.); Prof. J. Kershman (Neurol.); Prof. D. McEachern (Neurol.); Emer. Prof. G. W. Scarth (Bot.).

HONORARY DEGREES. *D.Sc.*—J. A. McCrory, J. T. Williamson. *LL.D.*—Lady Eaton, M. T. MacEachern, The Hon. D. C. Abbott, The Hon. Brooke Claxton, L. W. Douglas, The Rt. Hon. Sir Oliver Franks.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	201	4999
Women	309	1843
Total	510	6842

Included in the above are 732 postgraduate students and 1200 first-year admissions.

DEGREES. B.Sc. (Agric.), 93; B.Arch., 40; B.A., 282; M.A., 42; B.Com., 122; M.Com., 2; D.D.S., 37; B.Div., 8; B.Eng., 351; M.Eng., 21; B.F.A., 3; B.Sc. (H. Ec.), 31; B.C.L., 58; M.C.L., 1; B.Lib.Sci., 43; M.D., C.M., 116; B.Mus., 3; B.Nurs., 16; B.Sc. (Phys. Educ.), 40; B.Sc., 207; M.Sc., 104; B.Soc. Work, 40; M.Soc. Work, 14; Ph.D., 65; M.Ps.Sc., 5.

DIPLOMAS. Grad. Nurses, 45; Music (L. Mus.), 6; Grad. Dip. in Med., 45; Physiotherapy, 13.

MACDONALD COLLEGE DIPLOMAS. Agric., 23; Advanced Agric., 1; Homemakers, 13.

McMASTER UNIVERSITY*

Founded 1887

Postal Address : Hamilton, Ont.

Telephone : 3-7104.

CHANCELLOR—E. C. FOX, B.A., LL.D.

PRESIDENT AND VICE-CHANCELLOR—GEORGE PEEL GILMOUR, M.A.
Yale, D.D. Vic. Tor., D.C.L. Acad., LL.D. Qu., 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*—Prof. H. S. ARMSTRONG, M.A. Tor., Ph.D.
Chic. ; *Assoc. Dean of Arts and Science*—Prof. A. W. PATRICK,
M.A. Manit., D. de l'U. Paris ; *School of Divinity*—Prof. N. H.
PARKER, B.S. Mississippi, Th.D. South. Bap. Th. Sem.

REGISTRAR—CHARLES W. H. LINTON, B.A.

BURSAR—W. N. PATERSON, B.A.

LIBRARIAN—MARGET H. C. MEIKLEHAM, M.A.L.S. Mich., B.A.

TEACHING STAFF

UNIVERSITY COLLEGE

Classics

Stearn, C. H., M.A. Camb., B.D.
Lond., Ph.D. Tor. Prof.

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. Lectr.

Fine Arts

Jackson, Naomi, M.A. McG., A.M.,
Ph.D. Radcliffe Asst. Prof.

French, v. Romance Languages

German

Martin, A. P., B.A. Brown, M.A.,
Ph.D. Wis. Prof.

Denner, K., M.A. Kentucky, Ph.D.
Johns H. Lectr.

Heimrich, C. W., M.A. Tor.
Sessl. Lectr.

History

New, C. W., B.A. Tor., Ph.D. Chic.,
B.D., F.R.Hist.S., F.R.S.C.

Emer. Prof.

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

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. Asst. Prof.
 French, G. S., M.A. Tor. Lectr.
 Kilbourn, W. M., B.A. Tor. and Oxon., M.A. Harv. Sessl. Lectr.

Philosophy, Psychology, and Ethics

Waters, F. W., Ph.D. Yale, B.A., B.D. Prof.
 Dulmage, H. A., Ph.D. Chic., B.A., B.D. Asst. Prof.
 Jury, G. S., M.B.E., M.A., Ph.D. Yale, B.A. Prof.

Political Economy

Michell, H., B.A. Oxon., M.A. Manit., F.R.S.C. Emer. Prof.
 Graham, J. E. L., M.A., B.Litt. Oxon., B.A. Tor. Prof.

MacGibbon, D. A., Ph.D. Chic., M.A., LL.D., F.R.S.C. Prof.
 McIvor, R. C., B.A. W. Ont., M.A., Ph.D. Chic. Assoc. 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. 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. Prof.

Assistant Professors

Bronner, F. J. L., B.A. Qu., M.A. McG., Ph.D. Ott.
 Stock, Marie, B.A. Qu., M.A. McG.
 Hampel, L. E., M.A. Tor. Lectr.
 Peterson, H., M.A. Tor. Sessl. Lectr.

Spanish, v. Romance Languages

HAMILTON COLLEGE

Botany and Conservation

Radforth, N. W., M.A. Tor., Ph.D. Glas. Prof.
 Miller, J. J., B.A., Ph.D. Tor. Assoc. Prof.

MacClement, W. D., B.A. Qu., Ph.D. Camb. Assoc. Prof.
 Laking, L., B.S.A. Tor. Sp. Lectr.

Chemistry

Thode, H. G., M.B.E., M.Sc. Sask., Ph.D. Chic., F.R.S.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. Assoc. Prof.

Graham, R. P., M.A. Qu. and Col., Ph.D. Col., F.C.I.C. Assoc. Prof.

Bourns, A. N., B.Sc. Acad., Ph.D. McG. Assoc. Prof.

Hutcheon, A., M.A. Sask., Ph.D. McG. Asst. Prof.

Kirkwood, S., B.Sc. Alta., M.S., Ph.D. Wis. (Biochem.) Asst. Prof.

Tomlinson, R. H., B.Sc. Bishop's, Ph.D. McG. Asst. Prof.

Geography and Anthropology

Lane, N. D., B.A. Qu., M.A., Ph.D. Tor. Asst. Prof.

Reeds, L. G., M.A. Tor. Asst. Prof.

Parker, W. H., M.A., B.Sc. Oxon. Sessl. Lectr.

Lectr. Alderson, Henrietta J., B.Sc. Col.
Lectr.

Armstrong, H. S., M.A. Tor.,
Ph.D. Chic.

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

Sessl. Lectr.

Dawes, H. F., M.A., Ph.D. Tor.,
F.R.S.C. Prof. Emeritus.

McLay, A. B., M.A., Ph.D. Tor.,
B.A., F.R.S.C. Prof.

Duckworth, H. E., B.A., B.Sc.
Manit., Ph.D. Chic. Prof.

Johns, M. W., Ph.D. Tor., M.A.
Assoc. Prof.

Gulbis, F., M.Sc. Petrograd and
Riga Assoc. Prof.

Riga Assoc. Prof.
Zoology

Zoology

Kleerekoper, H., Grad. Agric.
Sch. of Natls. M. A. Ph. D.

Mich. Assoc. Prof.

Davies, D. M., B.A., Ph.D. Tor.
Asst. Prof.

Asst. Prof., Dir. of N.
Educn.

Delzell, D. E., B.Sc. Toledo, M.Sc.
Mich. Lectr.

Church History

Albaugh, G. P., B.A. Ohio State,
B.D. Colg.-Roch. Assoc. Prof.

Bates, Mrs. Marion, B.A.
Sp. Lectr. in Practical
Nursing, Dean of
Women.

Hebrew and Old Test. Interpretation

Parker, N. H., B.S. Mississippi,
Th.D., South. Bap. Th. Sem.
Prof., Dean (Divinity
Sch.).

Leadership Training

Tupper, Lois A., B.A., B.Ed.
Sask., M.A. Col.

Asst. Prof. of Religious
Educn., Dir. Leader-
ship Trng. Sch.

Missions and Religious Educa- tion

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., B.A. Harv. and
Roch., D.D. Roch., B.D.
Roch. Theol. Sem.,
Prof., Emer. Dean of
Theol.

Speech

Bullen, F., B.A.

Sp. Lectr.

Theology

Aldwinckle, R. F., B.A. Lond.,
M.A. Oxon., D.Th. Stras-
bourg Asst. 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 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. to Registrar : A. S. Barley, B.A.

ATHLETICS AND PHYSICAL EDUCATION. Dir., Ivor 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.

UNIVERSITY NAVAL TRAINING DIVISION. Cmdr. (S.B.) A. B. McLay, Cmdg. Officer ; A./Lt. J. A. Jamieson, Staff Officer ; A./Lt. (S.B.) G. G. Harrop, Divisional Officer.

CANADIAN OFFICERS' TRAINING CORPS. Maj. E. T. Salmon, Officer Cmdg. ; Maj. G. A. Donaldson, Resident Staff Officer ; Capt. W. N. Paterson, Adjutant.

GENERAL INFORMATION

McMaster University, named after Senator William McMaster (1811-87), whose will provided its original endowment, operates under the terms of an Act of Incorporation granted by the Legislative Assembly of Ontario in 1887 and revised in 1949. The University corporation consists of the Board of Governors, sixteen of its eighteen members being elected from and by the Baptist Convention of Ontario and Quebec. Academic work is directed by a Senate composed of the members of the Board of Governors and representatives of the faculty and the graduates. There are no religious tests for students, but persons holding regular teaching appointments under the Board of Governors must be members of an evangelical church. This does not apply to members appointed to the Hamilton College staff.

Historically, the University is the outgrowth of educational work begun in Canada Baptist College, Montreal (1838-49). But the educational programme, of which the Univ. is the continuing result, dates from 1857, when the Canadian Literary Institute was founded in Woodstock. The theological part of the work of this co-educational school was transferred in 1881 to Toronto, where a building had been erected for it by Senator McMaster. It took the name Toronto Baptist College. The Institute then became Woodstock College, which continued as a preparatory school for boys until it closed in 1926. The two colleges formed the nucleus of McMaster Univ. when it was incorporated in 1887.

Changed educational conditions led in 1927 to the decision of the Board

of Governors to move the Univ. to Hamilton, which decision was approved by the Convention, the removal being completed in 1930, the forty-first academic session opening on the new site.

In Jan. 1948, an important reorganization of the Univ. for purposes of administration and finance was carried through. Students and academic depts. were divided into three colleges: The Divinity School, a College of Theology operated mainly on a postgraduate basis; University College, the Arts College of the Univ., in which all Junior Division students are registered; and Hamilton College, which maintains under its own Board of Governors the depts. of Physics, Chem., Mathematics, Geog., Geol., Bot., Zool., and Nursing Education. Hamilton College is an affiliated college of the Univ., legally and financially independent, but under the academic control of the Univ.'s Senate.

INCOME for July 1950 to June 1951. Endowment, \$79,892; Grants, Govt., \$290,205; Other, \$37,127; Fees, \$256,031; Sundries, \$34,428; Ancillary Enterprises (Residences, Book Store, Cafeteria, Athletics, etc.), \$233,023—total, \$930,706.

FACULTIES AND DEANS, v. p. 733.

LIBRARY, 78,000 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. and Phys. 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.

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 accommodation for about 100 beds; Edwards Annex (*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 any kind of adult educational services for which there is a public demand and for which approved lecturers can be provided. A wide range of work is offered which may be summarized as follows: (a) subjects taken for academic credit toward a B.A. degree, or toward the fulfilment of requirements for the Teachers' Permanent First Class Certificate, or toward the Vocational Guidance Diploma; (b) subjects taken toward fulfilment of requirements for the R.I.A. degree. The Dept. maintains a number of outside centres at which the regular academic courses are made available to candidates for the above certifications.

In addition to the formal academic courses, a wide variety of classes, mainly in the cultural field, is offered to adults who attend for interest's sake. The Dept. provides a "Lecture Service" operated in the interests of groups desiring speakers from among the faculty. The *University Extension Calendar*, containing detailed information concerning both the Winter Evening Classes and the Summer School is published annually in the month of March.

BURSARIES, etc. open to undergraduates entering the Univ. Hamilton Citizens' Memorial Bursary, primarily for children of veterans from Wentworth County killed or disabled in 2nd 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 educual., 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 1950-51

BENEFACTIONS. Miss Emma Fox, fund of \$4000, the income to assist women in the Women's Leadership Training School; Women's Boards of the Baptist Convention of Ont. and Quebec, \$1662 for same purpose; T. Camelford, fund of \$10,000, the income to assist children of Baptist ministers and missionaries; donated scholps., \$874; Atkinson Charitable Foundation, \$20,000, over 3 yrs., to re-establish Dept. of Fine Arts, and fund of \$2000 for bursaries in 1951-52; H. N. Fox estate, \$1000; A. H. Wilson estate, \$500; Hamilton Labour Council, C.C.L.-C.I.O., \$250, to establish \$50 scholp. in econ., for 5 yrs. from year '49. Varying sums for scholp. and operational purposes from individuals. The Alumni Association is continuing its campaign for annual contributions from graduates.

NEW BUILDINGS. Mills Memorial Library, Nuclear Res. Bldg. and Alumni Memorial Bldg. opened in May 1951; the Nuclear Res. Bldg. (the 1st bldg. belonging to Hamilton Coll.) was erected and equipped at a cost of over \$675,000—funds being received chiefly from Hamilton district, and certain equipment provided by the National Res. Council—it is devoted entirely to research; the Alumni Memorial Bldg. is the 1st unit of a students' union, is a memorial to McMaster men who died in World Wars I and II, and cost \$185,000, the gift of alumni and undergraduates; space in Univ. Hall used as Library before construction of the Mills Memorial Library made into Divinity School wing, with small chapel, offices, lecture rooms and common-room.

RETIREMENT. C. W. New (Hist.), apptd. Emer. Prof. of Hist.

RESIGNATIONS. J. W. Watson (Geog.), to continue in post in Geog. Branch, Dept. of Mines and Technical Surveys, Ottawa; Mrs. Ross Thomas (nursing services), apptd. Supervisor of Residences, Toronto Western Hosp.

DEATH. A. E. Warren (Zool.).

HONORARY DEGREES. *D.D.*—Rev. H. R. Nobles, Temple Baptist Church, Windsor; Rev. C. R. Duncan, Grimsby Baptist Church. *LL.D.*—J. B. Challies, executive engineer, Montreal; R. S. Longley, Dean of Arts and Science, Acadia Univ.; W. H. Cooper, industrialist of Hamilton and Chairman, Hamilton Coll. Bd. of Governors; W. S. Wallace, librarian, Univ. of Toronto; Rev. A. G. Butzer, Westminster Presbyterian Church, Buffalo, N. Y.; Hon. L. M. Frost, Prime Minister of Ont. *D.Sc.*—J. S. Foster, Dir. of Radiation Lab. and Macdonald Prof. of Physics, McGill Univ.; P. E. Gagnon, President of Sch. of Grad. Studies, Laval Univ.; C. J. Mackenzie, Pres., National Res. Council, Ottawa; H. C. Urey, Prof. of Chem., Inst. of Nuclear Studies, Univ. of Chicago.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	664	700
Women	543	325
Total	1207	1025

DEGREES AND DIPLOMAS. M.A., 5; M.Sc., 12; B.D., 12; B.Sc., 37; B.A. (4-yr. courses), 42; B.A. (3-yr. courses), 164; Ph.D., 2; B.Sc.N., 10; Dipl. in Theol., 1; Vocational Guidance Dipl., 1; Certif. of Women's Leadership Trng. Sch., 8.

THE UNIVERSITY OF MANITOBA*

Founded 1877

Postal Address : Winnipeg, Manitoba.

Telegrams and Cables : University of Manitoba, Canada.

Telephone : Winnipeg 449-110.

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Camb., LL.D. McG.

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M.Sc. Minn.; *Arts and Science*—W. J. WAINES, M.A.; *Education*—
D. S. WOODS, B.A. Qu., A.M., Ph.D. Chic., M.A.; *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.; *Graduate Studies and Research*—W. H.
McEWEN, M.Sc. Sask., M.A., Ph.D. Minn.

COMPTROLLER AND SECRETARY OF BOARD OF GOVERNORS—F. W.
CRAWFORD, B.S.A.

LIBRARIAN—ELIZABETH DAFOE, B.A.

DEAN OF WOMEN—MARJORIE MACKAY, B.A.

TEACHING STAFF

Actuarial Mathematics and Statistics

Ritcey, L. F. S., B.A. Mt. All.,
M.A. Harv., Ph.D. Chic. Prof.
Crofts, G., B.Com. Assoc. Prof.
Dowd, J. E., B.Com. Lectr.

Agriculture, v. infra

Anatomy, v. also Med.—Surg.

Thompson, I. M., B.Sc., M.B.,
Ch.B. Edin.

Hd. of Dept., Prof.

Associate Professors

Bowie, D. J., B.Sc. (Med.), M.A.,
Ph.D. Tor.

Monie, I. W., M.B., Ch.B. Glas.
Sigurdson, L. A., M.A., M.D.

Lecturers

Klass, A. A., B.A., M.D., F.R.C.S.
Ed. and Can.
Merkeley, N. P., M.D.

Architecture and Interior Design

Russell, J. A., B.Sc. (Arch.),
M.Arch. M.I.T.

Director of School, Prof.

Associate Professors

Sellers, 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

Feldsted, Carol J., M.F.A. Art
Inst. Chic.

Austmann, Miss Raquell, B.Int.
Des.

Carrothers, G. A. P., M.Arch.
Sp. Lectr.

5 Assts.

Art

McCloy, W. A., B.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., Dip. O.C.A.
Assoc. Prof.

Kacere, J. C., B.F.A., M.F.A.
Iowa Asst. Prof.

Wise, R. Lectr.

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., B.Sc., Ph.D., D.Sc.
Assoc. 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. Asst. 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.

Associate Professors

Hiebert, P. G., M.A. Tor., M.Sc.,
Ph.D. McG., B.A., F.C.I.C.

Charlesworth, E. H., M.A. Qu.,
D.Phil. Oxon., 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.

Lecturer

Loudfoot, J. H., B.Sc. Glas.

2 Graduate Assts.

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.

McKay, A. G., B.A. Tor., M.A.
Yale, A.M., Ph.D. Prin.
Lectr.

Economics and Sociology

Waines, W. J., M.A.
Prof, Dean of Fac. of
Arts and Science.

Associate Professors

Sinclair, S., B.S.A., M.Sc. Sask.
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.

Lecturers

Bellan, R. C., M.A. Tor., B.A.
Zakuta, L., M.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.

Special Lecturers

Wilkinson, Mrs. Islay R., M.A.
Boyce, Eleanor, M.A., Ph.D.

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.

Assistant Professors

Magill, E. S., B.Sc. (C.E.).

Marantz, O., B.Sc. (C.E.).
Dolphin, J. W., B.A.Sc. Br. Col.,
M.S. (C.E.) Minn.

Borgford, S. J., B.Sc. (C.E.).
Clark, R. H., M.Eng. McG.
Hovey, C. M., B.Sc. (C.E.).
Morris, W. V., B.Sc. (C.E.).

Lecturer

Baracos, A., M.Sc. (C.E.) Alta.
7 Demrs.

Engineering, Electrical
Professors

Williams, N. A., B.Sc. Qu.
Dorsey, J. W., E.E. Lehigh.
Anthes, R. G., B.A.Sc. Tor.

Assistant Professors

Wicks, S. G., B.Sc. (E.E.).
Curtis, R. W., B.Sc. (Eng.)
4 Demrs.

Engineering, Mechanical

Hall, N. M., O.B.E., B.Sc. McG.
Prof.

Assistant Professors

Pask, A. H., B.Sc.
Wood, B. D., B.A.Sc. (Mech.) Tor.
Gawley, H. N., B.Sc. (M.E.) Sask.

Lecturer

Krol, J., Ph.D. Lond.
2 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.

Robertson, O. R., B.A. Tor., A.M.
Johns H.

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.

Goldstine, Enid G., B.A., D. de
l'U. de Paris.

Geography

Weir, T. R., B.A. Br. Col., M.A.
Syracuse, Ph.D. 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.

Assistant Professors

Wilson, H. D. B., M.S., Ph.D.
Cal. Tech., B.Sc.

Russell, G. A., E.M. Minn., M.Sc.
Qu.

German

Stirk, S. D., M.A. Oxon., D.Phil.
Breslau Prof.

Cardinal, C. H., M.A. Asst. Prof.

Maurer, K. W., Ph.D. Tubingen
Asst. 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.

i Asst.

Judaic Studies

Chiel, A. A., B.A. N.Y.
Asst. Prof.

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.

Coish, H. R., B.A., B.Sc. Mt. All.,
M.Sc. Dal., M.A. Tor.

Asst. 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.

Templeton, J. G. C., B.A. Tor.,
A.M. Prin.

Noonan, B., M.A. Tor., B.A.

Lecturers

Zeiler, F., M.Sc. Alta., B.Sc.

Medicine, v. infra

Music

Gibson, R. W., Mus.B. Manc.

Assoc. Prof. and Dir. of
School.

Sampson, Peggie, Mus.Bac. Edin.,
L. de C. Paris Asst. Prof.

Hubble, F. E. Lectr.

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.

Philosophy

Sibley, W. M., M.A. Br. Col., Ph.D.
Brown Prof.
Glassen, P., M.A. Tor., A.M.
Harv. Asst. Prof.
1 Graduate Asst.

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.

Lecturers

Standil, S., M.Sc. Qu., PhD.
Watt, L. A. K., B.Sc., M.S. Chic.

*Physiology, v. Medicine**Political Economy, v. Econ.**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., B.A. Sask., M.A. Sask.
Asst. Prof.

Zoology

Wardle, R. A., M.Sc. Manc.,
F.R.S.C. Prof.
McLeod, J. A., M.Sc., Ph.D.
Assoc. Prof.
Stewart-Hay, R. K., M.Sc.
Asst. Prof.

*Agriculture and Home Economics**Agricultural Engineering*

Shanks, G. L., M.S. Iowa State
Coll., B.S.A. Prof.
Paterson, J. J., B.S.A., M.Sc.
Sask. Asst. Prof.
Hendrickson, M., B.Sc. (A.E.)
Sask. Lectr.

Animal Science

Brown, J. McC., M.M., B.S.A. Tor.,
M.Sc. Minn.
Prof. and Actg. Dean of
Fac. of Agric. and
Home Econ.
Hodgson, G. C., M.S. Corn., B.S.A.,
Dip.Ed. Assoc. Prof.

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.

Dahl, J. C., 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.).

1 Graduate Asst.

Bacteriology and Animal Pathology

Professors

James, N., B.S.A. Tor., M.S.,
Ph.D. Iowa State Coll.

Savage, A., B.S.A. McG., D.V.M.
Corn.

Assistant Professors

Jamieson, M. C., B.S.A. Tor., M.Sc.

Campbell, N. E. R., B.S.A. Tor.,
M.Sc.

Hawirko, Roma Z., M.Sc., Ph.D.
McG.

Child Development and Household Management

McLauchlin, Florence, M.S. Iowa
State Coll., B.Sc. (H. Ec.)

Assoc. Prof.

Gow, Eileen, B.Sc. (H. Ec.) Asst.

Dairy Science

Brown, R. W., B.S.A. Tor., M.S.
Iowa State Coll. Prof.

Nesbitt, J. M., B.S.A., M.Sc.
Asst. Prof.

Education

Moxon, Mary C., Ph.B. Chic.,
M.A. Assoc. Prof.

Entomology

Mitchener, A. V., B.A. McM.,
B.S.A. Tor., M.Sc. Prof.

Thorsteinson, A. J., Ph.D. Lond.,
B.S.A. Asst. Prof.

Robertson, D. R., B.S.A. Lectr.

Lejeune, R. R., B.S.A., M.Sc.
Hon. Lectr.

Family and Institutional Administration

Hood, Grace G., B.S., M.A.
Col., Ph.D. Minn.

Prof. and Dir. of Home
Economics.

MacArthur, A. Isabel, M.A. Col.,
B.Sc. (H. Ec.), D.Ed. Col.

Lectr.

Brownlee, Beatrice K., B.Sc.
(H. Ec.), M.Sc. Col. Instr.

Foods and Nutrition

Hiltz, Mary C., B.Sc. Col., M.A.
Tor. Assoc. Prof.

Henderson, Jean E., M.A. Tor.
Asst. Prof.

Feniak, Mrs. Elizabeth, M.S. Minn.
B.Sc. (H. Ec.). Lectr.

1 Graduate Asst.

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.

1 Research Asst.

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

Cadham, F. T., B.A., M.D.,
F.A.C.P., F.R.C.P.Can. Prof.
Cadham, R. G., M.D. Lectr.

Forensic Medicine

Duval, P. G., Q.C., B.A., LL.B.
Sp. Lectr.

Laryngology and Otology

Black, R., M.D. Prof.
Beckman, I. H., M.D. Lectr.
Alexander, W., M.D. Lectr.

Medical Research

Doupe, J., M.D. Dir.

Associate Professors

Blanchaer, M.C., B.A., M.D. Qu.
Perry, W. F., B.Sc. McG., M.A.,
M.D., C.M. Qu.
Hildes, J. A., M.D. Tor.

Medicine and Clinical Medicine

Bell, L. G., M.D., F.R.C.P.
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.

Lecturers in Medicine

Beamish, R. E., B.A. McM., M.D.,
Bennett, W. J., M.D.
Birt, A. R., M.D. (Dermatol.).
Brock, W. G., M.S. Minn., B.A.,
M.D.
Campbell, M. H., M.D.
Cherniak, L., M.D., B.Sc. (Med.),
F.R.C.S.Can.
Coke, L. R., M.D.
Downey, J. L., M.D.
Green, P. T., M.D. Tor.
Hollenberg, M. S., B.Sc., M.A.,
M.D.
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F.R.C.P.Can., F.A.C.P.
Little, G. A., M.D.
Ross, E. L., M.D.
Schoemperlen, C. B., M.D.
Scott, D. L., M.D. (Tuberculosis).
Sinclair, A. C., M.D.
Tisdale, P. K., B.Sc., M.D.
2 Teaching Fellows, 20 Demrs.

Obstetrics and Gynaecology

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

Kobrinisky, S., M.D.
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.
1 Teaching Fellow, 17 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.

Pædiatrics

Chown, H. B., M.C., B.A., M.D.
 Dir. of Dept. and Prof.
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 Read, C., B.Sc. Acad., M.D., C.M.
 McG. Assoc. Prof.
 Graf, J., M.D. Modena.

Lecturers

Popham, H. E., M.D.
 Boyd, S. A., M.D.
 Israels, S., M.D.
 Marlatt, Helen, M.D.
 6 Demrs.

Pathology

Nicholson, D., M.D., C.M.
 Director 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.
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 Asst. Prof.
 Hoogstraten, J., Ph.D. Camb.,
 M.D. Lectr.
 Wilt, J. C., M.D. Lectr.
 1 Teaching Fellow, 2 Demrs.

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Associate Professors

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 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

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 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.

Lecturer

Ferguson, Marion H., Ph.D. Edin.,
 B.Sc.
 2 Sp. Instrs.

Radiology

Wheeler, D., M.A., M.D., C.M.,
 F.F.R. Prof.
 Macpherson, R. A., M.C., C.M. Qu.
 Assoc. Prof.
 Childe, A. E., M.D. Assoc. Prof.
 Stuart, F. G., B.A. Sask., M.D.
 Lectr.
 7 Demrs.

Social and Preventive Medicine

Bowman, M., D.P.H. Tor., M.D.
 Prof.

Surgery

Burns, C. W., B.A., M.D., C.M.,
 F.A.C.S., F.R.C.S.Can. Prof.

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., F.R.C.S.Can.
 Clark, C. W., M.D., C.M., F.R.C.S.
 Ed., F.R.C.S.Can.
 Morse, H. D., M.D., C.M. McG.,
 F.R.C.S.Can. (Urol.).
 Richardson, R. W., O.B.E., M.D.,
 Ch.M.
 Perrin, M. B., M.D., F.R.C.S. Ed.
 and Can.

Ryan, G. H., M.D.
James, E. S., M.D., F.R.C.S.
(App. Anat.).

Stewart, C. B., M.D., F.R.C.S.
Ed. (Urol.).

Lecturers

Bourgouin, J. A., M.D.
Burrell, R. O., M.D., Ch.M.,
F.R.C.S.Ed. and Can.

Deacon, A. E., M.Sc. Minn., M.D.

Holland, T. E., B.Sc., M.D.,
F.R.C.S.Ed. and Can.

Huggins, Donald, B.Sc., M.D.

Klass, A. A., B.A., M.D., F.R.C.S.
Ed. and Can.

McGibbon, K. C., M.B. Tor.

McInnes, J. S., M.D.

Parkinson, D., M.D., C.M. McG.,
M.Sc. Minn.

Peikoff, S. S., M.D., F.R.C.S.Ed.

Rennie, J. W. R., M.D., F.R.C.S.

Stephenson, E. S., M.D., Ch.M.,
F.R.C.S.Ed.

Swartz, D., M.D., F.R.C.S.Ed.

Trueman, K. R., M.Sc. Minn.,
B.A., M.D.

Funk, H., M.D.

MacKinnon, W. B., M.D.

2 Teaching Fellows.

19 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., M.Arch. Dean of Fac. of Med. : L. G. Bell, M.D., F.R.C.P.Can. Actg. Dean of Fac. of Agric. and Home Econ. : J. McC. Brown, M.M., B.S.A., M.Sc. Minn. Dir. of Sch. of Home Econ. : Grace G. Hood, B.S., M.A., Ph.D. Dean of Fac. of Educn. : N. V. Scarfe, M.A. Lond. Dean of Fac. of Law : 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. Huggill, 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.

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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.

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, Archit., Interior Design, Fine Arts, and Social Work, in the province. It received in 1898 from the Dominion Govt. a land grant of 150,000 acres.

The buildings occupied by the Faculties of Medicine and Law are in the city of Winnipeg, which, with adjacent municipalities, has a population of over 360,000. The site of the Faculties of Arts and Sci., Agric. and Home Economics, Engin. and Archit., Education, the Graduate School of Social Work, and the Graduate School of Nursing, is in the municipality of Fort Garry, 7 miles from the centre of Winnipeg. The Univ. has 45 buildings on this site, including a University residence, the Manitoba Union, which has accommodation for 600 students. There are also on this site the Dominion Rust Research Laboratory, the Dominion Laboratory of Plant Pathology, the Dominion Laboratory of Entomology, and the Provincial Experimental Fur Farm.

UNIV. LIBRARY, 150,000 vols. ; 1000 periodicals received. There are also 30,410 mounted plates and photographs and 9410 slides in the School of Architecture. The Med. College has a library of 17,300 vols., and receives 278 periodicals. LABORATORIES: Anat., Bact., Bot., Chem., Engin. (Material testing—200,000 lb., Cement, Elect.), Geol. and Mineral., Path., Physics, Physiol., Zool. MUSEUMS: Anat., Embryol., Bot., Geol., Path. HOSPITALS available for clinics: 2 general (1000 beds) and several special, including tuberculosis. FARM (1000 acres).

FACULTIES (for Deans, v. p. 741). (1) An Arts and Science Faculty providing instruction in all subjects of undergraduate courses in Arts (except 6 options and the Latin Philosophy course for French-speaking students of St. Boniface College), Science, Pharmacy, and Commerce. (2) Medicine. (3) Engineering, Archit. and Interior Design. (4) Agriculture and Home Economics. (5) Education. Other subjects of Arts course are taught in the affiliated Colls. Law is taught in the Manitoba Law School, which is under the direction of trustees jointly appointed by the Univ. and the Law Society of Manitoba. Public Health Nursing and Teaching and Supervision in Schools of Nursing are taught to graduate nurses in the Graduate School of Nursing, directed by the Univ. and financed by the Provincial Department of Health and Public Welfare. Academic and clinical training of social workers is carried on in the Graduate School of Social Work. A course leading to the degree of Bachelor of Fine Arts is taught co-operatively by the Faculty of Arts and Science, the School of Art, the School of Architecture, and the School of Home Economics.

MATRICULATION examn. is conducted in June by the Examn. Board of Manitoba, also a limited Matricn., in Sept. Satisfactory completion of Levels I, II, and III of the Matricn. course of the Dept. of Educn. is required. Matricn.

subjects for Arts or Sci. courses: English, Maths., Social Studies, 3 units of Science (Gen. Sci. and two of Biol., Physics, Chem.), and at least one elective from the following: a second foreign lang., a fourth Science, Music, Home Econ., Industrial Arts, Comm. work. With a second foreign lang. or music—when carried for at least 2 yrs. of High Sch.—only 2 units of Science are required (Genl. Sci. and either Physics or Chem.). Matricn. may also be obtained with a third foreign lang., the only Science requirement being Genl. Sci. Exemption from examination is allowed in the subjects of Grades IX and X Matricn. to pupils of the Collegiate Institutes of the province, or of the Preparatory Schools in connexion with the affiliated Colleges, who are recommended for such exemption by their school principals, and also exemption from examn. in the subjects of Grade XI Matricn. (Arts and Sci.) to recommended pupils of approved schools under certain conditions. Entrance requirements for Medicine are clear standing of 3 pre-medical years in Arts and Science; for Law, of 2nd year in Arts; for Engineering, standing of one pre-engineering year in Arts and Science, and for Architecture, Matricn. Members of any British or approved Univ. may be admitted *ad eundem statum* or *gradum* without Entrance examn. 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 spec. regns. lead to the degree of B.Sc. (Med.), to M.Sc. (Med.), and to Ph.D. M.A., M.Sc., M.Arch., M.Arch. (C.P.), LL.M., 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 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 Licentiate'ship dipl. on passing an advanced practical examn. Music may be offered as an elective for Matricn. if carried for 2 or 3 yrs. in High School and at least the prescribed minimum grade is attained. It is also an elective in Arts and in the 2nd and 4th yrs. in Home Econ. Practical instruction must be obtained from private teachers.

Examns. are based on a syllabus of the Western Board of Music, composed of representatives of the Universities and Depts. of Educn. of Manitoba, Saskatchewan, and Alberta.

FEES. 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; Interior Design, \$155 in 1st yr., \$195 in all other yrs.; Phm., \$240; Med., 1st, 2nd, 3rd and 4th yrs., \$425, 5th yr., \$75; Law, \$175. Licence to practise Med., \$100. Agri. Dipl. course, \$38; 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. University Women's Club Fellowship, \$150,000, is offered to an outstanding woman graduand in Arts or Science. 2 Athlone Fellowships of Tuition, Maintenance and Transportation within Britain are offered each year for Engineering Graduates. 1 Canadian Industries Ltd. Research Fellowship of \$1000 is offered annually to any British subject who is a Graduate of a recognized University for Research in Agri-cultural Chemicals at the University of Manitoba. 1 Cominco Fellowship of \$1200 is offered each year for Research in Mining, Metallurgical or Chemical Industry by a graduate of a recognized University. 1 Manitoba Historical Society Fellowship of \$2500 to a Master of Arts of an approved University for Ethnic Studies within Manitoba.

RESIDENCE. Hostels at all affiliated Arts Colls. and at the Fort Garry site.

UNIVERSITY EXTENSION. (1) Institute Evening courses of a cultural character. (2) Winter Evening Business courses in Acctcy., Comml. Law, English, Pol. Econ., etc., given partly by members of regular Univ. staff. (3) Radio popular lectures and broadcasts of music chosen from the Music Syllabus. (4) Short courses in Farm Equipment Repairing, Bee-keeping, Home-making, Dairying, Poultry, Home Vegetables and Fruit Growing, Home Grounds Beautification and Flower Growing, Fur Farming, Field Crops, Nutrition and Diseases of Farm Animals. (5) Feb. series of popular lectures. (6) Programme of Adult Education in Fine Arts in rural communities of the Province. (7) *Summer School*—6 wks. in July and Aug. Courses for Teacher Training, and in Grade XI, Grade XII and Arts and Sci. subjs. (8) Workers' Educational Assoc. classes. (9) Extension Service in Agric. and Home Econ. through correspondence, lectures, judging, bulletins, etc. (10) Dept. of Music Extension, under a Director of Music.

EXTRA-MURAL WORK. Correspondence courses carrying degree credit are offered in certain subjects of the Second Year in Arts. Only one 4-unit course or its equivalent may be taken in any one regular session. No other extra-mural work permitted.

ALUMNI ASSOCIATION. Founded in 1921 to deal as a body with all matters affecting the interests of the Alumni. Permanent Sec., 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 1950-51

BENEFACTIONS. Chair of Icelandic Langs. and Literature, \$13,000 ; Brewers and Hotelmen of Manitoba Scholp. Fund, \$18,000.

ADULT EDUCATION WORK. The Dept. of Univ. Extension and Adult Educn. provides, for organized groups within Manitoba, short courses and workshops on specific subjects, on the campus or at rural points requesting the service. Other well-established services it provides are the Evening Institute, a series of public lectures and a series of radio programmes.

HONORARY DEGREES. LL.D.—R. H. Channing, Pres. of Hudson Bay Mining and Smelting Co. Ltd. ; A. D. P. Heeney, M.A., B.C.L., Under-Sec. of State for External Affairs, Govt. of Canada ; G. H. Levesque, O.P., B.A., Dip.Soc.Sc., D.Sc., Dean of Fac. of Soc. Sci., Laval Univ. ; J. A. Marion, Chairman, St. Boniface Sch. Bd. ; Brigadier R. E. A. Morton, G.O.C. Prairie Command, Can. Army Active Force ; W. J. Parker, M.B.E., B.S.A., Pres., Manitoba Pool Elevators ; A. Stewart, B.S.A., M.A., Pres. of Univ. of Alberta. D.Litt.—J. Bruchesi, B.A., LL.L., Lic.Sc.Pol., Under-Sec. and Dep. Registrar, Provincial Sec.'s Office, P.Q. D.Sc.—O. McK. Solandt, O.B.E., B.A., M.A., B.Sc. (Med.), M.D., D.Sc., F.R.S.C., Chairman, Defence Res. Bd., Ottawa.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	176	3366
Women	112	1223
Total	288	4589

Included in the above are 173 postgraduate students and 263 first-year admissions.

DEGREES. Ph.D., 0; M.A., 6; M.Sc., 28; M.Ed., 7; M.Arch., 1; B.A. (Gen.), 233; B.A. (Latin Phil.), 26; B.Sc. (Gen.), 107; B.Sc. (Pharm.), 29; B.Com. (Gen.), 25; B.A. (Hons.), 10; B.Sc. (Hons.), 50; B.Com. (Hons.), 24; LL.B., 48; M.D., 67; B.Sc. (Med.), 4; B.Sc. (H. Ec.), 93; B.S.A., 58; B.Sc. (Eng.), 130; B.Arch., 44; B.Ed., 26; B.Int.Des., 18; B.Soc.W., 25; B.Ped., 2.

DIPLOMAS. Agriculture, 26; Home-making, 6; Dairying, 6; Music, 15; Education, 85; Interior Decoration, 3; Social Work, 4.

CERTIFICATES. Nursing Education, 13.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

Founded 1949

Postal Address : St. John's, Newfoundland.

Telephone : St. John's 6427.

VISITOR—THE LIEUT.-GOVERNOR, COL. SIR LEONARD OUTERBRIDGE,
C.B.E., D.S.O., LL.D.

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LL.B., K.B.

CHANCELLOR—The Rt. Hon. THE VISCOUNT ROTHERMERE.

VICE-CHANCELLOR AND PRESIDENT—A. G. HATCHER, M.A. McG., LL.D.
Mt. All. and Dal.

DEANS—*Arts and Science*—A. C. HUNTER, B.A. Lond., M.A. Oxon.,
D. ès L. Paris, O.A. ; *Applied Science*—S. J. CAREW, B.Sc. Dal.,
B.E. (Mining) N.S.T.C. ; *Education*—HELEN M. LODGE, B.A.
Mt. All., M.A. Col. (Actg. Dean).

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.

Lear, E., B.Sc. Acad.
Assoc. Prof.

Titford, Maxine C., B.Sc. Dal.
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.

Education

Hickman, G. A., B.A. Mt. All.,
M.A. Acad. (on leave) Prof.

Lodge, Helen M., B.A. Mt. All.,
M.A. Col. Prof.

Fitzpatrick, Mary, M.A., B.Pæd.
Tor. Assoc. Prof.

Rowe, W. G., B.A. Dal.
Assoc. Prof.

Ivany, C., B.A. Acad.
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. ès L. 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. ès L. 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, Economics and Political Science

Fraser, A. M., M.A. Edin. Prof.
Morgan, M. O., M.A. Dal., B.A.
Oxon. Assoc. Prof.

Household Science

Baird, Edna, B.A. Dal., B.H.Sc.
McG.

Mathematics

Hatcher, A. G., M.A. McG., LL.D.
Mt. All., LL.D. Dal. Prof.
Blundon, W. J., B.A. Lond.,
M.A. Col. Assoc. Prof.
Facey, J. M. C., B.Sc. (Eng.) Lond.
Lectr.
Looker, A. J., B.E. McG. Lectr.
Organ, Sadie L., B.A. McG., M.A.
Mich. Lectr.

Physics

Long, B. F., M.Sc. Dal. (on leave)
Prof.
Noel, T. C., M.Sc. Dal.
Asst. Prof.
King, Ian Demr.

Other Teaching Staff

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 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., Household Sci.

FACULTIES AND DEANS, v. p. 755.

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, 17,000 vols., 120 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 grant of \$7500 to the Trustees to enable them to make grants-in-aid to students in the Univ.

Acadia offers annually one scholarship of \$125, King's one of \$150, Mt. Allison one of \$125 and one of \$62.50, and Mount Saint Vincent one of \$175. These scholarships are tenable for 2 yrs. Dalhousie offers annually one scholarship of \$200, tenable for one year.

Students having completed 2 yrs. at the Univ. are eligible for Rhodes Scholarships.

THE YEAR 1949-50

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	221
Women	7	77
Total	9	298

Included in the above are no postgraduates and 175 first-year admissions.

DEGREES. B.A. (Educn.), 1 ; B.A., 4.

DIPLOMAS. Engineering, 14.

UNIVERSITY OF MONTREAL*

Founded 1876

Postal Address : 2900 Mont-Royal Blvd., Montreal, 26.

Telephone : Montreal, Atlantic 9451.

CHANCELLOR—H.E. Mgr. PAUL-ÉMILE LÉGER, L.Th., D.C.L.

RECTOR—Mgr. OLIVIER MAURALT, C.M.G., D.C.L.

VICE-RECTOR—Canon GEORGES DENIGER, B.Th.

SECRETARY-GENERAL—M. FARIBAUT, LL.D.

FACULTIES AND DEANS—*Arts*—Rev. G. PERRAS; *Dentistry*—Dr. E. CHARRON; *Hygiene*—Dr. A. FRAPPIER; *Law*—E. BEAULIEU; *Letters*—Canon A. SIDELEAU; *Medicine*—Dr. W. BONIN; *Music*—Rev. A. BERNIER; *Pharmacy*—A. F. LAROSE; *Philosophy*—Rev. L. M. RÉGIS; *Pure Science*—Dr. G. BARIL; *Social Science*—E. MINVILLE; *Theology*—Rev. R. FOURNIER.

TREASURER—LOUIS CASAUBON.

ASSISTANT REGISTRAR—GEORGES BARIL, M.D., certif. ét. sup. ch. Paris, Hon. D.Sc.

DIRECTOR OF PUBLIC RELATIONS—ANDRÉ BACHAND, LL.L.

LIBRARIAN—RAYMOND TANGHE, D.S.P.

TEACHING STAFF

Agriculture, v. *infra*, Affiliated Instns.

Soffray, Rev. Bro. M., L.Lett. Lyon, D.Lett.

Anatomy (normal)

Asst. Prof.

Blais, M., M.D. Prof.

Courteau, R., M.D. Asst. Prof.

Venne, L., M.D. Asst. Prof.

Applied Science, v. *infra*, Affiliated Instns.

Art, History of

Randall, L. V. Asst. Prof.

Anatomy (pathological)

Masson, P., M.D. Paris Prof.

Riopelle, J.-L., M.D. Prof.

Simard, C., M.D. Assoc. Prof.

Manseau, G., M.D. Asst. Prof.

Martin, P., M.D. Asst. Prof.

Biology

Prat, H., D.Sc. Paris Prof.

Fournier, Abbé O. Prof.

Bellemare, E.-E., L.Sc.Nat. Assoc. Prof.

Ancient Languages and Literature

Prévost, G., L.Sc. Assoc. Prof.

de Grott, J., D.Lett. Utrecht

Assistant Professors

Dir. and Prof.

Auclair, L., M.Sc. McG.

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

Beaudry, J.-R., M.Sc. McG., Ph.D.
Wis., L.Sc.A.

Robert, Rev. A., L.Sc.Nat., L.Péd.

Botany

Brunel, J., L.Sc. Prof.

Associate Professors

Cailloux, M.

Gauthier, R., L.Sc.

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.

Laniel, H., L.Sc.Chim.

Rinfret, M., L.Sc.

Bouthiller, L.-P., M.Sc.

Assistant Professors

Gendron, P.-R., L.Sc.

Perron, Y.

Portelance, V., D.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.

Levins, T., M.A.

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.

Hygiene, School of

Frappier, A., M.D., L.Sc.

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., Dr.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.

Choquette, L., B.A., D.M.V.,
M.Sc.

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.

History

Frégault, G., L.Lett., Ph.D.
Loyola

Dir. and Prof. of Can-
adian Hist.

Associate Professors

Brunet, M., B.Ed., L.Sc.Soc., M.A.,
Ph.D. Clark

Papillon, Rev. A., D.Th. Angéli-
que.

Séguin, M., L.Lett., D.Lett.

Morin, Rev. C., D.Hist. Gré-
gorienne Asst. Prof.

Journalism, v. infra, Soc.
and Political Science

Law, v. infra

*Linguistics, Phonetics, and Philo-
logy*

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.

Munier, F., B.A., L.Sc.Math.

St.-Pierre, J., L.Sc.Phys., L.Sc.
Math.

Lecturers

de Courval, C., B.Sc.Math.

Courtemanche, A., L.Sc.Math.,
L.Sc.Phys.

Delorme, J., B.A., L.Sc.Chim.,
M.Sc., D.Sc.

Hébert, H., B.Sc.Math.

Kozakiewicz, W., L.Ph., D.Sc.

Maranda, J., B.Sc.Math., M.A.
Tor.

Medicine, v. infra

Mineralogy, v. Geology and infra,
Affiliated Instns.

Modern Languages (German,
Spanish and Italian)

Carderera, A., LL.L. Madrid

Assoc. Prof.

Cardinali, F., D.Lett. Rome

Assoc. Prof.

Music, v. also infra, Attached
Instns.

Bernier, A. Dean and Prof.

Profs. and Asst. Profs.

Aubut, Miss F.

Boulanger, R.

Champagne, C.

Cornellier, A.

Dagenais, A.

Descarries, A.

Duhamel, R.

Fortier, Abbé E.

Lacoste, P.

Lapierre, E.

Laurencelle, M.

Martel, J.

Morin, C.

Papineau-Couture, J.

Séguin, C.

Tanguay, G.-E.

Thibault, E.

Vallerand, J.

Pharmacy

Larose, A.-F., B.Ph.m., D.Ph.m.

Dean and Prof.

Professors

Barré, R., B.Ph.m., D.Sc.

Labarre, J., B.Ph.m., D.Sc.

Associate Professors

Groulx, Hon. H., D.Ph.m.

Larose, R., B.Ph.m.

Letourneau, M., B.Ph.m.

Riopel, P., B.Ph.m., M.Sc.

Asst. Profs. and others

Aubin, P., B.Ph.m.

Bergeron, L., B.Ph.m.

Champagne, A., L.Sc.N.

Delorme, J., L.Sc.Chim., D.Sc.

Dubreuil, R.

Gagnon, Dr. R.

Gauthier, R., M.Sc.

Martin, E.-A., L.Ph.m., M.Sc.

Plourde, R., B.Ph.m.

Prat, H., D.Sc.

Robillard, Dr. E.

Robillard, Abbé H.

Sarrazin, A., B.Ph.m.

Philosophy, v. infra

Physics

Rouault, M., B.A., L.Sc.Math.,
L.Sc.Phys., D.Sc. Paris Prof.

Associate Professors

Bélair, R., L.Sc.Chim.

Demers, J., L.Sc.

Demers, P., L.Sc.Math. and Phys.,
M.Sc., D.Sc.Phys. France.

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.

Assistant Professors

Beaulieu, R., M.D.

D'Torio, A., M.D.

Lussier, J.-P., D.D.S.

Lussier, J.-J., M.D.

Timiras, P., M.D., Ph.D.

Slavic Studies

Domaradzki, T.-F., L.Ph. War-
saw, D.Lett. Rome

Dir. and Assoc. Prof.

Assistant Professors

Babinski, W., D.Sc.soc. Munich.

Czapska, Mrs. A.

Donzow, D., LL.D. Lwow.

Murin, C., LL.D. Bratislava.

Nazarka, Rev. I., Ph.D.

Paplauskas-Ramunas, A., Ph.D.
Vienna.

Rabcewicz-Aubkowski, L., LL.D.
Paris.

Roussow, G., Ph.D. Vienna.

Sangowicz, M., Ph.D. Fribourg.

Walter, E., D.Sc.P. Budapest.

Zaleski, Abbé M., Ph.D. Warsaw.

Witwicka, Miss J.

*Social and Political Science and
Economics*

Minville, E., L.Sc.Com.

Dean and Prof.

Profs., Assoc. Profs. and Asst.
Profs.

Arès, Rev. R., S.J., Ph.D.

Bédard, G.

Benoit, E., L.S.P.

Blais, J., M.R.I.

Blanchard, Y., D.Ph.

Bruchési, E., LL.L.

Bruchési, J., LL.L., D.S.P., Dip.
Sc. politiques Paris.

Cardin, J.-R., M.R.I.

Casgrain, J., LL.L., D.Ph. Lond.
 Chartiez, Rev. P.
 Chaussé, F., LL.L., L.S.P.
 Cornez, J., LL.L., L.S.P.
 Dansereau, J., L.S.P.
 Dehem, R., L.Sc. économiques,
 L.Sc. politiques et sociales
 Louvain.
 Delorme, J., L.Sc.Com.
 Desrochers, Rev. Irénée, M.A.
 Fordham.
 Fauteux, N., LL.L., D.S.P.
 Gauvreau, J.-M., dip. École Boule
 Paris, D.S.P.
 Govenlock, Abbé S., L.Th.,
 M.S.S.W.
 Guenette R., Lic.Péd.dip. Sor-
 bonne.
 Guillemette, Rev. A.-M., LL.L.
 Laval, L.Th., L.S.P. Louvain.
 Lachance, Rev. L., M.S.Th., D.Ph.
 Lacoste, Abbé N., L.Th., L.Sc.
 pol.soc. Louvain.
 Lalonde, H., LL.L.
 Lavigne, Y.-T., LL.L., D.S.P.
 Ledit, Rev. J., Ph.D.
 Leduc, A., LL.L., D.S.P.
 Leduc, Y., LL.L., L.S.P.
 Lemieux, G., M.Sc.soc. Laval,
 M.S.S.
 Letellier de Saint-Just, E.
 Letourneau, F., B.S.A., D.S.P.
 Mailhiot, G., D.Ps.
 Marchand, Miss F., B.A., dip.S.S.
 McG.
 Marier, R., LL.L., M.S.S.W.
 Mathieu, Abbé C., L.Th., L.Sc.
 soc.pol. Louvain.
 Mathieu, Miss M., B.S.W. McG.
 Montpetit, hon.juge A., LL.L.
 Nadeau, A., LL.L., L.S.P., dip.
 études sup. écon. Paris.
 Paré, Miss S., L.Sc.soc. Laval.,
 M.Sc. (Groupwork) Pitts-
 burgh.
 Peck, Miss M., M.A. Oxon.,
 M.S.S.W. McG.
 Provencher, Miss R., L.S.P.
 Rousseau, Miss C., B.A., M.S.S.
 Sainte-Marie, J., L.Sc.com.

Saint-Pierre, A., D.S.P., M.S.R.C.
 Sauriol, P., L.S.P., dip. journalism.
 Tanghe, R., D.S.P.
 Trottier, L., Lic.Sc.com.
 Walsh-Lepage, Miss K., M.A.
 (S.W.) Fordham.

Dentistry

Anæsthetics

Charron, E., D.D.S. Prof., Dean.
 Raymond, A., D.D.S.
 Assoc. Prof.

Crown and Bridge Prosthesis

Robichaud, H.-M., D.D.S.
 Assoc. Prof.
 Trottier, J.-P., D.D.S.
 Assoc. Prof.

Dental Anatomy

Gauthier, G., D.D.S. Prof.
 Bussièrès, J., D.D.S. Asst. Prof.

Dental Hygiene

Hébert, A., D.D.S. Assoc. Prof.

Dental Metallurgy

Brouillet, H., D.D.S. Assoc. Prof.

Dental Pathology

Racey, A.-G., D.D.S. Assoc. Prof.

Dental Surgery

Demontigny, G., D.D.S. Prof.
 Raymond, A., D.D.S.
 Assoc. Prof.

Ethics

Archambault, C., D.D.S.
 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.	Prof.
Hébert, O., D.D.S.	Assoc. Prof.
Bengle, O., D.D.S.	Asst. Prof.

Law*Civil Law*

Brossard, Hon. A., LL.L.	Prof.
Caron, M., LL.D.	Prof.
Mayrand, A., LL.L.	Prof.
Martineau, P., LL.L.	Asst. Prof.

Civil Procedure

Bissonnette, Hon. B., LL.D.	Prof.
Ferland, P.	Asst. Prof.
Perreault, C., LL.D.	Asst. Prof.
Tremblay, L., LL.D.	Asst. Prof.

Commercial and Maritime Law

Filion, J., LL.L.	Asst. Prof.
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Commercial Legislation

Filion, J., LL.L.	Asst. Prof.
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Constitutional Law

Bissonnette, Hon. B., LL.D.	Prof.
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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.	Asst. Prof.
--------------------	-------------

International Law

Gouin, Hon. L.-M., LL.D.	Prof.
--------------------------	-------

Municipal Law

Prévost, C., LL.B.	Prof.
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Notarial Procedure

Faribault, M., LL.D.	Prof.
----------------------	-------

Roman Law

Carignan, P., LL.L.	Prof.
---------------------	-------

Medicine

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

Anæsthesia

Longtin, L., M.D.	Assoc. Prof.
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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., certif. 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.
Cartier, P., M.D.	Asst. Prof.

Deontology and Medical Ethics

Pepin, J.-R., M.D.	Prof.
Paquin, Rev. J.	

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.

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, R., M.D.

Bélanger, Y., M.D.

Poirier, L., 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.

Baril, G., M.D.

Casgrain, G., 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.

Legendre, J.-H., M.D.

Léger, J., M.D.

Longtin, Madeleine, M.D.

Mackay, A., M.D.

Manseau, A., 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, L.L.L., M.D.

Larivière, P., M.D.

Assistant Professors

Côté, F., M.D.

Loignon, G., M.D.

Pilon, A., M.D.

Vasquez, J., M.D.

Obstetrics

Marion, D., M.D.

Prof.

Associate Professors

Bélanger, G., M.D.

Ricard, A., M.D.

Assistant Professors

Attendu, C.-A., M.D.

Cailloux, R., M.D.
 Champeau, J., M.D.
 Dansereau, A., M.D.
 Ducharme, G., M.D.
 Ferron, M., M.D.
 Fortier, J., 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.

Assistant Professors

Bonnier, M., M.D.

Berthiaume, C. A., M.D.

Brahy, J., M.D.

Dubuc, H., M.C.

Latraverse, V., M.C.

Legrand, H., M.D.

Mathieu, C., M.D.

Pædiatrics

Charbonneau, H., M.D.

Prof.

Associate Professors

Baril, H., M.D.

Guilbeault, A., M.D.

Labrecque, R., M.D.

Assistant Professors

Benoit, R., M.D.

Bombardier, J.-P., M.D.

Larivière, P.-M., M.D.

Léonard, C., M.D.

Léveillé, A., M.D.

Major, W., M.D.

Martel, J.-A., M.D.

Morin, G., M.D.

Royer, A., M.D.

Trudel, H., M.D.

Vézina, N., M.D.

Phthisiology

Vidal, J.-A., M.D.

Prof.

Associate Professors

Hébert, F., M.D.

Millet, J.-A., M.D.

Paquette, P., M.D.

Pilon, J.-L., M.D.

Assistant Professors

Bégin, B.-G., M.D.

Laurier, R., M.D.

Verschelden, M., M.D.

Radiology

Jutras, A., M.D.

Prof.

Dufresne, O., M.D. Assoc. Prof.

Assistant Professors

Brodeur, P., M.D.

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.

Tremblay, J., M.D.
Smith, P., M.D.

Assistant Professors

Archambault, L., M.D.
Béique, L., 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.
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.
Décarie, R., 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, Rev. L. M., D.Ph., S.Th.B.
Dean and Prof.

(a) *Dept. of Philosophy*

Professors

Lance, Rev. L., D.Ph.,
S.Th.M.
Martinelli, M., L.Ph.
Voyer, Rev. R.-M., S.Th.L.

Associate Professors

Décarie, V., D.Ph.

Lacoste, P., Ph.L.

Landry, Rev. A.-M., S.Th.L.,
D.Ph.

Sylvestre, Rev. A., D.Ph.

Assistant Professors

Ambacher, M., L.Ph., L. ès Lett.
phil.
Geiger, Rev. L.-B., S.Th.L., D.Ph.
Nicolas, Mrs. V., L. ès L. Paris.
Vignaux, P.

(b) *Institute of Mediæval Studies*

Audet, Rev. Th.-A., S.Th.L.,
L.Th. Washington
Dir. and Prof.
Papillon, Rev. A., S.Th.L., D.Th.
Rome.
Régis, Rev. L.-M., S.Th.M. Le
Saulchoir, Ph.D.

Associate Professors

Bérubé, Rev. C., Ph.D. Rome.
Décarie, V., M.A., Ph.D.
Lacroix, Rev. B.-M., S.Th.L.,
Scientt. Mediæv. D. Tor.
Landry, Rev. A. M., L.Th.L.,
Ph.D.
Pilon, Rev. P.-M., S.Th.L., Jur.
Can.Lic.

Assistant Professors

Bazin, J., L. ès Lett. Sorbonne.
Denburg, C., Ph.D.
Desautels, Miss A.
Fichet, Mrs. J.
Giguère, Rev. R.-M., Scientt.
Mediæv. Lic.
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.
Clerk, Mrs. M., L.Ps.

Décarie, Mrs. V., L.Ps.
 Lussier, A., L.Ps.
 Mailhiot, Rev. B., S.Th.L., M.A.
 Marcotte, J.-E., M.D.
 Milner, Mrs. B., Hons. in Psychol.

Assistant Professors

Beauchemin, J.-M., L.Ps.
 Bélanger, D., L.Ps.
 Hébert, B., L.Ps.
 Lavoie, G., L.Ps.
 Picard, Rev. R., S.Th.L., D.Ph.
 Rousseau, J., L.Sc.nat., Ph.D.

Theology

Professors

Fournier, R., D.Th.

Dean.

Ferland, A., D.Th.
 Charron, Y., D.Th. Rome.
 Lesieur, R., D.Th. Rome.
 Dorris, R., D.Th. Rome.
 Brosseau, R., D.Th.
 Desrosiers, J.-B., D.Th. Rome.
 Duhamel, R., L.Th.
 Morin, C., D.Th., L.E.S. Rome.
 Malo, Père A., L.E.S. Rome.
 Fecteau, R., D.Th.
 Gagnon, E., D.Th., D.D.C. Laval.
 Bulteau, G.-M., L.Th., L.E.S. Rome.
 Bolté, P.-E., D.Th., L.S.S. Laval.
 Sauvé, I., D.Ph. Rome, L.Th.
 Yelle, G., D.Th. Rome.

ADMINISTRATIVE AND OTHER STAFF

Chaplain : Rev. P. Grégoire. Treasury : P.-P. Huot, Asst. Treasurer.
 Accounting : R. Beaulne. Maintenance of Bldgs : R. Bureau, Ing.P. Pur-
 chasing : G. Bourgeois. Auxiliary Services : J.-E. Rémillard. Students
 Association : F. Delhaes.

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 ; Geog., Economic ; 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—A. Frigon. Director—Ignace Brouillet. 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 NOTRE-DAME, 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-des-Rapides, 9. (*Telephone*: Montreal, Dupont 4727.) Founded 1929. 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.)

ÉCOLE SUPÉRIEURE 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.

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 Mount-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 extend-

ing the present facilities, including the completing of the Hospl. (originally planned for 500 beds), a Union bldg., dormitories and a Sport Centre for the students, plus a pension fund for the professors and personnel.

LIBRARY, 275,000 vols. Each Faculty and School has the necessary teaching collections and laboratories.

FACULTIES AND DEANS, v. p. 758.

DEGREES AND DIPLOMAS. Courses in the incorporated and affil. institns. include—a 5 yrs.' course in the Éc. Polyt. for the B. ès Sc. App.; 4 yrs. in the Fac. de Ch. Dent. for the D. en Ch.D.; 4 yrs. in the Éc. de Phm. for the B. en Ph. and D. en Ph.; 4 yrs. in Agric. Inst., Oka, for the L. en Agr., B. en Agr., and D. en Sc.Agr.; 3 yrs. in the Éc. des H.É. Comm. for an L. en Sc. Com. and B. en Sc. Com. Courses leading to degrees in Music at the Conservatoire National de Musique and at the Éc. Sup. de Musique de l'Institut des Sœurs des SS. NN. de Jésus et de Marie.

FEES (1951-52). 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; Polytechnical 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 U. of M. 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 Literature, Hygiene, Dental Surg. and Pure Science.

GRADUATES ASSOCIATION: A.G.D.U.M. (Association Générale des Diplômés de l'Université de M.) 2900 Mont-Royal Blvd., Montreal, 26. (*Telephone*: Montreal, Atlantic 9451.) Sec.—G. H. Séguin.

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); *La Revue trimestrielle canadienne* (\$3); *L'Actualité économique* (\$3); *L'Action universitaire* (\$3).

THE YEAR 1950-51

DEATHS. H. Hébert; Dr. A. Bernier (former Prof., Fac. of Med.); D. Lalonde (former Superior of Coll. de Montr.); Mgr. J.-A. Vézina (former Superior, Saint-Hyacinthe Sem.); W. H. Atherton (Emer. Prof., Fac. of Letters); Abbé L. Desjardins (former Sec.-Gen.); H. Nagant (Emer. Prof., Agr. Inst., Oka); L. Favreau (Hon. Prof., Sch. of Optometry); S.E. Mgr. G. Courchesne; Dr. D. A. Hingston (Emer. Prof., Fac. of Med.); J. P. Gauthier (Prof., École des hautes études commerciales); A. Beaugrand-Champagne

(former Prof., École polytechnique); L. Bourgoin (Prof., École polytechnique); L. Gérin; R.P. R. Boileau (Prof., École de bibliothécaires); Hon. juge L.-J. Loranger (former Prof., Fac. of Law); Hon. juge A. Duranleau; Dr. A. Thibaudeau (former Prof., Fac. of Dent. Surg.); B. Leman; Dr. J. Lesage (former Prof., Fac. of Med.); Rév. Sœur Saint-Georges (former Dir. of English Section, Marianopolis Coll.); Sir E. Fiset; A. Désy (Prof., Fac. of Soc. Sc.); R.P. F.-X. Forest; Me G. Montgomery; R.P. F. Faribault (former Prof., Fac. of Theol.).

HONORARY DEGREES. *D. de l'U.*—H. Goguen; Abbé S. Grenier; juge E. Lemelin; Me F. Despins; Me V. Carignan; Dr. G. Nadeau; G. Filteau; A. Robert; Abbé A. Verrette; S.E. Mgr. A. Papineau; E. Cloutier.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	436	6151
Women	2813	3431
Total	3249	9582

Included in the above are 290 postgraduate students.

DEGREES. M.S.Agr., 1; L.S.Agr., 13; B.S.Agr., 9; B.A., 702; L.Sc.Com., 63; B.Sc.Com., 3; D.D.S., 69; B.D.S., 23; D.Ped., 1; L.Ped., 72; B.Ped., 35; M.Sc.A., 92; L.H., 12; D.H.P., 8; I.H., 38; LL.L., 35; LL.B., 28; D.Lett., 3; M.A., 73; L.Lett., 15; M.D., 93; M.Sc.N., 2; B.Sc.N., 11; B.Sc.Inf., 4; M.Mus., 6; L.Mus., 2; B.Mus., 41; L.Sc.O., 16; B.Pharm., 73; Ph.D., 1; L.Ph., 4; M.A.(phil.), 1; B.Ph., 13; Ph.D. (Med. Studies), 2; L.Ph. (Med. Studies), 1; B.Ph. (Med. Studies), 2; D.Ph. (psych.), 2; L.Ph. (psych.), 1; M.A. (psych.), 7; B.Ph. (psych.), 11; D.Sc., 5; M.Sc., 16; B.Sc., 70; L.S.P., 54; M.A. (Ind. Rel.), 3; M.A. (Soc. Work), 4; L.Th., 24; B.Th., 37; D.M.V., 12.

MOUNT ALLISON UNIVERSITY*

Founded 1858

Postal Address : Sackville, New Brunswick.

Telegraphic and Cable Address : Mount Allison, Sackville, N.B., Canada.

Telephone : Sackville 15 and 258.

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Mich., M.A.

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N.S.T.C., M.A.

TEACHING STAFF

Art, v. Fine Arts, infra

Biblical History and Literature

Ebbutt, A., B.A., B.D., Th.D. Tor.

Prof.

Des Barres, Rev. F. W. W., B.A.,
D.D. Lectr.

Biology

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McG. Prof.

MacLauchlan, D. W., Ph.D. McG.,
B.Sc. Prof.

Barclay, L. R. C., M.Sc. Lectr.

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Crake, J. E. A., B.A. Tor., M.A.
Oxon., Ph.D. Johns H. Prof.

Commerce

Leard, A. D., B.A. Lectr.

Economics and Political Science

Tucker, Rev. H., B.A. Acad.,
A.M., M.Ed. Harv., Ph.D.

Hartf. Joseph L. Black Prof.

MacDowell, G., B.A. Dal., A.M.
Clark Lectr.

Education

Southam, H. D., B.A. Br. Col.,
D.Pæd. Tor. Prof.

Parker, K. A., M.A. Col., B.A.
Lectr.

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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.
Sloan, W. E., B.A. Tor., A.M.
Harv. Lectr.

Fine Arts

Harris, L. P. Prof.
Colville, A., B.F.A. Asst. Prof.
Pulford, E. B., B.F.A. Instr.
Roulston, E. N., B.A. Instr.
Roulston, M. L., B.A. Instr.

French

MacBeth, T. A., M.A. New Br.
Prof.
Tucker, R. T., A.B. N.E., A.M.
N.W. 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. Prof.
Lockwood, P. A., M.A. Camb.
Lectr.

Home Economics

Runciman, Doris, B.S., M.A. Col.
Prof. and Director.
Cavanagh, C. M., B.Sc. 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.
Peake, Ethel (Voice) Hd. of Dept.
Hall, Doreen F. (Violin) Hd. of Dept.
Allen, Dorothy, Mus.B. (Voice).
Patterson, Allison, B.Sc., B.Ed.
(Piano and Organ).
Kinsman, E., Mus.B. (Piano).
Armstrong, J., L.Mus. (Theory)
Instr.
Elliott, C., Mus.B. (Public Sch.
Music) Instr.

Philosophy and Psychology

Baxter, C., B.A. Vic. Tor., M.A.,
Ph.D. Tor. Prof.
Munro, Rev. W. F., M.A., B.D.
Vic. Tor. Lectr.

Physics

MacGregor, D. G., B.A. Dal., M.A.
Oxon. O. E. Smith Prof.
Crawford, D. P., M.Sc. Dal.,
Ph.D. Rochester, B.Sc. Prof.

Physiology

Dickson, Anne, M.D., C.M. Dal.
Dean of Women, Lectr.

Spanish

Vargas, J. Lectr.

ADMINISTRATIVE AND OTHER STAFF

Dir., Student Health Service, C. L. Gass, B.A., M.D., C.M. Dal.; Dir.,
Alumni and Public Relations, G. 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 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 the Faculty of the Univ., the Headmaster of the Academy, and 12 Regents appointed by the Board. It is charged with the duty of regulating the strictly educational concerns of the Academy and the Univ. The general management of affairs is entrusted to the Board of Regents, which is also the supreme governing body of the Academy. The Board consists of 44 members; 24 appointed by the General Council of the United Church of Canada and 20 representatives of the Federated Alumni. In its internal administration, the Univ. has always been conducted on strictly non-sectarian principles.

FACULTIES AND DEANS, v. p. 772.

ENTRANCE REQUIREMENTS. B.A. course: J. Matricn. in English, a classical lang., a foreign lang., Maths. and any two selected from Hist., Chem., Physics, Geol., Biol., Trigonometry, Music. B.Sc.: the same, except that one foreign lang. must be French or German. The matricn. exams. of the Canadian provinces and the British School 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 J. Matricn., B.A., B.Sc., B.Sc. in Home Economics. Twenty full credit courses, including first and second yr. required courses and ten electives in the third and fourth yr., providing a major of five courses in one field and a minor of three courses in a related field, are chosen. Honour courses in certain subjects and groups of subjects in Arts and Sci. are also provided. Students completing the certif. course in Fine Arts with a standing of 75 per cent. or over may proceed to a fourth yr. to qualify for the Bachelor of Fine Arts degree. The Mus.B. is conferred on the satisfactory completion of a course in Theory of Music and Composition.

PROFESSIONAL DEGREES. B.Ed. requires one yr. of resident study beyond the B.A. or B.Sc.; M.S.W. (Master of Social Work), two yrs. in approved School of Social Work beyond the B.A. or B.Sc.

HIGHER DEGREES. M.A., obtainable by approved course of graduate study, one yr. beyond B.A. with Hons.; M.Sc., obtainable by approved course of graduate study from one to two yrs. beyond B.Sc. with Hons.

HONORARY DEGREES. LL.D., D.C.L., D.Litt., D.Mus., D.D.

CERTIFICATES. Engin., 3 yrs.; Finance and Commerce, 2 yrs.; Secretarial, 3 yrs.; Fine Arts, 3 yrs.; Applied Arts, 3 yrs.; 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) \$420 p.a. Trueman House, 195, senior residence for men; Dean of residence, Dr. D. W. MacLauchlan. Brunswick House, 100 men; Dean of residence, P. A. Lockwood. Mount Allison Academy and Freshman Residence, 100 men; Headmaster, K. A. Parker. Allison Hall, 300 women; Dean of women, Dr. Anne Dickson. Ortona Hall and Normandy Hall, 16 apartments each for married 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, 131.

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 1951, 148.

SCHOLARSHIPS. A number of entrance and course scholps. are available each yr., including five Lord Beaverbrook Entrance Scholps. of \$500 per yr. for four yrs. and four Bennett undergraduate scholps. of an annual value of \$300. Other substantial scholps. are the Partenen in Mining Engin., two awards of \$400 annually; the O. E. Smith scholps., the Dennis Memorial and others. Five Lord Beaverbrook postgraduate scholps. are available annually. These scholps. cover all expenses for a yr. at the Univ. of London.

MOUNT ALLISON FEDERATED ALUMNI. The Federation elects 20 of the 44 members of the Board of Regents, five each yr. to serve four yrs. Official publication: *Mount Allison Record*.

NATIONAL DEFENCE TRAINING. Male students who enrol in the Canadian Officers' Training Corps (C.O.T.C.) take a course of training designed to qualify them as commissioned officers in the Canadian Army. The University Naval Training Division, U.N.T.D., offers a four-yr. course at regular service rates of pay and, on successful completion of the course, admission into the Royal Canadian Naval Reserve as a sub-lieutenant. The Royal Canadian Air Force offers courses for Short Service Commission Officers in the R.C.A.F. Aircrew List for undergraduates and the University Summer Training Scheme for undergraduates, as well as other training and employment schemes.

HOSPITAL AND HEALTH SERVICE. Includes physical examn. with chest X-ray at registration. There are two hospital units on the campus with graduate nurses in charge and the campus physician in attendance. A small fee included in the general fee covers this service.

SPORTS FACILITIES. Include a large playing field, a gymnasium, tennis courts and a large modern artificial ice rink.

PUBLICATIONS. *Calendar* (April); *Argosy* (students'), weekly, and *Mount Allison Record*, quarterly; the *Wood lectures* (occasionally).

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Algoma Ore Properties, \$10,000 p.a. for 25 yrs. to establish Sir James Dunn Professorship and Foundation in Geol. Numerous other gifts.

NEW POSTS. Additional full-time lectrs. in Classics and in Psychol.

HONORARY DEGREES. *LL.D.*—H. O. McCurry, Dir. of National Gallery of Canada ; G. A. Sisco, Sec., General Council, United Church of Canada. *D.C.L.*—J. B. McNair, Premier of New Brunswick ; H. R. Milner, lawyer, soldier and philanthropist, of Edmonton.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	73	386
Women	133	239
Total	206	625

Included in the above are 18 postgraduate students and 220 new admissions.

DEGREES AWARDED. B.A., 55 ; M.A., 2 ; B.Ed., 17 ; M.S.W., 1 ; B.Sc., 23 ; M.Sc., 2 ; B.Sc. in Home Ec., 6 ; B.Mus., 2 ; B.F.A., 8.

CERTIFICATES AWARDED. Commerce, 9 ; L.Mus., 2 ; Assoc.Mus., 1 ; Fine Arts, 7 ; Appl. Arts, 5 ; Engin., 27.

MOUNT SAINT VINCENT COLLEGE

Chartered 1925

Postal Address : Halifax, Nova Scotia.

Telephone : 5-5441.

CHANCELLOR—H.E. the Most Reverend JOHN THOMAS McNALLY, D.D.,
Archbishop of Halifax.

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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.

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Sister Mary Evelyn, B.A. Dal.,
M.A. Tor., Ph.D. C.U.A.

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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.

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ham.

Sister Mary James, M.A. Fordham.

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Ph.D. Fordham.

Sister Maura, B.A. Lond., M.A.
Dal., Ph.D. Notre-Dame.

French

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Ph.D. Fordham.

History

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Ph.D. Fordham.

Home Economics

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Sister Elizabeth Clare, M.Sc.
Simmons, B.Sc.

Travis, Allayne, B.Sc. St. F.X.,
M.Sc. Montr.

Library Science

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Creighton, M.A. Dal., Ph.D.
Fordham.

Sister Francis Dolores, B.A.,
B.L.S.

Mathematics

Sister Anna Gertrude, B.A. Dal.

Sister Mary Evelyn, B.A. Dal.,
M.A. Tor., Ph.D. C.O.A.

Music

Sister Cecilia Miriam, M.Mus.
Chic.

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.

Sociology

Sister Joseph Elizabeth, B.A. Dal.,
M.S.S.W. C.U.A.
Sister Louise Adelaide, B.A.

Secretarial Studies

Sister Ellen Francis, B.A., M.C.S.
Boston, B.Sc.

Speech

Sister Marie Eustella, B.A. Dal.,
B.O.E. Currie, M.A. Ford-
ham.

GENERAL INFORMATION

Mount Saint Vincent College is the only independent Women's College (*i.e.* empowered to confer degrees) in Canada.

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 27,000 volumes have been donated to the library by Universities, private libraries and individuals.

LIBRARY. 27,000 vols. Students have access to books in Provincial Library as well as to those regulated by inter-college and Universities loan system.

FACULTIES. Arts; Music; Nursing; Home Economics; Secretarial Studies; Library Science.

DEGREES. B.A., B.Sc., B.Mus., B.L.S., L.Mus. The Arts course and the professional courses leading to the B.Sc. cover 4 yrs. after Junior Matriculation. The course leading to the Licentiate in Music covers 2 yrs. of the degree work. Professional courses require also special projects wherein during the summer vacation students spend a limited time actually in service in the field of their chosen professions.

COURSES OF STUDIES. Arts Course, Normal School (for teachers in the Province of Nova Scotia), Music Course (4 yrs. for B.Mus. and 2 yrs. of regular 4-yr. course for Licentiate), Nursing (leading to B.Sc. in Nursing), Home Economics (4-yr. course leading to B.Sc.), Secretarial Studies (leading to B.Sc. in Sec. St.), Library Science (leading to B.L.S., 1-yr. course after Bachelor's degree), Education, 1 yr. after B.A. leading to High School Teacher's Licence granted by Provincial Dept. of Education.

FEES. Inclusive Fee for Board, Residence and Tuition, \$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.

UNIVERSITY OF NEW BRUNSWICK*

Founded 1800

Postal Address : Fredericton, N.B.

Telephone : 5533.

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LIBRARIAN—Mrs. Marjorie J. Thompson.

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D.Sc. ; *Graduate Studies*—F. J. Toole, Ph.D. McG. ; *Law*—Hon.
Mr. Justice W. H. Harrison, D.S.O., LL.B., LL.D. ; *Science*—
C. W. Argue, C.B.E., B.A., B.S.A. Br. Col., M.S. Iowa, D.Sc.

TEACHING STAFF

Biology

Argue, C. W., C.B.E., B.A., B.S.A.
Br. Col., M.S. Iowa, D.Sc.

Dean, Fac. 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., M.Sc. Western.

Taylor, A. R., B.A. Tor.

Chemistry

Toole, F. J., Ph.D. McG.
Dean, Graduate Studies,
Prof.

Wiesner, K., D.Sc. Prof.

Stewart, A. P., Ph.D. McG.
Assoc. Prof.

Los, J. M., Drs. Amst. Asst. Prof.

Classics

Cattle, R. E. D., M.A. Camb.
Prof.

Burrows, P. M., M.A. Camb.

Asst. Prof.

Economics and Politics

Milligan, F. A., M.A. Assoc. Prof.

Smith, W. Y., B.A. Assoc. Prof.

Anton, F. R., B.Sc. Asst. Prof.

Education

Love, R. J., M.A., B.Pæd. Tor.

Prof.

McIntyre, G. F., B.Pæd. Tor.

Asst. Prof.

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.

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

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., A.M. Harv.
Lawrence, R. G., M.A. Asst. Prof.

Forestry

Professors

Gibson, J. M., O.B.E., D.Sc.
Dean and Prof.

Long, H. D., B.Sc.

Seheult, L. R., M.Sc.F. Tor.

Brown, N. R., M.A. W. Ont.

Pringle, S. L., B.Sc., M.F.
Assoc. Prof.

Assistant Professors

Roberts, E. W., B.Sc.
Irwin, J. D., B.Sc.F. Tor.
Buckingham, F. M., M.F. Harv.,
B.Sc.

Geology

MacKenzie, G. S., Ph.D. Tor. Prof.

Assistant Professors

Baird, D. M., Ph.D.
Cameron, R. A., B.Sc. Dal.

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.
Jones, W. G., B.Sc., LL.D.

Associate Professors

Edwards, L. P., M.A. Acad.
Staal, R. A., Ph.D.

Modern Languages

McAndrew, W. A. G., D. de l'Univ.
Paris Prof.

Hubener, Jean I., Dr.Phil. Bonn
Prof.

Whimster, Mary Louise, B.A.
Manit. Assoc. Prof.

Stoessl, F., Ph.D. Vienna
Asst. Prof.

Shaw, A. J., B.A. Tor. Asst. Prof.

Philosophy

Stewart, D. A., Ph.D. Tor. Prof.

Physics

Boone, A. E., B.Sc., M.A. Western
Prof.

Kennedy, J. E., M.A. Qu.
Assoc. Prof.

Assistant Professors

Tillotson, J. G., M.Sc. W. Ont.
Weiner, T., Doctor of Physics,
Milan.

Psychology

Snodgrass, Florence T., Ph.D.
Yale Prof.

Black, P., B.Sc. Sir G. Wms., M.Sc.
McG., A.M. Harv. Asst. Prof.

Sociology

Pullman, D. R., B.Ed. Alta., M.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. 779.

DEGREE COURSES. 5 yrs. (from "Junior" Matricn.), Engin., Forestry. 4 yrs., B.A., B.Sc. 3 yrs., B.C.L. The "Senior" Matricn. (or equivalent) Certif. admits to the 2nd year.

HIGHER DEGREES. B.Ed. (1 yr. from first degree); M.A. (2 yrs.), M.Sc. (2 yrs.); Honorary—D.Litt., D.Sc., LL.D.

DIPLOMA COURSES. 3 yrs.—Mining Engin., Chemical Engin.

FEES. Tuition, annual: Arts, \$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 and Saint John, 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.; 10 graduate Overseas Beaverbrook Scholps., all expenses including holiday travel in Great Britain; Sir James Dunn Scholps., 2 of \$500 each; 1 graduate scholp. of \$1000; research fellowship of \$2500; Colonel C. H. L. Jones Scholps., 10 of \$500 each, 75 others.

PUBLICATIONS. *Calendar* (Jan.) ; *Brunswickan* (students' weekly) ; *Fiddlehead* (students' poetry magazine) ; *Memorial Volume in commemoration of 150th anniversary*.

THE YEAR 1950-51

BENEFACTIONS. New Library Wing donated through the generosity of the Rt. Hon. Lord Beaverbrook. Lord Beaverbrook has also donated special collections of the Rt. Hon. Bonar Law's Papers and Visct. Bennett's Papers.

NEW DEPARTMENT. Business Admin. Course introduced. Extension Courses for a B.A. degree offered at Fredericton, N.B., during the winter session.

HONORARY DEGREES. The Rt. Hon. R. Law, former British Cabinet Minister, present British M.P. ; F. E. Gannet, Newspaper Publisher, Rochester, N.Y. ; J. W. Humphrey, Artist, Saint John, N.B. ; Grace H. Mowat, Author, Founder of Cottage Craft Industry of N.B., St. Andrews, N.B. ; W. J. Wright, former provincial Geologist, Prof. Emer., Univ. of N.B., Fredericton, N.B.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	701
Women	..	95
Total	..	796

Included in the above are 38 postgraduate students and 136 new admissions.

DEGREES. B.A., 57 ; M.A., 3 ; B.Sc. in Arts, 27 ; M.Sc. in Arts, 11 ; B.Ed., 11 ; B.C.L., 21 ; M.Sc. in Civil Engin., 2 ; B.Sc. in Electrical Engin., 5 ; M.Sc. in Electr. Engin., 1 ; B.Sc. in Forestry, 7 ; M.Sc. in Forestry, 2.

NOVA SCOTIA TECHNICAL COLLEGE *

Postal Address : Halifax, Nova Scotia.

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—Prof. SPENCER BALL, B.Sc. Sask. (Civ.
Engin.) ; Prof. DAVID S. NICOL, B.Sc. Qu. (Electr. Engin.) ; Prof.
SETON J. MONTGOMERY (Mech. Engin.) ; Prof. A. EDWARD FLYNN,
A.R.S.M., D.I.C. (Mining Engin.) ; Prof. M. ROY FORAN, M.Sc.
Sask., Ph.D. McG. (Industr. Chem.) ; Prof. 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.

Piers, E. O. T., B.A., B.Sc. McG.

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, M.A. Qu., Ph.D. Debrecen, I.L.D. Ott. and New Br., D.P.Ec. Ukr. Free U., 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—A. G. Hatcher, M.A. McG., LL.D. Mt. All. and Dal. MOUNT ALLISON UNIVERSITY, Sackville, N.B. President—Col. the Rev. W. T. R. Flemington, O.B.E., M.A., B.Pæd. Tor., D.D. Qu., M.A., LL.D. New Br. ST. FRANCIS XAVIER UNIVERSITY, Antigonish, N.S. President—Rt. Rev. P. J. Nicholson, Ph.D. Johns H. SAINT MARY'S COLLEGE, 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, \$150 per yr. ; Graduate Studies, \$125 ; Summer Courses, \$12.50 ; Survey Camp, \$75 ; Students' Soc., \$14.50 ; Caution Fee, \$5.

DEGREE COURSES. B.E. Hons. (Civ., Elect., Mech., Mining, Chem., Metallurgical), B.E. (Civ., Electr., Mech., Mining, Chemical, Metallurgical), M.E.

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.), estbld. 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-curricula student activities. Every student is a member.

PUBLICATIONS. *Calendar* (Spring) ; *Tech. Flash* (Yearbook) ; *Alumni Bulletin* (4 editions per yr.).

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	367
Women	..	..
Total	..	367

Included in the above are 8 postgraduate students, 9 special students and 180 who were enrolled in the junior year.

DEGREES. B.E. in Civ. Engin., 57 ; B.E. in Electr. Engin., 28 ; B.E. in Mech. Engin., 61 ; B.E. in Mining Engin., 9 ; B.E. in Chem. Engin., 7 ; B.E. in Civ. Engin. with 'Hons., 1 ; B.E. in Electr. Engin. with Hons., 1 ; B.E. in Mech. Engin. with Hons., 1 ; B.E. in Chem. Engin. with Hons., 1 ; M.E., 2.

DIPLOMA. Dipl. in Archt., 1.

UNIVERSITY OF OTTAWA

Founded 1848; incorporated as a University in 1866

Postal Address : Laurier Ave., Ottawa.

Telephone : Ottawa 5-6751.

VISITOR—The Hon. LOUIS O. BREITHAUP, Lieut.-Governor of Ontario.

APOSTOLIC CHANCELLOR—H.E. the Most Rev. A. VACHON, D.D.
Laval, Archbishop of Ottawa.

RECTOR—Rev. R. NORMANDIN, S.T.L. Rome, Ph.D.

VICE-RECTORS—Rev. A. CARON, Ph.D., S.T.D., J.C.D. Rome, Dean of
Fac. of Canon Law; Rev. R. LAMOUREUX, B.A., S.T.B., Ph.D.

SECRETARY-GENERAL—MAURICE BEAUCHAMP.

TREASURER—Rev. I. PIGEON, B.A., J.C.B.

COUNCILLORS—Rev. R. LAVIGNE, B.A., D.Ph. S.T.B., Dean of Fac. of
Arts; Rev. R. TRUDEL, Dipl.Ph. Sorbonne, Dipl. Psychol. Paris,
B.A., Ph.D., S.T.D., J.C.D., Dean of Fac. of Phil., Dir. of Sch. of
Grad. Studies; Rev. R. BÉLANGER, S.T.D. Rome, Ph.D.; Dr.
A. L. RICHARD, B.A. St. Anne N.S., M.D. Laval, Dean of Med.

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., L.Ph. Prof.
Marchand, J. - P., B.Com.,
L.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., M.D. Cracow
Assoc. Prof.
Bohartichuk, F., M.D., D.M.Sc.
Kiev Research Prof.
Coutu, J. N., M.D. Montr.
Demr.

Shapiro, E., M.D. Tor. Demr.

Architecture and Drawing

Lefort, B. 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.

Lecturer

.....

Business Administration

Casselman, H., D.Com. Temple,
B.Stat., M.A., Ph.D. (Pol.
Sc.) (v. also Pers. Manage-
ment and Pol. Sc.) Lectr.

*Canon Law, Faculty of, v. infra**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., B.Sc.,
L.Ph., S.T.L.

Associate Professor

Tigges, W., M.A.S. Ultuna Inst.,
Uppsala, Ph.D. Halle-Wit-
tenberg (v. also Maths. and
Physics).

Lecturers

Harbic, D., B.A., B.Sc.
Boivin, P.-A., D.Sc. Laval.
Bridgeo, W. A., B.A.Sc. Laval.
Gagné, Rev. T., M.A., Dipl. Chem.
Laval, L.Ph., L.Th.

Classics: Greek

Rakus, A., M.A., Ph.D. Bratislava
(v. also Classics : Latin)
Assoc. Prof.

Classics: Latin

..... Dir. Corr. Courses and
Sec., Fac. of Arts, Prof.
Houde, Rev. R., B.A., Ph.L.,
S.T.B. Prof.
Rakus, A., M.A., Ph.D. Bratislava
(v. also Classics : Greek)
Assoc. Prof.
Poliquin, J.-M., B.A., Ph.L.,
S.T.B. (v. also French and
Spanish) Lectr.
Lacombe, H., M.A., B.P.H.
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.
Migone, P. F., Ph.D. Rome, M.A.

Education

Shevenell, Rev. R., M.A., Ph.D.
(v. also Psychol.)
Prof., Dir. of Inst. of
Psychol.

Associate Professors

Chagnon, M., M.A., L.Ph. (v. also
Psychol.)
Paplauskas-Ramunas, A., M.Litt.
Kaunas, Ph.D. Vienna (v.
also Psychol.)
Lalande, Mrs. E., M.A. Lectr.
Lavigne, R., B.A., B.Ph. Lectr.
Sidlauskas, Miss A., 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.Litt. Paris, B.A., S.T.L.
Tremblay, Rev. A., B.A., S.T.B.
Hamel, Rev. C., B.A., Ph.L.,
S.T.B.

Lecturers

Beaudet, A., B.A.
Beaulieu, M.
Brunet, M., M.A.
de Chantal, R., B.A., L.Litt. Paris.
Filion, G., B.A.
Poliquin, J.-M., B.A., Ph.L.,
S.T.B. (v. also Classics :
Latin ; and Spanish).

Geography

Jost, T., M.Ph. Cracow (v. also
Geol.) Lectr.

Geology

Lecturers

Jost, T., M.Ph. Cracow (v. also
Geog.).
Tremblay, L. P., M.Sc. Laval,
Ph.D. Tor., B.A.
Sanchagrin, Rev. R., B.A.L.Sc.
Laval, M.A. Br. Col. Lectr.

German

Freed, P., B.Com. Lectr.

Graduate Studies, School of

Trudel, Rev. R., Dipl.Ph. Sor-
bonne, Dipl.Psychol. Paris,
B.A., Ph.D., S.T.L., J.C.L.
(v. also Philos.) Dir.

*Greek, v. Classics, supra**Histology and Embryology*

Bélanger, L. F., B.A., M.D. Montr.,
M.A., M.Sc. Harv.
Prof. and Hd. of Dept.

History

Professors

Bradley, Rev. F., M.A., Ph.D. (v.
also English Lang. and Lit.).
Buxton, G., M.A. Manit., D.Litt.
Paris.

Corriveau, Rev. P., L.Litt. Paris,
B.A. Assoc. Prof.
Thivierge, Rev. E., M.A., Ph.L.,
S.T.B.

Vice-Dean, Fac. of Arts.

Associate Professor

Brault, L., M.A., Ph.D.

Lecturer

.....

Italian

Royal, Rev. E., M.A. Laval,
S.T.D. Rome, Ph L.
Prof., Dir. Correspond-
ence Course and Sec.,
Fac. of Arts.

Journalism

Saint-Arnaud, C. A., B.A. Lectr.

*Latin, v. Classics**Library Science, School of*

Morisset, Rev. A.-M., M.L.S. Col.,
B.A., J.C.L.
Prof. and Dir. of School.

Mapping

Grégoire, J., B.A., B.Sc. Laval
(v. also Surveying) Lectr.

Mathematics

Professors

Dubé, Rev. H., Ph.D. Rome,
D.Sc. Lille (v. also Phys.).
Lavigne, Rev. R., B.A., L.Ph.,
S.T.B. (v. also Phys.)
Prof. and Dean of Fac.
of Arts.

Cloutier, Rev. G., B.A., Ph.D.,
S.T.L.

Associate Professors

Vachon, L., B.A., M.Com. Montr.
Tigges, W., M.A.S. Ultuna Inst.,
Uppsala, Ph.D. Halle-Witten-
berg (v. also Chem. and
Physics).

Lecturers

Beauchesne, L.-A., B.A., B.Sc.
Laval (v. also Electr. and
Mechanics).

Biberstein, O., L. ès Sc. Stras.

Lectr.

Hébert, G., B.Sc. (v. also Phys.).

Allard, J. L., B.A., L.Ph.

Duprat, J. T., B.A., M.Sc. (Math.)
Laval.

Vincent, R., B.A., B.Sc., L.Ph.

Mechanics

Lecturers

Beauchesne, L.-A., B.A., B.Sc.

Laval (v. also Maths. and
Electricity).

Carrier, L. M., B.A., B.Sc. Polyt.
Montr., T.D.

Lefaivre, J., B.A., B.Sc. (Phys.)
Laval.

Medicine, Faculty of, v. infra

Missiology, Institute of

Champagne, Rev. J. E., Miss.D.

Rome, M.A., Ph.L., S.T.B.

Prof. and Dir. of Inst.

Music, School of

Martel, Rev. J., B.A., J.C.B.

Dir. of School.

Nursing, School of

Gendron, Rev. R., M.A., S.T.L.

Dir. of Sch.

Personnel Management

Casselman, H., D.Com. Temple,

B.Stat., M.A., Ph.D. (Pol.

Sc.) (v. also Business Admin.
and Pol. Sc.) Lectr.

Philosophy, v. also Faculty of Philosophy, infra

Professors

Saint-Denis, Rev. H., Ph.D.,
S.T.D. Rome, B.Pæd. Tor.,
B.A.

Gendron, Rev. J., B.A., Ph.D.,
S.T.L. (v. also Religion).

Trudel, Rev. R., Dipl.Ph. Sor-
bonne, Dipl.Psychol. Paris,
B.A., Ph.D., S.T.L., J.C.L.

Prof. and Dir., School of
Grad. Stud.

Dufour, Rev. P., Ph.D. Chic.,

M.A., S.T.B. (v. also Pol. Sc.)

Prof. and Dir. of Summer

School. (On leave of

absence: Chaplain,
Can. Army.)

Associate Professors

Beauchamp, Rev. M., Ph.D.,

S.T.L. (v. also Religion).

Perron, Rev. L., B.A. (v. also

Religion).

Simon, Rev. L.-M. (v. also Re-
ligion).

Latiaverse, Rev. R., B.A., L.Ph.

Lectr.

Magner, T. J., M.A. Tor. Lectr.

Physical Education, Institute of

Montpetit, Rev. M., B.A.

Dir. of Inst. and Prof.

Lecturers

Chraska, W., Dipl. Sports Acad.
Vienna.

Roy, R., B.A., B.Ph.

Côté, Rev. P., B.A.

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.

Tigges, W., M.A.S. Ultuna Inst.,

Uppsala, Ph.D. Halle-Witten-

berg (v. also Chem. and

Maths.) Assoc. Prof.

Cloutier, R., B.A.Sc. Laval Lectr.

Hébert, G., B.Sc. (v. also Maths.)

Lectr.

Bakos, G., M.Math., M.Phys.

Bratislava

Lectr.

Physiology, v. also *Medicine*,
infra

Marcotte, Rev. F.-X., Ph.D.,
S.T.D. Rome (v. also *Religion*)
Prof.

Polish Lang. and Lit., v. East
and South European Institute,
infra

Political Science, School of

Bélanger, Rev. J.-M., B.A., Ph.L.,
S.T.L.

Prof. and Asst. Dir. of
Sch.

Dufour, Rev. P., Ph.D. Chic.,
M.A., S.T.B. (v. also *Philos.*)

Prof. and Dir. of Summer
School. (On leave of
absence: Chaplain,
Can. Army.)

Lecturers

Casselmann, H., D.Com. Temple,
B.Stat., M.A., Ph.D. (Pol.
Sc.) (v. also *Personnel Man-
agement and Bus. Admin.*).

Harrington, J. M., M.A. Western,
M.Sc. Lond.

Rodys, W., LL.D. Pétersbourg
and Berl., Ph.D., Pol.Sc.D.,
Ph.D.

Ollivier, M., Q.C., B.A., LL.L.
Laval, LL.D. Montr., F.R.S.C.

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., L.Ph. (v. also
Educn.).

Dayhaw, L., Ph.D. Louvain.

Szyrinski, V., M.D. Warsaw,
Ph.D. (v. also *Psychiat.*, *infra*).

Joly, J.-M., M.A. Lectr.

Paplauskas-Ramunas, A., M.Litt.
Kaunas, Ph.D. Vienna (v.
also *Educn.*) Assoc. Prof.

Chagnon, G., B.A., B.P.H. Lectr.

Psycho-Physiology

Coté, 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.L.,
S.T.L. Lectr.

Public Administration

Lecturers

Lefebvre, O., B.A.

Morisset, G., M.A., LL.L. Montr.

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 *Phy-
siol.*).

Gendron, Rev. J., B.A., Ph.D.,
S.T.L. (v. also *Philos.*).

Associate Professors

Lemieux, Rev. R., M.A., L.S.Sc.

Beauchamp, Rev. M., Ph.D.,
S.T.L. (v. also *Philos.*).

Perron, Rev. L., B.A. (v. also
Philos.).

Simon, Rev. L.-M. (v. also *Philos.*).

Russian, v. East and South
European Institute, *infra*

Social Work

Bowers, Rev. S., B.A., M.Sc.

Prof. and Dir. of School
(St. Patrick Coll.).

Sociology

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

Bernier, Y., B.A., B.Sc. Laval
Lectr.

Surveying

Lecturers

Grégoire, J., B.A., B.Sc. Laval (v.
also Mapping).

Savard, Rev. M., F.E. Laval, B.A.

Theology, v. Faculty of Theology,
infra

Translation

Daviault, P., F.R.C.S. Lectr.

Mayer, J. H. Lectr.

Workshop

Lecturers

Gibbon, C.

Goyette, A., C.T. Montr.

Lafond, J. E.

Medicine

(For subjects of first two years—
Anat., etc., v. *supra*)

Anæsthesia

Lecturers

Bonfield, J. P., M.D. Qu.

Law, D., M.D., C.M. Qu.

Sauvé, N., M.D. Montr.

Clinical Assistant

.....

Anatomy, v. *supra*

Bacteriology

Gibbons, R. J., M.A., M.D.,
D.P.H. Tor. Prof.

Bobra, S. T., M.D. Lwow.

Biochemistry, v. *supra*

Dermatology

Kingma, H., M.D. Groningen
Lectr.

Ethics

Lecturers

Loranger, Rev. R.

Beauchamp, Rev. M., Ph.D.,
S.T.L. (v. also Philos. and
Rel.).

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.

Schwarz, H., M.D. Sheff.

Tittley, J. R., B.L., M.D. Montr.

Tremblay, N., B.A., M.D. Laval.

Clinical Assistants

Beairsto, A. W., M.D. Tor.

Julien, Lucille, M.D. Montr., B.A.

Maziec, K., M.B., Ch.B. Edin.

Medicine, History of

Young, C., M.D., C.M. McG.,
F.A.C.S. Prof.

Mantha, L., M.D. Montr. Lectr.

Obstetrics and Gynæcology

Richard, A. L., B.A. St. Anne
N.S., M.D. Laval

Prof. and Hd. of Dept.,

Dean of Fac. of Med.

de Saint-Victor, H., B.A., M.D.
Laval Assoc. Prof.

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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.
 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.
 Bencosme, S., M.Sc., Ph.D. McG.,
 M.D. Montr. Asst. Prof.

Fellows in Pathology

Bisson, J. P., M.D.
 Brown, N. F., M.D., C.M. Qu.
 Rota, A. N., M.D. Tor.
 Tremblay, P. E., M.D.

Pharmacology

Murnaghan, M., M.B., M.S. N.U.I.
 Prof.
 Black-Sandler, R., M.Sc., Ph.D.
 Jerusalem.

Physiology, v. also supra

Johnson, J. R., B.S. Washburn,
 Ph.D. Tulane Prof.

*Psychiatry**Lecturers*

Szyrnski, V., M.D. Warsaw,
 Ph.D. (v. also Psychol., *supra*)

Cathcart, J. P. S., M.B. Tor.
 Chalks, Major F. C. R., M.D.
 Manlt., M.Sc. (Med.) Qu.

Psychology

Shevenell, Rev. R., M.A., Ph.D.
 (v. also Educn.)
 Prof. and Dir. of Inst. of
 Psychol.

Associate Professors

Dayhaw, L., Ph.D. Louvain.
 Chagnon, M., B.A., L.Ph. (v. also
 Educn.).

Radiology

Mooney, B. R., M.D. W. Ont.
 Lectr.
 Matzinger, K. E., M.D. Brati-
 slava Clin. Asst.

Surgery

Valin, E., M.D., C.M. McG.,
 F.A.C.S., F.R.C.S.Can.
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 Prof. of Clin. Surg.

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 Ph.L., F.R.C.S. (v. also
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 B.A.O. N.U.I., F.R.C.S.I.
 Larocque, A., B.A., M.D. Montr.
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 F.A.C.S., F.R.C.S.Can.
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 Rossignol, J. C., B.A., M.D.
 Montr.
 Tallon, J. A., B.A., M.D., C.M.
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 Laval.
 Terrien, J., M.D. Laval, B.A.

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[Prof.
 Gaulin, E., M.D. Montr., F.A.C.S.]

Canon Law, Faculty of

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.

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Fac.

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S.T.L., J.C.D.

Lesage, Rev. G., M.A., Ph.D.,
J.C.D., D.S.Sc., D.Litt.,
S.T.L.

Lecturers

Beahen, H. P., B.A.

Ollivier, M., Q.C., B.A., LL.L.
Laval, LL.D. Montr., F.R.S.C.

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bonne, Dipl.Psychol. Paris,
B.A., Ph.D., S.T.L., J.C.B.

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Dir. of School of Grad.
Studies.

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S.T.L.

Normandin, Rev. R., S.T.L.
Rome, Ph.D.

Ostiguy, Rev. R., B.A., Ph.D.,
S.T.L.

Saint-Denis, Rev. H., Ph.D.,
S.T.D. Rome, B.Pæd. Tor.,
B.A.

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Bellemare, Rev. R., B.A., Ph.L.,
S.T.L.

Croteau, Rev. J., M.A., Ph.L.,
S.T.L.

Ducharme, L., B.A., Ph.L., S.T.L.

Forcier, Rev. G., M.A.

Gagnon, Rev. G., B.A., Ph.L.

Gratton, Rev. H., M.A., Ph.L.,
S.T.L.

Joly, J.-M., M.A.

Patry, Rev. M., S.T.L., Ph.D.

Pépin, J. L., B.A., L.Ph.

Shevenell, Rev. R., M.A., Ph.D.

Stroick, Rev. C., S.T.D. Bonn.

Taché, Rev. A., L.Th. Rome, B.A.,
L.Ph.

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Ph.L.

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., S.T.D.
Rome

Prof. and Sec. of Fac.

Allie, Rev. J. L., Ph.L., S.T.D.,
B.A.

Associate Professors

Champagne, Rev. J., Miss.D.
Rome, M.A., Ph.L., S.T.B.

Dozois, Rev. L., Ph.L., S.T.D.

Gilbert, Rev. M., Ph.L., S.T.D.
Rome, B.A.

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., L.Ph., L.Th.

Laurin, Rev. R., Ph.L., S.T.L.
Rome, M.A., L.Pol.Sc.

Lesage, Rev. G., M.A., Ph.D.,
J.C.D., D.S.Sc., D.Litt., S.T.L.

Stroick, Rev. C., S.T.D. Bonn.

Vézina, Rev. L. P., Ph.L., S.T.L.,
I.C.L.

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. M.,
M.A. Kaunas.

High School (within the Univ.)

Lemieux, Rev. R., M.A., L.Soc.Sc.
Principal.

**East and South European
Institute**

Domaradzki, T. F., Ph.M. War-
saw, D.Litt. Rome, Dipl.Pol.
Sc. Warsaw Prof. and Dir.

Normal School (within the Univ.)

Lamoureux, Rev. R., B.A., S.T.B.,
Ph.D. Principal.

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AFFILIATED INSTITUTIONS

NOTRE-DAME COLLEGE, 172 Elgin St., Ottawa, Ont. (Telephone: Ottawa 4-2876.) Directress—Rev. Sr. St. Rita. Women only.

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.

THE SEMINARY, 73 Rideau Terrace, Ottawa, Ont. (Telephone: Ottawa 6-1971.) Superior—Mgr. A. Chaloux. Men only.

ST. JOHN'S COLLEGE, 8406 91st St., Edmonton, Alta. Director—Rev. F. Thibault. Men only.

NOTRE-DAME COLLEGE, Wilcox, Sask. (*Telephone: Wilcox 24.*) Director—Rev. Athol Murray. Co-educational.

ST. THOMAS COLLEGE, Battleford, Sask. (Telephones: North Battleford 2212; Battleford 23.) Director—Rev. G. Kuckartz. Men only.

SACRED HEART SCHOLASTICATE, Lebreton, Sask. (Telephones: Fort Qu'Appelle 23, 47.) Director—Rev. G. Nogues. Men only.

ST. JEROME'S COLLEGE, Kitchener, Ont. (Telephone : Kitchener 2-3154.)
Director—Rev. J. L. Arnold. Men only.

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 : 150,000 vols. The Parliament Library to which the students have access has 300,000 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. A. Guay ; *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 ; *East and South European Institute*—Dr. T. F. Domaradzki.

GEOGRAPHICAL LOCATION. Theol. and Philos. : 249 Main St. ; Canon Law : 453 Lamier Ave. East ; Arts and Science : 112 Waller St. ; Med. : 700 King Edward St. ; Applied Science : 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*—B.Th. (2 yrs.), L.Th. (4 yrs.), D.Th. (5 yrs.), D.Miss. (3 yrs.). *Canon Law*—B.J.C. (1 yr.), L.J.C. (2 yrs.), D.J.C. (3 yrs.). *Philosophy*—B.Ph. and B.A. (2 yrs.), L.Ph. and M.A. (3 yrs.), D.Ph. (4 yrs.). *Law*—LL.D. (honorary only). *Medicine*—M.D. (6 yrs.). *Arts*—B.A. (4 yrs. 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.Sc.S.P. (5 yrs.), L.Pol.Sc., D.Pol.Sc. *Nursing*—B.N.Sc. (5 yrs.). *Library Science*—B.L.Sc., M.L.Sc. *Psychology*—B.A. (4 yrs.), B.Ed. (4 yrs.), B.Psych. (5 yrs.). *Physical Education*—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.

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.

RESIDENCE. Accom. for 450 in main building; University Seminary (249 Main St.), 140; 700 King Edward St., 100.

MILITARY TRAINING. Univ. Contingents prepare students for commissions in Canadian Army (Reserve), Canadian Navy (Reserve) and Canadian Air Force (Reserve).

PUBLICATIONS. *Revue de l'Université d'Ottawa* (quarterly, \$3); *Calendars* of the different Faculties, Schools and Institutes; *Publications sériées* (40 vols. already published); University of Ottawa Normal School *Yearbook*; *Examination Papers* in Arts (50 cts. for each set); *The Fulcrum* and *La Rotonde* by students.

THE YEAR 1950-51

BENEFACTIONS. Prov. Govt. of Ontario, \$150,000; others, \$11,000.

OTHER DEVELOPMENTS. Land and bldgs. bought according to expansion plan, \$80,560.

EXTRA-MURAL WORK. 774 students.

HONORARY DEGREES. LL.D.—A. de Gasperi, Prime Minister of Italy; H.E. Mgr. M. Lajeunesse, Le Pas, Manit.; Mgr. P. Nicholson, Pres., St. F.X. Univ.; H. Saint-Jacques, Ott. D.Sc.—J. Retty, Montr.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1034	2264
Women	917	351
Total	1951	2615

Included in the above are 273 postgraduate students and 305 new admissions.

DEGREES. B.A., 243; B.A. (Ed.), 2; B.A. (Fr.-Lat.), 3; M.A., 22; Ph.D., 12; B.J.C., 2; L.J.C., 3; B.Com., 22; B.Ed., 5; B.L.Sc., 5; M.D., 45; B.Ph., 50; L.Ph., 22; M.Ph., 7; D.Pol.Sc., 1; B.Sc., 17; S.T.B., 36; S.T.L., 25.

DIPLOMAS AND CERTIFICATES. Appl. Sci., 9; Music, 2; Nursing (Pub. Health), 10; Pol. Sci., 3.

QUEEN'S UNIVERSITY*

Founded 1841

Postal Address : Kingston, Ont.

Telephone (General information) : Kingston, Ont., 3733.

CHANCELLOR—The Hon. C. A. DUNNING, LL.D. Montr., McG., Qu. and Sask.

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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.

REGISTRAR—JEAN I. ROYCE, B.A.

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.

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TREASURER—M. C. TILLOTSON, M.B.E., M.B.A. Harv., B.Com.

TEACHING STAFF

<i>Accounting</i> , v. <i>infra</i> , Commerce	Curran, H. W., B.S. Hobart Coll., M.A., Ph.D. Mich.
<i>Art</i>	Assoc. Prof.
Biéler, A.	Prof. Good, H. M., B.A., Ph.D. Tor.
	Asst. Prof.
<i>Bacteriology</i> , v. <i>infra</i> , Medicine	9 Tutors.
<i>Biochemistry</i> , v. <i>infra</i> , Medicine	<i>Chemistry</i> , v. also Engin.
<i>Biology</i>	Professors
Earl, R. O., S.M., Ph.D. Chic., B.A.	McRae, J. A., Ph.D. Manc., M.A., F.R.I.C., F.R.S.C.
John Roberts Allan Prof.	Frost, G. B., B.A. Tor., Ph.D. Calif.
Krotkov, G., B.S.A. Prague, M.A., Ph.D. Tor., F.R.S.C. Prof.	Munro, L. A., M.A. Dal., Ph.D. McG., F.R.S.C., F.C.I.C.
West, A. S., B.Sc. Mass. State, Ph.D. Yale (Zoology) Prof.	Associate Professors
	Dorrance, R. L., M.A. Tor.

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Ph.D. McG. and Camb.
Moir, R. Y., Ph.D. McG., M.A.
Asst. Prof.
2 Fellows, 14 Tutors.

Classics

Tracy, H. L., B.A. Tor., Ph.D.
Chic. Prof.
Smethurst, S. E., M.A. Camb. Prof.
Macdonnell, Mary L., M.A.
Asst. Prof.
2 Tutors.

Commerce and Business Administration

Smails, R. G. H., B.Sc. (Econ.)
Lond. (Commerce) Dir.
Knox, F. A., B.A., F.R.S.C. (Economics)
Prof.
Curtis, C. A., B.A. Tor., Ph.D.
Chic., F.R.S.C. (Economics)
Sir John A. Macdonald Prof.
McDougall, J. L., M.A. Tor. (Commerce)
Prof.
Macpherson, L. G., B.A. Brandon
(Commerce, v. also Accounting)
Assoc. Prof.
Urquhart, M. C., B.A. Alta. (Economics)
Assoc. Prof.
Smyth, J. E., M.Com. Tor. (Commerce)
Assoc. Prof.
Leonard, W. G. (Commerce)
Dir., Professional Courses.
Hand, R. J., B.Com. Manlt.,
M.B.A. Chic. (Marketing)
Asst. Prof.
1 Tutor.

Drama

Angus, W., A.M., Ph.D. Corn.
Assoc. Prof.
1 Asst.

Economics, v. Polit. and Econ. Sc.

Engineering, v. also Mining E.
Professors

Ellis, D. S., D.S.O., V.D., M.C.E.
Corn., B.Sc., M.A. (Civil E.)
Prof. and Dean of Fac. of
App. Sc.

Conn, H. G., O.B.E., M.S. Mich.,
B.Sc. (Mech. E.).
Campbell, J. S., M.Sc. (Mech. E.).
Jemmett, D. M., D.C.M., M.A.,
B.Sc. (Elect. E.).
Jackson, A., B.Sc. (Drafting).
Plewes, A. C., Ph.D. McG., M.Sc.,
F.C.I.C. (Chem. E.).
Stewart, H. H., M.S. Mich., B.Sc.
(Elect. E.).
Lash, S. D., M.Sc. Lond., Ph.D.
Birm., D.I.C. (Civil E.).
Pollock, H. S., M.Sc. (Elect. E.).

Associate Professors

Brooks, J. W., B.Sc. (Civil E.).
Styles, H. J., M.S. Mich., B.Sc.
(Drafting).
Lee, J. D., M.S. Iowa, B.Sc. (Civil
E.).
Gilbert, W. D., S.M. M.I.T., B.Sc.
(Mech. E.).
Rice, W. B., B.Sc. Sir G. Wms.,
B.Eng. McG. (Mech. E.).
Martin, O., D.Eng. Danzig (Civil
E.).

Assistant Professors

Kennedy, R. J., M.S. Iowa State,
B.Sc. (Civil E.).
Dauphin, E. L., M.S. Ill., B.Sc.
(Civil E.).
Butler, R. M., B.Sc., Ph.D. Lond.
(Chem. E.).

Lecturers

Edwards, H. M., B.Sc. (Civil E.).
Doherty, R. A., B.Sc. (Electr. E.).
35 Demrs. and Tutors.

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 Professor

Walker, E. A., M.A. Camb.

Assistant Professors

Edinburgh, A., M.C., M.A.
Camb.

Whalley, A. G. C., M.A. Oxon. and
Bishop's, Ph.D. Lond.

Cole, D., M.A. Br. Col. Instr.
6 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.
Asst. Prof.

Ogier, J., L. ès L. Poitiers Lectr.

McConnell, Mme Jeanne M., B.S.,
C.A.P. 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.
Lectr.

11 Tutors.

German

Laird, Hilda C., Ph.D. Corn.,
B.L.S. Pratt, B.A. Prof.

Eichner, H., B.A., Ph.D. Lond.
Asst. Prof.

Weil, H. H., M.A. Camb. Lectr.
2 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.

Smith, Rev. W. E. L., M.C., M.A.
Tor., Ph.D. Edin.

Gibson, F. W., M.A. Assoc. Prof.
2 Fellows, 3 Tutors.

Italian, v. Spanish and Italian

Mathematics

Jeffery, R. L., B.A., D.Sc. Acad.,
M.A., Ph.D. Corn., F.R.S.C.

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., Ph.D.
Tor. Asst. Prof.

7 Tutors.

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. Prof.

Algonia Ore Properties
Prof.

1 Asst.

Music

George, G., Mus.Doc. Tor.
Assoc. Prof.

McDowell, J. L., B.A. Tor.
Sessional Lectr.

Nursing

Weir, Jenny, B.Sc. Alta., M.A.
Col. (Pub. Health) Director.

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.
5 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.
Tindall, F., A.B. Syracuse Asst. Prof.
Lenard, A. L., B.A., B.P.H.E. Lectr.
Leggett, Dorothy, B.S. McG., M.Sc. Wis. Instr.

*Physics***Professors**

Gray, J. A., O.B.E., D.Sc. Manc., F.R.S., F.R.S.C. Chown Sci. Res. Prof.
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.

Assistant Professors

Roberts, D. T., B.Sc. Brist., Ph.D. Birm.
Martin, W. M., Ph.D. McG., B.Sc.
Trainor, L. E. H., M.A. Sask., Ph.D. Minn.
10 Tutors.

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.B. Sask., B.C.L. Oxon., LL.D., F.R.S.C.

Hardy Prof.

Cameron, J. C., M.Com. Head, Industrial Relations Section,

McDougall, J. L., M.A. Tor. Prof. Associate Professors

Macpherson, L. G., B.A. Brandon. Crawford, K. G., M.A. W. Ont.

Hd., Inst. of Local Govt. and Assoc. Prof.

Curtis, C. H., M.A. (Industrial Relations).

Urquhart, M. C., B.A. Alta.

Hodgerts, J. E., M.A. Tor., Ph.D. Chic.

Slater, D. W., B.Com. Manit., M.A. Asst. Prof.

Meisel, J., M.A. Tor. Lectr.
12 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.

Gruber, H. E., B.A. Brooklyn, Ph.D. Prin. Asst. Prof.

5 Pt.-time Instrs., 7 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.
 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.
 Curtis, J. E., M.D., C.M.
 Clin. Tutor.

Anatomy

Matheson, D. C., M.B. Prof.
 Tomasch, J., M.D. Vienna
 Asst. 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.

Biochemistry

Beveridge, J. M. R., B.Sc. Acad.,
 Ph.D. Tor., M.D. W. Ont.
 Craine Prof.
 1 Asst.

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. 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.

Assistant Professors

Hopkins, B. H., M.B. Tor.
 White, D. N., M.A., M.B., B.Chir.
 Camb., F.R.C.P.Can.
 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., F.R.C.S.Can. Prof.
McLeod, P. A., B.A., M.D., C.M.,
F.R.C.O.G., F.R.C.S.Can.
Assoc. Prof.
Mylks, G. W., B.A., M.D., C.M.,
F.A.C.S. Asst. Prof.
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, 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.

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., F.R.C.S.Can.
Assoc. Prof.
Johnston, E. E., M.D., C.M.,
D.M.R. Clin. Asst.
1 Demr.

Surgery

Bingham, D. L. C., M.B., Ch.B.
Edin., F.R.C.S.Ed., F.R.C.S.
Can., F.A.C.S. Prof.
Associate Professors
Houston, S. W., M.D., C.M.,
F.R.C.S.Ed., F.R.C.S.Can.
Boucher, D. W., M.D., C.M.,
F.R.C.S.Ed., F.R.C.S.Can.
Lecturers
Koster, B. M., M.D., C.M. McG.
Broom, J. C. W., D.D.S. Tor.
(Dental S.).
Tilley, A. R., O.B.E., M.D. Tor.
(Plastic Surgery).
Clinical Assistants
Lindsay, G. C., M.D., C.M.
Tweddell, T. N., M.D., C.M.,
F.A.C.S.

Warner, H. M., B.Sc., M.D., C.M.	1 Teaching Fellow.
McG., F.R.C.S.Can.	
Clarke, K. S., M.D., C.M., F.R.C.S.	<i>Urology</i>
Ed.	Berry, N. E., M.D., C.M. Prof.
Melvin, W. J. S., M.D., C.M., F.R.S.C. (Orthopæd. Surg.).	White, E. P., M.D., C.M., F.R.C.S. Lectr.
	Edin.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Extension, H. W. Curran, B.S. Hobart Coll., M.A., Ph.D.
 Mich. Dir. of Summer Sch., H. L. Tracy, B.A. Tor., Ph.D. Chic. Asst.
 Registrar, K. Jean Richardson, B.A. Univ. Chaplain and Adviser to Veterans,
 Rev. A. M. Laverty, B.A. Tor., B.D. Emmanuel. Warden, Students' Memorial
 Union, J. E. Wright, M.B.E. Chief Proctor, H. S. Pollock, M.Sc. Medical
 Officer, W. A. Young, B.A., M.D., C.M.

AFFILIATED COLLEGE

QUEEN'S THEOLOGICAL COLLEGE, Kingston, Ontario. (*Telephone: Kings-*
ton, 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. **HOSPITALS**. available
 for clinics, 2 general, 1 for insane. Easy access to important locomotive shops,
 dry docks, canal locks, water-power stations, mines, metallurgical works.
 Exceptional natural facilities for Geol. study.

FACULTIES AND DEANS. See p. 797.

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, 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 George Christian Hoffman Fellowships*, (i) for pathol. res., (ii) for further study in surg., are awarded for study in some instn. or Univ. in Europe or the U.S. approved by Senate. *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. Tyrell 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. *California Standard Co. Scholp.*, \$750, open to grads. of Queen's in Geol. Sc., Mining, Mech. Engin., Chem. Engin., Civil Engin., Geophys.

RESIDENCE AND UNION. Ban Righ Hall and its annexes have rooms for 275 women students and refectory accomm. for 325. Board and lodgings in 1951-52 cost from \$335 to \$405 for the full session. Every male student is a member of the Students' Memorial Union. The Union has the usual club facilities—a dining-hall, lounge and billiard rooms, reading rooms, committee rooms, and guest rooms for alumni and visitors to the Univ. The Union provided meals at from \$8 to \$10 a week during session 1949-50 for about 1000 students daily. Berry House and Collins House, operated by the Science Co-operative, Inc., are open to men students of all facs. Room and board per week for session 1951-52 was \$10. Berry House and Collins House

* Each of these awards may carry a grant sufficiently large to bring it to a total value of \$750.

accommodate 34 men students. Boucher House, a co-operative house for women students, accommodates 21.

MILITARY SERVICE. The University Naval Training Division, the Canadian Officers' Training Corps, and the R.C.A.F. Reserve University Flight offer courses of training which extend over the greater part of a student's University Course, and provide up to 20 weeks' summer employment at \$162 per month with food, clothing and accommodation. The object of the training policy is to qualify selected students for commissions on graduation.

STUDENT HEALTH SERVICE. Queen's Univ. administers a Health Insurance Fund by arrangement with the London Life Insurance Co. The service covers medical and hospital care, including surgery. All first and final yr. students are required to have X-ray examinations of the chest each yr.

EMPLOYMENT SERVICE. The Employment Bureau assists graduates and undergraduates in all facts, 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. (Director: H. L. Tracy, B.A., Ph.D.) The final written exams. are the regular Univ. exams. Extension tutorial classes supplementing the work by correspondence are conducted by members of the Univ. staff and others in various centres. Other activities organized or assisted by the Dept. are: a series of public lectures at the Univ.; a concert series; film service in co-operation with the National Film Board of Canada; short courses and conferences which vary in nature from vocational to cultural; individual lectures by members of staff; material provided for study groups and drama groups; an annual series of vocational and special interest talks given to inmates of Collins Bay and Kingston Penitentiaries; evening non-credit courses in Art, Sculpture, Conversational French and Salesmanship.

Institut d'Études Anglaises is held each summer for a period of six weeks and is intended particularly for French-speaking Canadians who wish to learn English.

The School of the Fine Arts, including instruction in art, ballet, drama, speech arts and music, is held each summer for a six weeks' period.

Banking Courses leading to diplomas of Associate or Fellow of the Canadian Banking Association. Tuition by correspondence to members of Canadian Banks.

By agreement with the Ontario Institute of Chartered Accountants, Toronto, the tuition for their course, leading to the Chartered Accountant's certificate, is given by the University.

PUBLICATIONS. *Calendars* (by facs.); *Queen's Quarterly* (\$3 per yr.); *Queen's Journal*; *Queen's Review* (General Alumni Association—\$3 per yr.); *Queen's University at Kingston. The First Century*, by D. D. Calvin, 1941.

THE YEAR 1950-51

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.

DEATH. Prof. R. G. Trotter (Hist.).

RETIREMENTS. Principal R. C. Wallace; Prof. J. K. Robertson (Phys.).

RESIGNATIONS. Prof. J. D. Hamilton (Pathol.); Prof. J. V. Hughes (Phys.); Prof. M. W. M. Sloane (Anat.); Prof. R. A. Low (Civil Eng.); Prof. L. Ruth Bowyer (Psychol.).

HONORARY DEGREES. LL.D.—F. M. Connell, Tor.; Dr. A. R. Lord, Vancouver; Hon. J. J. McCann, Minister of National Revenue, Ottawa; Sir James Dunn, Pres., Algoma Steel Corporation, Montr., Que.; J. B. Stirling, Pres., E. G. M. Cape & Co., Montr., Que.; W. P. Ferguson, Tor.; Mrs. R. S. McLaughlin, Oshawa; Mrs. J. A. Richardson, Winnipeg; Prof. J. K. Robertson, retiring Prof. of Physics. D.Sc.—Rev. A. I. Burnett, Ottawa; Rev. J. A. Lytle, North Bay; Rev. G. Telford, Oshawa.

STUDENTS.

	<i>Part-Time (Extra-Mural and Summer School)</i>	<i>Full-Time</i>
Men	662	1853
Women	626	462
Total	1288	2315

Included in the above are 97 postgraduate students and 610 first-year admissions.

DEGREES. B.Sc. (Hons.), 29; B.Sc., 187; M.Sc., 10; B.A. (Hons.), 49; B.A. (Pass), 140; M.A., 17; B.Com., 39; M.Com., 1; M.D., C.M., 49; B.N.Sc., 7; B.P.H.E., 9; B.D., 3.

ROYAL MILITARY COLLEGE OF CANADA*

Founded 1876

Postal Address : Kingston, Ont.

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.

Naldrett, S. N., M.Sc. Alta., Ph.D.
McG.

Hodgins, J. W., B.A.Sc., Ph.D.
Tor.

Diaper, D. G. M., M.A., D.Phil.,
B.Sc. Oxon. Asst. Prof.

Jones, R. A., M.Sc. W. Ont.,
Ph.D. McG. Lectr.

Instructors

McKnight, T. S., B.A., M.Sc. Qu.

Collins, E., M.Sc. Manit.

Penland, R., B.A. Br. Col.

Civil Engineering

Dolphin, J. W., B.A.Sc. Br. Col.,
M.S.(C.E.) Minn. Prof.

Burgoin, Maj. J., B.Sc. Qu.

Assoc. Prof.

Siwicky, W. O., B.Sc. Manit. Instr.

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. Asst. Prof.

Croft, Capt. A. M., M.Sc. Dal.

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.

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.

Wise, S. F., B.A., B.L.S. Tor.

Instr.

Cappadocia, E., M.A. Tor. Instr.

Mathematics

Lowe, P., M.A. Tor., Ph.D. Qu.

Prof.

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

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. Lectr.

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.
Lectr.

Military Studies

Associate Professors

Fawcett, Maj. W. G.

Snider, Sqn. Ldr. E. C.

Willson, Lt.-Cmdr. W. H., D.S.C.

Modern Languages

Chabot, C. A., B.A. Laval, M.A.
Qu. Prof.

Emond, H. P., B.A. Ott.
Assoc. Prof.

Lamontagne, Maj. J. L., B.A.,
L. ès L. Laval, Ph.D. Ott.
Assoc. Prof.

LeGrand, H. A., M.A., L.Phil.,
Ph.D. Montr. Asst. Prof.

Physics

Reekie, J., B.Sc., Ph.D. Edin.,
Ph.D. Camb. Prof.

Hutchison, T. S., B.Sc., Ph.D. St.
And. Assoc. Prof.

Hetherington, Maj. F. E., M.Sc.
Qu. Assoc. Prof.

Brown, J. B., B.A. Alta., D.Phil.
Oxon. Assoc. Prof.

Boyle, W. S., M.Sc., Ph.D. McG.
Asst. Prof.

Instructors

Lowther, L. H., B.Sc. Acad.

Hedgcock, F. T., B.Sc. Mani.,
M.Sc. W. Ont.

Filmer, A. J., M.Sc. Alta.

MacAskill, D. D., M.Sc. McM.

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.

Sawyer, J. A., B.Com., M.A. Tor.

Cadet Organization

Nation, Maj. P. T., B.Sc. Qu.

O/C Cadet Wing.

Slocombe, Lt. D. F. Sqn. Comd.

Bryan, Flight Lt. H. W. S.,
B.Com. Qu. Sqn. Comd.

Malone, Capt. J. E. Sqn. Comd.

Campbell, Lt. A. P. Sqn. Comd.

Wagstaff, Capt. T. C. 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. J. A. Maskell; 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 was founded in 1876 at Kingston, Ontario, for the purpose of training cadets in the moral, mental and physical requirements for entry into the commissioned ranks of the active and reserve sea, land and air forces. The moral training includes the development of the essential characteristics of discipline and leadership. Mental training includes

the fundamental military and scientific knowledge required in all branches of the Services and particularly of the Technical Corps, and to provide a balanced and liberal education in Arts and Sciences. In 1948 the Royal Military College and Royal Roads (established 1941), Victoria, B.C., were constituted as Canadian Services Colleges to provide a joint educational and training programme for the three armed forces of Canada. The course at the colleges is of four yrs.' duration, of which the first two yrs. may be taken at either the Royal Military College or Royal Roads. The third and fourth yrs. are taken at the Royal Military College only. Cadets who take the first two yrs. at Royal Roads proceed for the last two yrs. of the General or Engineering Course to the Royal Military College. The course is of two types: (a) General Arts; (b) Engineering. In the final year of the latter a cadet may specialize in one of Civil, Chemical, Mechanical or Electrical Engineering. Graduates may enter the Final Year of Engineering in any one of the four categories in certain Canadian universities. Specialization in Econ., Comm., Hist. and Engl. may be undertaken in the 3rd and 4th yrs. of the General Course.

The Arts, Science and Engineering faculties are fused in a single group through a joint faculty.

ADMISSION REQUIREMENTS. An applicant must be over 16 and under 20 years of age on the first day of Jan. of the year of admission; he must offer provincial Jr. Matricn. and provincial Sr. Matricn., or their acceptable equivalents, in English, Algebra, Geom., Trigonometry, Physics, Chem., and either Hist. or a foreign language; and he must pass qualifying examinations in Maths. and in either English or French. An applicant must be a Canadian citizen or other British subject normally resident in Canada.

MILITARY OBLIGATION. Each cadet must undertake to serve after graduation as a commissioned officer in one of the three armed services, in either the Active or Reserve Forces, whichever he may elect.

DIPLOMA. A cadet who successfully completes his four-yr. course is awarded a Diploma of Graduation. The first graduation under the new 1948 amalgamation will take place only in 1952.

FEES. Tuition, \$100 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. 30,000 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., R.U.S. (R.C.A.F.), and other qualifying courses.

PUBLICATIONS. *Admission Requirements* (annual); *The R.M.C. Review* (annual); *The Marker* (bi-weekly).

THE YEAR 1950-51

BUILDINGS. Electrical Engineering lab.

CADETS. Total, 500 (including Royal Roads).

SAINT DUNSTAN'S COLLEGE

Founded 1855

Postal Address : Charlottetown, P.E.I.

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.

Latin and Greek

MacLellan, Rev. T. M., D.D.
Montr., B.A. Prof.

Chemistry

Cass, Rev. F. L., B.Sc. McG.
Prof.

Mathematics

Roche, Rev. E. J., M.Sc. Notre-
Dame Prof.

Commerce

O'Connell, B.A. St. F.X., M.A.
Tor.

Philosophy

Sullivan, Rev. J. A., M.A. C.U.A.
Prof.
* Landrigan, Rev. L. W., B.A.
Assoc. Prof.

Economics

Murphy, J. C., Ph.D. C.U.A.
Prof.

Physics

MacDonald, Rev. G. A., M.Sc.
Dal. Prof.

English

O'Grady, B. A., M.A. Col. Prof.

Religion

Mackenzie, Rt. Rev. R. V., Litt.D.
Laval, LL.D. New Br. Prof.

French

Pineau, Rev. J. W., M.A. Laval
Prof.

Sociology

Murphy, J. C., Ph.D. C.U.A.
Prof.

History

MacGuigan, Rev. W. J., M.A.
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., F.A.C.S. Faculty Adviser on Athletics : Rev. W. J. MacGuigan, M.A. Directors of Discipline : Rev. G. A. MacDonald, M.Sc. ; Rev. L. W. Landrigan, B.A. ; Rev. E. J. Roche, M.Sc. Committee on Studies : Rt. Rev. R. V. Mackenzie, Litt.D., LL.D. ; Rev. J. A. Sullivan, M.A. ; Rev. R. G. Ellsworth, D.D., M.Sc. Director of Extension Work : Rev. W. O. Simpson, B.A. Librarian : Rev. A. F. MacDonald, B.L.S., B.A.

GENERAL INFORMATION

St. Dunstan's College, opened in 1855, was by Act of the Prince Edward Island Legislature granted a charter in 1917 as a University "with all and every the usual rights, powers, and privileges of such an institution." From 1892 to 1940, by virtue of affiliation with Laval University, the degrees of that institution were conferred on all those who completed the St. Dunstan's courses and successfully passed the examinations given by Laval Univ., but since 1940 the powers of its charter have been exercised in full and independent action. By virtue of its former privilege with Laval Univ., however, students from classical colleges in Quebec may attend St. Dunstan's for the last 2 yrs. of their baccalaureate course, write the Laval examn., and if successful, obtain the Laval degree. English is the official language used in the lectures at St. Dunstan's.

The college is the Diocesan College of the Roman Catholic Diocese of Charlottetown and is co-educational. There are three residences for the male students, each accommodating about eighty students.

The Canadian Officers' Training Corps has a contingent on the campus and offers to selected students an opportunity to qualify for commissions in the Canadian Army. The University Naval Training Division also has a branch of its programme on the campus through which eligible college students may qualify for commissions in the Royal Canadian Navy (Reserve).

The principal athletic activities on the campus are football, hockey, and basket-ball, and ample facilities are provided for these in football fields, an indoor skating rink and a large gymnasium.

The students' union co-ordinates all organized student activities on the campus, such as athletics, dramatics, debating, the publishing of the students' magazine, etc.

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 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1	171
Women	2	24
Total	3	195

DEGREES. B.A., 32; B.Sc., 13.

UNIVERSITY OF ST. FRANCIS XAVIER*

Founded 1853

Postal Address : Antigonish, N.S.

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.

REGISTRAR—H. L. LENT, M.A. Col.

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

MacEachen, A. J., M.A. Tor.

Prof.

Associate Professors

MacCormack, Rev. D., M.A., D.D.

Laval.

Boyle, Mrs. D., Ph.D. C.U.A.

Judek, S., Ph.D. Edin.

Miffen, Rev. P. S., M.A. C.U.A.

Gallant, F., B.Com. Qu.

Education

Timmons, H. P., M.A. C.U.A.

Assoc. Prof.

Engineering

Fogarty, Rev. W. P., B.Sc. McG.

Prof.

Roy, A., B.Sc.

Assoc. Prof.

English

Bannon, Rev. R. V., M.A. Prof.

Associate Professors

Kane, Rev. G. L., M.A. Harv.

Edwards, Rev. W. X., B.A.

MacSween, Rev. R. J., B.A.

Dooley, D. J., M.A. Tor.

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

French

MacLean, C., D. de l'U. Paris
 Prof.
 LeBlanc, A. J., M.A. Laval
 Assoc. Prof.

Geology

MacNeil, D. J., Ph.D. 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.
 St. Veronica, Sister, M.A. C.U.A.
 Prof.
 Adamkiewicz, G., LL.D. Graz
 Assoc. Prof.

Mathematics

McKenna, Rev. L. G., M.A. Prof.
 Ginivan, Rev. F. J., B.Sc.
 Assoc. Prof.

Philosophy

MacDonald, Rev. C. R., 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.Paed. 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. Mr. Sr. 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 Pre-legal* courses: the same credits are accepted. *Science Course*: credits are required in: Engl.; Hist.; a modern lang.; Algebra; Geom.; Phys.; Chem.; one of: Economics, another history, Trigonom., another lang., Biol. *Commerce or Engineering Courses*: either an Arts or Science matricn. will suffice. *Acceptable Certificates*: The following certificates will be accepted, under certain conditions, as offering credits for admission: (a) Grade XI Certificates of the Common Examining Board of the Maritime Provinces and Newfoundland. (b) New Brunswick Matriculation Certificates and the Second Year Diploma of Prince of Wales College, Charlottetown. (c) Ontario Grade XII (Junior matriculation) certifs. (d) Quebec High School leaving or Junior Matriculation certifs. (e) Equivalent certifs. of the Depts. of Educn. of other provinces. (f) Matricn. certifs. issued by recognized colls. (g) High school graduation certifs. See also Appendix I.

ADMISSION TO PARTIAL OR SPECIAL COURSES. In particular cases students who are not candidates for degrees may be permitted by the Committee on Admissions to enrol in any course from which, in the judgment of the Committee, they will profit.

GENERAL FEES. *First Semester*: Board, \$160; Tuition, \$80; Room Rent, \$48; Laundry, \$16; Library, \$10; General Fee, \$23; Caution Money, \$10; Medical and Surgical Attendance, \$8; Hospitalization Fee, \$7; Total, \$362; Total without private room charge, \$314. *Second Semester*: Board, \$160; Tuition, \$80; Room Rent, \$48.00; 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 yts.).

SUMMER COURSES. St. Francis Xavier Summer School, Vacation School in Social Action. Various short courses sponsored by the Extension Dept. of the Univ.

EXTENSION DEPARTMENT. This Dept. was set up in 1928 and sponsors a programme of adult education known as the Antigonish Movement. It is

separately staffed and educates by means of study clubs, films, radio programmes and by correspondence. It has vastly improved the economic state of fishermen, farmers and industrial workers in the Canadian Maritime Provinces by the establishment of Co-operatives and Credit Unions, and its work has been recognized by outstanding foundations which have given substantial assistance. It sponsors various courses on the campus and awards to students a diploma in Social Leadership, a course of studies evolved from the movement.

SCHOLARSHIPS, ETC. Knights of Columbus Scholps., 10 to 12 annually, \$200 each; ten Rev. R. McInnis scholps. of \$200 and under each; 4 French scholps. annually, \$200 each; also various other scholarships, bursaries and prizes.

LIBRARY. 55,000 vols.

LABORATORIES. Biol., Chem., Geol., Phys. Engin.

RESIDENCE. Cameron Hall, McKinnon Hall (the latter recently dedicated), 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 1950-51

ADULT EDUCATION WORK. Continuation of educational work among fishermen, utilizing annual grant of Federal Dept. of Fisheries; sponsoring of rural industrial conference and a vacation school for seminarians; also short course for farmers; continuation of the People's Sch., an adult study programme concerned with problems of labour, govt., finance, educn. and industry; enrolment, 700 adults in 7 communities—in connexion with this effort (partially carried on by radio) 16,000 study bulletins were sent out and 9000 lecture bulletins to assist the weekly classes; continuation of co-operative housing and land settlement under direction of Extension Dept.; A. S. MacIntyre (Veteran Extension worker) loaned to Newfoundland Govt. to organize Dept. of Co-operatives.

RETIREMENT. Mgr. M. M. Coady (Extension Dept.).

HONORARY DEGREES. LL.D.: W. F. Carroll, M.P., Baddeck, N.S., former member of the Supreme Court of N.S., now member of Canadian Federal House; Senator W. H. Dennis, Halifax, N.S., E. Canadian newspaper publisher; Rev. G. H. Levesque, O.P., Quebec, Dean of Soc. Scis., Laval Univ.; Mr. Justice K. Mackay, Toronto, member of Supreme Court of Ont.; W. J. McNally, M.D., C.M., D.Sc., Montreal, Canadian Otolaryngologist; Justice

J. E. Michaud, Fredericton, N.B., former Canadian Minister of Fisheries and Transport, now Chief Justice of the Queen's Bench, Supreme Court of N.B.

STUDENTS.

	<i>Part-Time</i>	<i>Full Time</i>
Men	33	764
Women	97	103
Total	130	867

Included in the above are 9 postgraduate students and 172 new admissions.

DEGREES AWARDED. B.A., 60; M.A., 3; B.Com., 18; B.Sc., 54; B.Sc. Nursing, 2; B.Sc. Home Ec., 6; B.Ed., 14; M.S.W., 2.

DIPLOMAS AND CERTIFICATES AWARDED. Engin., 33; Educn., 38; Social Leadership, 5.

SAINT JOSEPH'S UNIVERSITY

Founded 1864

Postal Address : New Brunswick.

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 and Latin*—Rev. LÉONARD GAUDET, LL.L. Montr. ;
English—Rev. R. ROSSIGNOL, B.A. ; *Mathematics*—Rev. A.
POITRAS, L.Sc. Laval ; *Commerce*—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

Professors

Rossignol, Rev. R., B.A.
Blanchard, Rev. T., B.A., S.Th.L.
Montr.

Business Mathematics

Taillon, 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.

Mazerolle, Rev. A., 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, Br. L., M.A., B.Ed. New
Br.

Cadieux, J., L.Sc.Com. Montr.

Young, A., L.Sc.Soc. Laval.

Economics

Young, A., L.Sc.Soc. Laval Prof.

English

Professors

Kingston, Rev. P., B.A.

Mazerolle, Rev. A., B.A.

Landry, Rev. Z., B.A.

Lauzon, Rev. R., B.A.
 Gauvin, Rev. R., B.A.
 Prévost, Rev. L., B.A.

French

Professors

Baudry, Rev. R., LL.L. Montr.
 Gaudet, Rev. L., LL.L. Montr.
 Blanchard, Rev. T., B.A., S.Th.L.
 Montr.

Desjardins, Rev. R., B.A.
 Picher, Rev. V., B.A.
 Ponton, Rev. G., B.A.
 Prévost, Rev. L., B.A.
 Morin, Br. J.-N., B.L., B.Ed. New
 Br.

Letendre, Br. P.-E.

Haché, A., B.A.

Caissie, P. E., B.A.

Geology

Blanchard, Rev. T., B.A., S.Th.L.
 Montr. 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.

Insurance

Savoie, C. F., M.A. Prof.

Mathematics

Professors

Poitrass, Rev. A., L.Sc. Laval.
 Rossignol, Rev. R., B.A.
 Cormier, Rev. J. B., L.Sc. Montr.
 Gaudet, Rev. D., B.A.
 Letendre, Rev. P. E.

Music

Professors

Brault, Rev. L., B.A. Montr.
 Gaudet, Rev. D., B.A.
 Cresteff, A., Mus.D. Budapest.

Philosophy

Professors

Kingston, Rev. P., B.A.
 Daigle, Rev. L.-M., B.A.
 Brault, Rev. L., B.A. Montr.

Physics

Professors

Poitrass, Rev. A., L.Sc. Laval.
 Rossignol, Rev. R., B.A.

Religion

Professors

Brault, Rev. L., B.A. Montr.
 Daigle, Rev. L.-M., B.A.
 Landry, Rev. Z., B.A.
 Blanchard, Rev. T., B.A., S.Th.L.
 Montr.

Statistics

Taillon, Br. L., M.A., B.Ed. New
 Br. 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, Félicien, 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.
 Dionne, A., B.A.
 Goguen, A., B.A.
 Maillet, Ulysse, B.A.
 Boudreau, C., B.A.
 Arsenault, G.
 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, Br. L., M.A., B.Ed. New Br.	Dir. of Studies.	Gauthier, A., D.Ped. (Supervision, Admin.).
Gaudet, Rev. L., LL.L. Montr.	Asst. Dir. of Studies.	Médéric, Rev. Br., B.A., B.Ed. (Lang.).
DeGrâce, J.-G., M.A. New Br.	Sec.	Michaud, M., M.A. Laval.
	Professors	Stanislas, Rev. Br., M.A., B.Ed. (Methodol.).
Albert, H.-A., M.A. (Hist., French).		Levasseur, R., L.Ped. Montr.
Baudry, Rev. R., LL.L. (French).		Cormier, Rev. J. B., L.Sc. Montr. (Sciences).
Sister Marie Jeanne d'Arc (Maths.).		DeGrâce, J.-G., M.A. New Br. (Methodol.).
		Robischaud, 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.

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. (*Telephonc* : Dorchester Exch. 7-4.) Superior—Rev. L.-M. Daigle.

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 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 : \$114. For board, residence and tuition : \$350 plus. Degrees : \$5 to \$20.

RESIDENCE. Accom. for 500 male students.

THE YEAR 1950-51

BENEFACTIONS. Provincial govt., \$20,000 ; Federal govt., \$30,000.

HONORARY DEGREES. *Ed.D.* : F. E. MacDiarmid, Chief Supt. of Educn., Fredericton, N.B. ; J.-E. DeGrâce, Montr. *Sc.D.* : Rev. H.-A. Vanier, M.A., Saint Joseph, N.B. *Ph.D.* : Mgr. G. Bernier, Grand Falls, N.B. *Sc.Com.D.* : C.-F. Savoie, M.A., Moncton, N.B. *M.A.* : Rev. J.-C. Pitre, Rustico, P.E.I. ; C. Daigle, St.-Louis de Kent, N.B. *M.Sc.Com.* : A. Landry, College Bridge, N.B. ; D. Duguay, Ste-Adélaïde de Pahos, P.Q.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	21	521
Women	240	..
Total	261	521

DEGREES. B.Ped., 10 ; B.A., 36 ; B.L., 4 ; B.Sc., 2 ; B.Sc.Com., 7.

UNIVERSITY OF SASKATCHEWAN*

Founded 1907

Postal Address : Saskatoon, Saskatchewan.

Telephone : Saskatoon 10114.

VISITOR—The Hon. J. M. UHRICH, M.D.

CHANCELLOR—F. HEDLEY AULD, M.B.E., LL.D.

CHAIRMAN OF GOVERNORS—ARTHUR MOXON, Q.C., B.A., F.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, M.A. Ind., M.P.A. Harv. ; *Education*—S. R. LAYCOCK, B.A. Tor., M.A., M.Ed. Alta., Ph.D. Lond. ; *Engineering*—R. A. SPENCER, M.C., M.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. ; *Medical Sciences*—J. W. MACLEOD, O.B.E., B.Sc., M.D. McG., F.R.C.P., F.A.C.P. ; *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

..... 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.

Associate Professors

Arnason, T. J., Ph.D. Wis., M.Sc.

Coupland, R. T., B.S.A. Mani.,
Ph.D. Neb.

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 Professor

Pepper, J. M., M.A. Br. Col., Ph.D.
McG.

Assistant Professors

Eager, R. L., B.E., M.Sc. Sask.,
Ph.D. McG.

Trevoy, L. W., M.A. Sask., Ph.D.
Chic.

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.

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.

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

Laycock, S. R., B.A. Tor., M.A.,
M.Ed. Alta., Ph.D. Lond.

Prof. and Dean.

Toombs, M. P., M.A., M.Ed. Prof.

Associate Professors

Clark, Stanley, B.A., M.Ed.

Deverell, A. F., B.A., B.Ed. Alta.,
Ed.D. Stanford.

Langley, G. J., Ph.D. Col., B.A.,
M.Ed.

Assistant Professor

Rennie, R. A., B.A., B.Ed.

*Engineering, v. infra**English*

Professors

King, C. A., Ph.D. Tor.

McCourt, E. A., B.A. Alta., M.A.
Oxon.

Tracy, C. A., B.A. Tor., Ph.D.
Yale.

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., M.A.

French

Cameron, Margaret, M.A. McG.
and Rad., D. de l'U. Paris
Prof.

Mallon, Rev. J. P., M.A. Tor.,
D. del'U. Laval Assoc. Prof.
ujila, 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., B.A. Assoc. Prof.
Murray, Jean E., M.A. Tor., Ph.D.
Chic., B.A. Asst. Prof.
Finn, Rev. R. W., M.A., L.M.S.
Tor. Asst. Prof.

Household Science

Hunt, Hope 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. Asst. Prof.

Cole, C. V., B.A. Mt. All., LL.B.
Bost., LL.M. Harv.

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.

Pharmacology

Hutcheon, D., B.Sc., M.D. Tor.,
D.Phil. Oxon. Assoc. Prof.

Pharmacy

MacAulay, W. C., M.Sc. Purdue,
B.S.P. Prof. and Dean.
Jeffrey, J. G., B.S.P., M.Sc.
Assoc. Prof.

Assistant Professors

Wood, J. A., M.S. Wash., B.S.P.
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.
Kennedy, Rev. L. A., M.A. Tor.
Asst. Prof.

Physical Education

Assistant Professors
Pyne, F. F., B.Ph.H.E. Tor.

Physics

Professors

- Currie, B. W., Ph.D. McG., M.Sc.,
F.R.S.C.
Mackay, C. A., M.A. Dal., Ph.D.
Prin.
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.

Physiology

- Jaques, L. B., M.A., Ph.D. Tor.
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.
Kennedy, Rev. L. A., M.A. Tor.
Asst. Prof.

Slavic Studies

- Andrusyshen, C. H., M.A. Manit.,
Ph.D. Tor. Assoc. Prof.

Agriculture*Animal Husbandry*

- 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.

Dairying

- 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.

Associate Professors

- Shebeski, L. H., B.S.A., M.Sc.
Manit.
Jenkins, B. C., M.Sc. Alta., Ph.D.
Calif.

Horticulture

- Patterson, C. F., B.S.A. Tor.,
Ph.D. Ill. Prof.

Mechanics, Agric.

- Hardy, E. A., M.S. Ames Prof.
Symes, O. L., B.A., B.E.
Asst. Prof.

Plant Ecology

- Coupland, R. T., B.S.A. Manit.,
Ph.D. Neb. Assoc. Prof.

Poultry Husbandry

- Rae, W. J., B.S.A. Manit., M.Sc.
Wis. Prof.
O'Neil, J. B., M.S.A. Br. Col.
Assoc. Prof.

Soils

- Mitchell, J., Ph.D. Wis., B.S.A.
Prof.

Associate Professors

- Hutcheon, W. L., B.S.A., M.Sc.
Rennie, D. A., Ph.D. Corn., B.S.A.

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 Director.
Stilborn, A. A., B.A., B.S.A.,
B.Ed. Asst. Prof.

Engineering

Agricultural E.

Hardy, E. A., M.S. Ames Prof.
Symes, O. L., B.A., B.E.
Asst. Prof.

Civil E.

Spencer, R. A., M.C., M.Sc. McG.
Prof. and Dean.
Douglas, A. H., B.E. Prof.
Forsberg, C. R., M.Sc. Assoc.
Prof.
Torchinsky, B. B., M.Sc. Alta.
Asst. Prof.

Electrical E.

Lovell, W. E., B.Sc. (E.E.) Manit.
Prof.
Michalenko, A., B.Sc. Manit.,
D.I.C. Lond. Assoc. Prof.
Ludwig, R. E., B.Sc. Manit.,
M.Sc. Purdue Asst. Prof.

General E.

Mann, O., M.S. Iowa, B.E.
Asst. Prof.

Geological E.

Mawdsley, J. B., B.Sc. McG.,
Ph.D., F.R.S.C. Prin. Prof.
Edmunds, F. H., M.Sc. Liv.,
F.G.S. Prof.
Byers, A. R., B.Sc., Ph.D. McG.
Assoc. Prof.
Kupsch, W. O., M.Sc., Ph.D.
Mich. Asst. Prof.

Mechanical E.

Fraser, I. M., B.Sc. McG. Prof.
Hutcheon, N. B., Ph.D. Lond.,
M.Sc. Prof.
Staples, W. R., M.S. Ill., B.E.
Assoc. Prof.
Mantle, J. B., B.E., M.S. Ill.
Assoc. Prof.
Maksymiuk, D., B.Sc. Manit.
Asst. Prof.
Wedgwood, J. A., B.E. Asst. Prof.

Extension

..... Prof. and Director.
Gordon, K. W., B.S.A. Manit.
Prof. and Asst. Director.
..... Assoc. Prof. and Asst.
Dir. in charge of Women's
Work.
Paul L. C., Ph.D. Minn., M.Sc.
Assoc. Prof.
Robinson, D. R., B.S.A.
Asst. Prof.
Pattillo, Margaret, B.Sc. Acad.
Asst. Prof.

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.

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.—*Art*, G. W. Snelgrove, M.A. Chic., Ph.D. Lond.
Biol., G. F. Ledingham, Ph.D. Wis., M.Sc. *Chem.*, The Dean ;

A. M. Kristjanson, Ph.D. McG., M.A. *Classics*, S. E. Stewart, M.A. Dal. *Econ.*, *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.

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. L. A. Kennedy, M.A. Tor., Asst. Prof. Adviser to Women, Mrs. Bernadine Bujila, M.A. Col., Ph.D. Mich., B.Ed.

AFFILIATED COLLEGES, ETC.

EMMANUEL COLLEGE, Saskatoon (*Telephone* : Saskatoon 23066), estab'd. 1879 for training Anglican clergy. Courses for Testamur, Lic. Th., B.D. Principal—Rev. R. S. Dean, B.D., M.Th.

ST. ANDREW'S COLLEGE, Saskatoon (*Telephone* : Saskatoon 23025), estab'd. 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. Trausch, 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.

AFFILIATED SOCIETIES. College of Physicians and Surgeons; Law Society; College of Dental Surgeons; Pharmaceutical Assn.; Assn. of Registered Nurses; Veterinary Assn.; Assn. of Architects; Inst. of Chartered Accountants; Assn. of Land Surveyors; Registered Music Teachers' Assn.; Council of Optometry; Assn. of Professional Engineers; Inst. of Agrologists.

GENERAL INFORMATION

Established by Act of the Provincial Legislature in 1907, the Univ. opened classes in Arts and Sciences in 1909. For early history and constitution, *see Yearbook* for 1929. The site includes 1340 acres devoted to Agric. Education and Research, and a campus of 300 acres with a half-mile river frontage. The land, buildings and equipment cost about \$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, Chiroprody, Chiropractors, Embalming, Music.

LIBRARY, 121,000 vols. **LABORATORIES**: Chem., Phys., Biol., Bact., Anat., Physiol., Engin., Geol., Field Husbandry, Agric. Engin., Animal Diseases, Dairy, Soils, Horticulture. Farm (830 a.). Agric. Experimental Fields (450 a.). Special provision for research in the various branches of Agriculture. **OBSERVATORY**.

FACULTIES. Arts and Science, Agric., Law, Engin., Pharm., Med. Sci., Educn., Household Sci., Nursing, Graduate Studies, Commerce. *See also* p. 821.

DEGREE COURSES. B.A., B.Comm., 3 yrs., Hons. 4 yrs., B.S.P. (Pharm.), B.S.A. (Agric.), B.E. (Engin.), B.H.Sc. (Household Sci.), B.Ed., 4 yrs.; LL.B., 3 yrs.; combined B.A. and B.Comm., 4 yrs.; combined B.A. and B.S.A., B.A. and LL.B., B.A. and B.E., 5 yrs.; B.S.N. (Nursing), 5 yrs.; B.Sc. (Med.), 5 yrs. This Univ. has the sole right to confer degrees (other than Theol.) in the Province.

HIGHER DEGREES. M.A., M.Sc., M.Ed.—examn. open to Bachelors of 1-yr. standing; Ph.D., minimum of 3 yrs. after B.A. (Hons.). Candidates must have taken some part of previous education at another Univ.

DIPLOMAS AND CERTIFICATES. A 1-yr. course in Arts, designed specially for Junior Colls., leads to the "Associate in Arts." A 2-yr. course in Agric. leads to the "Associate in Agric." A 1-yr. certif. course in Education for graduates in Arts and Science, Agric., Engin., Accounting or Household Sci. A 2-yr. course is given in the **MEDICAL SCHOOL** (pre-clinical, including Anat. and Physiol.). A course is given for Laboratory Technicians.

OTHER COURSES. Practical course for young farmers (1 or 2 yrs.), at University Farm School. Summer School in co-operation with Provincial Department of Education. Short Courses on Agricultural and allied subjects. Short courses for professional groups.

ADMISSION REQUIREMENTS. Agriculture, Arts and Science, Commerce, Education, Engineering, Household Science, Nursing, Pharmacy—Saskatchewan Grade XII (Senior Matriculation) or its equivalent in certain required subjects. Pharmacy also requires one-year apprenticeship. Law—one year pre-law in Arts and Science. Medicine—at least two years' pre-medical course in Arts and Science. *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; Household Sci., \$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 maintenance; 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. 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 1950-51

SUBSTANTIAL BENEFACTIONS. Anon. Scholps., \$1000; Canadian Industries Ltd., \$1000; Consolidated Mining and Smelting Co. of Canada, \$1200; Hudson Bay Mining and Smelting Co., \$1500; Imperial Oil Ltd., \$1000; Leonard Foundation, \$1825; Mrs. Frieda Maclean, \$2000; Middlemiss Estate, \$2000; Saskatchewan Teachers' Fed., \$1500; Imperial Order Daughters of the Empire, \$2900; Province of Sask. Grad. Res. Fellowships, \$3000; Canadian Cancer Society, \$2000; Canadian Seed Growers' Association (Sask. Branch), \$2000; Dominion Dept. of Health, \$7533; Rockefeller Foundation, \$10,000; Sask. Wheat Pool, \$7500; Saskatoon Doctors, \$1840; P. D. Stewart bequest, \$181,669; National Res. Council, \$21,100; Saskatchewan Res. Council, \$3000.

RETIREMENTS. D. A. Cameron (Conservatory of Music, Regina Coll.); M. J. Champlin (Field Husb.); F. A. Wagg (Econ. and Registrar, Regina Coll.); E. W. Griffiths (Phys. Educn. and Sec., Men's Athletic Bd.); A. R. Weir, Registrar.

RESIGNATIONS. J. M. Humphrys (Ceramic Engin.); H. G. Dion (Soils); A. Edrei (Maths.); E. Y. Spencer (Chem.); J. A. Weir (Animal Husb.); W. F. Neale (Phys. Educn.); N. Bjelajac (Art); Mrs. E. S. Glabais (Household Sci.); L. N. Greer (Acc.); L. D. Hayward (Chem. at Regina Coll); R. J. MacKay, Univ. Med. Officer.

DEATH. W. G. Sullivan (Emer. Prof. of Classics).

HONORARY DEGREES. LL.D.—J. A. Corry (Grad. of the Univ., Prof. of Pol. Sci., Queen's U.); J. Henderson (Artist, Fort Qu'Appelle, Sask.); H. W. Jamieson (Supt. of Training Services, Dept. of Veterans Affairs, Ottawa); Mrs. Violet McNaughton (Leader of Sask. Farm Women's Organizations); J. S. Thomson (Dean of Divinity, McGill U., formerly Pres., U. of Sask.).

STUDENTS :

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1391	2074
Women	2038	582
Total	3429	2656

Included in the above are 130 postgraduate students and 762 first-year admissions.

DEGREES. B.S.A., 70 ; B.A., 277 ; B.Comm., 52 ; B.Ed., 104 ; B.E., 121 ; B.H.Sc., 16 ; LL.B., 28 ; B.S.N., 12 ; B.S.P., 48 ; M.A., 21 ; M.Ed., 4 ; M.Sc., 32 ; LL.D., 5.

SIR GEORGE WILLIAMS COLLEGE *

Founded 1929 ; incorporated 1948

Postal Address : 1441 Drummond Street, Montreal 25, P.Q.

Telephone : MA 8331.

PRINCIPAL—KENNETH EVERETTE NORRIS, M.A., Ph.D. McG.

REGISTRAR—DOUGLASS BURNS CLARKE, M.A. McG., B.A.

BURSAR—HENRY GEORGE WORRELL, B.A.

DEAN—HENRY FOSS HALL, B.A. Eastern, L.R.E. Montreal Diocesan Theological Coll.

LIBRARIAN—MARGARET FLORENCE BROADHURST, B.A. Qu., B.L.S. McG.

TEACHING STAFF

Accountancy

Finnie, J. G., B.Sc.(Com.)
Asst. Prof.

Lecturers

Atkinson, J. B.
Bloom, A., B.Sc.(Com.).
Brimacombe, L.
Cohen, N., B.Com. McG.
Harrison, R. P., B.Com. McG.
Kerr, S. A., B.Com. McG.
Koch, S. W.
Rennie, J. H., B.Sc.(Com.).
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.

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.
Glegg, R., B.Sc., Ph.D. McG.
Kushnarov, H., B.Sc., M.Sc.
Manit.
Massiah, T., B.Sc.
Schaffelburg, B. S., M.Sc. Acad.
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.
Aust, E. G., B.Com. W. Ont.
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.
Ferguson, I. K., B.A. Tor.
Ferguson, J. R., B.Com., B.A.
Innes, W. D., B.Com.
Johnstone, D. W., B.Com.
MacLean, A.
Maurice, G. U., B.A. Ott., L.Sc.
Soc. Montr.

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

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. Manlt.,
 M.B.A. Chic.
 Sarrasin, J. J.
 Soden, J. A., B.C.L. McG.
 Tamaki, G. F., B.A. Br. Col.,
 LL.B., LL.M. Tor.
 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

Hutchison, W. L.	Lectr.
Rossaert, F. E.	Lectr.

Economics

Lerner, A., M.A. Tor.	Prof.
Lecturers	
Halford, C. R., B.Com.	
Scipio, S., B.A. Cracow, M.Com.	
Lwow.	
Wiseman, Mrs. S., B.A., M.A.	
McG.	

Education

Stabler, E., B.A. Qu., M.A. McG.,	
Ed.D. Harv.	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., B.A. Tor.,	
M.A. Bryn Mawr, 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.
 Fairbairn, B., B.A.
 Hankinson, W. C., M.A. Acad.
 Hogwood, G. E.
 Jones, Eleanor, B.A. McG.
 Kneeland, S. F., B.A. McG.
 MacLean, Mrs. L. E., B.A. Tor.,
 M.A. Smith.
 Manson, N., B.A.
 McGill, D., B.A. Tor.
 McCaughey, G. S., B.A. McG.
 Miller, Mrs. A., M.A. Tor.
 Murphy, J. A., B.A. Loyola, M.A.
 Montr.
 Rennie, D. L., B.Sc.
 Smith, Ruth, B.A. Qu., N.C.
 Stoeckel, R. W.
 Tobias, Rytza, B.A.
 Wrath, Mrs. B., B.A.

Fine Arts

Clarke, D. B., M.A. McG., B.A.	
Lecturers	Prof.
McCorkindale, J.	
Wheeler, O., B.A. Bishop's.	
Adams, K. E., B.Sc.	
Allen, Mrs. T. S.	
Holland, Miriam R.	
Sherman, Mrs. L., M.A. N.Y., B.A.	

French

Portier, J. M., M.A. McG.	Lectr.
Chodat, W. H.	Lectr.

Geography

Sinclair, M. H., B.Sc. McG.	Lectr.
Cureton, E. A., B.A. McG.	Lectr.

German

Flore, R. F.	Asst. Prof.
--------------	-------------

History

Rothney, G. O., B.A. Bishop's,	
M.A., Ph.D. Lond.	Prof.
McCullough, E. E., B.A. Qu.	
	Lectr.

Humanities

Thompson, C. W., M.A. Oxon.	
	Prof.
Gore, N. N., M.A. Prin.,	
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., B.Sc., B.Sc.(Com.).

Deathe, E. W., B.A. Dal.

Joyce, Mrs. C. H., B.A. Qu., M.A.
McG.Mamelak, J., M.Sc. McG., Ph.D.
Pittsburgh.

Margolick, F. H., S.B. 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.

Lectr.

*Philosophy*Fraser, W. R., B.A. Mt. All., M.A.
Dal., B.D. U.T.C.

Prof.

Schwisberg, Ethel E., B.A. Lectr.

*Physics*Raudorf, W. R., Ph.D. Vienna
Asst. Prof.

Lecturers

Dewdney, J. W., B.Sc. McM.

Petolas, J. P., B.Sc.

McClelland, W. R., B.Sc. McG.

Pimenoff, V. J., B.Eng. McG.

Stiles, R. D., B.Sc. N.S.T.C.

Turnbull, A. D., B.Sc. N.S.T.C.

*Political Science*Quinn, H. F., M.A. McG., B.A.
Assoc. Prof.

Lecturers

Fraser, R. A., B.A.

Corbett, D. C., M.A. Tor.

Dubsky, J. P., D.L. Masaryk.

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.

Sofin, Mrs. R., M.A. McG.

*Sociology*Potter, H. H., M.A. McG.
Asst. Prof.Cervinka, V., M.A. Vienna, Ph.D.
Brussels and Prague

Lectr.

Green, Florence, B.A. Tor. Lectr.

Spanish

Stegen, G. F., B.A.

Lectr.

Torres, M.

Lectr.

Textiles

Fitton, C. F.

Lectr.

Robinson, J. I.

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 1951 some 1332 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 : \$200 ; 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. 24,578 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 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2250	599
Women	1324	107
Total	3574	706

Included in the above are no postgraduate students and 643 new admissions.

DEGREES. B.A., 94; B.Sc., 83; B.Com., 78.

DIPLOMAS. Associate in Science, 0; Assoc. in Arts, 15; Assoc. in Sc., 17
Assoc. in Com., 12.

UNIVERSITY OF TORONTO *

Founded 1827

with which are federated

VICTORIA UNIVERSITY, TORONTO,
THE UNIVERSITY OF TRINITY COLLEGE, TORONTO,
ST. MICHAEL'S COLLEGE, TORONTO, and
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of Arts are indicated thus :

University College (C.).	Trinity College (T.).
Victoria College (V.).	St. Michael's College (M.).

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Anthropology

Assoc. Prof.

McIlwraith, T. F., M.A. Camb., Carpenter, E. S., Ph.D. Penn.

F.R.S.C. Hd. of Dept. and Prof.

Asst. Prof.

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

Emerson, J. N., M.A. Lectr.
1 Instr., 2 Assts.

Archæology, v. Art and Archæology

Architecture, v. *infra*

Art and Archæology

Brieger, P. H., Ph.D. Breslau
Hd. of Dept. and Prof.

Associate Professors

Comfort, C. F.

Brett, G., M.C., M.A. Oxon.

Graham, J. W., M.A. Acad.,
Ph.D. Johns H.

Assistant Professor

Vickers, G. S., B.A. McM., A.M.
Harv.

Special Lecturers

Baldwin, L. C. M., B.A.Sc.

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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. F., 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.

Acting Hd. of Dept.,
Assoc. Professor and
Acting 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

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Baglow, R. L., M.A. Camb.

Biology, v. *Zoology*

Botany

Jackson, H. S., B.A. Corn., Ph.D.
Wis., F.R.S.C. (Mycol.)

Hd. of Dept. and Prof.

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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.

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Lehmann, A. J. V., M.Sc. Alta.

Hamly, D. H., M.A., Ph.D.

Bannan, M. W., B.A., Ph.D.

Forward, Dorothy F., Ph.D. Tor.
and Camb., M.A.

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Harv.

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B.Sc.F., Ph.D.

Lecturers

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Ph.D. Chic.

Whitney, N. J., B.Sc. Alta., M.Sc.
W. Ont.

15 Demrs.

Chemistry, v. also Appl. Sci. and
Eng., Food Chem.

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Ph.D., F.R.S.C.

Hd. of Dept. and Prof.

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Iowa State Coll. Prof.

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Beamish, F. E., M.A. McM. Prof.

LeRoy, D. J., M.A., Ph.D.,
F.R.S.C. Prof.

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- Lorriman, F. R., B.E.M., M.A.,
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M.A., Ph.D.
McIntosh, R. L., M.B.E., B.A.,
M.Sc. Dal., Ph.D. McG.,
F.R.S.C.

Assistant Professors

- Rae, J. J., B.A. McM., M.A., Ph.D.,
F.C.I.C.
McBryde, W. A. E., Ph.D. Vir-
ginia, M.A.
McCasland, G. E., A.B. Cal., A.M.
Col., Ph.D. Cal. Tech.
Lister, M. W., M.A., D.Phil. Oxon.
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 (Clas-
sics) Assoc. Prof. (C.).

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- Wallace, W. P., B.A. Oxon., Ph.D.
Johns H., B.A. (Anc. Hist.).
Woodbury, L. E., B.A. Manit.,
A.M., Ph.D. Harv.

Lecturers (C.)

- Thomson, D. F. S., M.A. Oxon.
Heichelheim, F. M., Ph.D. Giessen.
Shepherd, R. M. H., B.A. Camb.
Norwood, Mrs. F. M. H., Ph.D.
Wis. M.A.
Bennett, H., Ph.D. Chic., B.A.
Chairman of Dept.
(Latin) Prof.
Robertson, H. G., Ph.D. Chic.,
B.A. (Greek) Prof. (V.).

- Woodside, M. St.A., B.A. Tor.,
M.A. Oxon. (Anc. Hist.)
Prof. (V.).

- Robson, D. O., M.A., Ph.D.
(Latin) Assoc. Prof. (V.).
Keyes, G. L., Ph.D. Prin., M.A.
Asst. Prof. (V.).
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B.A. Asst. Prof. (V.).
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Hd. of Dept. and Prof.
(T.).

- Adams, S. M., M.A. (Greek)
Prof. (T.).

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Assoc. Prof. (T.).

- Scrivin, J. W., M.A. Camb.
Asst. Prof.

- Cole, J. W., M.A. Oxon. Lectr. (T.).
Philip, J. A., D.Litt. Florence,
B.A. Lectr. (T.).

- O'Toole, Rev. W. B., M.A.
Hd. of Dept. 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.
McNeil, Rev. D. J. J., M.A.

*Dentistry, v. infra**East Asiatic Studies*

- Walmsley, L. C., B.A., D.Pæd.
Hd. of Dept. and Assoc.
Prof.

- Fernald, Helen E., A.B. Mt. Holy-
oke Asst. Prof.

- Shih, C. C., B.A. Peiping, B.D.
Hartford, M.A., Ph.D. Chic.
Asst. Prof.
- 1 Instr., 1 Asst.
- Economics*, v. Polit. Econ.
- Education*, v. *infra*, Ontario Coll.
of Education
- Embryology*, v. Zool.
- Engineering*, v. *infra*
- English*
- Woodhouse, A. S. P., A.M. Harv.,
D.Litt. Acad., B.A., F.R.S.C.
Hd. of Dept. and Prof.
(C.).
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Ph.D. Harv. Assoc. Prof. (C.).
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Ph.D. Assoc. Prof. (C.).
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Oxon. Assoc. Prof. (C.).
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Assoc. Prof. (C.).
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Ph.D. Harv. Asst. Prof.
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M.A., Ph.D.
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- Knowland, A. S., M.A. Oxon.
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Hd. of Dept. and Prof.
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Asst. Prof.
- Barker, A. E., Ph.D. Lond., M.A.
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- Wilson, M. T., M.A. Lectr. (T.).
- Shook, Rev. L. K., M.A. Tor. and
Harv., Ph.D. Harv.
Hd. of Dept., Prof. (M.).
- McCorkell, Very Rev. E. J., M.A.
C.U.A., LL.D. Ott., B.A.
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- McLuhan, H. M., M.A. Manit.
and Camb., Ph.D. Camb.
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- St. Francis, Sister M., M.A.
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- Mallon, Rev. H. V., M.A.
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- Geraldine, Sister M., M.A.
- Platt, Rev. W., M.A.
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(V.), 2 Readers (V.).
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- Food Chemistry*
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M.Sc., Ph.D. McG.
Spec. Lectr.
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 Hall, A. D., 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.).
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 A.M., Ph.D. Harv. Prof. (C.).
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 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.

Lecturers (C.)

Balthazard, Isabelle G., M.A.,
 O.A.
 MacDonald, Marguerite D., Dip.
 de l'U. Paris.
 Parsons, C. R., M.A. McG.
 Sanouillet, M., L. ès L., Dip. d'É.S.
 Paris.
 Trethewey, W. H., Ph.D. Chic.,
 M.A. Prof. (V.).
 Wood, J. S., B.A. Lond., M.A.
 Birm., D. de l'U. Paris
 Chairman of Dept. and
 Prof.
 Hare, F. A., M.A. Assoc. Prof. (V.).
 Rièse, Laure, Dip. d'É. Sup.
 Neuchâtel, M.A., Ph.D.
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 Laidlaw, G. N., B.A. Mt. All., M.A.
 Oxon., F.R.S.A. Assoc. Prof.
 Cook, Alta L., B.A. Asst. Prof.

de Montmollin, D. P., L. ès L.
 Neuchâtel Lectr. (V.).
 Rogers, W. S., M.A. Col., B.A.
 Actg. Hd. of the 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.
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 Asst. Prof. (T.).
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 Jackson, G. D., B.A. Manitt., M.A.
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 Ph.D. Johns H.; D. ès L.
 Montr., B.A.
 Hd. of Dept. and Prof.
 (M.).

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 Tor., F.R.S.C. Prof. (M.).
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 M.A. Assoc. Prof.
 Olga, Sister M., M.A. Assoc. Prof.

Lecturers

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 St.-Magdalen, Sister M., M.A.
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 M.A.
 Corinne, Sister M., Ph.D. Laval,
 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 Carto-
grapher, 4 Assts.

Geological Sciences

Langford, G. B., Ph.D. Corn.,
B.A.Sc., F.R.S.C. (Mining
Geol.) Hd. of Dept. and Prof.
MacLean, A., B.A. (Geol.) Prof.

Associate Professors

Fritz, Madeleine A., B.A. McG.,
M.A., Ph.D., F.R.S.C. (Palae-
ontol.).

Moorhouse, W. W., Ph.D. Col.,
M.A. (Geol.).

Meen, V. B., M.A., Ph.D. (Miner-
alogy).

Assistant Professors

Smith, F. G., M.Sc. Manitt., Ph.D.
Nuffield, E. W., B.A. Br. Col.,
Ph.D.

Beales, F. W., M.A. Camb.

Lecturers

Tovell, W. M., M.S. Cal. Tech.,
B.A.

Gorman, B. H., B.Sc. New Br.

Gross, W. H., B.Sc. Br. Col., M.A.,
Ph.D.

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.

Anderson, D. V., M.A., Ph.D.
Lectr.

German

Fairley, B., M.A., Litt.D. Leeds,
Ph.D. Jena, F.R.S.C.

Hd. of Dept. and Prof.
(C.).

Boeschstein, H., Ph.D. Rostock
Prof. (C.).

Lecturers (C.)

Sinden, Margaret J., B.A., Ph.D.

Milnes, H. N., Ph.D. Ohio State,
M.A.

Veit, P. F., M.A.

Braun, W., M.A.

Surerus, J. A., B.A.

Hd. of Dept. and Prof.
(V.).

Arnold, R. K., Ph.D. Prague

Assoc. Prof. (V.).

Field, G. W., M.A., Ph.D.

Asst. Prof. (V.).

Lewis, C., M.A. Oxon.

Hd. of Dept. and Prof.
(T.).

Joyce, D. A., B.A. McG., A.M.
Harv. Lectr.

1 Instr. (V.).

History

Professors

Martin, Chester, M.A. Oxon.,
LL.D. Manitt. and New Br.,
F.R.S.C.

Hd. of Dept. and Prof.

Flenley, R., M.A. Liv., B.Litt.
Oxon., F.R.S.C.

Underhill, F. H., M.A. Oxon., B.A.
Brown, G. W., M.A., Ph.D. Chic.,
B.A., F.R.S.C.

Wilkinson, B., M.A., Ph.D. Manc.

Creighton, D. G., M.A. Oxon.,
LL.D. New Br., B.A., F.R.S.C.

McInnis, E. W., M.A. Oxon., B.A.

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B.A.

Saunders, R. M., M.A. Clark, Ph.D.
Corn.

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Harv., B.A. Asst. Prof.

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Conacher, J. B., M.A. Qu., Ph.D.
Harv.

Paterson, G. C., M.A.

Powicke, M. R., M.A. Oxon.

Craig, G. M., Ph.D. Minn.
 Albright, Margaret, B.A.
 Bennett, G., M.A. Oxon.
 Nelson, H. I., M.A. Corn., B.A.
 Spencer, R. A., B.A. McG., D.Phil.
 Oxon., M.A.
 Moudry, V., D.Jur. Prague, M.A.
 Spec. Lectr.
 Turner, A. C., M.A. Glas., Oxon.,
 B.Litt. Oxon., Ph.D. Calif.
 Spec. Lectr.

4 Assts., 1 Reader.

History, Ancient, v. Classics

Household Science

Brodie, Jessie B., A.M., Ph.D. Col.,
 B.A. Hd. of Dept. and Prof.
 Park, Edna W., M.A. Assoc. Prof.
 Roberts, Jessie S., M.Sc. Manit.,
 B.A. Asst. Prof.

Lecturers

Coatsworth, Helen R., M.A.
 McKellar, Margaret R., M.A.
 Smith, Mrs. Enid H., M.S. Col.,
 B.A.
 Dix, D. Jean, B.H.Sc. Sask.
 Husband, Mrs. H., B.Sc. Wayne.
 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.
 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.
 Auld, F. C., Q.C., B.A. McG., M.A.,
 B.C.L. Oxon. Prof.
 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.
 Willis, J., B.A. Oxon. 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.

Special Lecturers

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.
 Rogers, W. P., B.A.
 13 Demrs., 4 Assocs.

Library Science, v. infra, Ontario
 Coll. of Education

Mathematics

Professors

Beatty, S., M.A., Ph.D., F.R.S.C.
 Hd. of Dept. and Dean
 Fac. Arts.
 Pounder, I. R., Ph.D. Chic., M.A.
 Webber, W. J., B.A. Camb.
 Coxeter, H. S. M., B.A., Ph.D.
 Camb., F.R.S., F.R.S.C.
 Sheppard, N. E., M.A., F.I.A.

Associate Professors

Robinson, D. A. F., Ph.D. Chic.,
 M.A.
 Burk, J. D., B.A.
 Robinson, G. de B., M.B.E., Ph.D.
 Camb., B.A., F.R.S.C.
 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.

Lecturers

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.

Steketee, J. A., Wi Delft Technical
Univ.

Special Lecturers

De Lury, D. B., M.A., Ph.D.

Lorentz, G., Ph.D. Leningrad and
Tübingen.

Reid, D. B. W., M.A. McG., M.Sc.
Virginia Polytech. Inst.

5 Teaching Fellows, 2 Assts., 1
Instr.

Medicine and Surgery, v. *infra*

Metallurgy, v. Engin.

Mineralogy, v. Geological
Sciences

Music, v. *infra*, and Ontario
Coll. of Education

Nursing, v. *infra*

Oriental Languages

Meek, T. J., B.D. McCorm., Ph.D.
Chic., D.D. Qu., B.A., F.R.S.C.,
F.R.S.A. Prof. (C.).

Winnett, F. V., M.A., Ph.D.
Assoc. Prof. (C.).

McCullough, W. S., M.A., B.D.,
Ph.D. Assoc. Prof. (C.).

Williams, Rev. R. J., Ph.D. Chic.,
M.A., B.D. Asst. Prof. (C.).

Staples, W. E., M.A., Ph.D.
Prof. (V.).

MacPherson, Rev. J., M.A. McG.,
B.D. Montr. Asst. Prof. (V.).

Newby, Rev. M. T., M.A.
Assoc. Prof. (T.).

De Catanzaro, Rev. C. J., 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

Spec. 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.
Lectr. (V.).

Edison, G., M.A. Col., Ph.D.

Actg. Hd. of Dept. and
Prof. (T.).

Owen, Rev. D. R. G., M.A. Oxon.,
B.A., Ph.D. Assoc. Prof. (T.).

Fairweather, Rev. E. R., Th.D.
U.T.S., M.A., B.D.

Assoc. Prof.

Kelly, Rev. J. M., M.A., Ph.D.
Hd. of Dept., Prof. (M.).

Gilson, E., D. ès L. Paris, LL.D.
Aberd., Harv. and St. And.,
Ph.D. Montr., Rome and
Milan, D.Litt. Oxon.

Prof. (M.).

Dore, Rev. J. W., Ph.D. Ott.,
B.Pæd., M.A. Prof. (M.).

Pegis, A. C., M.A. Marq., Ph.D.,
F.R.S.C.

President Inst. Med. Stud.
and Prof. (M.).

Eschmann, Rev. I. T., Ph.D.,
S.T.D. Rome Prof. (M.).

Brezik, Rev. V. B., M.A., L.M.S.,
Ph.D. Assoc. Prof. (M.).

Lynch, L. E. M., M.A., L.M.S.,
Ph.D. Asst. Prof. (M.).

MacDonald, Rev. R., M.A., Ph.D.
Asst. Prof. (M.).

Miller, Rev. R., M.A., Ph.D.
Asst. Prof. (M.).

Lecturers (M.)

Marcia, Sister M., M.A., L.M.S.,
Ph.D.

Maurer, Rev. A. A. A., M.A., Ph.D.

Corrigan, Rev. J. V., B.A.

3 Assts.

Physics

Watson, W. H., M.A., Ph.D.
Edin., Ph.D. Camb., F.R.S.C.

Prof. and Hd. of Dept.

Ireton, H. J. C., M.A., Ph.D. Prof.

Crawford, M. F., B.A. W. Ont.,
M.A., Ph.D., F.R.S.C. Prof.

Barnes, C., M.Sc. Leeds, Ph.D.

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.

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.

Lecturers

Love, H. M., B.Sc., Ph.D. Belf.

Garland, G. D., Ph.D. St. Louis,
B.A.Sc., M.A.

Hallett, A. C. H., B.A.

Special Lecturer

Thomson, A., O.B.E., M.A.,
F.R.S.C.

20 Demrs., 1 Instr.

Political Economy

Professors

..... Dean Sch. Grad. Stud.,
Prof. and Hd. of Dept.

Ashley, C. A., B.Com. Birm.,
F.C.A.

Bladen, V. W., M.A. Oxon.,
F.R.S.C.

Dir., Inst. Business Ad-
ministration.

Brady, A., B.A. Tor. and Oxon.,
M.A., Ph.D., F.R.S.C.

Dawson, R. MacG., M.A. Dal.,
A.M. Harv., D.Sc. Lond.,
F.R.S.C.

Elliott, G. A., M.A. Mani.,
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.

Riddell, W. A., B.A., LL.D. Mani.,
M.A., Ph.D. Col.

(Internat. Relations).

Associate Professors

Crocombe, F. R., M.A. Camb.
(Acc.).

- Clark, S. D., M.A. Sask. and McG., Ph.D.
 Currie, A. W., B.A., B.Com. Qu., D.Com.Sci. Harv.
 Easterbrook, W. T., B.A. Manit., M.A., Ph.D.
 Hennessey, S. G., B.Com.
 MacGregor, D. C., B.A.
 Morgan, L. T., B.A. Br. Col., M.A., Ph.D. Calif.
 Seeley, J. R., A.B. Chic.
 Macpherson, C. B., M.Sc. (Econ.) Lond., B.A.
 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.
 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. Cal.
 Ryder, N. B., B.A. McM., A.M., Ph.D. Prin., 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.
 Joyner, R. C., M.A.
 Stapleford, Elsie, B.A. Sask., M.A.
 Fowler, H. M., B.A. McG., Ed.D. Harv. Spec. Lectr.
 Millichamp, Dorothy A., M.A. Spec. Lectr.
 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 Asst. Prof.
 Lecturers
 Kulikovsky, G. N.
 Litwinowicz, W., M.A. Warsaw, Dr.Litt. Rome Sp. Lectr.
Social Science, v. Pol. Econ. and School of Social Work
Spanish, v. Italian
Zoology
 Professors
 Dymond, J. R., O.B.E., M.A., F.R.S.C. (Syst. Zool.)
 Hd. of Dept.
 Huntsman, A. G., B.A., M.D., F.R.S.C. (Marine Biol.).
 Coventry, A. F., B.A. Oxon. (Vert. Embry.).

Baillie, W. H. T., M.A., M.D.
(Mamm. Anat.).
Craigie, E. H., B.A., Ph.D.,
F.R.S.C. (Comp. Anat. and
Neur.).

Associate Professors

Walker, Mrs. Norma Ford, B.A.,
Ph.D. (Human Biol.).
Fisher, K. C., B.A. Acad., M.A.,
Ph.D., F.R.S.C.
Fry, F. E. J., M.B.E., M.A., Ph.D.,
F.R.S.C. (Limnology).
Ide, F. P., M.A., Ph.D.

Assistant Professors

Langford, R. R., B.Sc. Sask.,
Ph.D.
Atwood, C. E., B.S.A. McG.,
M.S.A., Ph.D.
(Forest Entomol.).
Butler, L., M.S.A., Ph.D.
(Genetics).
Engelbert, Miss Vibeke E., M.S.A.,
Ph.D. (Histol.).
Urquhart, F. A., M.A., Ph.D.

Lecturers

Neal, G. M., M.A. Br. Col.
Lennox, Mrs. Lennora M., B.Sc.
Alta.
Sullivan, Charlotte M., B.Sc.,
M.Sc. Dal., Ph.D.
12 Demrs., 7 Assts.

Applied Science and Engineering

Tupper, K. F., O.B.E., S.M. Mich.,
B.A.Sc. Dean.
Wilson, W. S., B.A.Sc.
Asst. Dean and Sec.

Aeronautical E.

Loudon, T. R., V.D., B.A.Sc.
Hd. of Dept. and Prof.
Patterson, G. N., B.Sc. Alta., M.A.,
Ph.D. (Aerodynam.) Prof.
Etkin, B., M.A.Sc. Asst. Prof.
Allan, D. G., S.M. M.I.T., B.A.Sc.
Lectr.

Special Lecturers

Czerwinski, W., Dip. Eng. Pol.
Lwow.

Hiscocks, R. D., B.A.Sc.
Jackson, W. H., B.A.Sc.
McIntyre, R. B., B.A. Camb.,
B.A.Sc.
3 Instrs., 8 Research Assts.

Chemical E. and App. Chemistry

McLaughlin, R. R., M.A.Sc., M.A.,
Ph.D. Hd. of Dept. and Prof.
Smith, E. A., M.A. McM. Prof.

Associate Professors

Macdonald, W. C., M.A.Sc.
Breckenridge, J. G., Ph.D. Camb.,
B.A.Sc.

Assistant Professors

Brockett, C. P., B.Sc. M.I.T.
MacElhinney, W. G., M.A.Sc.
Graydon, W. F., Ph.D. Minn.,
M.A.Sc.
Husband, R. M., B.E. Sask.,
Ph.D. McG., B.A.
Delaporte, A. V., B.A.Sc., Chem.E.
Spec. Lectr.

Lecturers

Fraser, J. G., B.Sc. Mt. All., M.A.
Winning, M. D., M.Sc. Alta.
5 Instrs., 22 Demrs.

Civil E., Municipal and Struct.

Loudon, T. R., V.D., B.A.Sc.
Hd. of Dept. and Prof.

Associate Professors

Morrison, C. F., B.E. Sask., M.Sc.
McG.
Sagar, W. L., B.A.Sc., C.E.
Huggins, M. W., M.A.Sc.
Helwig, C. E., M.A.Sc.

Asst. Prof.

Special Lecturers

Berry, A. E., M.A.Sc., C.E., Ph.D.
Cleverdon, R. K., M.A.Sc.
Davidson, A. C., B.Sc. Manit.,
M.A.Sc. Lectr.
Dillane, C. W., B.A.Sc. Lectr.
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.
Melson, J. W., B.A.Sc. Prof.
Macklin, H. L., B.A.Sc.

Asst. Prof.
Rowe, T. L. F. Spec. 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

Cass-Beggs, D. N., B.Sc.Tech.
Manc.

Reid, J. E., B.A.Sc.
Sinclair, G., Ph.D. Ohio State.

Assistant Professors

Lauchland, L. S., M.A.Sc.
Scott, R., S.M. M.I.T., B.A.Sc.

Lecturers

Courtice, H. A., B.A.Sc.
Doeringer, C. E., M.B.E., B.A.Sc.
Kravetz, A. J., B.Sc. Alta.,
M.A.Sc.
3 Instrs., 11 Demrs., 4 Readers.

Engineering Drawing

Wright, W. J. T., M.B.E., B.A.Sc.,
B.A. (Eng. Drawing)

Hd. of Dept., Prof.
Dunbar, W. B., B.A.Sc.

Assoc. Prof.
Wardell, A., B.A.Sc. Assoc. Prof.
Wrenshall, C. A., B.E. Sask.

Lectr.
Stinson, W. G., B.Sc. Qu. Lectr.

Special Lecturers

Fisken, A. D., M.C.P.Eng.
Li, C., M.S. Mich.
13 Instrs.

Mechanical E.

Allcut, E. A., M.Sc. Birm., M.E.
Hd. of Dept. and Prof.
McIntosh, W. G., B.A.Sc. Prof.

Associate Professors

Lord, G. R., S.M. M.I.T., B.A.Sc.,
Ph.D.

Wiren, R. C., B.A.Sc.
Smith, I. W., B.A.Sc.

Assistant Professors

Ewens, F. G., M.A.Sc.
Jones, L. E., B.Sc., C.E. Mani.,
M.A.Sc., Ph.D.

Hughes, P. B., B.Sc. McG.
Olive, C. E., B.Sc. Lond.
Wallace, W. A., B.A.Sc.

Lecturers

Huber, D. G., M.A.Sc.
Waines, R. T., B.A.Sc.
Church, J. W., B.Sc. Qu., M.A.Sc.
Hooper, F. C., B.A.Sc.
Vickers, J. M. F., B.Sc. Birm.,
M.A.Sc.
Morley, W. E., M.Sc. Cal. Tech.,
B.A.Sc. Spec. Lectr.
King, R. O., M.A.Sc. McG.
Hon. Lectr.
3 Instrs., 19 Demrs.

Metallurgical E.

Pidgeon, L. M., B.A. Mani., B.Sc.
Oxon., Ph.D. McG.

Hd. of Dept. and Prof.
Chalmers, B., D.Sc., Ph.D. Lond.
Prof.

Corbett, P. M., B.S. Ill., M.S.
Penn. State Coll.

Assoc. Prof.
Ross, H. U., B.Eng., M.Sc. McG.

Asst. Prof.
Thall, E., B.A.Sc. Lectr.
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

Atkinson, J. T. N., B.Eng., M.Sc.
McG., Ph.D.Friend, F. B., B.A. McM., M.A.
Rochester.

Klawe, J. J., M.A. Glas.

Bird, J. R., B.A.Sc., M.A.

8 Instrs.

ArchitectureMadill, H. H., O.B.E., V.D.,
B.A.Sc.Director of School and
Prof.Arthur, E. R., M.A., B.Arch. Liv.,
F.R.I.B.A., F.R.S.A. Prof.

Assistant Professors

Carswell, W. E., B.Arch.

Barker, R. J. K., B.Arch.

Raymore, W. G., B.Arch.

Murray, J. A., B.Arch.

Adamson, A. P. C., M.A. Camb.

Lecturers

Fliess, H., B.Arch.

Kent, S. R., B.Arch.

McBain, W. J., B.Arch.

Owen, H.

Robb, G. A., B.Arch.

Hall, J. A.

Bach, M., Dip. Eng. Arch. Berl.,
Arch. Sweden.Elken, A., Dip. Eng. Arch. Munich
and Helsinki.

3 Instrs.

Dentistry*Clinical Dentistry*

Hunter, H. A., D.D.S.

Assoc. Prof. and Asst.

Director of Clinics.

Crown and Bridge Prosthesis

.....

Prof.

Dental Anatomy

Ham, A. W., M.B.

Prof.

Jackson, W. J. S., D.D.S.

Assoc. 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.MacDonald, J. B., M.S. Ill.,
D.D.S. Asst. 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 Surgery and Anæsthesia

Johnson, J. H., D.D.S.

Prof.

Associate Professors

Tanner, D. M., M.B.E., D.D.S.,
B.Sc. (Dent.).Gray, Jessie C., M.D., M.S.,
F.R.C.S.Can.

Special Lecturer

Ireland, P. E., M.D.

Dentistry

Ross, W. J., D.D.S.

Prof.

Yule, O. J., B.D.S. N.Z., D.D.S.

Asst. Prof.

Diprose, R. E., D.D.S.

Asst. Prof.

Ash, C. L., B.Sc. Alta., M.D.,
D.Rad. Sp. Lectr.Botterell, E. H., O.B.E., M.D.
Manit., M.S., F.R.C.S.Can.

Sp. Lectr.

Gordon, S. D., M.B., M.S.,
F.R.C.S.Can., F.A.C.S.

Sp. Lectr.

Linghorne, W. J., D.D.S.
Sp. Lectr.

Moses, C. H., D.D.S., M.Sc. (Dent.)
Sp. Lectr.

Mustard, R. A., B.A., M.D.,
F.R.C.S.Can. Sp. Lectr.

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.

Asst. Prof.

Periodontology

Box, H. K., D.D.S., Ph.D., F.D.S.
Research Prof.

Williams, C. H. M., D.D.S., B.Sc.
(Dent.)

Assoc. Prof. (Pt.-time).

McIntosh, W. G., D.D.S.

Asst. Prof.

Preventive Dentistry

Professors

Cox, M. A., M.B.

Kreutzer, J., D.D.S., B.Sc. (Dent.)

Dir. of Dental Clinic.

Prosthodontia

Godfrey, R. J., D.D.S., M.Sc.
(Dent.) Hd. of Dept., Prof.

Cole, F. L., D.D.S. Assoc. Prof.

Woollatt, R. S., D.D.S.

Assoc. Prof.

Downton, E. P., D.D.S. Asst. Prof.

Radiography

Moser, J. E., D.D.S. Assoc. Prof.

41 Assocs., 2 Sp. Lectrs., 19

Demrs.

Medicine

(for subjects of the 2 pre-medical
yrs., v. *supra*)

MacFarlane, J. A., O.B.E., B.A.,
LL.D. Sask., M.B., F.R.C.S.
Eng., Edin. and Can. Dean.

Anatomy, v. also Biol.

Professors

Grant, J. C. B., M.C., M.B., Ch.B.,
F.R.C.S.Ed. Hd. of Dept.

Watt, J. C., M.A., M.D.

Cates, H. A., M.B.

Ham, A. W., M.B.

Smith, C. G., B.A., M.Sc. W. Ont.,
M.D., Ph.D.

Bensley, Mrs. Silvia H., B.A. Mt.

Holyoke, M.D. Chic.

Assoc. Prof.

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. Camb., B.A.,
F.R.S.

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

Lecturers

.....

.....

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

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.).

*Medical Research (Banting-
Best Med. Res.)*

Professors

Best, C. H., C.B.E., D.Sc. Lond.,
Oxon., Paris and Chic.,
Sc.D. Camb., M.D. Amst.,
Louvain, Liège and Tor.,
LL.D. Dal. and Qu., M.A.,
F.R.S., F.R.S.C., F.R.C.P.
Can. Director.

Franks, W. R., O.B.E., M.A., M.B.

Lucas, C. C., M.A.Sc. Br. Col.,
Ph.D.

Associate Professors

Chute, A. L., O.B.E., Ph.D. Lond.,
M.A., M.D., F.R.C.P.Can.

Baer, E. E. F. T., Ph.D. Berl.
(Synthetic Chem.).

Sellers, E. A., M.D. Manitt., Ph.D.

Hartroft, W. S., M.D., B.Sc.
(Med.) Alta., Ph.D.

Assistant Professors

Wrenshall, G. A., M.Sc. Sask.,
Ph.D. Yale, M.A.

Macpherson, L. B., M.B.E., B.Sc.
Acad., Ph.D.

Lecturer

Ridout, Jessie H., M.A., Ph.D.

8 Research Associates, 15 Re-
search Assts., 1 Fellow.

Medicine

Farquharson, R. F., M.B.E., M.B.,
D.Sc. Br. Col., F.R.C.P.Lond.,
F.R.C.P.Can.

Hd. of Dept. and Prof.

Wightman, K. J. R., M.D.,
F.R.C.P.Can., F.A.C.P.

Hd. of Dept. and Assoc.
Prof.

Associate Professors

Brooks, E. F. J., M.D., F.R.C.P.
Can.

Campbell, W. R., M.A., M.D.,
F.R.S.C., F.R.C.P.Can.

Owen, T., M.B., F.R.C.P.Can. and
Lond.

Brown, W. H., B.A. Sask., M.A.,
D.M. Oxon., F.R.C.P. Lond.
and Can., F.A.C.P.

Hyland, H. H., M.D., F.R.C.P.
Lond. and Can.

Dixon, H. A., M.D., F.R.C.P.Can.

Maltby, E. J., M.B., M.A., F.R.C.P.
Can.

Assistant Professors

Dickson, R. C., O.B.E., M.D.,
F.R.C.P.Can., F.A.C.P.

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.

Rykert, H. E., M.D., F.R.C.P.
Can., F.A.C.P.

17 Associates, 28 Clinical Teachers,
12 Fellows, 4 Demrs.

Obstetrics and Gynecology

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.

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.
Edin. 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., D.O.M.S. Lond.,
M.D. Hd. of Dept. and Prof.

Assistant Professors

MacDonald, A. E., M.D., F.R.C.S.
Can., D.O.M.S.

Morgan, A. L., M.D.

4 Associates, 6 Clinical Teachers,
4 Fellows.

Oto-Laryngology

Ireland, P. E., M.D.

Hd. of Dept. and Prof.

Assistant Professor

McCart, H. W. D., M.B.

3 Associates, 10 Clinical Teachers,
4 Fellows.

Pathological Chemistry

Dauphinee, J. A., O.B.E., M.A.
Br. Col., M.D., Ph.D., F.R.C.P.

Can. Hd. of Dept. and Prof.

Nicholson, T. F., M.B., B.Sc.
(Med.), Ph.D. Assoc. Prof.

Gornall, A. G., B.A. Mt. All.,
Ph.D. Asst. Prof.

Paul, W., B.A., Ph.D. Lectr.

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.

Magner, W., M.D., B.Ch., B.A.O.,
D.P.H. N.U.I., I.L.D. Sask.

Asst. Prof.

Lecturer

Hawks, G. H., M.D.

3 Associates, 5 Demrs., 4 Fellows,
1 Sr. Fellow.

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.

Drake, T. G. H., O.B.E., M.B.,
F.R.C.P.Can.

Snelling, C. E., M.B.

12 Clinical Teachers, 1 Research
Assoc.

Pharmacy and Pharmacology

Ferguson, J. K. W., M.B.E., M.A.,
M.D., F.R.S.C.

Hd. of Dept. and Prof.

Lucas, G. H. W., M.A., Ph.D.

Prof.

Smith, H. W., B.A., M.Sc. West.,
Ph.D. Asst. Prof.

Paul, W., B.A., Ph.D. Lectr.

Kalow, W., M.D. Koenigsberg
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,
Liège and Tor., LL.D. Dal.
and Qu., M.A., F.R.S.,
F.R.S.C., F.R.C.P.Can.

Hd. of Dept.

Solandt, D. Y., Ph.D. Lond.,

M.A., M.D., D.P.H., F.R.S.C.

Haist, R. E., M.A., M.D., Ph.D.

Sellers, E. A., M.D. Manit., Ph.D.

Associate Professors

Markowitz, J., M.B.E., M.S. in
Exp. Surg. Minn., M.B., Ph.D.

Pt.-time Assoc. Prof.

Campbell, J., M.A., Ph.D.

Assistant Professors

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.).

Feasby, W. R., B.A., M.D.

Scott, J. W., M.A., M.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.

12 Clinical Teachers, 8 Fellows, 2
Assocs.

Radiology

Singleton, A. C., M.B.E., M.D.,
F.F.R. Actg. Hd. of Dept.,
Assoc. Prof.

Hall, M. M. R., M.D. Asst. Prof.

Ash, C. L., B.Sc. Alta., M.D.,
D.Rad. Asst. Prof.

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. Edin.
and Can.

McKenzie, K. G., M.B., F.R.C.S.
Can.

Welsh, W. K., O.B.E., M.B.,
F.R.C.S. Eng. and Can.

Murray, D. W. G., M.B., F.R.C.S.
Eng. and Can.

McDonald, J. L., M.B., F.R.C.S.
Can.

Kergin, F. G., M.A. Oxon., M.D.,
M.S., F.R.C.S.

Mitchell, D. R., B.A., M.D., M.S.,
F.R.C.S. Eng. and Can.

Wansbrough, R. M., M.B.

Assistant Professors

Couch, J. H., M.A., M.D., F.R.C.S.
Edin., F.R.C.S.Can.

Aberhart, C., M.D., M.S.
 Farmer, A. W., M.D.
 Botterell, E. H., O.B.E., M.D.
 Manitt., 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.
 13 Associates, 18 Clin. Teachers,
 13 Fellows, 6 Resident Fellows,
 4 Clin. Assts.

Therapeutics

Wightman, K. J. R., M.D.,
 F.R.C.P.Can., F.A.C.P.
 Hd. of Dept. and Assoc.
 Prof.
 3 Assocs., 17 Clinical Teachers,
 10 Assts.

School of Hygiene

Defries, R. D., C.B.E., M.D.,
 D.P.H. (Hyg. and Public
 Health Admin.)
 Director and Prof.
 Brown, M. H., O.B.E., M.D.,
 B.Sc. (Med.), D.P.H.
 Director of Field Training.
 van Rooyen, C. E., M.D., Ch.B.,
 D.Sc. Edin. (Virus Infections)
 Prof.
 Parker, R. C., B.A. Acad., Ph.D.
 Yale (Experim. Cytol.) Prof.
 Rhodes, A. J., M.D., F.R.C.P.
 Edin. (Virus Infections) Prof.
 Moloney, P. J., O.B.E., M.A.,
 Ph.D., F.R.S.C. (Chem. in re-
 lation to Hyg.) Prof.
 McKinnon, N. E., M.B. (Epi-
 demiol. and Biometrics)
 Hd. of Dept. and Prof.
 Fisher, A. M., M.A., Ph.D.
 Assoc. Prof.
 MacLeod, D. R. E., B.A., M.D.,
 B.Sc. (Med.), D.P.H. (Epi-
 demiol. and Biometrics)
 Asst. Prof.

Reid, D. B. W., M.A. McG., M.Sc.
 Virginia Polytech. Inst.
 Asst. Prof.
 MacLean, D. L., O.B.E., M.B.,
 B.Sc. (Med.), D.P.H. (Public
 Health)
 Secy. of School and Prof.
 McHenry, E. W., M.A., Ph.D.,
 F.R.S.C. (Public Health Nu-
 trition) Prof.
 McGanity, W. J., M.D. (Public
 Health Nutrition) Lectr.
 Partridge, Mrs. Ruth C., M.A.,
 Ph.D. Lectr.
 Solandt, D. Y., Ph.D. Lond.,
 M.A., M.D., D.P.H., F.R.S.C.
 (Physiol. Hyg.)
 Hd. of Dept. and Prof.
 Agnew, G. H., M.D., F.A.C.P.
 (Hosp. Admin.) Prof.
 Berry, A. E., M.A.Sc., C.E., Ph.D.
 (Public Health Eng.)
 Assoc. Prof.
 Bradley, L. O., M.D. Alta. (Hosp.
 Admin.) Assoc. Prof.
 Stuart, Eugenie M., B.S.H.A.,
 M.H.A. Northwestern (Hosp.
 Admin.) Asst. Prof.
 Hatcher, G. H., B.A., M.D. McG.,
 D.P.H. (Public Health Ad-
 min.) Asst. Prof.
 Cunningham, J. G., B.A., M.B.,
 D.P.H.
 (Indust. Hyg.) Assoc. Prof.
 Fallis, A. M., B.A., Ph.D. (Para-
 sitol.) Prof.
 Sprent, J. F. A., B.Sc., Ph.D.
 Lond. (Parasitol.) Asst. Prof.
 Mosley, W., M.D., C.M. McG.,
 D.P.H. (Public Health Ad-
 min.) Assoc. Prof.
 Goodwin, J. E., B.A.Sc., Ph.D.
 (Physiol. Hyg.) Asst. Prof.
 Taylor, Edith M., O.B.E., M.A.,
 Ph.D. Asst. Prof.
 MacIntyre, D. M., B.A. Sask., Dip.
 P.A. West., Dip. H.A. (Hosp.
 Admin.) Asst. Prof.

Special Lecturers

Brink, G. C., M.B.
 Brown, W. G., M.D., D.P.H.
 Cryderman, Eileen, B.Sc. Col.
 Currey, D. V., M.D., D.P.H.
 Phair, J. T.
 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.
 9 Associates, 4 Fellows, 1 Demr.,
 8 Research Fellows, 8 Assts.

**Connaught Medical Research
Laboratories**

Defries, R. D., C.B.E., M.D.,
 D.P.H. Director.
 Fraser, D. T., M.C., B.A., M.B.,
 D.P.H., F.R.S.C.
 Assoc. Director.
 MacLean, D. L., O.B.E., M.B.,
 B.Sc. (Med.), D.P.H.
 Asst. Director.
 Moloney, P. J., O.B.E., M.A.,
 Ph.D., F.R.S.C.
 Asst. Director.
 Orr, M. D., O.B.E., B.A.
 Asst. Director.
 Allen, K. E., B.A. Comptroller.
 Boyd, I. W., M.Sc. Qu.
 Superintendent.

5 Research Members, 20 Research
 Assocs., 2 Research and Clinical
 Assocs., 9 Sr. Research
 Assts., 18 Research Assts., 1
 Clinical Assoc., 1 Vet., 1
 Assoc. Vet.

Music

MacMillan, Sir Ernest, D.Mus.
 Oxon., LL.D. Br. Col. and
 Qu., Mus.Doc. Laval, D.Litt.
 McM., B.A., F.R.C.M.,
 F.R.C.O. Dean.
 Loughlin, G. F., D.Mus. Durh.,
 F.R.C.O. Assoc. Prof.

Assistant Professors

Johnston, A. R., B.Mus. North-
 western, M.Mus., Ph.D. Ro-
 chester (School Music).
 Rosevear, R. A., A.B. Cornell,
 M.Mus. Rochester (School
 Music).
 Bell, L. R., D.Mus. Montr., M.A.

Lecturers

Ridout, G.
 Wolff, S. D., B.Mus. Lond., Mus.
 Doc., F.R.C.O.
 Walter, A., Jur. Utr. Dr. Prague
 Sp. Lectr.

Nursing

Russell, Edith K., B.A., D.C.L.
 King's, B.Pæd.
 Director of School and
 Prof.
 Fidler, Nettie D.
 Acting Dir. of Sch.
 Emory, Florence H. M.
 Assoc. Director of Sch.
 and Assoc. Prof.

Assistant Professors

Millman, Mary B., B.A.
 Wilson, M. Jean, B.A. Sask.,
 B.Pæd.
 Howard, Ella M., B.S. in N. West.
 Reserve.
 Duff, Dorothy K., B.S. Col.
 Bennett, Miss H. A.

Lecturers

Allemang, Miss M. M., B.Sc.N.,
 B.A.
 Carpenter, Helen M., B.S. Col.,
 M.P.H. Johns H.
 Tresidder, Marion I., B.Sc.N.
 Greenslade, Myra J., B.Sc.N.
 Watson, Jeannette E., B.Sc.N.
 W. Ont.
 Griffith, Olive F.

Physical and Health Education

Cates, H. A., M.B.
 Director of School and
 Prof.

Stevens, W. A., B.S. Syracuse
Assoc. Prof. and Director
of Athletics and Phys.
Educn. (Men).

Griffiths, M. G., M.P.E. Spring-
field, M.A. Col. Assoc. Prof.

Bryans, Helen L., M.A. Col., B.A.
Assoc. Prof.

Slack, Zerada, B.A. McG.
Asst. Prof. and Dir. Phys.
Educn. (Women).

Forster, Jean M., B.A.
Asst. Prof. and Asst. Dir.
Athletics and Phys.
Educn. (Women).

Jackson, Dorothy N. R., M.A.
New York

Asst. Prof. and Asst. Dir.
Athletics and Phys.
Educn. (Women).

McCutcheon, J. E. Asst. Prof.

Lecturers

Wilson, R. J., M.A. Br. Col., M.D.,
D.P.H.

Ebbs, J. H., M.D. Tor. and Birm.,
F.R.C.P.Can.

8 Assts., 7 Associates, 10 Instrs.

Social Work

Hendry, C. E., B.A. McM., M.A.
Col., M.H. Springfield
Act. Dir. and Prof.

Associate Professors

Jaffary, S. K., B.Sc., M.A. Alta.,
Ph.D. Chic.

Morgan, J. S., M.A. Oxon.

Klein, A. F., M.S. N.Y. Sch. of
S.W., LL.B. Brooklyn Law
Sch., B.S.S. Brooklyn Coll.

Choate, Reva E., M.A. Chic.

Assistant Professors

Rose, A., M.A., Ph.D. Ill., B.A.

Boynton, Opal, B.A. Col.

Machell, Mrs. Lecie G., A.B. Ill.,
M.S.P.A. Wash.

Chaisson, Mrs. Josephine D., B.A.
St. F.X., M.A. Dal. and Chic.

Rhinewine, Miss S., M.S.W. Penn.,
B.A.

Telcher, M. I., B.S.S. N.Y., M.S.W.
Penn.

Rosen, E. J., B.Sc., M.D., C.M.
McG., D.Psych.

Lecturers

Amos, J. L., M.A.

Grotewohl, Doris, A.B. Berea.

Godfrey, Ray, M.A. Chic., B.A.

Special Lecturers

Stewart, Judge V. L., B.A. Sask.,
M.A.

Machel, J. V., M.A., B.D., Ph.D.

Griffin, J. D. M., M.A., M.D.

Ross, M. G., B.A. Acad., Ed.D. Col.,
M.A.

14 Field Supervisors, 1 Research
Assoc., 1 Research Asst.

Ontario College of Education

Lewis, A. C., M.A., D.Pæd. Dean.

Phillips, C. E., B.A., D.Pæd.
(Educn.) Prof.

Educational Methods

Diltz, B. C., M.A. Qu. (Eng. and
Hist.) Prof.

St. John, Helen B., M.A. (Mod.
Langs.)

Prof. and Supervisor of
Women Students.

Daniher, E. L., B.A. (Hist.) Prof.

Associate Professors

Dean, Charlotte R., M.A. Col.,
B.A. (Home Econ.).

Ratz, Ruth E., B.A. (Home Econ.).

Parmenter, M. D., M.A. (Guidance)
Dir. of Vocat. Guidance
Centre.

Croal, A. G., M.A. Qu., D.Pæd.
(Sc.).

Halbus, F. W., B.A. McM. (Phys.
Educn.).

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.).
- Bryans, Helen L., M.A. Col., B.A.
(Phys. and Health Educn.).
- Phillips, R. D., B.Sc. New Br.
(Vocational Subjs.)
Dir. of Vocat. Training
and Indus. Arts and Crafts.
- Haig, A. P., B.A. (Music).
- Tait, G. E., B.A. W. Ont., B.Pæd.
(Elem. Educn.).
Assistant Professor
- Taylor, B. C., M.A. (Classics).
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.
- Seggie, A. P., B.A.
- Apperley, G. S.
- Rideout, E. B., B.A. Mt. All.
- Luther, G. T. H.
1 Asst., 1 Instr.
- Educational Research*
- Long, J. A., B.A. McM., Ph.D.
Col. Dir. and Prof.
- Jackson, R. W. B., B.A. Alta.,
Ph.D. Lond.
Asst. Dir. and Assoc.
Prof.
- Fowler, H. M., B.A. McG., Ed.D.
Harv. Assoc. Prof.
- Pitt, C. C., B.A. Qu., M.A. Col.,
B.Pæd. Assoc. Prof.
- Hobday, Kathleen M., M.A. Lectr.
- Library Science*
- Bassam, Bertha, B.A. Qu., B.L.S.
Pratt, M.S. Col.
Assoc. 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, Miss K. L., M.A. Oxon., B.A.,
B.L.S. Asst. Prof.
- Lecturer
- Cockshutt, Margaret E., B.A.,
B.L.S.
6 Instrs.
- University Extension**
- Gilley, J. R., B.A.Sc. Director.
- Correspondence Courses*
- Leavens, D. H. Supervisor.
- Courses in Radiography*
- Milner, Dorothy de F.
- Evening Classes*
- Associate Directors
- Sharpe, B. W., M.A.
- Bryce, W. A., B.A.

ADMINISTRATIVE AND OTHER STAFF

Asst. to the President : C. T. Bissell, M.A., Ph.D. Dir. of Athletics and Phys. Educn. (Men) : W. A. Stevens, B.S. Dir. of Phys. Educn. (Women) : Zerada Slack, B.A. Editor of Univ. of Toronto Press : G. W. Brown, M.A., Ph.D., F.R.S.C. Gen. Sec.-Treasurer of the Students' Admin. Council : E. A. Macdonald, B.A. Assoc. Sec. of the Students' Admin. Council : A. E. Marie Parkes, B.A. Dir. of Hart House Theatre : R. S. Gill, M.A. Dir. of Placement Service : J. K. Bradford, O.B.E., M.A.Sc.

COLLEGES OF THE UNIVERSITY

UNIVERSITY COLLEGE. Principal—F. C. A. Jeanneret, B.A., D. ès L., O.A. Registrar—W. J. McAndrew, M.A. Telephone (Registrar) : MI 6611.

VICTORIA COLLEGE, in the Faculty of Arts of the Univ., *see* p. 872.

TRINITY COLLEGE, in the Faculty of Arts of the Univ., *see* p. 869.

ST. MICHAEL'S COLLEGE, in the Faculty of Arts of the Univ., *see below*.

FEDERATED UNIVERSITIES

UNIVERSITY OF TRINITY COLLEGE, *see* p. 869.

VICTORIA UNIVERSITY, *see* p. 872.

FEDERATED COLLEGES

ST. MICHAEL'S COLLEGE. Superior—Rev. L. J. Bondy, M.A., Ph.D., D. ès L. Registrar—Rev. C. J. Lavery, M.A., Ph.D. Other Teachers: the Profs., etc., marked (M.) in the directory, *supra*.

KNOX COLLEGE, WYCLIFFE COLLEGE and EMMANUEL COLLEGE. Teachers giving instruction in Univ. courses (*Religious Knowledge*): (1) Knox—Rev. W. W. Bryden, M.A., D.D., Principal; Rev. D. K. Andrews, M.A., Ph.D.; Rev. J. S. Glen, M.A., Ph.D., B.D., Th.D.—Profs. (2) Wycliffe—Rev. Ramsay Armitage, M.A., D.D., Principal; Rev. T. A. M. Barnett, M.A.; Rev. R. F. Hettlinger, M.A.; Rev. B. W. Horan, M.A., D.D.—Profs. (3) Emmanuel—Rev. A. Dawson Matheson, M.A., D.D., Dean; Rev. C. W. Leslie, M.A., B.D., Ph.D.—Prof.; Rev. C. V. McLean, M.A., B.D., Ph.D.—Assoc. Prof.; Rev. K. J. Joblin, B.A., B.D.—Assoc. Prof.; Rev. Canon W. Prior, B.A., B.D.; Rev. W. O. Fennell, B.A.—Asst. Profs.

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* Special Funds.

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STUDENTS. The total number of registered students was 422.

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ONTARIO COLLEGE OF ART, Grange Park, Toronto. (Telephone : EM—6-2846.) Principal—L. A. C. Panton.

ROYAL COLLEGE OF DENTAL SURGEONS OF ONTARIO, 234 St. George St., Toronto. (Telephone : KI 0134.)

GENERAL INFORMATION

An appropriation of 500,000 acres of land for the support of 4 grammar schools and a Univ. in Upper Canada was made in 1798, and a Royal Charter was granted in 1827 for a "King's College" with the privileges of a Univ., but it was not until 1843 that the College was inaugurated. For early history, see *Yearbook*, 1929.

LIBRARY, 508,736 bound volumes and 158,986 pamphlets. The Library has recently acquired the library of the Royal Canadian Inst., and is consequently especially strong on the scientific side. It has also special collections of French-Canadian lit., of Italian and Spanish *belles-lettres*, and of 18th-century English lit. Among its MS. collections are the papers of Col. and Mrs. J. G. Simcoe, presented to the Library by Mr. R. S. McLaughlin ; and the papers of the Hon. E. Blake, who was Chancellor of the Univ. from 1881 to 1900. The papers of W. L. Mackenzie and Charles Lindsay, and those of Sir Edmund Walker, have been placed in the Library for safe keeping, and may be used by permission of the Librarian.

MUSEUMS. The Royal Ontario Museum, 100 Queen's Park, Toronto 5—*Archæology* : including extensive collections illustrating the arts and skills of primitive peoples ; the American Indian ; the civilizations of Egypt, Greece and Rome ; arms and armour, ceramics, furniture, textiles, etc. The Chinese Collection covers the entire range of art and archæology, and is outstanding. The Chinese Library of over 50,000 books provides access to the literature of China for the study of these subjects. *Geology and Mineralogy* : including exhibits of Canadian metals from the gold and silver mines ; gems and ornamental stones ; marbles ; radium ; and exhibits of Canadian minerals. *Zoology and Palæontology* : including extensive collections of Canadian and foreign animals, birds, fish ; many specimens of dinosaurs from Alberta, and thirty murals depicting the development of the earth through the various geological periods.

LABORATORIES, in all the Science depts. BANTING INSTITUTE with depts. of Path., Bact., Neuro-pathol., Med., Surg., Patholog. Chem. and the Banting

and Best Dept. for Med. Research, for teaching, clinical investigation and research work. CONNAUGHT MEDICAL RESEARCH LABORATORIES provide facilities for research in preventive med. and in related fields and for production of and supply of sera, vaccines, hormones, antibiotics and other biological preparations that are difficult or costly to produce. Farm of over 145 acres. DAVID DUNLAP OBSERVATORY, Richmond Hill, contains a 74-in. reflecting telescope which may be used either as a Cassegrain or a Newtonian, the largest in the Commonwealth and one of the largest in the world. HOSPITALS available for Clinics: Toronto (General), 1416 beds; Children's, 632; St. Michael's (General), 722; Western (General), 535; Psychiatric, 76; Isolation, 150; Sunnybrook (Veterans), 1200.

FACULTIES. Arts, *Dean*—M. St. A. Woodside, M.A.; Medicine, *Dean*—J. A. MacFarlane, O.B.E., B.A., M.B., LL.D., F.R.C.S.; Applied Science and Engineering, *Dean*—K. F. Tupper, O.B.E., B.A.Sc., S.M.; Household Science, *Sec.*—M. Doreen Smith, M.A., Ph.D.; Education (Ontario Coll. of Educn.), *Dean*—A. C. Lewis, M.A., D.Pæd.; Forestry, *Dean*—J. W. B. Sisam, B.Sc.F., M.F.; Music, *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, *Dean*—.....; 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; Hygiene, *Dir.*—R. D. Defries, C.B.E., M.D., D.P.H.; Library, *Dir.*—Winifred G. Barnstead, B.A. INSTITUTES: Child Study, *Dir.*—W. E. Blatz, M.A., M.B., Ph.D.; Business Administration, *Dir.*—V. W. Bladen, M.A., F.R.S.C.; Department of University Extension, *Dir.*—J. R. Gilley, B.A.Sc.

SECRETARIES OF FACULTIES AND SCHOOLS. (Arts) W. D. Foulds, B.A.; (Med.) Mary L. Cassidy, B.A.; (Applied Sci. and Engin.) W. S. Wilson, B.A.Sc.; (Household Sci.) M. Doreen Smith, M.A., Ph.D.; (Educn.) Lyda Swinarton; (Forestry) D. V. Love, B.Sc.F., M.F.; (Music); (School of Graduate Studies) J. H. Sword, M.A.; (Dentistry) C. C. Rous, B.A.Sc.; (Law) Joyce McClennan; (Archit.) S. R. Kent, B.Arch.; (Physical and Health Educn.) Margaret I. R. Pratt, B.A.; (Soc. Work) Edna B. Bambridge; (Nursing) Dora K. Duff; (Hygiene) D. L. MacLean, O.B.E., M.B., B.Sc. (Med.), D.P.H.; (Child Study) Mary R. McKeown, B.A.; (Business Administration) Marjorie L. Ruwald.

UNIVERSITY MATRICULATION BOARD. A Board created by the Univs. of Toronto, Queen's, McMaster, W. Ont. and Ottawa conducts and controls their annual Matricn. examns. The Dept. of Educn. of Ontario provides the machinery for holding these examns., and the Registrar of the Dept. is Secy. of the Board. A report signed by all members of the staff of the school concerned as to the standing of their candidates is considered in determining the results of the examn.

For admission to the University the requirements are: (a) the Secondary School Graduation Diploma in the General Course covering English, History and four optional subjects; and (b) Grade XIII certificate covering English and four optional subjects. The Secondary School Graduation Diploma is usually taken at the end of a 4-yr. Secondary School course and the Grade XIII certificate at the end of the fifth year of this course. The optional subjects of Grade XIII vary according to the course or Faculty which the student desires to enter. In certain cases foreign students may substitute their native language for a language other than English.

Students from the British Isles may apply for admission to Applied Sci.

on submitting the Oxford and Cambridge Joint Board School Certificate, or equivalent, indicating "Credit" or better standing in English Lang. and Lit., "Advanced" or "Additional" Maths., Physics, Chem. (not General Sci.), and a foreign lang.

Minimum age for admission to the Faculty of Arts, 16; Med., 17; Appl. Sci., 17; House. Sci., 16; Educn., 19; Forestry, 17; Architecture, 17; Dentistry, 17.

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.Pæd. is open to candidates holding an approved degree in Arts, Sci., Agric., Engin. or Comm., and a certif. as teacher valid in one of the Provinces

of Canada and issued after a regular course in an approved training school or the equivalent of such certifi. and course of training. They must attend the Ontario Coll. of Education during two regular Coll. sessions or three summer sessions, with certain exceptions.

The D.Pæd. is open to graduates in Arts, Science, Agric., Engin. or Comm., of any British Univ. who hold the B.Pæd. degree and a teacher's certifi. valid in one of the Provinces of Canada and pass prescribed examns. A thesis is also required, and the candidate must have attended one regular session or a summer course.

M.L.S., 1-yr. course open to holders of B.L.S.

M.S.W. (Master of Social Work) is open to grads. who have obtained the B.S.W. degree or its equivalent.

The M.S.A. is open to grads. who have obtained the B.S.A. degree or its equivalent.

The M.Sc. (Dent.) is open to grads. of the Fac. of Dentistry of Univ. of Toronto or those with equivalent standing. It involves at least 2 yrs.' work.

The M.V.Sc. or the D.V.Sc. is open to grads. who have obtained the B.V.Sc. or the D.V.M. degree or its equivalent.

The Mus.Doc. is open to a Mus.Bac. of this or another Univ. of 1 yr.'s standing.

The LL.M. may be obtained by an LL.B. graduate of the Univ. or an approved Univ., of at least 1 yr.'s standing, who passes the prescribed examns. and presents a satisfactory thesis. The D.Jur. is open to candidates who have obtained the LL.M. or its equivalent. It requires 1 yr.'s attendance, examn. and a thesis.

The Univ. publishes annually an announcement of *Graduate Courses*. All communications on the subject must be addressed to the School of Graduate Studies.

TRAINING OF TEACHERS. Courses are provided for Teachers' certificates of several grades, including the Household Science and the Physical Training Teachers'. The Educn. Dept. of Ontario grants certificates on the completion of the prescribed courses, entitling the holders to teach in the High Schools. All teachers for High Schools and Collegiate Institutes must spend at least 1 yr. in the College of Education.

FEES. Students proceeding to the B.A. and enrolled in one of the Colls. of the Univ. attend lectures of Univ. Profs. and Lectrs. in the Fac. of Arts without payment of fees except for library, lab. supplies, examns. and certain other incidentals. The Coll. Fees, which entitle students to attend degree courses in their respective Colls., are \$242 p.a.; App. Sci. and Engin., Men \$417, Women \$400; Archit., Men \$417, Women \$400; Arts (Univ. Coll.), Men \$278 (B.A.), \$314 (B.Com.), Women \$267 (B.A.), \$303 (B.Com.); Arts (Victoria, Trinity and St. Michael's), Men \$55 (B.A.), \$207 (B.Com.), Women \$40 (B.A.), \$192 (B.Com.); Child Study, \$232; Dent., Men \$335 (pre-Dent.), \$454 (1st to 4th Dent. yrs.), Women \$320 (pre-Dent.), \$439 (1st to 4th Dent. yrs.); Dental Nursing, \$278; Forestry, \$367 (1st to 3rd yrs.), \$322 (4th yr.); Household Sci., \$277; Institutional Management, Men \$283, Women \$268; Law, Men \$339, Women \$324; Med., Men \$285 (pre-Med. yrs.), \$521 (1st to 3rd Med. yrs.), \$531 (4th Med. yr.), Women \$272 (pre-Med. yrs.), \$508 (1st to 3rd Med. yrs.), \$518 (4th Med. yr.); Art as applied to Med., Men \$305, Women \$290; Phys. and Occupational Therap. (1st 2 yrs., combined course), \$289; Phys. Therap. (3rd yr.), \$269; Occupational Therap. (3rd yr.), \$289; Music, gen., \$185, gen. (not in attendance), \$63, Sch. Music, Men \$290, Women \$275; Nursing, degree courses, \$202, grad. courses, \$277; Ont. Coll. of Educn., Teachers' courses, Men \$211, Women

\$196; Library Sch. Degree course, Men \$219, Women \$204; Dipl. course, Men \$209, Women \$194; Phys. and Health Educn., Men \$313, Women \$302; Soc. Work (B.S.W.), Men \$347, Women \$332; Dipl. in Pub. Health, \$416; Dipl. in Indust. Hyg., \$416 and \$290; Dipl. in Med. Radiol., \$175, in Psych., \$115, in Vet. Pub. Health, \$236, in Hosp. Admin., \$506, in Pub. Health, \$231, 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. Houses, for 64 men—40 at 73 St. George St. and 24 at 5 Willcocks St., rent \$5.25 a week; residence and board for women (250), at least \$15.50 a week; Victoria Coll. Halls for 260 men and 250 women; Trinity Coll. provides for 135 men and 100 women; St. Michael's (R.C.) has also residences for men and women.

HART HOUSE, the gift of the Massey Foundation in memory of Mr. Hart Massey, affords all the facilities of a first-rate club for men undergrads. It includes many halls and rooms, providing for all the activities in the undergrads' life other than work in the lecture room. The Students' Admin. Council and the Students' Christian Movement have their headquarters in the House; it also contains a wing with the Athletic Assoc. offices, gymnasium, swimming pool, etc., where formal physical training is carried on, as well as other athletic activities. Annual fee, \$15. *Telephone* (Hall Porter): MI 6445.

WOMEN'S UNIONS. The Arts Colleges provide centres for the social activities of the undergraduate women of their respective colleges; these have common rooms, library, dining-hall and guest rooms.

UNIVERSITY EXTENSION. (1) Courses leading to the B.A. degree conducted in the evenings and on Saturdays for teachers and other adults. (2) Summer Session in Arts subjects and in Pedagogy. (3) Evening tutorial non-credit classes in a variety of Arts and cultural subjects held during the winter session. (4) Evening non-credit classes in subjects relating to Business and Industry held during the winter session. (5) 3-yr. Certif. Course in Business—evening classes. (6) Extension lectures throughout the Province. (7) Correspondence Division conducts courses for credit for 7 business organizations. (8) Short refresher courses for Social Workers, Fire Fighters, Accident Prevention, Public Safety (safe driving), for groups of graduates and others in special fields.

PUBLICATIONS. *President's Annual Report*; *Board of Governors' Report*; *Calendars*, April-May; *Bulletins of the Dept. of University Extension*; *Medical Bulletin*; University of Toronto Press books and journals, including *Can. Journal of Psychology*; *Can. Journal of Mathematics*; *Univ. of Toronto Quarterly*; *Can. Historical Review*; *Can. Journal of Econ. and Polit. Sc.*; *Univ. of Toronto Law Journal*; *Univ. Studies*: Alumni and students' magazines—*Alumni Bulletin*, *Varsity*, *Torontonensis*.

THE YEAR 1950-51

BENEFACTIONS. Defence Res. Bd., \$291,000; Nat. Res. Council, \$257,790; Estate of late Dr. W. Goldie, \$139,203; Dr. S. Samuel, \$120,000; Res.

Council of Ont., \$85,040 ; National Cancer Inst. of Can., \$73,789 ; Rockefeller Foundation, \$41,013 ; Estate of late Mrs. Helen Shepard, \$36,625 ; Province of Ontario, \$34,000 ; Ontario Cancer Treatment and Research Foundation, \$25,092 ; Estate of late T. Foster, \$23,000 ; Banting Research Foundation Grants, \$20,930 ; Nutrition Foundation Inc., \$19,786 ; Estate of late Rt. Hon. W. L. Mackenzie King, \$15,000 ; J. P. Bickle, \$15,000 ; Estate of late Colonel R. W. Leonard, \$14,859 ; Charles H. Best Inst. Fund (various donors), \$12,800 ; Estate of late Allen F. S. Robertson, \$12,487 ; Estate of late Dr. W. B. Boyd, \$11,756 ; Government of Canada, \$11,660 ; Anonymous donors, \$11,619 ; Canadian Arthritis and Rheumatism Society, \$11,480 ; J. Franceschini Foundation, \$10,000 ; Canadian Life Insurance Officers' Association, \$9500 ; Estate of late Mary J. Felker, \$9396 ; Various donors—Industrial Relations, \$8180 ; Central Mortgage and Housing Corporation, \$7200 ; J. and Mary R. Markle Foundation, \$6397 ; Algoma Ore Properties Ltd., \$6200 ; Estate of late Dr. J. S. Chisholm—Fac. of Med., \$6089 ; Imperial Oil Ltd., \$6050 ; Various donors—Frank S. Hogg Memorial Scholarship Fund, \$5519 ; National Vitamin Foundation Incorporated Grant, \$5118 ; R. Gould Res. Foundation Grant, \$5040 ; W. K. Kellogg Foundation Fund, \$4454 ; Percy Hermant, \$4100 ; Atkinson Charitable Foundation, \$4000 ; Canadian Legion of British Empire Service League, \$3575 ; Illuminating Engineering Soc., \$3300 ; Colonel W. E. Phillips, \$3066 ; Spruce Falls Power and Paper Company Ltd., \$3000 ; Dr. J. Sullivan, \$2700 ; Lady Davis Foundation, \$2500 ; Alcoholism Res. Foundation, \$2350 ; C. E. Frosst and Co., \$2250 ; R. Simpson Co. Ltd., \$2030 ; Canadian National Inst. for Blind, \$2000 ; Donations for Publication of Lectures—University Extension, \$2000 ; Estate of late L. M. Treble, \$1969 ; Ontario Community Chests, \$1900 ; Canadian Breweries Ltd., \$1800 ; Dow Chemical Co., \$1606 ; Medical Alumni Assoc., \$1600 ; Swift (Canadian) Foundation, \$1500 ; Mrs. E. J. Urwick, \$1500 ; Canadian Industries Ltd., \$1250 ; Consolidated Mining and Smelting Co. of Canada Ltd., \$1200 ; Canadian Inst. of Steel Construction, \$1200 ; S. S. Kresge Co. Ltd., \$1200 ; G. G. Cosens, \$1000 ; Various donors—University College Alumni, Alumnæ Giving Fund, \$1123 ; Associates of the University of Toronto Inc., \$1064 ; Dr. A. E. MacDonald, \$1025 ; Kennecott Copper Corp., \$1000 ; M. H. Epstein, \$1000 ; Canadian Oral Prophylactic Assoc., \$1000 ; Liquor Control Bd. of Ontario, \$1000 ; York Knitting Mills Ltd., \$500 ; Gordon MacKay & Co. Ltd., \$500 ; Canada Cycle and Motor Co. Ltd., \$500 ; Canadian Acme Screw and Gear Ltd., \$500 ; Canadian Breweries Ltd., \$500 ; G. M. Black, \$500 ; G. C. Leitch, \$1000 ; Royal Coll. of Dent. Surgeons, \$950 ; Manitoba Brewers and Hotelmen's Welfare Bursary Fund, \$800 ; Ladies' Auxiliary, \$784 ; B. Sadowski, \$750 ; Bloor District Business Men Inc., \$750 ; Various donors—Pharmacol. Trust Fund, \$750 ; G. I. Gray, \$732 ; Pan-Hellenic Assoc. of Univ. of Toronto, \$690 ; Assoc. of Professional Engineers of Province of Ont., \$625 ; Students' Admin. Council, \$600 ; Family of late Sir Edmund Walker, \$600 ; Canadian Foundation for Poliomyelitis through Canadian Physiotherapy Association, \$600 ; Estate of J. F. Gray, \$589 ; Imperial Ethiopian Govt. Ethiopian Students' Fund, \$551 ; Dr. C. A. Chant, \$550 ; Estate of late Dr. E. W. Holmes, \$539 ; Univ. Coll. Alumni Assoc., \$525 ; Household Sci. Alumnæ Assoc., \$500 ; Prof. E. G. R. Ardagh, \$500 ; Massey Harris Co. Ltd., \$500 ; Dr. C. G. McCullagh, \$500 ; International Nickel Co. of Canada Ltd., \$500 ; J. B. Tyrell, \$500 ; Canadian Foundation for Poliomyelitis, \$500 ; Famous Players Canadian Corp. Ltd., \$500 ; Dr. W. C. Leggett, \$500 ; Scottish Rite Masons of Tor., \$500 ; G. R. Sproat and Mrs. Katherine Sproat, \$500 ; Estate of late Mrs. Jean Glasgow—J. Macara Scholp., \$462 ; Sir John G. Chapter, I.O.D.E., \$446 ; Dept. of Hyg.

and Prev. Med.—Blue Book, \$413; Mrs. G. O. Smith, \$410; Engin. Club of Tor., \$400; B'nai B'rith, Tor. Lodge, \$350; Various donors—Med. Library Fund, \$350; D. L. King, \$325; Various donors—King Township Scholp. Fund, \$320; Miss Elsie Watt, \$312; Estate of late R. Bruce, \$310; Engineering Alumni Scholp. Cttee., \$300; Ont. Assoc. of Architects, \$300; Hobbs Glass Ltd., \$300; Oral Health Magazine, \$300; Ash-Temple Co. Ltd., \$300; Dent. Co. of Canada, Ltd., \$300; British American Oil Co. Ltd., \$300; Dr. S. Samuel, \$35,869; National Geographic Soc., \$15,984; Carling Breweries Ltd., \$7500; Leonard Foundation, \$2260; The Misses A. and M. Laidlaw, \$2000; Canadian Jewish Congress, \$644; H. M. Smith, \$500; T. Eaton Co., \$500; City of Toronto, \$500; Rootes Motors (Canada), \$894; Archæology Membership Account (Various), \$300; Mrs. E. Stone, \$303; Varsity Appeal, various donors, \$245,929.

NEW BUILDINGS. Governmental grants, a grant from the City of Toronto of \$2,000,000, gifts and pledges from corporate and individual donors, and accumulated funds earmarked for specific bldg. projects, total an amount in excess of \$16,000,000. This has provided, and will provide, the funds for the Univ.'s bldg. programme, inaugurated in 1947. The Wallberg Memorial Bldg. (Chem. Eng. and Chem.), the Burton Wing of the McLennan Physics Lab., the extension to the Mechanical Engin. Bldg. and the War Memorial to those who fell in World War II have now been completed under this programme. An addition to the Ont. Coll. of Educn. bldg. and the Archives and Sigmund Samuel Canadiana Bldg. have been completed. A new central steam plant is under construction.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Dr. R. W. Diamond, "The Engineer and Industrial Management"; The Rt. Hon. T. Rinfret, "We Are All Canadians"; Dr. F. D. W. Lukens, Pennsylvania, "Studies on the Pathogenesis of Diabetes"; Sir Geoffrey Jefferson, Manc., "The Surgical Management of Intracranial Aneurysms"; Prof. O. Odlozilik, Col., "Masaryk's Idea of Democracy"; Prof. A. Heras, S. Calif., "*The Honourable Peasant* in the Spanish Drama of the Golden Age"; G. M. Clemence, "The Motions of the Five Outer Planets"; Prof. D. Stamp, L.S.E., "The Aims and Methods of Modern Geography"; Prof. V. G. Szebehely, Virginia Polytechnic Inst., "Formal Analogy between Hydro-dynamics and Elasticity," 3 lectures—"Hooke's Law and Stoke's Law," "Viscosity Coefficients and Lame's Constants," "Equations of Motion"; Dr. C. de Koninck, Laval, "The Conflict of Two Cultures"; Prof. H. B. G. Casimir, "Some Elementary Ideas of Superconductivity," "Van der Waals Forces and Zero Point Energy of Empty Space"; J. C. Strijland, Amsterdam, "Techniques and Applications of High Pressure in Physical Research" (3 lectures); Dr. J. P. Bull, "Dextran Treatment of Burns"; Prof. M. V. Wilkes, Camb., "Computing Machines"; Dr. L. Fox, "Relaxation Methods for Ordinary Differential Equations with Two Point Boundary Conditions" (2 lectures); Dr. C. Hurd, "Electronics and Application of Electronics to Solution of Mathematical Problems"; Dr. J. C. P. Miller, "Number Theoretical Problems Suitable for Electronic Computation"; Prof. D. R. Hartree, Camb., "Programming for Electronic Computers" (2 lectures), "Some Numerical Aspects of Forced Oscillations in Non-Linear Systems"; Prof. L. Smith, "A Survey of Italian Music Achievements," "Italy's Contribution to Opera"; Prof. M. M. Rossi, "The New Historical Science of Vico," "Croce's Theory of Art and Criticism"; Mrs. E. H. Craigie, "Spanish Music from its Origins to 1500," "Spanish Music from 1500 to Modern Times"; D. M. Fleming, "Old Age Security for Canada"; Prof. A. L. Phelps, McG., "The Social Theme in Canadian Literature"; The

Rev. G. P. Gilmour, McM., "Religion and Social Work"; The Rev. Father A. W. Guillemette, Montr., "Social Policy in French Canada"; Prof. V. Nabokov, Corn., "Chekhov, his Mind and Matter"; Prof. G. B. Cressey, Syracuse, "Geographical Problems of the Soviet Union"; Prof. N. Arseniev, Montreal, "The Orthodox Church in Russian Culture"; Prof. E. J. Simmons, Col., "Russian Literary Politics since the War"; Dr. J. Genyk-Berezowski, "Taras Shevchenko, the Man, Painter and Poet"; Prof. V. J. Kaye, Ott., "Slavic Cultural Groups in Canada"; Prof. L. Krzyzanowski, Col., "Poland in World Culture"; Dr. L. N. Nagy, "Szechenyi—Hungary's Conservative Reformer"; Prof. M. Florinsky, Col., "Communist Doctrine and Soviet Foreign Policy"; Prof. L. Ignatieff, W. Ont., "Tolstoi and Dostoyevski—Turning Point in Russian Literature"; Prof. O. Odlozilik, Col., "Czechoslovak Literature and Politics prior to the Republic"; Dr. A. C. Parker, "The League of the 6 Nations in North American History"; Dr. D. Rivier, Prin., "Some Aspects of Quantum Field Theory"; Dr. H. C. van de Hulst, "The Effect of Magnetic Fields on Interstellar Material," "Current Problems in Radio Astronomy," "Radio from beyond the Earth"; Dr. H. Borsook, Calif. I.T., "Creatine and Creatinine Metabolism and Some Chemical Applications," "Protein Turnover *in Vivo*," "Protein Turnover *in Vitro* and the Problem of the Mechanism of the Biological Synthesis of Protein"; Sir Charles Harington, "Studies of the Thyroid Gland as an Example of Medical Research"; Prof. A. J. B. Wace, Prin., "Mycenae," "Problems of the Late Bronze Age"; Prof. W.-T. Chan, Dartmouth Coll., "The Religion of the Masses," "The Religion of the Intellectuals"; M. Sullivan, Harvard Coll., Cambridge, "The Recent Excavation of a Chinese Imperial Tomb of the Tenth Century"; H. MacLennan, Montr., "The Hero in Modern Fiction," "The Present Situation of the Canadian Writer"; Prof. F. M. Salter, Alta., "Research in Chaucer: the Work of Manly and Rickert," "John Skelton," "The Miracle Plays of the Chester Cycle"; Prof. R. E. Dickinson, Syracuse, "Field Studies in Italy"; Dr. C. H. Behre, Col., "Geologic Lineaments of Mexico and Its Mineral Deposits"; Prof. H. Hatfield, Col., "Thomas Mann: Myth and Psychology," "Winckelmann and the Greeks"; Prof. H. Sperber, Ohio, "Linguistics To-day—Principles and Problems"; Prof. M. Wehrli, Zürich, "Der 'Tristan' Gottfrieds von Strassburg"; Helen Cam, Harv., "Mediaeval Contributions to Modern Civilization"; Prof. A. H. Clark, Rutgers, "The Rationale of Historical Geography"; Dr. M. Giraud, Collège de France, "Economic Policy in 18th Century France"; Lt.-Col. E. H. V. Hodge, Edin., "Amœbiasis," "Clinical Aspects of Amœbic Dysentery"; Prof. F. Du Val, Georgia, "Singularities of Algebraic Surfaces"; Prof. I. Halperin, Qu., "Complemented Modular Lattices"; Prof. R. M. Thrall, Michigan, "Lattices Defined by Polarities," "A Galois Connection between Algebras and Lattices"; Dr. C. S. Barrett, Chic., "Crystal Imperfections"; Prof. A. Gerschenkron, Harv., "Relation of Theory to Economic History"; Prof. E. C. Hughes, Chic., "The Sociology of Work"; Prof. W. W. Leontief, Harv., "Empirical Application of Economic Theory"; Prof. D. Reisman, Chic., "Communications and Propaganda"; Prof. W. A. Robson, L.S.E., "Administration of British Nationalized Industries"; Dr. P. P. Sveistrup, Copenhagen, "Denmark's Economic Cultural Work in Greenland"; Dr. H. Jeffreys, Harv., "The Structure of the Earth"; Prof. H. L. Johnston, Ohio, "The Approach to Absolute Zero," "Contributions of Low Temperature Research to the Advancement of Science and Technology," "Strange Phenomena Associated with Liquid Helium"; Dr. P. H. Keesom, Purdue, "Properties of Semi-Conductors at Very Low Temperature"; Prof. A. Michels, "Electron Processes in Solids at High Pressures"; Prof. J. L. Synge, "Science

and Commonsense," "The Relativity Theory of A. N. Whitehead"; Dr. O. Klineberg, Col., "Psychological Aspects of International Relations"; Dr. O. Neugebauer, Brown, "70 Years of Research in the History of Mesopotamian Mathematics and Astronomy"; Prof. A. S. Romer, Harv., "Major Steps in Vertebrate History," "The Early Evolution of Fishes," "The Evolution of Land Vertebrates," "The Origin of Mammals"; Prof. C. Stern, Calif., "The Genetic Future of Man," "The Problem of the Genetic Effects of Radiation in Man," "Aspects of Genic Action in *Drosophila*"; Dr. W. R. Thompson, "Second Thoughts on Evolution."

RETIREMENTS. Miss W. G. Barnstead (Library Science); W. Boyd (Pathol.); J. T. Danis (Surg.); W. J. Dunlop (Dir. of Univ. Extension); A. A. Fletcher (Med.); A. R. Hagerman (Med.); R. I. Harris (Surg.); T. Hedman (German); J. Hepburn (Med.); H. A. Hoskin (Dent.); P. V. Jermyn (Engin. Drawing); G. Norwood (Classics); F. J. O'Leary (Obstet. and Gynæcol.); J. W. Ross (Surg.); V. F. Stock (Med.); G. Taylor (Geog.); R. R. Walker (Dent.); H. Wasteneys (Biochem.); D. E. S. Wishart (Otolaryngol.).

RESIGNATIONS. B. D. Bayly (Elect. Engin.); E. S. Goranson (Physiol.); L. Infeld (Maths.); R. B. Kerr (Med.); A. B. LeMesurier (Surg.); B. Mendel (Banting and Best Dept. of Med. Res.); C. A. Rae (Oto-Laryngol.).

DEATHS. Dr. H. J. Cody, Principal W. R. Taylor, Prof. F. S. Hogg, Prof. M. A. Peacock, Emer. Prof. F. B. Kenrick, Emer. Prof. F. Tracy.

HONORARY DEGREES. *LL.D.*—W. T. Brown, Vice-Chancellor and Pres. Emer. of Vict. Univ.; The Most Rev. R. Downey, Archbp. of Liverpool; L. Harris, Canadian artist; R. A. Laidlaw, Chairman of Bd. of Trustees of Hosp. for Sick Children; L. T. Ride, Vice-Chancellor of Hong Kong Univ.; C. R. Sanderson, Chief Librarian, City of Tor. *D.Sc.*—W. P. Thompson, Pres. of Sask. Univ. *D.Litt.*—G. Gélinas, Canadian dramatist.

STUDENTS. Total: 13,129, including 9,518 men and 3611 women.

DEGREES. *D.Sc.*, 1; *D.Litt.*, 1; *M.D.* Class 1901, 13; *Ph.D.*, 67; *M.A.*, 204; *M.Com.*, 43; *M.S.*, 1; *M.A.Sc.*, 80; *C.E.*, 1; *Mech.E.*, 1; *D.Pæd.*, nil; *M.Sc.F.*, 3; *Mus.Doc.*, 3; *M.Sc. (Dent.)*, 1; *D.Jur.*, 1; *M.S.A.*, 21; *M.S.W.*, 23; *M.L.S.*, 1; *B.A.*, 1165; *B.Com.*, 75; *M.D.*, 179; *B.Sc. (Med.)*, 5; *B.A.Sc.*, 733; *B.Arch.*, 54; *B.H.Sc.*, 3; *B.Pæd.*, 43; *B.L.S.*, 68; *B.Sc.F.*, 56; *Mus.Bac.*, 27; *D.D.S.*, 151; *B.Sc. (Dent.)*, 1; *LL.B.*, 30; *B.P.H.E.*, 41; *B.S.W.*, 75; *B.Sc.N.*, 19; *Phm.B.*, 107; *B.S.A.*, 178; *D.V.M.*, 163.

DIPLOMAS AND CERTIFICATES. Art as Applied to Med., 5; Business, 12; Child Study, 7; Clinical Supervision, 1; Dental Nursing, 28; Dental Public Health, 2; Hospital Administration, 33; Institutional Management, 57; Occupational Therapy, 33; Periodontics, 1; Physical Therapy, 14; Psychiatry, 10; Public Health, 27; Public Health Nursing, 6; Radiology, 1; Soc. Work, nil; Veterinary Public Health, 5.

UNIVERSITY OF TRINITY COLLEGE

Founded 1851

(Federated with the University of Toronto)

Postal Address : Queen's Park, Toronto 5, Ont.

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, 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.

Church Music

Rollinson, E., Mus.Bac. Tor.,
F.R.C.O.

Juliet E. Doolittle Lectr.

Ecclesiastical History

Smith, Rev. W. Lyndon, B.A. Tor.
and Oxon., M.A. Tor.

Assoc. Prof.

Short, Rev. H. V. R., B.A.Tor.,
B.D.

History and Philosophy of Re- ligion

Owen, Rev. D. R. G., B.A. Tor.,
M.A. Oxon., M.A., Ph.D. Tor.
Assoc. Prof.

Beare, Rev. F. W., B.A. Tor.,
Ph.D. Chic.

History of Missions

Dixon, Rev. Canon L. A., O.B.E.,
M.A. Tor., D.D. Wycliffe
(Tor.) Hon. Lectr.

Homiletics

Fotheringham, Ven. J. B., B.A.
Lectr.

Liturgics

Smith, Rev. W. Lyndon, B.A. Tor.
and Oxon., M.A. Tor.

Assoc. Prof.

Short, Rev. H. V. R., B.A. Tor., B.D. Lectr.	Cosgrave, Rev. F. H., M.A. Dub., D.C.L. Bishop's, LL.D. Qu., McM., Tor., D.D. Vic. Lectr.
<i>New Testament and New Testa- ment Greek</i>	Newby, Rev. M. T., M.A. Tor. Lectr.
Beare, Rev. F. W., B.A. Tor., Ph.D. Chic. Prof.	de Cantanzaro, Rev. C. J., B.A. K.C.N.S., M.A. Dal., B.D. Lectr.
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.	<i>Pastoral Theology</i>
Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y. Prof.	Feilding, Rev. C. R., B.A. K.C.N.S., S.T.D. G.T.S., N.Y.
Newby, Rev. M. T., M.A. Tor. Lectr.	<i>Systematic Theology</i>
<i>Old Testament, Hebrew and Septuagint Greek</i>	Fairweather, Rev. E. R., B.A. McG., M.A. Tor., Th.D. Un. Th. Sem., N.Y., B.D. Assoc. Prof.
Mercer, Rev. S. A. B., B.A. Harv., M.A. Wis., D.D. Nashotah, Ph.D. Munich Emeritus Prof.	Fotheringham, Ven. J. B., B.A. Lectr.

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. Tutors : Rev. C. J. de Cantanzaro, B.A. K.C.N.S., M.A. Dal.,
B.D. ; Rev. H. V. R. Short, B.A. Tor., B.D.

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 pre-
scribed by that Univ. Instruction is given in the Coll. in all subjects assigned
to the Arts Colls. These include Greek, Latin, Greek and Roman Hist., Ancient
Oriental Hist., Oriental Langs., Engl., German, French, Ethics, and Religious
Knowledge. Instruction in other subjects of the Arts Courses is given by the
Univ. Students of the Coll. receive the degrees of the Univ. of Toronto at the
conclusion of their courses. As a Theological Coll., Trinity maintains its own
Fac. of Divinity and confers degrees.

LIBRARY, 45,683 vols.

RESIDENCE. There are residences for 155 men (fees : \$505) and 99 women
(fees, \$495).

FEEs. Tuition fees are the same as those of the Univ. of Toronto (v. p. 863).
Incidental College fees amount to about \$34.

PUBLICATIONS. *Calendar* (May) ; *Trinity Univ. Review*, 6 times a year.

THE YEAR 1950-51

HONORARY DEGREES. September 1951. *D.D. (honoris causa)*: Rev. J. A. M. Bell, Head Master of Appleby Coll., Oakville, Ont.; Rev. Canon F. W. Collaton, Sec.-Treasurer of Diocese of Algoma; Rev. Canon J. E. Ward, Rector of St. Stephen's Church, Tor. *D.D. (jure dignitatis)*: Very Rev. W. B. Jennings, Dean of Algoma.

STUDENTS IN ARTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2	275
Women	5	237
Total	7	512

DEGREES. B.D., 18; L.Th., 11; S.Th., 2.

VICTORIA UNIVERSITY

Incorporated 1836

(Federated with the University of Toronto)

Postal Address : Queen's Park, Toronto 5, Ont.

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—M. ST. A. WOODSIDE, B.A. Tor., M.A. Oxon.

LIBRARIAN—J. D. ROBINS, M.A. Tor., Ph.D. Chic.

TEACHING STAFF

ARTS (Victoria College)

[See the consolidated list under Toronto, names marked (V.).]

THEOLOGY (Emmanuel College)

Church History

Cousland, Rev. K. H., M.C., M.A.
Oxon., D.D. Montr. Prof.

English Bible

Joblin, Rev. K. J., B.A. Tor.,
B.D. Assoc. Prof.

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 Philo- sophy 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 Tennysonianana (C. C. James's collections), Canadian Church History, Erasmlana.

COURSES. 3 yrs. for Pass B.A. ; 4 yrs. for General Course and Honour Courses ; 3 yrs. for B.D., subsequent to graduation in Arts ; 3 yrs. for Diploma in Theol., subsequent to 3 or 4 yrs. in Arts ; postgraduate courses for Th.M. and Th.D.

RESIDENCE. Victoria Univ. Men's Residences, 89 Charles St. West (261 men) ; Victoria Univ. Women's Residences, 95 Queen's Park Crescent (238 women).

PUBLICATIONS. *Theological Calendar* (May) ; *Bulletin* (June) ; *Acta Victoriana*, a students' monthly.

THE YEAR 1950-51

BENEFACTIONS. \$35,614.

HONORARY DEGREES. *D.D.*—Rev. R. S. Hosking, Sec., Canadian Y.M.C.A. ; Rev. W. A. Hunnisett, Minister in large city mission ; Rev. W. C. Lockhart, Minister, Toronto. *D.Litt.S.*—G. W. Mason, Barrister.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	39	938
Women	38	639
Total	77	1577

Included in the above are 49 postgraduate students and 434 first-year admissions.

DEGREES. *Theology*—Th.D., 3 ; Th.M., 1 ; B.D., 38 ; Diploma, 30 ; *Arts and Commerce*—B.A. or B.Com., 409.

UNIVERSITY OF WESTERN ONTARIO*

Founded 1878

Postal Address: London, Ontario.

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., Ph.D. Tor.

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*—H. R. KINGSTON, M.A., Ph.D. Chic., F.R.A.S.; *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.

1 Instr.

Business Administration

Professors

Thompson, W. A., M.B.A. Harv.
Fox, E. J., Ph.D. Calif.
Bonner, B., Ph.B. Chic., Ph.D. N. Carolina.

Taylor, J. C., B.A.

Hamilton, J. M., B.Com., M.B.A. Harv. Asst. Prof.

2 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.

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., 10 Assts.

Classics

Ralph, J. D., Ph.D. Chic., B.A. Qu. Prof.

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

Pemberton, R. E. K., M.A. Oxon.
Assoc. Prof.

Economic and Polit. Science

Professors

Inman, M. K., B.A. Acad., M.A.,
Ph.D. Harv.

Reilly, E. E., B.S.A. Tor., M.S.
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.

Pleva, E. G., M.A., Ph.D. Minn.

4 Lectrs.

English

Professors

Klinck, C. F., M.A., Ph.D. Col.

Stiling, F., M.A., Ph.D. Mich.

Associate Professor

Mackinnon, M. H. M., M.A.,
Ph.D. Tor.

Assistant Professors

Buckley, G. E., B.A. Mt. All., M.A.
Col.

Conron, A. B., D.S.O., A.M., Ph.D.
Harv.

McRae, J. R. Y., M.A. Tor.

4 Lectrs., 6 Instrs., 2 Assts.

French, Italian and Spanish

Torrens, R. W., A.M. Harv., Ph.D.
Corn. Prof.

Turville, Ada D., Ph.D. Col.
Prof.

Jenkin, H. E., B.A. Lond., L. ès L.
Laval Assoc. Prof.

Collin, W. E., L. ès L. Toulouse,
M.A. Assoc. Prof.

Montgomery, F., D. de l'U. Paris,
M.A. Asst. Prof.

1 Lectr., 3 Instrs.

Geography

Pleva, E. G., M.A., Ph.D. Minn.
Prof.

2 Lectrs., 2 Instrs., 6 Assts.

Geology

Reavely, G. H., M.A. Prof.

Suffel, G. H., Ph.D. Calif.
Assoc. Prof.

1 Lectr., 1 Instr., 2 Assts.

German

Allen, R. A., M.A. Tor., Ph.D.
Chic. Prof.

Kalbfleisch, H. K., M.A. N.Y.
Assoc. Prof.

2 Lectrs., 2 Instrs.

Hebrew

O'Neil, Rev. A. H., M.A., D.D.
Prof.

History

Dorland, A. G., B.A. Qu., M.A.
Yale, Ph.D. Tor., F.R.S.C.

Prof.

Associate Professors

Maine, S. F., B.D. Vict., M.A.,
Ph.D. Chic.

Talman, J. J., M.A., Ph.D. Tor.
Thomas, H. M., M.A., Ph.D. Harv.

Balderston, W., M.A., Ph.D. Corn.
Asst. Prof.

1 Lectr., 1 Asst.

Journalism

McCracken, G. W., B.A. Qu. Prof.

Wild, J. L., B.A. Asst. Prof.

6 Lectrs., 4 Assts.

Law

Carrothers, C. C., B.A., LL.B.
Lectr.

Library Science

2 Lectrs.

Mathematics and Astronomy

Professors

Magee, G. R., M.S., Ph.D. Chic.

Cole, R. H., M.A., Ph.D. Wis.

2 Lectrs., 1 Instr.

Medicine, v. infra

Music

Robb, Harvey, D.D.S. Tor. Prof.

Rosé, A., B.A. Prof.

3 Lectrs.

Philosophy

Johnson, A. H., M.A., Ph.D. Tor. Prof.

Hilliard, A. L., Ph.D. Col. Asst. Prof.

1 Instr., 3 Assts.

Physical Education

Zeigler, E. F., A.M. Yale Dir. and Prof.

Fairs, J. R., B.Sc., M.A. Col. Asst. Prof.

Metras, J. P. Dir. of Athletics.
6 Lectrs., 4 Instrs.

Physics

Misener, A. D., Ph.D. Camb., F.R.S.C. Prof.

Dearle, R. C., M.A., Ph.D. Tor. Research Prof.

Allen, R. L., M.A. Mt. All. Prof.

Durnford, A. M. I. A. W., Ph.D. Tor. Assoc. Prof.

Tull, E. H., M.Sc. Asst. Prof.

4 Lectrs., 2 Instrs., 9 Assts.

Psychology

Liddy, R. B., Ph.D. Tor., LL.D. Mt. All. Prof.

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 Instr., 3 Graduate Assts.

Secretarial Science

Gillespie, Mary, M.A. Col. Prof.
1 Lectr., 1 Instr., 1 Asst.

Slavonic Languages

Ignatieff, L., B.A. McG., M.A. Mich. Assoc. Prof.

Zoology

Brown, A. W. A., M.B.E., B.Sc.F., M.A., Ph.D. Tor. Prof.

Battle, Helen, M.A., Ph.D. Tor. Prof.

Sprules, W. M., Ph.D. Tor. Assoc. Prof.

Judd, W. W., Ph.D. Tor. Asst. Prof.

1 Instr., 3 Assts.

*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.
1 Special Lectr., 4 Instrs.

Bacteriology and Immunology

Murray, R. G. E., M.D., C.M. McG., M.A. Camb. Prof.

Robinow, C. F., M.D. Hamb. Assoc. Prof.

1 Instr.

Biochemistry

Rossiter, R. J., B.Ch., D.M., M.A., D.Phil. Oxon., B.Sc., F.R.I.C. Prof.

Macallum, A. B., Ph.D. Tor., F.R.S.C. Research Prof.

De Luca, H. A., M.A., Ph.D. McG. Assoc. Prof.

1 Special 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.

Director.

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.

2 Lectrs.

Medicine

Professors

Brien, F. S., B.A., M.B. Tor.,
F.R.C.P.Can.

Assistant Professors

Crombie, D. W., M.D., C.M. McG.

Duffy, J. L., M.D., C.M. McG.

Geddes, J. H., M.D.

Lewis, J. A., M.D.

Manning, G. W., M.D., M.A.,
Ph.D. Tor., F.R.C.P.Can.

Sharpe, W. C., M.B. Tor.

6 Assocs., 14 Instrs.

Medicine, Clinical Preventive

Hobbs, G. E., B.A., M.D., D.I.P.

Tor., M.P.H. Mich. Prof.

Anderson, O. W., Ph.D. Mich.

Assoc. Prof.

2 Lectrs., 9 Instrs.

Medicine, Physical

Coffey, T. H., D.P.E., M.D., C.M.
McG. Prof.

McLean, W. J., M.B. Tor.

Assoc. Prof.

1 Instr.

Nursing

McDowell, Edith M., B.Sc., M.A.
Col. Dean.

King, Frances, M.A. Col.

Assoc. Prof.

McLean, Margaret, B.Sc. N., M.A.

Col. Assoc. Prof.

18 Lectrs.

Obstetrics and Gynaecology

Tew, W. P., M.B. Tor., F.R.C.S.

Ed. and Can., F.R.C.O.G.

Prof.

Clegg, F. R., M.D. Assoc. Prof.

3 Sr. Assocs., 1 Instr.

*Ophthalmol., Otol., Rhinol. and
Laryngol.*

McFarlane, D. C., M.D. Prof.

Thompson, C. A., B.A., M.D., C.M.

McG. Asst. Prof.

3 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.

1 Lectr.

Pathology

Fisher, J. H., M.Sc., M.D.,

F.R.C.P.Can. Prof.

Luney, F. W., M.D., D.P.H.

Assoc. Prof.

2 Lectrs., 1 Instr.

Pharmacology

Waud, R. A., Ph.D. Chic., M.D.,

M.Sc. Prof.

Gowdey, C. W., D.Phil. Oxon.,

M.Sc. Asst. Prof.

Physiology

Noble, R. L., M.D. Tor., Ph.D.,

D.Sc. Lond. Prof.

Stavraky, G. N., M.D. Odessa,

M.Sc., M.D., C.M. McG. Prof.

4 Lectrs.

Psychiatry

Stevenson, G. H., M.B. Tor.,
F.R.S.C. Prof.
3 Sr. Assocs., 3 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.
2 Instrs.

Surgery

McLachlin, A. D., M.D., D.Sc.,
D.Phil. Oxon., F.R.C.S. Prof.
Busby, E. D., B.A. McG., M.D.
Harv., F.A.C.S., F.R.C.S. Can.
Prof.
Grace, A. J., M.A., B.M., B.Ch.
Oxon., F.R.C.S. Assoc. Prof.
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.
1 Sr. Assoc., 3 Instrs. (Surgery).

ADMINISTRATIVE AND OTHER STAFF

Dir. of Univ. Health Services, Helen Rossiter, M.B., Ch.B. Edin., D.A.
Lond. Dean of Women, Leola Neal, Ph.D. Tor. Counsellor to Men, T. L.
Hoskin, B.A.

AFFILIATED INSTITUTIONS

ASSUMPTION COLLEGE, Windsor, Ont. Principal, Prof. of Religious Knowledge—Very Rev. J. H. O'Loane, M.A. Col. 58 other Profs. and Instrs. in Arts subjects.

URSULINE COLLEGE, London, Ont. Dean and Prof. of English—Mother Mary St. James, M.A. Qu. 19 other Profs. and Instrs. in Arts subjects.

WATERLOO COLLEGE, Waterloo, Ont. President and Prof. of Religious Knowledge—Rev. H. Lehmann, D.Th. 23 others in Arts Dept.

The above three Colleges give the full 4-yr. Arts Courses.

ST. PETER'S SEMINARY COLLEGE OF ARTS, London, Ont. Rector—Mgr. A. P. Mahoney. 9 other Professors of Arts subjects.

MUSIC TEACHERS' COLLEGE, London, Ont. Director—Harvey Robb.

ALMA COLLEGE, St. Thomas, Ont., is a Junior Coll., giving the first 2 yrs. in Arts only. Principal—Rev. P. S. Dobson, M.A. Oxon., D.D. Wesleyan. 4 other college teachers.

HURON COLLEGE, London, Ont., is a theological coll. Principal, Prof. of Divinity and Hebrew—Rev. A. H. O'Neil, M.A., D.D. Other teachers not on staff of the Univ.: Rev. M. B. Parker, B.D., M.A. Col., Instr. in Greek; Rt. Rev. W. T. T. Hallam, M.A. King's, D.D. Tor., LL.D. Sask., Prof. of Apologetics; Rev. R. K. Harrison, M.Th. Lond., Prof. of Bibl. Greek and N.T.; Rev. T. R. Millman, Ph.D. McG., Lectr. in Church Hist.; Rev. A. H. Crowfoot, M.A. Camb., D.D. Lond., Lectr. in Church Hist.

GENERAL INFORMATION

Incorporated by an Act of the Provincial Legislature in 1878 as the "Western University of London, Ontario," in connexion with the Church of England, the Univ. has become, under the provisions of amending Acts of 1908 and

1923, absolutely undenominational in its government, which is under provincial and municipal control. It consists of 4 Instns., the Coll. of Arts and Sciences (University College), the Medical School, the School of Nursing and the School of Business Administration.

FACULTIES AND SCHOOLS. Arts and Science (Dean—Prof. H. R. Kingston), Medicine (Dean—J. B. Collip), Nursing (Dean—Prof. Edith M. McDowell), Business Administration (Dean—Lloyd W. Sipherd).

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.Sc. ; 3 yrs. of graduate work, Ph.D. ; 6 yrs., M.D. Attendance on part of the classes (other than Med. and Sci.) may be dispensed with by the Senate, but all students must have attended lectures in the Univ. for at least 2 yrs. before they can graduate.

DIPLOMAS AND CERTIFICATES. Diploma in Business Administration ; Diploma in Public Administration ; Diploma of Public Health (D.P.H.) ; Diploma in Music (Pedagogy), 2-yr. course in Music Teachers' Coll. ; Diploma in Home Economics, 2-yr. course ; Certificate of Public Health Nurse (C.P.H.N.) ; Certificate of Instructor in Nursing (C.I.N.) ; courses each 1 yr., for graduates in respective fields.

FEES. Annual : Arts, \$280-\$320 ; Medicine, \$515 ; Nursing, \$320.

The **LIBRARIES** contain c. 200,000 vols. and several thousand pamphlets. The Barnett collection contains many rarities dealing *inter alia* with Canadian and American history. The Shakespeariana number c. 1500 vols. and several thousand pamphlets.

CORRESPONDENCE AND EXTENSION WORK in winter sessions in some General Course subjects, offered mainly for teachers and other adult students, either as credit courses towards degrees or as non-credit cultural courses. No degree can be earned entirely in the Extension and Correspondence Division.

The **SUMMER SCHOOL** has approx. 600 students taking courses for degrees, some in London on the main campus and some at the English-French Summer School at Trois-Pistoles, Quebec.

LABORATORY. The J. B. Collip Res. Lab. 8 **TEACHING HOSPITALS** in London.

STUDENT RESIDENCES. Spencer Hall (for women), Brescia Hall (Ursuline Coll. women), Huron Coll. (Huron Coll. and Univ. Coll. men), fraternity houses and sorority houses for men and women above the freshman level.

The **ALUMNI ASSOCIATION** assumes some responsibility for the placement of graduates. The Counsellor to men students, however, supervises a placement service for summer and for permanent employment.

The **DEPT. OF MILITARY STUDIES** offers training in the University Naval Training Division, or the R.C.A.F., University Reserve Squadron, or the Canadian Officers' Training Corps.

PUBLICATIONS. *Calendar* (May) ; *Report of Institute of Public Health* (May) ; *Medical School Announcement* (Aug.) ; *Commerce Quarterly* ; *Medical Journal* ; *Univ. Gazette*, twice a week during term ; *Occidentalia* (May) ; *Arts and Science: Summary of Admission Requirements, Courses, Fees, Entrance Scholps., etc.* ; *School of Business Admin. Announcement* (May) ; *Fac. of Graduate Studies Announcement* (May).

THE YEAR 1950-51

BENEFACTIONS. Bldg. Fund (sundry donors), \$50,000, bringing total to \$2,350,000; Sch. of Bus. Admin. Fund (sundry donors), \$270,000, bringing total to \$500,000; Ontario Govt. Current Maintenance Grant increased in April 1951, by \$50,000 per annum, to \$550,000 per annum; late Col. J. B. Maclean bequest of \$100,000 for endowment of M. F. Fallon Memorial Chair of Preventive Med.; Grants in aid and contracts from Foundations and outside organizations for res. (actual expenditure), \$395,471 (including National Res. Council, \$96,742, National Cancer Inst., \$57,891, Federal Health Grants, \$55,598, Defence Res. Bd., \$41,913, Life Insurance Med. Res. Fund, \$24,189, Ontario Cancer Treatment and Res. Foundation, \$11,980, Res. Council of Ontario, \$10,693, Sch. of Bus. Admin. Res. Fund, \$6340, U.S. Air Force, \$7743, F. K. Morrow Foundation, \$5296, John and Mary Markle Foundation, \$5207, J. McClary Memorial Fund, \$5172, Federal Dept. of Agric., \$5075).

NEW BUILDINGS. Sch. of Bus. Admin. housed in new premises close to main campus (large residence converted for temporary occupation); residence purchased for conversion to residence for 70 women students; new bldg. of Huron Coll., adjacent to campus, completed, including accomm. for 150 students in residence.

NEW DEPARTMENT. Russian Studies, Univ. Coll.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. F. R. Eccles Memorial Medical Alumni Lectureship, Prof. B. B. Crohn, N.Y.; B. T. McGhie Memorial Lectureship, Prof. W. Freeman, Washington, D.C.; The John A. Macgregor Memorial Lectureship, Prof. P. Cannon, Chic.

RETIREMENTS. Miss Doris Liddicoatt (Engl. Univ. Coll.); Dr. D. W. Crombie (Med.); W. G. Colgrove (Maths. and Astron., Univ. Coll.).

RESIGNATIONS. *Univ. Coll.*—J. I. Jackson (Engl.), apptd. to R.C.A.F.; C. Moore (German and Romance Langs.), completing work for doctorate, Paris; J. Wainwright (Psychol.), to pursue further graduate work; D. Marin (Romance Langs.), apptd. to Dept. of Spanish, Tor. U.; N. L. Nicholson (Geog.), apptd. to Dept. of Mines and Resources, Ottawa; Prof. W. A. D. Dewar (Phys. Health and Recreation Educn.), apptd. Ontario Dealers' Sales Manager, Spartan Co. of Canada; W. M. Sprules (Zool.), apptd. to Fisheries Res. Bd., Ottawa; *Fac. of Med.*—R. L. Noble (Physiol.), relinquished headship of Dept. to devote full time to duties as Assoc. Hd. and Prof., Dept. of Med. Res.

HONORARY DEGREES. *LL.D.*—R. J. Bunche, Nobel Peace Prize winner; Kate S. Matthews, headmistress of local private sch. named after her; Mary A. Noonan, outstanding secondary sch. retired teacher; J. W. Edwards, Principal of outstanding secondary sch.; J. R. Hamilton, Principal of outstanding private secondary sch.; the Most Rev. J. C. Cody, Bishop of London, Ont.; K. Cooper, general manager, Associated Press in U.S. *D.C.L.*—Rt. Hon. L. S. St. Laurent, Prime Minister of Canada. *D.Litt.*—D. K. David, Dean of Sch. of Bus. Admin., Harv.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	675	2284
Women	665	750
Total	1340	3034

Included in the above are 208 postgraduate students and 850 first-year admissions.

DEGREES, DIPLOMAS AND CERTIFICATES. Ph.D., 7 ; M.Sc., 32 ; M.B.A., 5 ; M.A., 13 ; M.D., 61 ; B.A., 624 ; B.Sc., 55 ; B.Sc. L.A., 5 ; B.Sc.N., 17 ; B.D., 2 ; Dipl. in Business Admin., 44 ; Dipl. in Home Econ., 1 ; Dipl. in Music, 25 ; Certif. in Pub. Health Nursing, 14 ; Certif. Instructor in Nursing, 22.

AUSTRALIA

UNIVERSITY OF ADELAIDE (p. 899)
AUSTRALIAN NATIONAL UNIVERSITY (p. 911)
UNIVERSITY OF MELBOURNE (p. 916)
NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY (p. 934)
UNIVERSITY OF QUEENSLAND (p. 940)
UNIVERSITY OF SYDNEY (p. 950)
NEW ENGLAND UNIVERSITY COLLEGE (p. 968)
UNIVERSITY OF TASMANIA (p. 972)
UNIVERSITY OF WESTERN AUSTRALIA (p. 977)
CANBERRA UNIVERSITY COLLEGE (p. 984)

THE UNIVERSITIES OF AUSTRALIA

GENERAL DESCRIPTION

[Revised in 1931 and 1936 by Professor J. T. Wilson, M.A., LL.D., M.B., Ch.M., F.R.S., and further revised in 1939, 1947, 1949, 1950, 1951 and 1952 by the Australian Vice-Chancellors' Committee.]

EACH State of the Commonwealth of Australia possesses a University of the conventional type in its capital city. In addition, there are the Australian National University located at Canberra and the N.S.W. University of Technology in Sydney. There are also University Colleges at Armidale, N.S.W., Canberra, A.C.T., and Newcastle, N.S.W. The Colleges at Armidale and Newcastle are branches of the University of Sydney and the N.S.W. University of Technology respectively, while that at Canberra is associated with the University of Melbourne, which acts as the examining body. Generally speaking, the Australian Universities are widely separated, those at Brisbane and Perth, for example, being effectively not less than 3000 miles apart ; while visits to even the nearest sister University often involve a long journey.

Nevertheless these Universities, apart from the Australian National University and the New South Wales University of Technology, of which more will be said later, form a relatively homogeneous group owing to their general similarity of origin and constitution and to their relationship to the communities which they serve. All of them owe their establishment to Acts of the State Legislatures carried through in response to popular demands. They are not, however, "State Universities" in the American sense, but, like the British Universities generally, are, by statute and Royal Charter, self-governing academic corporations.

Underlying this general uniformity of type, there are not a few individual differences and variations. These may be attributed to several factors. Differences in dates of foundation (1850-1949) necessarily determine more or less the stage and degree of academic development actually reached ; also, the academic ideas current at different foundation periods have undoubtedly impressed themselves on the academic structure and development of both older and younger Universities. Further, another obviously important differentiating factor has been that of inequality of material resources available, both from private endowment and from State subsidy—the latter being naturally dependent in large measure on the extent of the population of the State concerned.

An Act passed in 1946 by the Parliament of the Commonwealth made provision for the establishment of the Australian National University at Canberra, particularly to provide facilities for research and postgraduate studies. The Act provides specifically for the establishment within the University of the John Curtin School of Medical

Research, a Research School of Physical Sciences, a Research School of Social Sciences and a Research School of Pacific Studies. Considerable progress has now been made in the development of this organization though some delay has been occasioned by present building difficulties. With the exception of the Departments of Experimental Pathology and Medical Chemistry, which are located in London, all the Departments of the University are at work in Canberra.

The year 1949 marked the inauguration of the N.S.W. University of Technology, which aims to provide for training and research in technological fields and to aid by research the application of science to industry.

RESIDENTIAL COLLEGES. The founders of the first Australian Universities would appear to have been influenced, to some considerable extent, by the conception of a University which is embodied in the ancient residential foundations of Oxford and Cambridge. Doubtless this was due in part to the fact that they were contemplating Universities which were to serve the large, and comparatively thinly populated, areas of the several Australian Colonies (long before the date of their federation as States of a Commonwealth). In these early Australian Universities, the general system of University education was on lines similar to those of the modern English Universities, and conformed to the official policy of secular education; but provision was made at the outset for residential colleges, which were—as in Oxford and Cambridge—conceived as religious foundations. The circumstances of time and place made it inevitable that such religious foundations should be entrusted to the Churches of the leading Christian denominations, namely: Church of England, Presbyterian, Methodist and Roman Catholic.

In the case of the first two Universities, those of Sydney (1850) and of Melbourne (1853), substantial areas were set apart, within the lands reserved for University purposes, and offered as sites to the four Churches named, for the founding of residential colleges. In due course the following colleges were so founded, with governing bodies appointed by the several Churches: Sydney—St. Paul's (1854), St. John's (1857), St. Andrew's (1867), Wesley (1910); Melbourne—Trinity (1872), Ormond (1879), Queen's (1888), Newman (1916). Not long after the founding of colleges for women at Oxford and Cambridge, provision for residence of women students was made as follows: Sydney—the Women's College (1892), not a Church foundation, Sancta Sophia (1929), originating (in 1925) as a hall of residence associated with St. John's College; Melbourne—University Women's College (1937), again not a Church foundation, preceded by halls of residence, namely, Janet Clarke Hall (1886) and St. Mary's Hall (1916), associated respectively with Trinity and Newman Colleges.

What a "College"—"within the University of Sydney" or "of and within the University of Melbourne" (to quote the official descriptions)—should connote, in the circumstances of these Universities and Colleges, was a new and very difficult problem. Because of a variety of exceptional factors, the furthest advance towards a solution of this

problem has been made in the Colleges of the University of Melbourne—with a well-established College tutorial system, a large membership of non-resident College students, a liberal system of resident scholarships and non-resident exhibitions, and a considerable measure of organic relationship to the Faculties, and to the governing body, of the University. In the University of Sydney, where circumstances were, at the earlier stages, not so favourable for such a development, the College system has a place of parallel importance—with certain characteristic differences.

In the Universities of all the other States, there are Colleges at different stages of development. In the University of Queensland (founded 1910), where provisions were laid down by statute for residence of all students (including recognition of the residence of a student in his own home), the following Colleges were founded: Emmanuel (1912), St. John's (1912), King's (1912), the Women's College (1914—not a Church foundation), St. Leo's (1917), Duchesne (1936). And, on the new site for this University, at St. Lucia, land is being set apart for these Colleges. In the University of Adelaide, St. Mark's College (1925) is an Anglican foundation; St. Ann's College, an undenominational college for women, was affiliated with the University in 1939, and opened for the residence of students in 1947; Aquinas College, a college for men, under the auspices of the Roman Catholic Church, was opened in 1950; and Lincoln College, a College for men, under the aegis of the Methodist Church, was opened in 1952. St. George's (1931) in the University of Western Australia, and Christ College (1933) in the University of Tasmania, are Anglican foundations. Jane Franklin Hall, a hall of residence for women, founded in 1950 by the Council of Churches, was affiliated to the University of Tasmania in 1952. Attached to the University of Western Australia is also a University hostel, the Women's section of which is known as the Women's College and will form the nucleus of a permanent institution. Approval has been given by the Senate for the establishment of Newman College, under the auspices of the Roman Catholic Church.

In order to understand the place which the College system occupies in the Australian Universities, it should be remembered that, while membership of a College implies membership of the University to which the College belongs, membership of the University does not necessarily imply membership of any of its Colleges. College tutorials are, therefore, supplementary to the teaching which the University provides for all its students (whether members of a College or not) and, in consequence, vary considerably from University to University. There is also considerable variation in the scale of College fees.

The Canberra University College provides a limited amount of accommodation for students at "Gungahlin," a hall of residence for men. Unlike the residential colleges familiar in Australian Universities, "Gungahlin" is not an affiliated institution, but an integral part of the College, governed by the Council. Tutorial assistance is not provided for residents.

The New England University College also provides accommodation for most of its students, who are drawn chiefly from the northern part of N.S.W. Unless their homes are in Armidale, students attending

the College must take up residence. Owing to the high proportion of students in residence and to its location, New England University College has developed a strong corporate spirit.

University House at the Australian National University will provide accommodation facilities for graduate students and also up-to-date club facilities for members of the University. Residence in University House will be compulsory for all single students and for married students not accompanied by their wives.

The Colleges in all the Universities are open to all students of good standing, without distinction of religious belief.

THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY. An Act to incorporate the N.S.W. University of Technology was passed by the New South Wales Parliament in April 1949. The objects of the University are to provide facilities for higher specialized training in the various branches of technology and science in their application to industry and commerce and to aid by research the development and application of science to industry. With these objects in view courses provide for extensive practical experience in industry under the supervision of the University. However, in order that graduates will not be handicapped by too narrow a specialization, there are in all faculties courses in language, literature, human relations and contemporary civilization.

CONSTITUTION OF UNIVERSITIES. A. Governing bodies. In their statutory constitution the governing bodies of all the Australian Universities (except the New South Wales University of Technology, *see* below) present a generally similar composite character, whilst differing in the proportions of the component elements. Their membership varies in number from 18 to 31. In every case there is a substantial proportion of representatives elected by the general body of graduates, varying from one-third to more than one-half of the total membership, but only in Adelaide does it form the preponderant element. In every University there is now a more or less direct representation of the State on the governing body, either by nomination by the Governor-in-Council or by election by the Houses of Parliament, and in two cases by *ex officio* representation of the State Department of Education. In the more recently founded Universities the representation of the State Government is strong; in one instance it is equal to the academic, and in another it is even slightly preponderant.

The academic representative element invariably includes representatives of the teaching staff. In Sydney, Melbourne, New South Wales University of Technology, Tasmania and Western Australia, they are represented by independent statutory right. Elsewhere they are elected as part of the general representation of the academic body by the graduates. Their number is usually limited to three.

The Melbourne University Act of 1923 introduced certain novel provisions, namely, that the Government nominees shall include representatives not only of Parliament but of manufacturing, commercial, agricultural and industrial interests, as well as a representative of the

technical schools; it also provided that two Heads of Colleges and two elected representatives of the undergraduate body shall have seats on the governing body.

In Sydney there is one elected representative of the undergraduate body who has a seat on the governing body.

In Western Australia the Senate has granted to the representative of the Guild of Undergraduates and to the Warden of Convocation the right to attend Senate meetings and to speak in the Senate, without, however, the right to vote as a member of that body.

The Australian National University Act, 1946, provides for the election as members of Council of three representatives of the teaching and professorial staff and for two representatives of the students.

The Tasmania University Act, 1951, provides that the Chairman of the Professorial Board shall be an *ex officio* member; two other members of the teaching staff are elected by that body. The Council may recommend two persons for appointment by the Governor.

The Council of the New South Wales University of Technology differs somewhat from the governing bodies of the other Universities as there is only one representative elected by graduates of the University. The Council is representative of Parliament, industry and commerce, trade unions, technical education, professional bodies, the University of Sydney, and of the University's teaching staff, graduates and undergraduates.

The governing body in the Australian Universities is designated either the "Senate" (Syd., Queens., W. Aust.) or "Council" (Melb., Adel., Tas., N.S.W. Univ. of Technol., Australian National Univ. and the Canberra Univ. Coll.).

B. Graduate academic body. As in the British Universities generally, there is in each of the Australian Universities, with the exception of the New South Wales University of Technology, another statutory academic body, consisting in the main, though not in all cases exclusively, of the general body of graduates (usually of at least three years' standing). In Queensland the Governor-in-Council may appoint as members of this body one representative of "any commercial, industrial, scientific, professional, or educational society, institution, or association within Queensland."

In those Universities in which the governing body is entitled "Senate" the graduate body is called either Convocation or Council. Where the governing body is styled "Council" the graduate body is usually called Senate, but in Melbourne (since 1923) and at the Australian National University it is known as Convocation.

Whilst the main effective function of this body is its electoral choice of its own representatives on the governing body, it has also, in several Universities, powers (often exercised through a Standing Committee) of deliberation, approval and confirmation in respect of matters submitted to it and in some instances of suggestion, but in no case of initiation of University legislation.

C. Other administrative bodies. The general routine of studies and discipline is usually controlled by a "Professorial Board," whilst the special curricula of studies are the immediate concern of the Faculties

and special Boards of Studies. Matters of discipline are in one or two instances dealt with by a special Proctorial Board or Board of Discipline.

ADMISSION. 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 Nov. or Dec. It is subdivided into Terms, usually three, which may, or may not, include special examination periods. The Universities of Melbourne and Tasmania and the Canberra University College have each four Terms, but the fourth Term in these cases is devoted to examinations.

The New South Wales University of Technology provides a number of courses which operate for two terms only each year—March to Sept. During the remaining five months of the year, students gain practical experience in industry under the supervision of the University.

Although the inclusive dates of the terminal periods show some discrepancy in the different Universities, arrangements have been made to secure the coincidence of a substantial part of the inter-term vacations.

PERIODS OF STUDY. The University requires not less than 3 yrs.' study for a B.A. or B.Sc.—in most cases, 4 yrs. if taken with Honours. The curriculum for the first degree in Medicine covers 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.

FEES AND COST OF LIVING. The cost of living varies a good deal in different parts of Australia. A student will probably not notice much difference between Sydney and Melbourne in this respect. But anywhere he will find that £450 a year gives him quite sufficient means, for the climate is benign and good food is plentiful. The style of living everywhere is unostentatious. Board and lodging should not cost more than £4 : 10s. a week. Meals at the cost of 3s. to 5s. can generally be obtained at the University by members of "Unions" and others. Sydney University Union has a Refectory seating 450, and one-half of it is open to all members of the University and their guests. Adelaide University has a Refectory seating 400, and Melbourne has a Union building containing dining-rooms seating upwards of 700. Western Australia has at present accommodation in its dining-rooms for about 200. A developed Union at an Australian University also provides all the comforts of a non-residential Club for a membership fee ranging from £1 to £3 : 13 : 6 a year. In Adelaide there is a compulsory fee of 5 gs. a year, which covers membership of the Union, Sports Association and the Health Service. The Union House at the University of Mel-

bourne has many social and cultural amenities, including a theatre, art gallery, and private entertainment rooms. Rowing, football, cricket and other games may be had in the Sports Clubs on correspondingly easy terms, and numerous Intervarsity contests are held in vacations under the auspices of the Australian Universities' Sports Union.

Residence at a College is optional, except at New England University College. College fees, which are entirely separate from University fees, are on an inclusive basis for residence and tutorial assistance, and range from £65 to £170 per annum. Thus Wesley College, Sydney, charges £56 a term for resident students; Ormond, Melbourne, from 135 to 145 gs. a year for residence during terms, according to the course being taken. St. John's, Queensland, has fees of £21 per term, and the rates at the other Queensland Colleges are practically the same. In Adelaide the fees at St. Mark's and Lincoln College are £180, while fees at Aquinas College are £145 and at St. Ann's College, £150. The University of Western Australia has, since the war, a hostel with accommodation for 140 at a weekly charge of £3 : 15s. At the New England University College full board and lodging is provided for £88 for the academic year (27 weeks). Special arrangements can always be made for residence during vacations, an additional charge then being made. Many men live in College on a total income of not much more than £350 a year. There are few rich students and no tradition of expensive living among College men, no charming but costly ancient customs. Many of the Colleges have liberal endowments for Scholarships and Bursaries.

For University fees, *see under* the several Universities below.

CURRICULA AND COURSES OF UNIVERSITY STUDIES. In general it may be said that the character and range of studies in the Australian Universities correspond fairly well with those of British Universities of comparable size and organization. There is, however, one notable exception: in accordance with the exclusively secular character of the Universities of Australia a Faculty of Theology is lacking in all of them, and until 1936 no degrees in Divinity were obtainable in any Australian University, although under special Acts of Parliament they may be given by other institutions, such as the Melbourne College of Divinity. In the case of the University of Sydney amending legislation passed in 1936 removed the exception of degrees in Divinity and Theology and the University has now courses leading to the degree of Bachelor of Divinity and may confer the degree of Doctor of Divinity. More or less associated with this situation is the paucity of courses of study in Semitic languages or literature, a Professorship for which, however, exists in Melbourne. There is a chair of Oriental Studies (at present vacant) at Sydney. At Sydney Hebrew is available in the regular curriculum and Russian is provided through the Extension Board. (A certain amount of teaching in Semitic languages is provided in Theological schools maintained by some of the religious denominations.) There is an Institute of Modern Languages at the Queensland University which provides courses up to Senior (School Leaving) Examination standard. The courses available in 1936 were Chinese, Dutch,

French, German, Hebrew and Italian. For the benefit of theological students Biblical Literature became an optional subject of the Faculty of Arts from the beginning of 1938. The University of Melbourne includes Dutch, Hebrew, Russian and Arabic in its regular curriculum. A School of Oriental Studies has been established at Canberra University College and a Professor of Oriental Studies is to be appointed to act as head of the School. At the outset Chinese and Japanese will be taught, and the teaching of Russian will be placed within the School.

Subdivision of University studies into groups, under Faculties and Boards of Studies, has been carried further than is usually the case in British Universities. There has thus been a considerable accession of new Faculties beyond those traditionally recognized. The general principle has been largely, though not consistently, adopted that any definite and distinct curriculum, leading up to the award of a distinctive degree or degrees, warrants the creation of a separate and distinct Faculty as a Board for the regulation of the studies and examinations in such a curriculum.

Concurrently with this development there has been a marked tendency to the specialization and multiplication of distinctive degrees, so that in some cases we find that even within the limits of a single Faculty several distinctive degrees are obtainable along more or less differentiated lines of study. A conspicuous instance of this is seen in the Faculty of Engineering in Melbourne, in which no fewer than eleven different degrees may be awarded as Bachelors and Masters of different branches of Engineering—Civil, Mechanical, Electrical, Mining and Metallurgical Master of Engineering Science—besides a Doctorate of Engineering. As many as thirteen different Faculties are found among the various Universities, with a maximum number in Melbourne of twelve. In Sydney there are ten Faculties and in Adelaide nine. The establishment of Faculties of Education and Architecture in 1949 brought the number in Queensland up to eleven.

Each University possesses Faculties of Arts, Science, Law and Engineering, except in the case of the New South Wales University of Technology, which at its present stage of development has Faculties of Engineering, Applied Science, and Architecture only, and the Australian National University, which is in a special position. All except Tasmania have Schools or Faculties of Agriculture. Sydney and Queensland have Schools of Veterinary Science organized as separate Faculties. The course in Veterinary Science is at present suspended in the University of Melbourne, and students desiring to qualify for a degree must proceed to Sydney after the completion of their first year. Western Australia teaches Veterinary Science as part of the Agricultural course, but students desiring to obtain a degree in Veterinary Science must proceed to Sydney after completing a special first year in the Faculty of Science. In N.S.W. the law requires such qualifications as practically involve the Univ. curriculum in Veterinary Science.

The subject of Economics is represented by separate Professorships in each University and at the Canberra University College. 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 Melbourne and Queensland there is a degree of Bachelor of Commerce, while the specialized degree in Adelaide and Sydney is Bachelor of Economics. The Faculty of Commerce in Tasmania offers both degrees, Bachelor of Commerce and Bachelor of Economics. In all the Universities (including Western Australia), however, Economics is ordinarily included also as a subject which may be taken for an Arts degree.

In Sydney, Melbourne, Queensland and the N.S.W. University of Technology there are fully organized Faculties of Architecture, with Chairs in the subject. At Adelaide there is a special course in Architecture within the Faculty of Engineering leading to the degree of Bachelor of Engineering. In Melbourne 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 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. In the other Universities the subject of Education comes under the Faculty of Arts and enters into the composition of such alternative curricula for the Arts degrees as are specially adapted to the requirements of the professional training of teachers. Sydney now grants a degree of Master of Education which may be awarded to graduates in other faculties of not less than three years' standing who present a satisfactory thesis and pass an examination dealing with advanced work in education. The Professors of Education are usually, but not always, associated with the State Training Colleges. Special Diplomas in Education are obtainable in the Universities of Sydney, Adelaide and Queensland by University graduates.

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.

Several of the Universities provide courses in Social Studies leading to a Diploma.

Canberra University College conducts courses in Commerce and Economics, Arts and Law ; students comply with entrance conditions of the University of Melbourne, take the examinations and obtain the Degrees of that University. The College has Chairs of Economic History, Economics, English, History, Oriental Languages and Political Science, and a number of other departments, each in charge of senior lecturers. In addition, a School of Diplomatic Studies is conducted, and the course in this School is intended for the training of persons who have been appointed as cadets in the Department of External Affairs. A graduate of an approved University, who is not a cadet, may be admitted to the course after consultation with the Department of External Affairs. Information regarding the School of Oriental Languages is given on page 892.

The New England University College conducts courses in the main Arts and Science Departments, in many cases to Honours standard. First-year courses for Sydney degrees in Medicine, Veterinary Science, Agriculture and Forestry are available, while students may do the first-year Pharmacy course. Graduate students may take the course for the Diploma in Education.

The Universities of Melbourne (1946), Sydney (1948), Western Australia (1948), Adelaide (1949) and Queensland (1950), have recently established the degree of Doctor of Philosophy, for which graduates of certain standing are eligible upon the successful completion of a full-time course, generally of two years' advanced study and research in the University. In the case of the University of Sydney, a candidate for the Ph.D. degree must complete a full-time course of three years if he holds an Honours Bachelor's Degree ; two years if he holds a Master's degree. The University of Tasmania now provides a course for the degree of Doctor of Philosophy to graduates in Science and Engineering only, and some other Universities have similar Faculty limitations. The question of providing for the degree of Doctor of Philosophy is also under consideration in some other Universities.

PROFESSIONAL SCHOOLS AND RESEARCH INSTITUTES. Each of the three older Universities, of Sydney, Melbourne and Adelaide, possesses well organized and equipped professional schools under their Faculties of Medicine and Dentistry. These schools have long been, and are now, mainly responsible for the training of the medical and dental professions in Australia, whilst not a few of their graduates may be found occupying responsible positions outside Australia. The teaching and research staffs of these schools are also now largely recruited from the ranks of their own more distinguished graduates, but they are continually being reinforced by other teachers of distinction from outside Australia. Faculties of Dentistry and Medicine were established in Queensland in 1935 and 1936 respectively, while in Western Australia a Faculty of Dental Science commenced in 1946 and the establishment of a medical school is under consideration.

The relationship of the Medical Schools to the great general hospitals

is intimate and effective. The Universities of Sydney and Melbourne appoint Clinical Supervisors to each of the Teaching Hospitals to co-ordinate the clinical training of students. There is thus secured an extensive and varied clinical field, not only for undergraduate training, but in increasing measure for more advanced and specialized post-graduate study and research in conjunction with the scientific laboratories of the Universities and other research institutions. Such post-graduate work in various departments of specialized study now finds manifold guidance, and receives full official recognition, in connexion with the Diplomas awarded after appropriate courses of study. Amongst these may be specified the Diplomas in Psychological Medicine, Dermatological Medicine, Clinical Pathology and Radiology at the University of Sydney and the Australian Diplomas in Public Health, Tropical Medicine and Hygiene and Tropical Hygiene from the School of Public Health and Tropical Medicine in the University of Sydney, and more or less corresponding courses in the University of Melbourne, both these Universities also granting Diplomas in Ophthalmology, Laryngology and Otology, in Gynæcology and Obstetrics, in Therapeutic and Diagnostic Radiology, in Psychological Medicine and in Anæsthesia.

A Biophysics Section was established in Queensland in 1937 to manufacture radon and to carry out other work in connexion with the treatment of cancer. In Adelaide, the Anti-Cancer Campaign Committee maintains a radium and deep X-ray clinic at the Royal Adelaide Hospital, and a plant at the University for the production and manipulation of radon. Under an arrangement with the University of Melbourne the Commonwealth Government maintains there an X-ray and Radium Research Laboratory. 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 research problems which is financed by the Cancer Research Committee set up by the Senate.

The University of Adelaide established in 1925 the Waite Agricultural Research Institute, an important centre for research in agricultural and allied subjects at Glen Osmond, four miles from the city.

The University of Western Australia established in 1938 an Institute of Agriculture, which serves as a centre for research in agricultural science, and has set aside a portion of the University grounds for investigational purposes, with accommodation for plant and animal experiments.

There are various University and associated Research Institutes in Adelaide, Melbourne and Sydney, where investigation is carried on into problems of Pathology, Bacteriology, Pharmacology, Radiotherapy, Cancer Research, Animal Nutrition, Entomology, etc.

A strong stimulus for research developments within the Universities has been provided by Commonwealth Grants for research, by State Government support and by the Universities' own endowments for the purpose. The Commonwealth Research Grants, which were initiated in 1936 to assist research and the training of research workers in various groups of sciences, including the physical, biological, social and medical

fields, were discontinued in 1950, but Universities may now allocate funds for research from the general block grants made by the Commonwealth Government. (*See* Commonwealth Government Financial Assistance, p. 898.)

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 and Town and Regional Planning. The present tendency is to reduce the number of sub-graduate Diploma courses while extending the range of postgraduate Diplomas.

EVENING LECTURES. Full University courses of evening lectures in Arts, and in some cases in Science, Commerce and Law subjects, are provided by the Universities of Adelaide, Melbourne, Sydney, Queensland and Western Australia and by Canberra University College to enable a degree in those Faculties to be obtained by persons whose occupations preclude their attendance at the University during the day. In Tasmania and Canberra a number of lectures are given between 5 P.M. and 8 P.M. In Queensland the evening classes, generally of one-hour duration, are held between 8 P.M. and 9 P.M. At the New England University College the timetable between 4 P.M. and 6 P.M. is so arranged that teachers and others employed in Armidale or district may undertake courses leading to the B.A. degree. From the beginning of 1951 the N.S.W. University of Technology assumed responsibility for the provision of 20 Diploma courses in Engineering, Applied Science and Architecture, which were previously provided by the N.S.W. 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.

EXTERNAL STUDENTS. Under the Regulations of the Universities of Melbourne and Queensland, attendance at lectures is not compulsory except in specified subjects. (These naturally include most scientific subjects which require laboratory facilities.) It is therefore possible, though not common, to obtain an Arts degree as a purely external student. In Western Australia correspondence classes for external students are carried on in most Arts subjects, 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. Only in special circumstances is external tuition permitted outside a State. Queensland University does provide some external tuition for students in Australian territories outside the Australian continent and external correspondence tuition has been provided by different Universities to members of the British Commonwealth Occupation Forces in Japan.

In the Universities of Adelaide, Sydney and Tasmania exemption from some of the lectures of a course may be granted in special cases in which reasonable cause is shown.

In all the Universities there is provision for the recognition, for degree purposes, of various courses of instruction in affiliated institutions such as Technical Schools and Colleges.

UNIVERSITY EXTENSION LECTURES were instituted at Sydney Univ. in 1886 and at Melbourne in 1891. In 1913 Workers' Educational Associations were formed in all the States, except in Western Australia, to give effect to a movement for bringing the Univs. into closer relationship with the masses of the people. The movement was fostered by State grants and grew rapidly. Each Univ. (except Melbourne) co-operates with the W.E.A. in the formation of a joint committee, which appoints tutors and supervises the work with the help of a Univ. officer—the Director of Tutorial Classes. The total number of students throughout Australia is over 6000. In addition to these courses, a great many preparatory classes, study circles, and summer schools are organized by the Assocn., numerous courses of public lectures are delivered, educational conferences promoted and an extensive book service is carried on. In Victoria, adult education is the responsibility of a statutory Council of Adult Education working in liaison with an Extension Committee in the University. A correspondence study department has been inaugurated in connexion with the W.E.A. activities in Queensland. In Western Australia extension classes are conducted at the University, in the city and suburbs, with an Adult Education library, books from which are available to groups in country areas. Western Australia has no W.E.A. organization, and the work is under the control of an Adult Education Board representative of University and other interests acting under the University Senate. At the New England University College the Senior Staff Tutor in charge of Tutorial Studies organizes adult education classes and activities in centres widely scattered over the New England region.

OVERSEAS SCHOLARSHIPS. Scholarships or grants-in-aid for study overseas are awarded by individual Universities and by such bodies as the British Council, Carnegie Corporation, Nuffield Foundation, Gowrie Trust and the United States Educational Foundation in

Australia. These scholarships enable selected students to extend their studies in the postgraduate field and are a valuable link between the Universities of Australia and those of England and the U.S.A. *See also* Appendix II.

COMMONWEALTH GOVERNMENT FINANCIAL ASSISTANCE. Early in 1950 it became apparent that the Universities were in need of additional finance and 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 the 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 £803,000 to £1,103,000 p.a.

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 present headquarters of the Committee, now known as the Australian Vice-Chancellors' Committee, are in the Australian National University of Canberra. Professor S. H. Roberts, Vice-Chancellor of the University of Sydney, is the present Chairman of the Committee. The Committee meets at least twice a year, usually in March and Aug., or more frequently should occasion demand. The Secretary is Mr. A. J. T. Ford.

As the result of a conference held in 1942 between representatives of the Universities and of the Commonwealth Government, a Universities Commission was set up by the Government and has now become a permanent official organization. The Commission operates within the general function of the Commonwealth Office of Education and is responsible for the training at University level of ex-servicemen under the Commonwealth Reconstruction Training Scheme and for co-ordination of policy for the recently inaugurated Commonwealth Scholarship Scheme. The Director of the Commonwealth Office of Education is the Chairman of the Commission, which has regular conferences with the Vice-Chancellors' Committee. The Commission has its head office at Grace Building, York St., Sydney (*postal address*: Box 3879 G.P.O., Sydney), and branch offices in each State (except Tasmania).

STATISTICS of University teachers, students and finance are published annually in the official Year-Book by the Commonwealth Bureau of Census and Statistics, from which a more detailed bulletin in typescript form may be obtained.

THE UNIVERSITY OF ADELAIDE *

Founded 1874

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VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—The Hon. Sir MELLIS NAPIER, K.C.M.G., LL.B.

VICE-CHANCELLOR—A. P. ROWE, C.B.E., B.Sc. Lond.

REGISTRAR—A. W. BAMPTON.

ASSISTANT REGISTRAR—V. A. EDGELOE, B.A.

LIBRARIAN—W. A. COWAN, M.A. N.Z., B.A. Lond.

TEACHING STAFF

Agriculture, v. Waite Agric.
Research Inst., *infra*

Anatomy, v. also Med.

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.
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 Founda-
tion, *infra*

Bacteriology

..... Prof.
Atkinson, Nancy, O.B.E., M.Sc.
Melb. Reader-in-Charge.
Foster, Helen L., B.Sc.

Actg. Lectr.
Collins, F. M., M.Sc. Asst. Lectr.
Loutit, J. S., B.Sc.
Jr. Res. Fellow.

*Biochemistry and General Physi-
ology*

Mitchell, M. L., M.Sc. Camb. Prof.
Nossal, P., M.Sc. Syd., Ph.D.
Sheff. Sr. Lectr.
Peirce, A. W., D.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.
Eardley, Constance M., M.Sc.
Systematic Botanist.
McCarthy, Doreen F., B.A., B.Sc.
(Biol.) Pt.-time Lectr.
Robinson, Mary, M.Sc. Sr. Demr.
Cruickshank, Donella H., M.Sc.
Sr. Res. Fellow.

Chemistry

Macbeth, A. K., C.M.G., M.A.
St. And., D.Sc. Belf., F.R.I.C.
Angas Prof.

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

- Reader.
 Badger, G. M., Ph.D. Lond., D.Sc. Reader.
 Glas.
 Jellinek, H. H. G., Ph.D. Lond. Sr. Lectr.
 and Camb.
 Rodda, H. J., Ph.D. Camb., M.Sc. Sr. Lectr.
 Winzor, F. L., D.Sc. Lectr.
 Lectr.
 West, B. O., B.Sc. Lectr.
 Urwin, J. R., B.Sc. Lectr.
 Eberhard, S. T., B.Sc. Pt.-time Lectr.
 Mills, J. A., M.Sc. Sr. Res. Fellow.
 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. (Comm. Studies) Reader.
 Lecturers
 Painter, E. W., A.U.A., F.C.A. Aust. (Accountancy).
 Duffield, G. L., A.U.A. (Accountancy).
 Pascoe, R. F. (Cost Accountancy).
 Palmer, E. W., LL.B. (Coml. Law).
 Scarfe, E. B., LL.B. (Coml. Law).
 Daymond, L. B., B.Com. Tas., F.C.I.S. (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., B.Ec. Lectr.
 Bailey, A. P., M.Ec. Pt.-time Lectr.
Education
 Penny, H. H., Ph.D. Lond., M.A. Lectr.
 4 other 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. Lectr.
 Pawsey, D. C., B.E.E. Melb. Lectr.
 Forte, W. G., B.E. Pt.-time 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. Lectr.

English Lang. and Literature

Jeffares, A. N., M.A. Dub., D.Phil.
Oxon. Jury Prof.

Piper, H. W., B.A. Oxon. Reader.

Lecturers

Elliott, B. R., M.A. W.Aust.

Muecke, D. C., B.A. Oxon.

Experimental Medicine

..... Keith Sheridan Prof.

French

Cornell, J. G., M.A. Melb.,
L. ès L. Paris Prof.

Crampton, Mary H. St. 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

..... Prof.

Glaessner, M. F., Ph.D. Vienna,
D.Sc. Melb. Reader.

Kleeman, A. W., M.Sc. Sr. Lectr.
Lectr.

Hossfeld, P. S., M.Sc.
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.

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.

..... Reader.

Lecturers

Chamberlain, R. R. St. C., Q.C.,
LL.B. (Criminal L.).

Pickering, A. L., LL.B. (Evidence
and Procedure).

Whittington, L. A., LL.B. (Com-
panies, Partnership, Bank-
ruptcy and Divorce).

Stevens, E. L., LL.B. (Equity and
Conveyancing).

Wells, W. A. N., B.A., B.C.L.
Oxon., LL.B. (Private Inter-
national L.).

Phillips, E., Q.C., LL.B. (Mercan-
tile L.).

Bray, J. J., LL.D. (Jurisprudence,
including Roman L.).

Moulden, A. M., LL.B. (Legal
Ethics).

Mathematical Physics

Green, H. S., Ph.D. Lond., D.Sc.
Edin. Prof.

Messel, H., B.A., B.Sc. Qu., Ph.D.
Dub. Sr. Lectr.

Mathematics

Sanders, H. W., M.A. Camb.
Elder Prof.

Statton, J. W., B.Sc. Reader.

Senior Lecturers

Gray, M. C., B.Sc.

Szekeres, G., Dip.Chem.Eng. Buda-
pest.

Rennie, B. C., Ph.D. Camb.

Lecturer

Potts, R. B., D.Phil. Oxon., B.Sc.

Part-time Lecturers

Capon, R. S., O.B.E., B.A.
Cornish, E. A., D.Sc. (Stats.).

.....

*Medicine, v. infra**Mining, Metallurgical and
Chemical Engineering*

Spooner, E. C. R., D.Phil. Oxon.,
D.Sc. Tas. Prof.
Morgan, J. P., B.Sc. (Eng.) (Min-
ing Engin.) Reader.
Tait, R. W. F., Ph.D. Birm.
(Chem. Engin.) Sr. Lectr.

*Music, v. also p. 904—Elder
Conservatorium of Music*

Bishop, J. Elder Prof.

Lecturers

Horner, J. A., F.R.C.O.
Parsons, H. S., Mus.Bac.

Pathology

Robertson, J. S., M.B., B.S. Syd.,
D.Phil. Oxon. Marks Prof.
Barter, R. A., M.B., B.S.
Sr. Lectr.

Lecturers

Reid, R. T. W., M.B., B.S.
Topliss, J. G., M.B., B.S.

.....

*Pharmacy**Lecturers*

Lipsham, E. F.
Bowey, A. E., A.U.A.
Walter, O. H., F.C.A. Aust. (For.
and Com. Pharm.)
Pt.-time Lectr.

Philosophy

Smart, J. J. C., M.A. Glas., B.Phil.
Oxon. Hughes Prof.
Finnis, M. M. S., B.A. Sr. Lectr.

Lecturers

Place, U. T., M.A., Dip. Anthrop.
Oxon. (Psychol.).

.....

Physical Education

Apps, B. F. G., B.A., Dip.Ed.,
D.P.E. Melb.

Sr. Lectr.-in-charge.

Barwell, Elizabeth M. Lectr.

Physics

Huxley, L. G. H., M.A., D.Phil.
Oxon. Elder Prof.
Burdon, R. S., D.Sc., F.I.P.
Reader.

Senior Lecturers

Fuller, G. R., B.Sc.
Tomlin, S. G., Ph.D. Lond.

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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. Bio-
chemistry**Physiology, Human, and Phar-
macology*

Hicks, Sir C. Stanton, M.Sc. N.Z.,
Ph.D. Camb., M.D., F.R.I.C.
Prof.
Lippay, F., M.D., D.Jur. Vienna,
D.Sc. Reader.
Kerr, D. I. B., B.Sc. Lectr.

Physiotherapy

Casely, Elma Lectr.-in-charge.
4 Pt.-time Lectrs. and 3 Pt.-time
Demrs.

Social Science

Wheaton, Mrs. Amy G., M.B.E.,
B.Sc. (Econ.) Lond., M.A.
Lectr.-in-charge.
MacIennan, Flora J. Asst. Lectr.

Zoology

- Rogers, W. P., M.Sc. W.Aust.,
Ph.D. Lond. Prof.
Thomas, I. M., M.Sc. Wales
Sr. 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.)

- Campbell, T. D., D.Sc., D.D.Sc.
Dir.
Eustace, J. L., B.D.S. Sr. Tutor.
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).
Moore, A. P. R., D.D.Sc. (D. Surg.
and Pathol.).
Maddern, C. B., D.D.Sc. (Dental
Public Health and Services).
Marshman, W. M., B.D.S.
(Children's D.).

Instructors

- Rice, J. D., M.B., B.S. (Anæsthetics).
Cran, J. A., B.D.Sc. Q'ld. (Radiography).

Crown and Bridge Work

- Joyner, M. S., B.D.S. Lectr.
2 Demrs.

D. Anatomy

- Campbell, T. D., D.Sc., D.D.Sc.
Lectr.
1 Demr.

Operative D.

- Lawrence, G. O., D.D.Sc.
Lectr. and Instr.
10 Tutors and 1 Demr.

Orthodontics

- Begg, P. R., D.D.Sc.
Lectr. and Demr.

Periodontics

- Evans, M. W., D.D.Sc. Lectr.
1 Demr.

Prosthetic D.

- Barrett, M. J., M.D.S. Reader.
Edwards, H. T. J., D.D.Sc. Lectr.
4 Tutors and 3 Demrs.

Medicine

(See also Anat., Bacteriol., Biochem., Bot., Chem., Exper. Med., Pathol., Physics,
Physiol. and Zool.)

Division of Medical Studies

- Hetzel, K. S., M.D., F.R.C.P.,
F.R.A.C.P. Dir.

Lecturers

- Beare, F. H., M.D., D.P.M. (Med.).
Hone, F. R., B.Sc., M.D. (Med.).
McLaughlin, E., M.B., B.S. (Med.).
Southwood, H. M., M.D. (Psych. Med.).
Woodruff, P. S., M.D. Melb.,
D.T.M. & H. Syd. (Pulmonary Tuberculosis).
Grant, R. L. T., M.B., B.S.,
F.R.A.C.P. (Med. Dis. of Children).
Colton, R. S., M.B., B.S.
Full-time Asst. to Dir.
Angove, R. C., M.B., B.S.
Pt.-time Asst to Dir.
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.

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. (Ophthal. Surg.),
F.R.A.C.S. 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).

Tutor

McCoy, H. A., M.B., B.S. Syd.,
D.M.R.E. Camb. (Radiol.).

6 Tutors in Surgery.

Goode, P. C. R., M.B., B.S.
Full-time Asst. to Dir.
..... Pt.-time Asst. to Dir.

Gynæcology

Swift, B. H., M.D. Camb., F.R.C.S.
Ed. 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. Lectr.

McQueen, G. H., M.B., B.S. Melb.,
D.P.H., D.T.M. Syd. Demr.

Clinical Teachers

The Staffs of the Royal Adelaide
and of the Children's Hospls.

**Animal Products Research
Foundation**

Marston, H. R., F.R.S.
Chairman, Advisory Bd.
Dawbarn, Mary C., M.Sc.
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.
Heitman, J. S., 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**Art of Speech**

Johnston, F.
Lewis, Enid.

**Aural Culture and Musical
Appreciation**

Holder, Alison, Mus.Bac.

Bassoon

Good, J. G.

Clarinet

Martin, C.
Blaylock, A.
Clews, J. C. H.

Drama

Lewis, Enid.

**Ensemble Playing and Orchestral
Class**

Parsons, H. S., Mus.Bac.
Davies, L.
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

O'Connell, R.

Pearce, G.

Horner, J. A., F.R.C.O.

Wylde, H., F.R.C.O.

Leske, C.

Singing

Williams, C. Q.

Gill, Hilda B., A.U.A.

Howard, Barbara.

Violin

Davies, L.

Gmeiner, Clarice, A.U.A.

Violoncello

Parsons, H. S., Mus.Bac.

**Waite Agricultural Research
Institute**Prescott, J. A., C.B.E., D.Sc.,
F.R.S. 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

Trumble, H. C., D.Sc. Waite Prof.

..... Sr. Agronomist.

Bond, W. E., B.A., Dip. Agric.

Camb. Mortlock Res. Fellow.

Agronomists

Black, J. N., M.A., D.Phil. Oxon.

Symon, D. E., B.Ag.Sc.

Millington, R. J., M.Sc. Syd.

Temporary Agronomists

Bathe, D. R., M.Sc. N.Z.

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.

Genetics

Catcheside, D. G., M.A. Camb.,

D.Sc. Lond., F.R.S. Prof.

Pugsley, A. T., M.Sc.

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.

Holloway, B. W., B.Sc. (on leave).

Plant Physiology

Milthorpe, F. L., Ph.D. Lond.,

M.Sc.Agr. Syd.

Sr. Plant Physiologist.

Plant Physiologists

May, L. H., B.Sc.

Marinos, N. G., B.A., B.Sc.

Systematic Botanist

Robertson, Enid L., B.Sc.

Statistician

Mathison, Irena, M.Phil. Cracow.

ADMINISTRATIVE AND OTHER STAFF

Academic Sec. : H. E. Wesley Smith, Dip.Ed. Oxon., B.A. Accountant : W. L. Burke, B.A., B.Ec. Syd. Asst. Accountant : E. S. Wyett. Sec. of Boards of Public Examns. : H. R. Othams, B.A. Chief Clerk : D. W. Wallis. Sec. of Waite Agricultural Res. Inst. : G. L. Gooden. Warden of Union : F. T. Borland, M.A. Melb., Dip.Ed. Edin.

ASSOCIATED OR AFFILIATED INSTITUTIONS

ST. MARK'S COLLEGE [residential], Pennington Terrace, North Adelaide, S.A. (*Telephone* : Adelaide M. 9211.) Under management of Church of England, but open to men of all denominations. Opened for students in March 1925. Master—A. Grenfell Price, C.M.G., D.Litt., Dip. in 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—F. Mary Harding, M.A. N.Z., Ph.D. Edin.

AQUINAS COLLEGE [residential], Montefiore Hill, North Adelaide. (*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. C. P. Finn, M.A., Dip.Ed. Melb.

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. (*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 £20,000 each from Sir W. W. Hughes and Sir Thomas Elder, a land grant of 50,000 acres (subsequently repurchased by the govt. for £40,000), a site of 5 acres in the city, and an annual govt. subsidy of 5 per cent. on endowments. The original site was increased to 8 acres in

1920, to 14 acres in 1927, and in 1929 to 27 acres. The govt. subsidy on endowments is limited to £40,000. The Council consists of the Chancellor, the Vice-Chancellor, 20 members elected by the Senate and (since 1911) 5 elected by Parliament. State grants (apart from the subsidy on endowments) for annual running costs have been increased from time to time and amounted in 1951 to £228,558, excluding an amount of £45,000 for the Waite Agric. Res. Inst. The total value of the endowments is over £1½ million, and the income in 1951 was £519,836.

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, established in 1898, is part of the Univ., and provides tuition in a wide range of studies in the performance of music. Its students include not only those proceeding to the Univ. diploma but also many others who wish to study a principal subject (e.g. singing or pianoforte) or to undergo training in group work such as orchestral and operatic performances and who satisfy the Dir. of their fitness to be admitted.

The WAITE AGRICULTURAL RESEARCH INSTITUTE was established in 1924 as a result of a gift by the late Mr. Peter Waite of an estate of 299 acres, a mansion-house, and a trust fund of £58,450. Subsequent endowments and govt. grants have expanded the work of the Inst., the annual expenditure of which in 1951 was £95,117. 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, *supra*. (4) Board for Anthropological Res. on the aboriginals of S. Australia. (5) The Anti-Cancer Cttee. directs res. into the cause, treatment and cure of cancer.

COLLECTIONS OF INTEREST TO SPECIALIST SCHOLARS. Collection of Australian endoparasites. Prof. J. B. Cleland's collection of the higher Australian fungi (Basidiomycetes), by far the largest of its kind, is available for study by mycologists and forest pathologists. Collection of representative specimens from all the Australian opal fields. Anthropological collection of Australian skeletons. Collections of marsupial material. Herbarium of Australian plants.

FACULTIES. Agric. Science, Arts, Dent., Econ., Engin., Law, Med., Music, Science.

BOARDS OF STUDIES. Physical Educn.; Social Science; Pharmacy; Physiotherapy.

ADMISSION. *See* Appendix I.

DEGREES. Obtainable after 3 yrs.' course, B.A., B.Sc., B.Ec.; 4 yrs.', B.E., B.Ag.Sc., Mus.Bac.; 5 yrs.', LL.B., B.D.S.; 6 yrs.', M.B., B.S.; and B.Med.Sc. for additional work in a basic medical sci.

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., M.Ag.Sc., M.Ec., M.E., LL.M., M.D.S.; 3 yrs.', M.D., M.S., D.D.Sc., Mus.Doc.; 4 yrs.', D.Sc., LL.D., D.Litt.; and Ph.D. for res. within the Univ.

DIPLOMAS. Pharmacy, 4 yrs.' course ; Pre-Primary, Primary and Secondary Education, each 1 yr. after graduation ; Music, 3 yrs. ; Physical Education, 3 yrs. ; Social Science, 3 yrs. ; Physiotherapy, 3 yrs.

Fellowship of the Elder Conservatorium of Music for eminence as a performer of music.

A " Final Certificate in Law " for admission as a practitioner in the Supreme Court is obtainable by articulated clerks on a curriculum less extensive than that for the LL.B.

Apart from the 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., £1 : 1s. ; *ad eundem statum*, £2 : 2s. ; Admission to Degrees :— B.A., M.A., B.Ec., M.Ec., B.Sc., M.Sc., B.Ag.Sc., B.Med.Sc., Mus.Bac., M.D.S., M.E., LL.M., LL.D., M.D., M.S., D.D.Sc., Mus.Doc., D.Sc., D.Litt., LL.B., B.E., £5 : 5s. ; Ph.D., £7 : 7s. ; Diplomas in Educn., Pub. Admin., Commerce, Music, Physical Educn., Social Science, Physiotherapy, Pharmacy, £2 : 2s. ; F.E.C.M., £5 : 5s. ; Degree courses in Arts about £75 ; Economics about £75 ; Sci. about £135 ; Engin. about £170 ; Law about £130 ; Medical, £240 (excluding Hospl., £65, and incidentals, £50) ; Dental, £250 (plus incidentals, £35) ; Music, £70 ; Tuition Conservatorium, £16 : 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 Commerce, S. Australian students may, in special circumstances, be exempted from attendance at lectures.

ADULT EDUCATION. The Joint Cttee. of the Univ. and the W.E.A. conducts an extensive range of lecture, tutorial and discussion classes and study circles for adults in the metropolitan area of Adelaide. Tutor-in-Charge : E. G. Biaggini, D.Litt.

APPOINTMENTS BOARD. The Univ. maintains a small appointments service for the benefit of jr. graduates. Sec. : 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 £5 : 5s. covers membership of both the Union and the Sports Assoc.). The Union controls the refectory and maintains the Health Service. Sec. of the Union and of the Sports Assoc., K. T. Hamilton.

The GRADUATES UNION is a constituent member of the Univ. Union. Hon. Sec., F. H. Johnson, M.A. Oxon.

RESIDENCE. St. Mark's College (accommodates about 100 men), fee for residence during term about £180 p.a. St. Ann's (about 50 women), fee for residence during term about £150 p.a. Aquinas (about 50 men), fee for residence during term about £145 p.a. Lincoln (about 40 men), fee for residence during term about £180 p.a.

PUBLICATIONS. *Calendar* (April), 7s. 6d.; *Public Examinations Manual* (April), 5s.; *Degree and Diploma Examination Papers*, 4s.; *Regulations*, 2s.; *Syllabuses and Timetables*, 2s.; *Australian Journal of Experimental Biology and Medical Science*, two-monthly, £2 (Aust.) p.a.; *Joseph Fisher Lecture in Commerce*, free. Student Publications. *On Dit* (fortnightly), 1d.; *Phoenix* (annually), 1s.; *Science Journal* (annually), 2s.; *Engineering Journal* (annually), 2s.

THE YEAR 1951

BENEFACTIONS. R. C. Baker, £5000 for scholp. in law, in memory of his father, the late Sir Richard C. Baker, and of his brother, the late J. R. Baker; the late Jessie F. Raven, £2450 to establish Gavin David Young Lectures (Philos.); Mrs. Guli Magarey, £1000 for 2 scholps. in music; late A. J. N. P. Campbell, £500 for prize in Biochem., in memory of C. and J. Campbell; Miss Amylis I. Laffer, £400 for prize in Hist., in memory of Miss Natalia Davies, grad. in Arts of Univ.

NEW BUILDING. New Geol. bldg. substantially completed and occupied at beginning of 1952.

REGULATIONS. Curriculum for degree of B.Econ. substantially revised; new courses provided in German, Hist. and Pol. Sci., Philos., Psychol. and Geog.

ADULT EDUCATION WORK. Jt. cttee. for tutorial classes held 13 tutorial classes, 19 lecture classes and Art exhibitions at 6 country towns.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. L. J. Russell, Birm., "The Meaning of Life"; Dr. J. E. Burchard, M.I.T., "Modern Art as a Reflection of Modern Society"; M. Stewart, Leeds, "The Pneumoconioses" and "Tumours"; Prof. R. A. Macintosh, Oxon., "Anaesthetic Methods used in Research and Resuscitation"; Prof. L. Dods, Syd., "Some Aspects of Pædiatric Endocrinology" and "Pre-natal Pædiatrics"; Prof. D. M. Dunlop, Edin., "Anti-Histamine Drugs," "Changing Fashions in Medicine" and "Thio-uracil"; N. Mansergh, Royal Inst. of Internat. Affairs; Sir Richard Livingstone, Oxon.; Prof. G. G. Simpson, American Museum of Natural Hist.; Prof. T. Dobzhansky, Col.; Prof. C. H. Waddington, Edin.; Prof. W. A. Mackintosh, Queen's, Ont.; Dr. J. B. Conant, Harv.; Prof. D. R. Hartree, Camb.; Prof. J. L. Montrose, Belf.; Prof. E. C. Dodds, Lond.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. The Univ. was represented at the quinquenary celebrations of Glasgow Univ. by Prof. A. K. Macbeth. Prof. J. G. Cornell; Dr. H. H. G. Jellinek; Dr. A. D. Packer; Prof. E. C. R. Spooner; D. C. Swan; Prof. E. O. Willoughby.

RETIREMENTS. Prof. D. N. Smith (Engl. Lang. and Lit.) ; Dr. C. E. Fenner (Geog., 21 yrs.).

RESIGNATIONS. Dr. W. F. Joynt (Obstet.), to take up private practice ; R. G. Opie (Econ.), to assume his Rhodes Scholp. at Oxford ; A. M. Smith (Econ.), apptd. Res. Economist in Central Bank of Ceylon ; Miss S. J. McLean (Bacteriol.), to pursue postgrad. study abroad ; P. F. Butler (Agron.) ; B. Downs (Mech. Engin.), apptd. Sr. Lectr.-in-Charge of Mech. Engin. in Univ. of W. Aust.

DEATHS. Prof. T. H. Johnston (Prof. of Zool. for 29 yrs.) ; Prof. R. C. Robin (Prof. of Civil Engin. since 1939) ; D. B. Adam (Hd. of Dept. of Plant Pathol. since 1934) ; Sir Arthur Cudmore (former lectr. and member of Council) ; Dr. F. S. Hone (former member of Council for 29 yrs. and Chairman of Anti-Cancer Cttee. since 1939) ; J. M. Black (Hon. Lectr. in Systematic Bot. since 1927) ; Dr. E. A. Johnson (benefactor of Univ. over some 30 yrs.).

HONORARY DEGREES CONFERRED. *D.Litt.*—Prof. D. N. Smith, former Prof. of Engl. Lit. at Oxon. *D.Sc.*—Dr. J. B. Conant, Pres. of Harv. Univ. *M.D.*—Sir Edward Mellanby, former Sec. of Med. Res. Council of Gt. Britain. *LL.D.*—Sir Raymond Evershed, Master of the Rolls ; the Rt. Hon. Thibaudeau Rinfret, Chief Justice of Canada.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1668	1494
Women	742	441
Total	2410	1935

Included in the above are 390 postgraduate students and 900 first-year admissions (of which 529 enrolled with a view to proceeding to a Univ. degree or dipl.).

DEGREES AND DIPLOMAS. *Degrees* : M.Ag.Sc., 1 ; B.Ag.Sc., 18 ; D.Litt., 1 ; M.A., 7 ; B.A., 41 ; B.D.S., 29 ; M.Ec., 1 ; B.Ec., 18 ; B.E., 68 ; LL.B., 24 ; M.D., 5 ; M.S., 1 ; M.B., B.S., 75 ; D.Sc., 3 ; M.Sc., 16 ; B.Sc., 99 ; Ph.D., 5. *Diplomas* : Arts and Education, 63 ; Commerce, 26 ; Education, 20 ; Final Certificate in Law, 1 ; Music, 5 ; Pharmacy, 35 ; Physical Education, 4 ; Physiotherapy, 15 ; Public Administration, 3 ; Social Science, 14.

THE AUSTRALIAN NATIONAL UNIVERSITY *

Founded 1946

Postal Address : Box 4, G.P.O., Canberra, A.C.T.

Cables and Telegrams : Natuniv, Canberra.

Telephone : Canberra 593.

Administrative Office in the United Kingdom :

27 Russell Square, London, W.C.1.

Cables and Telegrams : Natuniv, London. *Telephone* : Langham 4871.

CHANCELLOR—The Rt. Hon. THE VISCOUNT BRUCE OF MELBOURNE,
C.H., M.C., C.G., B.A., Hon. LL.D. Camb., F.R.S.

VICE-CHANCELLOR—Prof. Sir DOUGLAS B. COPLAND, K.B.E., C.M.G.,
M.A., D.Sc. N.Z., Litt.D. Melb., Q'ld. and Harv., LL.D. McG.

DIRECTOR, RESEARCH SCHOOL OF PHYSICAL SCIENCES—Prof. M. L. E.
OLIPHANT, B.Sc. Adel., M.A., Ph.D. Camb., LL.D. St. And., D.Sc.
Melb., Tor., Belf., 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.

Phillips, D. M. P., B.Sc., Ph.D.
Lond. Res. Fellow.

Kratzing, C. C., M.Sc. Syd.
Res. Fellow.

Collins, F. D., Ph.D. Liv., M.Sc.
N.Z., F.R.I.C. Res. Fellow.

Experimental Pathology

Watson, G. M., M.B., B.S. Adel.,
D.Phil. Oxon. (working in
Radcliffe Infirmary, Oxford)
Res. Fellow.

Mackanness, G. B., M.B., B.S. Syd.
Res. Fellow.

Medical Chemistry

(This Dept. at present located
at the Wellcome Research In-
stitution, London.)

Albert, A., B.Sc. Syd., Ph.D.
Lond. Prof.

Fellow

Brown, D. J., M.Sc. Syd., Ph.D.
Lond.

Microbiology

Fenner, F. J., M.B.E., M.D., B.S.
Adel., D.T.M. Syd. Prof.

Fazekas de St. Groth, S.N.E.E.,
M.B., Ch.B. Budapest, Sc.M.
Sorbonne Sr. Res. Fellow.

Joklik, W. K., M.Sc. Syd.
Res. Fellow.

Physiology

Eccles, J. C., M.B., B.S. Melb., M.A.,
D.Phil. Oxon., F.R.A.C.P.,
F.R.S. Prof.

Coombs, J. S., M.Sc. N.Z. Fellow.
Fatt, P., B.A. Calif., Ph.D. Lond.
Res. Fellow.

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

RESEARCH SCHOOL OF PHYSICAL SCIENCES

- Oliphant, M. L. E., B.Sc. Adel., M.A., Ph.D. Camb., LL.D. St. And., D.Sc. Melb., Tor., Belf., Birm. and N.S.W.U.T., F.I.P., F.R.S. Dir. and Prof.
- Joplin, Germaine A., B.A., D.Sc. Syd., D.Phil. Camb. Fellow.
- Research Fellows*
- Barker, F. C., M.Sc. Melb.
- Berry Smith, W., B.Sc. Adel., Ph.D. Birm.
- Blamey, J. W., M.Sc. Melb.
- Hibbard, L. U., B.Sc., B.E. Syd.
- Inall, E. K., B.Sc., B.E. Syd.
- Richards, J. R., M.Sc. Melb.
- Treacy, P. B., M.Sc. Syd.
- de Vaucouleurs, G., L. ès Sc., D.U.P.
- Titterton, E. W., Ph.D. Birm. (Phys.) Prof.
- Woolley, R. v. d. R., M.Sc. Cape T., M.A., Ph.D. Camb. (Astron.) Hon. Prof.
- Jaeger, J. C., D.Sc. Syd., M.A. Camb. (Geophys.) Prof.
- Wilson, R. S., Ph.D. Liv. Fellow.

RESEARCH SCHOOL OF SOCIAL SCIENCES

- Economics*
- Swan, T. W., B.Ec. Syd. Prof.
- Brown, H. P., B.A. Melb. (E. Stats.) Reader.
- Butlin, N. G., B.Ec. Syd. Sr. Res. Fellow.
- Cheek, B. M., M.A. Adel. Res. Fellow.
- Hall, A. R., B.Ec. Syd., Ph.D. Lond. Res. Fellow.
- History*
- Fitzhardinge, L. F., B.A. Syd., M.A. Oxon. (Sources of Aust. Hist.) Reader.
- Borrie, W. D., M.A. N.Z. (Demog.) Reader.
- Gollan, R. A., M.A. Syd., Ph.D. Lond. Res. Fellow.
- MacKirdy, K. A., M.A. Br. Col. Res. Fellow.
- McArthur, Norma R., B.A. Melb., Ph.D. Lond. Res. Fellow.
- Price, C. A., B.A. Adel. Res. Fellow.
- Law*
- Sawyer, G., LL.M. Melb. Prof.
- Political Science*
- Webb, L. C., M.A. N.Z. Reader.
- Chapman, R. McD., M.A. N.Z. Res. Fellow.
- Rolph, W. K., B.A. Tor., Ph.D. Brown Res. Fellow.
- 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. Prof.
- Stanner, W. E. H., M.A. Syd., Ph.D. Lond. (Compar. Social Institutions) Reader.
- Research Fellows*
- Belshaw, C. S., M.A. N.Z., Ph.D. Lond.
- Penny, R. E. C., B.A. Melb.
- Read, K. E., M.A. Syd., Ph.D. Lond.

Geography

Spate, O. H. K., D.Phil. Camb.

Prof.

Jennings, J. N., M.A. Camb.

Reader.

King, H. W. H., M.A. Syd.

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.

Res. Fellow.

Pacific History

Davidson, J. W., M.A. N.Z.,

Ph.D. Camb. Prof.

Fitzgerald, C. P. (Far Eastern
Hist.) Reader.

Ackroyd, Joyce, B.A. Syd., Ph.D.

Camb. Res. Fellow.

Gilson, R. P., M.A. S. Calif.

Res. Fellow.

West, F. J., B.A. Leeds, Ph.D.

Lond. Res. Fellow.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: M. Brown, LL.B. Melb. Asst. Registrar: D. K. R. Hodgkin, B.Sc. (Econ.) Lond. Accountant: W. S. Hamilton. Staff Architect: Labs. Manager (Med. Sch.): A. F. Bunker. Labs. 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 has now been constituted, consists of not more than thirty members, including the Vice-Chancellor, four members elected by Parliament, up to eight appointed by the Governor-General, up to nine elected by Convocation, three elected by the academic staff and two by students. Under the founding Act, the primary function of the Univ. is to encourage and provide facilities for postgraduate research, both generally and in relation to subjects of national importance to Australia. As was contemplated by the Act, the Univ.'s activities are in the first instance concentrated on the establishment of four Research Schools—the John Curtin School of Medical Research (named after Australia's wartime Prime Minister), and Research Schools of Physical Sciences, Social Sciences and Pacific Studies—the development of other Schools and the offering of undergraduate courses having been indefinitely deferred.

It is intended that each School should be led by a Director, but the responsibility for the organization of the work of particular Depts. within the Schools will rest with their professorial heads. In addition to the Directors and Professors, the staff comprises permanent Readers and Fellows, and short-term Sr. Research Fellows and Research Fellows. The Univ. is seeking to provide members of staff with the most favourable feasible conditions for the advanced prosecution of research. They will have their whole time available for research, their teaching and administrative duties being of a quite minor kind. They will have opportunity to move about among their colleagues in Australia. Professors will be at liberty to take a yr.'s study leave with full salary after each 3 yrs. of service, Readers after each 5 yrs. of service and a Fellow after each 6 yrs. of service.

All Depts. of Res. Schools, except those of Med. Chem. and Exper. Pathol., 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.

The Univ. receives a statutory grant and additional funds are voted annually by the Commonwealth Parliament for bldgs., etc.

Each Dept. of the Res. Schools accepts a very small number of graduate res. students of first-class calibre, the general minimum entrance qualification being a Master's degree or its equivalent in a University of sr. standing. (*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 I.L.D. for distinguished work in appropriate fields published by persons with a real connexion with the Univ.

ANNUAL FEE: £A52 : 10s. (covers all charges except board and residence).

Single students are normally required to live in University House (*see infra*), and married students within easy access of the Univ. precincts.

From 1948 to 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 £A575-£A750 p.a.

The Univ. from time to time issues invitations to distinguished sr. scholars to visit Australia, conducting discussions with interested people not only in Canberra but in the other Australian Univs.

The Library, which was assembled in Melbourne and brought to Canberra late in 1950, now comprises some 80,000 bound vols. and 25,000 periodicals.

The sr. academic body of the Univ. is the Board of Graduate Studies, which consists in general of the Dirs. and Profs. The Board assists the Council by tendering advice on all questions affecting education, learning and research in the Univ. There is also a Faculty (in the English sense) within each of the Res. Schools.

Convocation will eventually consist mainly of the Council and graduates of the Univ., but at the outset the opportunity was taken to add to it the Chancellor and Vice-Chancellor and five other representatives of each other Australian Univ. institution.

The Univ. site consists of 204 acres of well-situated land in the Canberra suburb of Acton. The first permanent bldg. to be erected is the lab. of the Res. Sch. of Physical Sciences. University House, which will provide collegiate accomm. for about 100 single staff members and graduate students, and form a social centre and fac. club for the Univ., is well advanced and is being brought into partial use. The labs. for the John Curtin School of Medical Res. are at an early stage of bldg., and bldgs. for the other two schools, the Library and ancillary services are being planned. Housing is a major problem in Canberra and in the present difficult situation the Univ. has undertaken some responsibility for finding living accomm. for the members of its staff. Flats and houses are being built.

The Univ. has not as yet published a *Calendar*; enquiries should be made of the Registrar. A news bulletin describing the Univ.'s development is issued gratis every few weeks, and will be supplied on request.

THE YEAR 1951

The res. Schools with the exception of the John Curtin Sch. of Med. Res. commenced work in Canberra. The permanent Council took over from the Interim Council in June. Res. Scholars working in Canberra instead of at overseas Univs. as formerly. Plans formulated and construction commenced of temporary bldgs. to house the John Curtin Sch. of Med. Res. pending construction of the permanent bldgs. Bldg. of University House and Res. Sch. of Phys. Scis. continued. First students admitted.

VISITING SCHOLARS. Prof. W. A. Mackintosh, Vice-Principal, Queen's Univ., Ont. (Jubilee Federalism Seminar); Prof. J. L. Montrose (Law), Univ. of Belfast (Jubilee Federalism Seminar); Sir Edward Mellanby, F.R.S., formerly Sec., British Med. Res. Council (Jubilee Science Seminar); Prof. N. Mansergh (British Commonwealth Relations), Royal Inst. of International Affairs ("British Commonwealth with special reference to security problems in the Atlantic Area and in the Pacific and Indian Oceans Areas"); Sir Richard Livingstone, formerly Vice-Chancellor, Univ. of Oxford ("English and American Education").

STUDENTS. Men, 3; Women, 1; Total, 4. All were full-time postgraduate research students.

UNIVERSITY OF MELBOURNE*

Founded and incorporated 1853

Postal Address : Carlton, N.3, Victoria.

Telephone : Melbourne, F. 0484.

VISITOR—H.E. THE GOVERNOR OF VICTORIA, Sir DALLAS BROOKS,
K.C.B., C.M.G., D.S.O.

CHANCELLOR—Hon. Sir CHARLES JOHN LOWE, M.A., LL.B.

DEPUTY-CHANCELLOR—Sir JOHN NEWMAN MORRIS, C.M.G., M.B., B.S.

VICE-CHANCELLOR—Professor GEORGE WHITECROSS PATON, B.A.,
B.C.L. Oxon., M.A.

REGISTRAR—F. H. JOHNSTON, B.A., B.Com., J.P.

DEAN OF GRADUATE STUDIES—J. S. ROGERS, M.C., B.A., D.Sc., Dip.Ed.,
F.I.P.

ACCOUNTANT—R. P. TEMBY.

ASSISTANT REGISTRAR—A. J. G. WILLIAMS, B.Arch.

ACADEMIC SECRETARY—J. C. WOODHOUSE, B.A. Syd.

LIBRARIAN—LEIGH SCOTT, M.A.

TEACHING STAFF

Accountancy, v. Com.

Agriculture, v. also Bot.

Wadham, S. M., M.A. Camb. and
Melb., Agr.Dip. Camb. Prof.

Leeper, G. W., M.Sc. (Agr. Chem.)
Assoc. Prof.

Senior Lecturers

Vasey, G. H., B.C.E. (Agric.
Engin.).

Robinson, T. J., M.Sc. (Agric.) W.
Aust., Ph.D. Camb. (Physiol.
of Domestic Animals).

Hird, F. J. R., Ph.D. Camb.,
M.Agr.Sc. (Ag. Biochem.).

Aitken, Yvonne, M.Agr.Sc. Lectr.
8 Lectrs. (Pt.-time Officers).

Anatomy

Sunderland, S., M.D., B.S., D.Sc.,
F.R.A.C.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. (Em-
bryol. and Histol.).

Merrillees, N. C. R., M.B., B.S.
(Embryol. and Histol.).

Lecturer

Marshall, R. D., M.B., B.S.

2 Pt.-time Officers.

Anthropology

Thomson, D. F. F., O.B.E., Ph.D.,
Dip. Anthropol. 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.

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

Senior Lecturers

Featherstone, R. E., Dip.Arch.
Des.

Grounds, R. B., F.R.A.I.A.

Berg, R., Dip.Arch.Des.

W a u g h, 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.

Lecturer

Good, Eileen M. F., Dip.Arch.

Evening Staff: Atelier Lec-
turers

Ward, D. C., F.R.A.I.A.

Gherardin, W.

Perrott, L. M.

Part-time

11 Lectrs., 2 Demrs.

Bacteriology, v. Med.*Biochemistry*

Trikojus, V. M., B.Sc., D.Phil.
Oxon., M.Sc. Prof.

Rawlinson, W. A., M.Sc. Assoc. Prof.

Legge, J. W., M.Sc. Sr. Lectr.

Hird, F. J. R., Ph.D. Camb.,
M.Agr. Sc. Sr. Lectr.

Crabtree, Muriel G., M.Sc. Lectr.

Cahn, Mrs. Audrey J., B.Agr.Sc.,
Dip. Diet. (App. Dietetics and
Food Preparation and Nutri-
tion) Lectr.

Dickinson, Jean C., M.Sc. (on
leave) Sr. Demr.

Springell, P. H., B.A. Camb.
Temp. Sr. Demr.

Marginson, M.A., B.Sc.
Temp. Sr. Demr.

Neville, Margaret E. S., B.Sc.
Demr.

Henderson, R. W., B.Sc. Demr.
2 Pt.-time Officers.

Botany and Plant Physiology

Turner, J. S., M.A., Ph.D. Camb.,
M.Sc. Prof.

McLennan, Ethel I., D.Sc. Assoc. Prof.

..... Sr. Lectr.

Fawcett, Stella G. M., M.Sc. Sr. Lectr.

Cookson, Isabel C., D.Sc. (Re-
search) Lectr.

Blackwood, Margaret, M.Sc. Lectr.

Clifford, H. T., M.Sc. Sr. Demr.

Slater, W. G., B.Sc. Sr. Demr.

Winkworth, R. E., B.Sc. Syd.
Sr. Demr.

Matthaei, E. A. F., Dip. Optics
Jena (Microscopy) Lectr.

Chemistry, v. also Physiol.

Hartung, E. J., D.Sc. Prof.

Davies, W., D.Sc. Manc. and
Melb., D.Phil. Oxon. (Organic
C.) Assoc. Prof.

Senior Lecturers

Hambly, A. N., M.Sc., Dip.Ed.
(Physical C.).

Harris, G. M., M.Sc. Sask., A.M.,
Ph.D. Harv. (Phys. C.).

Buchanan, A. S., B.Sc., Ph.D.
(Phys. C.).

Cooke, R. G., M.Sc. Adel. (Organic
C.).

Pausacker, K. H., M.Sc., D.Phil.
Oxon. (Organic C.).

Lecturers

.....
Stephenson, Emily F. M., M.Sc.,
Ph.D. Glas. (Organic C.).

O'Donnell, T. A., M.Sc.

Palmer, A. R., M.Sc. Temp. Lectr.

Senior Demonstrators

Segal, W., M.Sc. (Org. C.).

Swaine, D. J., M.Sc. (Anal. 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.).
Dorman, F. H., B.A., M.Sc.
(General C.).
4 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., F.R.S.
Assoc. Prof.
Gellie, G. H., M.A., B.Ed. Lectr.
2 Pt.-time Officers.

Commerce

Wood, G. L., M.A. Tas., Litt.D.
Prof.

Senior Lecturers

Foenander, O. de R., LL.M.,
Litt.D. (Industrial Relns.).
Goldberg, L., B.A., M.Com.
(Acctcy.).
Fryer, D. W., M.Sc. (Econ.) Lond.
(Econ. Geog.).

Lecturers

Bayne, Mary M., M.A., Dip.Ed.
(Econ. Geog.).
Kerr, Jean S., B.Com. (Acctcy.).
Stewart, W. J., B.A., B.Com.
(Acctcy.).

Senior Tutor

Donath, E. J., M.A. Vienna (Econ.
Geog.).

Temporary Research Officers

Lengyel, S. J., M.Ec., Dip.Ed.
Budapest.
Grobtuch, Alicia, B.A. Beirut.
32 Pt.-time Officers.

Dentistry, v. Affiliated Inst.

Dutch, v. Germanic Languages

Economic History

La Nauze, J. A., M.A. Oxon.
(on leave) Prof.
Dunsdorfs, E., D.Ec. Riga
Sr. Lectr.

Cairns, J. F., M.Com. Lectr.
Chernick, S., M.A. Tor. Lectr.
Sinclair, W. A., B.Com. Sr. Tutor.
1 Pt.-time Officer.

Economics, v. also Com.

Prest, W., M.A. Leeds, M.A.
(Com.) Manc., M.Com. Prof.

Senior Lecturers

Weller, G. A., B.Sc. (Econ.) Lond.,
B.Com.
Polglaze, Muriel J., M.Com.
Hocking, D. M., M.A.
Isaac, J. E., Ph.D. Lond., B. Com.
Cochrane, D., Ph.D. Camb., B.Com.
(Math. Econ.).

Temporary Lecturer

Frearson, K. S., D.F.C., B.A.
W.Aust.

Senior Tutors

Burns, Mrs. Nancy J., B.Com.
Drake, Joan F., B.A., B.Com.

Tutors

Brunt, Maureen, B.Com.
Harper, R. J. A., B.Com.
Wallace, R. H., B.Com.

Research Officer

Merrylees, Anne M., B.Com.
8 Pt.-time Officers.

Education

Browne, G. S., M.C., M.A. Oxon.
and Melb., Dip.Ed. Oxon.,
Lond. and Melb. Prof.
Aughterson, W. V., Ph.D. Lond.,
M.A., Dip.Ed. Sr. Lectr.
Wyeth, E. R., B.A. Q'ld., Ed.D.
Calif., M.Ed., Dip.Ed. Q'ld.
Sr. Lectr.

Lecturers

Cartwright, R. (Educn.).
Coates, T. H., B.Sc., M.Ed., Ph.D.
(Org. of Edn. and Adult Edn.).
Olphert, W. B., M.A., Dip.Ed.
N.Z.
Battersby, Olive, B.A.
Sr. Tutor and Librarian.
19 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.

Lecturer

Dobson, T. P., B.A.

Temporary Lecturers

Mitchell, R. B., B.A.

Hayward, W., M.A. Corn.

.....

Senior Tutors

Tennent, Amy G. C., M.A., Dip.
Ed.

Cowling, Mrs. Muriel M., B.A.
Leeds, Dip.Ed.

Marks, R. E., B.A., Dip.Ed.

O'Keefe, Mary T., B.A.

Brissenden, R. F., B.A. Syd.

Buckley, V. T., B.A.

.....

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. (on leave).

Sussex, R. T., D. de l'U. Paris,
M.A., LL.B.

Lecturers

Canart, P. L. J. G., B.A.

Smith, I., B.A., D. de l'U. Paris.

Burger, Mrs. Claire H., M.A.

5 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.)

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.

Medwell, Lorna M. 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. Prof.

Coverlid, Dorothea R., M.A.,
Dip.Ed. (German) Sr. Lectr.

Smit, J., Litt.D. Utrecht (Dutch)
Sr. Lectr.

Wiemann, H., M.A. (German)
Lectr.

MacLean, H., M.A., Dip.Ed. (Ger-
man) Temp. Lectr.

Meijer, R. P., M.A. Amst. (Dutch
and Germanic Philol.)

Temp. Lectr.

Ruff, Eva, B.A. Tutor.

6 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.
 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.
 Yule, G. S. S., M.A.
 Serle, A. G., D.Phil. Oxon., B.A.

Acting Lecturers

Gregory, J. S., M.A.
 Groves, M. C., B.A.
 Bate, W. A., B.A.
 Inglis, K. S., B.A. Asst. Lectr.
 Kiddle, Margaret, M.A., Dip.Ed.
 Sr. Tutor.
 Moss, S. C., B.A. Sr. Tutor.
 Kennedy, D. E., B.A. Sr. Tutor.
 Roe, O. M. Tutor.
 3 Pt.-time Officers.

History and Methods of Science

Buchdahl, G., B.A.
 Sr. Lectr.-in-charge.
 Dyason, Diana, M.Sc. Lectr.
 Clendinnen, F. J. 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.).

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)

Gilbert, R. L., B.A., LL.B. (Con-
 tracts).
 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. (Profes-
 sional Conduct).
 Doherty, J., LL.B. (Accounts).
 Joske, P. E., Q.C., M.A., LL.M.
 (Domestic Relations).
 Fox, P. M., LL.B. (Conveyancing).
 Dunn, R. H., LL.M. (Crim. Proc.).
 Coghill, E. H., LL.M. (Property)
 Actg.
 Young, J. M., M.A. Oxon., LL.B.
 Tutor.
 Crockett, W. C., LL.M. Tutor.
 Cohen, S. H., B.A., LL.M. Tutor.
 Magee, F. J., B.Com. Tutor.

Tutors in Drafting and Convey-
ancing (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.

Mathematics, Pure and Mixed

Cherry, T. M., Ph.D., Sc.D. Camb.,
 B.A. Camb. and Melb. Prof.
 Love, E. R., Ph.D. Camb., B.A.
 Camb. and Melb. Assoc. Prof.

Senior Lecturers

- Behrend, F. A., Ph.D. Berl., Sc.D.
Prague.
Schwerdtfeger, H. W. E., Dr.Phil.
Bonn.
Syer, F. J. D., M.B.E., B.A.,
Dip.Ed.
Brown, A., Ph.D. Camb., M.A.
Glas.
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The AUSTRALIAN COLLEGE OF DENTISTRY (Faculty of Dental Science), 193 Spring Street, Melbourne. (*Telephone* : FB 2101.) *Professors* : A. B. P. Amies, C.M.G., D.D.Sc., D.L.O., F.R.C.S., F.R.A.C.S., F.D.S.R.C.S. Eng. and Edin., F.A.C.D. (Oral Surg. and Path.) ; C. H. Down, D.D.Sc., F.D.S.R.C.S. Eng. (Cons. Dent. Surg.) ; H. F. Atkinson, M.B.E., L.D.S., M.Sc., D.D.S. (Dent. Pros.). *Senior Lecturers* : V. T. Sealey, D.D.Sc. (Oral Surg.) ; R. W. Shepherd, M.D.Sc. (Dent. Pros.) ; (Cons. Dent. Surg.) ; K. T. Adamson, D.D.Sc. (Orthodont.) ; R. G. Williams, D.D.Sc. (Periodont.) ; G. Kaye, M.D., B.S., F.F.A.R.C.S. (Anæsth.) ; M. C. Davis, M.D., B.S., F.R.A.C.P. (Med.) ; A. J. Trinca, F.R.C.S., F.R.A.C.S. (Surg.) ; A. R. Docking, M.Sc. (Dent. Metall. and Materials). *Lecturers* : (Dent. and Oral Pathol.) ; J. C. Stewart, F.R.C.S., F.R.A.C.S. (Surg.) ; C. H. Hearman, D.D.Sc. (Prev. Dent. and Diet), Pt.-time ; J. Reich, M.D.Sc. (Dent. Mat. Med. and Pharm.), Pt.-time ; C. R. Newbury, M.D.Sc. (Oral Hist. and Embryol.), Pt.-time. *Senior Demonstrators* : H. R. Cash, D.D.S. Northwestern, B.D.Sc. (Oral Surg.) ; W. E. Fleming, M.B., B.S., D.D.Sc. (Oral Surg. and Pathol.) ; J. M. Piercey, M.B., B.S. (Oral Surg.) ; F. T. Herbert, B.D.Sc. (Dent. Pros.) ; J. M. Lewis, D.D.Sc. (Periodont.) ; N. H. Andrews, D.D.Sc. (Periodont.) ; Phyllis T. Wedlick, M.B., B.S. (Anæsth.). *Demonstrators* : W. G. Walker, M.D.Sc. (Dent. Pros.) ; C. G. Dennis, B.D.Sc. (Dent. Pros.) ; H. I. Gill, B.D.Sc. (Dent. Pros.) ; Helene E. Kneebone, B.D.Sc. (Dent. Pros.) ; H. R. Down, B.D.Sc. (Cons. Dent. Surg.) ; C. R. Ewart, B.D.Sc. (Cons. Dent. Surg.) ; H. D. Breidahl, M.B., B.S. (Med.) ; C. W. E. Wilson, M.B., B.S. (Med.) ; J. Ray, M.B., B.S. (Med.) ; E. D. Sincock, M.B., B.S. (Med.) ; E. L. Angliss, M.B., B.S. (Surg.) ; W. G. Rogerson, M.B., B.S. (Surg.) ; 31 adtl. pt.-time officers.

GENERAL INFORMATION

The Univ. was founded in 1853 by Act of the Victorian Legislature. In 1951, expenditure amounted to £1,313,295 as against total receipts of £1,496,489, of which £136,000 Commonwealth Govt. Grant applied to earlier yrs., and grants and bequests of £88,000 were for capital purposes. The State Govt. has fixed an amount of £496,150 as its contribution to the Univ. during the present financial yr. The Council is composed of 32 members—elected by graduates (10) ; representatives of the teaching staff (5), of affiliated colleges (2), undergraduates (2) ; appointed by the Government (8) (3 being members of Parliament, the others representing business interests and technical schools) ; *ex officio* (3) ; and co-opted members (2). Convocation (the body of graduates) elects a Standing Committee with certain legislative and advisory functions.

There is a Professorial Board, and individual courses are controlled by Faculties and Boards of Studies. The grounds, 106 acres, include four 10-acre College sites surrounding a recreation ground of 16 acres. The temporary post-war branch of the University at Mildura, 350 miles north-west of Melbourne, where first-yr. students in some scientific faculties were housed, is now closed.

LIBRARY, 175,000 vols. **MUSEUMS**, Anat., Biol., Geol., Path. (15,000 specimens), Vet. **LABORATORIES**, Aerodynamics (with Wind Tunnel), Agric., Bact. (investigations undertaken for Govt. Hospitals and Med. practrs.), Bot., Biochem., Chem., Dent., Engineering, Geol., Metall. and Mining (with 3-head stamp battery), Path., Physics (with cyclotron), Physiol., Psychol., and several Commonwealth Govt. Labs. (including X-ray and Radium, and C.S.I.R.O. sections). **VET. RESEARCH INSTITUTE**, Parkville, **WALTER AND ELIZA HALL RESEARCH INSTITUTE** in connexion with Royal Melbourne Hosp., Parkville.

FACULTIES AND DEANS (1952). *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. G. L. Wood (Comm.); *Education*, Prof. G. S. Browne (Educn.); *Engineering*, Prof. C. E. Moorhouse (Electr. Engin.); *Law*, Prof. Z. Cowen (Law); *Medicine*, Prof. R. D. Wright (Physiol.); *Music*, Prof. Sir B. T. Heinze (Music); *Science*, Prof. V. M. Trikojus (Biochem.); *Veterinary Science*, Prof. R. D. Wright (Physiol.).

ADMISSION. See Appendix I.

DEGREE COURSES. 3 yrs.—B.A. (Ordinary), B.Sc., B.Sc.F., B.Com. (Ordinary); 4 yrs.—B.A. (Hons.), B.Com. (Hons.), LL.B., Mus.Bac., B.C.E., B.M.E., B.Met.E., B.E.E., B.Mech.E., B.Surv., B.Chem.E., B.Agr.Sc. (including 1 yr. at an approved Agricultural College); 5 yrs.—B.Arch., B.D.Sc.; 6 yrs.—M.B., B.S. The University is prohibited by Act of Parliament from conferring degrees in Divinity; degrees of B.D. and D.D. are conferred by the Melbourne College of Divinity (non-Univ.).

HIGHER DEGREES. Open to Bachelors of 1 yr.'s standing—M.Agr.Sc., LL.M., M.Eng.Sc.; 2 yrs.—B. Ed., M.Sc., M.Sc.F., M.D., M.S., M.D.Sc., M.V.Sc.; 3 yrs.—M.Ed., M.C.E., M.M.E., M.Met.E., M.E.E., M.Mech.E., Mus.Doc., D.V.Sc.; 4 yrs.—D.Sc., LL.D., D.D.Sc.; 5 yrs.—D.Eng., M.Arch., D.Arch.; 7 yrs.—Litt.D. The M.A. and M.Com. are open to Bachelors (Honours) of 1 yr.'s standing and Bachelors (Ordinary) of 2 yrs.' standing. The B.Ed. course (of 2 yrs.' duration) can be taken after graduation in any other Faculty. Standing required before admission to the Ph.D. course varies according to the Faculty in which prior degree was taken. Courses of medical postgraduate study arranged by special Committee on which Univ. is represented.

DIPLOMAS. D.P.H., open to med. grads. of Melb. and persons qualified for registration as med. practrs. in U.K., 12 mos.; Ophthalmology, Laryngology and Otology, Gynaecology and Obstetrics, Therapeutic Radiology, Diagnostic Radiology, Anæsthesia and Psychological Medicine (D.O., D.L.O., D.G.O., D.T.R., D.D.R., D.A., D.P.M.), open by examn. to med. grads. of 3 yrs.' experience in practice. Dip. Anal. Chem., 9 mos. following 3 yrs.' course in Chem.; Dietetics (Dip. Diet.), 1 yr. following B.Sc. or B.Agr.Sc. course; Dip.Ed., 1 yr. following graduation in any other Faculty; Commerce, Journalism, Physical Education, Public Admin., Town and Regional Planning (Dip. Com., 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.

FEES. Matricn., 2 gs. ; Degree (except Dental Science, 8 gs.), 10 gs. ; Degree courses in Agric., 4 yrs., £239 ; Archit., 5 yrs., £280 ; Arts, 3 yrs., £135 ; 4 yrs., £170 ; Commerce, 3 yrs., £162 ; 4 yrs., £180 ; Dental Science, 5 yrs., £422 ; Educn., 2 yrs., £62 ; Engin., 4 yrs., £240 ; Law, 4 yrs., £224 ; Medicine, 6 yrs., £448 ; Music, 4 yrs., £240 ; Science, 3 yrs., £180 ; Sports and Union fees, £5 : 14s. ; Union Entrance Fee, £3 : 3s.

NON-MEMBERS OF UNIVERSITY are not admitted to classes.

ADULT EDUCATION. Adult education in Victoria, which was formerly directed by the University Extension Board, is now controlled by the Council of Adult Education under the provisions of a special Act of Parliament.

VACATION COURSES. No regular courses are provided by the University, but from time to time certain departments arrange special courses during the long vacations.

SCHOLARSHIPS, ETC. Aggregate annual value about £14,000. Among the more important are Research Fellowships of £600 each, Travelling Scholarships of £350 p.a., Research Scholarships up to £350 and combined Research and Teaching foundations.

Sir Thomas Lyle Fellowship in Physics ; H. W. C. Simpson Research Scholp. ; Georgina Sweet Fellowships : (a) in Economic Zool. ; (b) in Medicine ; (c) in Economic Geol. ; Hirsh and Olga Taft Interchange Scholp. ; Dunlop Rubber Company Research Scholps. in Physics. and Chem. ; Vacuum Oil Co. Research Scholp. ; Aitchison Travelling Scholp. ; University Travelling Research Scholps. (2) ; 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. ; Dixon 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.

Free students ; 60 certificated teachers of the Education Dept. p.a. ; 5 other Govt. officers p.a. ; 83 other persons p.a. All other certificated teachers and students of the Teachers' Training College are admitted at half fees.

A Students' Loan Fund has assets exceeding £70,000.

RESIDENCE. The Residential Colls. accommodate over 600 resident students. Trinity College (165 gs.), 119 students ; Janet Clarke Hall (150 gs.), 67 students ; Ormond College (185 gs.), 140 students ; Queen's College (180 gs.), 100 students ; Newman College (135 gs.), 100 students ; University Women's College (140 gs.), 46 students.

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 persons over 21 years of age. *See also* Appendix I.

APPOINTMENTS BOARD. The Appointments Board provides an employment service for men and women with Univ. training. It has reciprocal agreements throughout Australia and the U.K. whereby Boards of other Univs. make their

services available to graduates and undergraduates of the Univ. of Melbourne. The Board also arranges vacation work.

GRADUATES' ASSOCIATION. In 1938, when the present Union House was created, a graduates' section of the Melbourne Univ. Union came into being. By the end of 1951, membership of the society had risen to over 2000. The Graduates' Section produces its own magazine: *The Melbourne Graduate*. Women graduates may belong to the Melbourne Women Graduates' Association, a branch of the Australian (and International) Federation of University Women.

TEACHING HOSPITALS. Royal Melbourne, Alfred, St. Vincent's, Women's, Children's, Eye and Ear, Queen Victoria Memorial, Fairfield and Mental Hospitals.

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.

ATHLETIC FACILITIES. Facilities for cricket, football, athletics, tennis, hockey, basket-ball, baseball, rowing, squash racquets.

PUBLICATIONS. *Calendar* (March), 5s. net (handbooks containing extracts and general information relevant to each Faculty published separately, 1s. each); *Annual Examination Papers*, in sets, 1s. 6d. each; *Handbook of Public Examns.*, 3s. 6d.; *Conservatorium Prospectus*; *Manual of Public Examinations in Music*; *Research Report*; *University Gazette* (containing academic news and official announcements) is published during term; *Melbourne Graduate* (magazine of Graduates' Section); *Circulars to Schools*, published about 10 times a year and forming a link between the University and the secondary schools. Students' journals: *Melb. Univ. Magazine*; *Farrago* (fortnightly); *Speculum* (Medical); *The Margin* (Commerce); *Res 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 1951

BENEFACTIONS. Baillieu Trust, £1069, new Library; Muriel Cheek Memorial Scholp. Fund, £1000, singing scholp.; Vic. Chamber of Manufactures, £1000, Chem. bldg.; Commonwealth National Fitness Fund, £1100, Phys. Educn. Dept.; Dunlop Rubber of Australia, £2000, res. scholps.; Broken Hill South Ltd., £6250, North Broken Hill Ltd., £10,000, total £16,250, Chair of Metall. Res.; Nicholas Pty. Ltd., £1032, Biol. Assay Fund, and Vitamin D₃ Assays; Broken Hill Ltd., £5000, Electrolytic Zinc Co., Australasia Ltd., £5000, North Broken Hill Ltd., £7000, total £17,000, Min. and Metallurgy Depts.; Anon., £1000, Child Development and Guidance Centre bldg.; estate of J. Quilliam, £5727, med. res.; Anon., £6000, Conservatorium Vice-Dir.; Commonwealth Bank of Australia, £1050, res. into "Mechanics of Traction" and "Survey of Melbourne Vegetable Markets"; Kraft Walker Cheese Co. Pty. Ltd., £1000, Bacteriology Dept., Mould Fermentations;

estate of J. J. Winter, £1669, "John Winter Res. Fund"; Mr. Hallstrom, £1000, J. Wren, £1000, total £2000, res. by Dr. S. Rose; estate of Ethel S. Leon, £2000, bursary, 2nd-yr. med. student; Sidney Myer Charity Trust, £1000, R. M. Macdonald Estate, £1000, H. V. McKay, £1000, Messrs. Ian Potter and Co., £1000, Broken Hill Pty. Co. Ltd., £1000, E. S. & A. Bank, £1000, A.N.Z. Bank, £1000, Commercial Bank of Australia, £1000, National Bank of Australasia Ltd., £1000, Messrs. Foy & Gibson Ltd., £1000, Messrs. Blake & Riggall, £1000, Shell Co. of Australia Ltd., £1000, Anon. £1000, total £13,000 towards establishment of Chair of Commercial Law; Sidney Myer Charity Trust, through Rotary Club, £5000, res. in Dept. Soc. Studies; Espada Educational Trust, £1500, res. in Psychol. Dept.; Anon., £1000, teaching in Archit.; other minor monetary benefactions totalling £18,598.

NEW BUILDINGS. Work contd. on first floor of new Physics Sch. bldg. Baillieu Block for Metall. Res. completed. Tribophysics bldg. (in course of erection). Many temp. bldgs.

NEW DEPARTMENTS AND POSTS. Professorships of Org. Chem., Pure Maths., Stats., Theoret. Phys. and Commercial Law. Criminol. Dept. Assoc. Professorship in Philos.

PRINCIPAL CHANGES IN REGULATIONS. Increase in fees for all courses. Revision of regulation for Agr. Dip. to include a system of passing by yrs. Revision of regulations for M.V.Sc., and D.V.Sc. Revision of regulations for Preliminary Examn. in Med. and for M.B., B.S. Revision of regulation for B.D.Sc.—course extended to full 5 yrs. Deletion of pre-requisites for B.Arch. course. Introduction of Dipl. Course in Town and Regional Planning.

ADULT EDUCATION. Adult education in Victoria, formerly directed by the Univ. Extension Board, now controlled by the Council of Adult Educn. under the provisions of a special Act of Parliament.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. N. Mansergh, Res. Prof. of British Commonwealth Relations at Royal Inst. of International Affairs, gave public lecture; Dr. J. B. Conant, "The Teaching of the Hist. of Science"; Prof. J. L. Montrose, Queen's, Belf., "The Status of Northern Ireland"; Dr. E. N. Griswold, Harv. Law Sch.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. W. Boardman worked in Prof. Medawar's lab. at Manc.; Dr. G. S. Christie worked at University Coll. Med. Sch., Lond.; Miss Muriel G. Crabtree visited dent. schools and hosps. in England to enquire into recent biochem. res. and into teaching of biochem. to dent. students; Assoc. Prof. Hunt attended the Quincentenary Celebrations of Glasgow as representative of the Univ.; Dr. A. F. Roche worked at Western Reserve Univ., Cleveland, Ohio; Dr. C. Teichert, Kansas, as res. assoc. and exchange visitor; Prof. Trikojus, Camb.; A. L. Turner worked at Chic.

RETIREMENT. G. A. Ampt (Chem.).

RESIGNATIONS. A. D. G. Adam (Law); P. B. Alcock (Classics); L. E. Baragwanath (Hist.); A. L. Burns (Hist.); G. C. Gaze (Mech. Engin.); Jean Mathieson (Bot.); D. I. Menzies (Law); Dr. W. McI. Rose (Pathol.); Dr. J. B. Turner (Anat.); D. Van Abbé (German); Dr. M. M. Wilson (Pub. Health Lab.); R. K. Wilson (Econ. Geog.).

DEATHS. Emer. Prof. W. E. Agar; former Prof. L. F. Gillin; Dr. J. A. Larwill (Anat. and Histol.); C. H. Peters, member of Council; the Hon. M. E. Wettenhall, member of Council.

HONORARY DEGREES. *LL.D.*—Sir Neil Hamilton Fairley, formerly Prof. of Trop. Med., Univ. of Lond.; Dr. J. B. Conant, Pres. of Harv. Univ.; Sir Edward Mellanby, Sec., British Med. Res. Council; The Hon. A. van de S. Centlivres, Chief Justice of South Africa; Sir Raymond Evershed, Master of the Rolls; Dr. E. N. Griswold, Dean of Harv. Law Sch. *M.D.*—Prof. M. Stewart, formerly Prof. of Pathol., Univ. of Leeds.

STUDENTS.

	<i>Part-Time *</i>	<i>Full-Time</i>
Men	2488	3852
Women	773	1121
Total	3261	4973

Included in the above are 241 postgraduate students and 1740 first-year admissions.

DEGREES. *Agric.*: B.Agr.Sc., 24; M.Agr.Sc., 2. *Archit.*: B.Arch., 42. *Arts*: B.A. (Hons.), 82; B.A., 230; M.A., 23; Ph.D., 1. *Commerce*: B.Com. (Hons.), 3; B.Com., 157. *Dent. Sci.*: B.D.Sc., 45; M.D.Sc., 3. *Educn.*: B.Ed., 23; M.Ed., 2; Ph.D., 1. *Engin.*: B.C.E., 49; B.Mech.E., 30; B.E.E., 17; B.M.E., 3; B.Met.E., 7; M.C.E., 1; M.E.E., 3; M.Mech.E., 1; M.Eng.Sc., 3. *Law*: LL.B. (Hons.), 8; LL.B., 65; LL.M., 5; LL.D., 7. *Medicine*: M.B., B.S., 175; M.S., 2; M.D., 10. *Music*: Mus.Bac., 28. *Science*: B.Sc., 143; B.Sc.F., 7; M.Sc., 24; D.Sc., 1; Ph.D., 8.

* Includes External Students.

NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY *

Established 1948 ; incorporated by Act of Parliament 1949

Postal Address : Broadway, Sydney, New South Wales.

Telegraphic Address : Tecol, Sydney.

Telephone : Sydney MO422.

PRESIDENT—WALLACE C. WURTH, C.M.G., LL.B. Syd.

VICE-PRESIDENT—ROY WILLIAM HARMAN, M.Sc. N.Z., D.Sc. Lond.

DIRECTOR—ARTHUR DENNING, B.Sc., Dip.Ed. Syd.

DEPUTY DIRECTOR—JOHN P. BAXTER, O.B.E., B.Sc., Ph.D. Birm.

REGISTRAR—GODFREY L. MACAULEY, B.Ec. Syd.

SECRETARY TO THE COUNCIL AND ASSISTANT REGISTRAR—JOHN S. FRASER.

ACCOUNTANT—EDWIN H. DAVIS.

TEACHING STAFF

Applied Chemistry

Alexander, A. E., M.A., B.Sc.
R'dg., Ph.D., Sc.D. Camb.

Prof.

Senior Lecturers

Bryson, A., M.Sc., B.App.Sc. Q'ld.

Cavill, G. W. K., M.Sc. Syd.,
Ph.D. Liv.

Cole, E. R., M.Sc. Syd.

Forster, J. B., M.Sc. Leeds.

Martin, L. W. O., B.Sc. Syd.

Nyholm, R. S., M.Sc. Syd., Ph.D.
Lond.

Ralph, B. J., B.Sc. Tas., Ph.D.
Liv.

Reuter, F. H., Dr.Phil. Berl.,
F.R.I.C.

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

Lecturers

Anderson, J. R. A., B.Sc.,
F.R.A.C.I.

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., Ph.D. Camb., B.Sc.
Syd.

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.

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

Morris, B. S., M.Sc. Syd.
 Nicholson, O. P., B.Sc. Manc.
 Phillips, J. N., M.Sc. Syd.
 Shipp, E., B.Sc. Syd.
 Simes, J. J. H., M.Sc., Dip.Ed.
 Syd.
 Steele, M. C.
 Sutton, G. J., B.Sc. Syd.,
 F.R.A.C.I.
 Sutton, J., B.Sc. Manc.
 Swinbourne, E. S., B.Sc.
 Taylor, C. R., B.Sc. Syd.
 Werner, R. L., B.Sc.
 Gutman, F., Ph.D. Vienna
 Res. Lectr.
 6 Demrs. and 20 Tech. Officers.

Applied Mathematics

Bosson, G., M.Sc. Lond. Prof.
 Senior Lecturers
 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.
 Douglas, J. B., B.A., B.Sc. Melb.
 Eggar, M. A., M.Sc., D.Sc.,
 Dip.Ed. Berl.
 Ferris, G. E., B.Sc. Syd.
 Griffith, J. L., B.A., M.Sc.,
 Dip.Ed. Syd.
 Groden, C. M., M.Sc. Zür.
 Keane, A., M.Sc. Syd., F.R.A.S.
 Sandiforth, J. St. A., B.Sc. Syd.
 Weiler, H., Lic. ès Sc. Paris.

Applied Physics

Godfrey, G. H., M.A., B.Sc. Syd.,
 F.I.P. Assoc. Prof.

Senior Lecturers

Lederer, J., B.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.
 Curnow, C. E., M.Sc. 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.
 Lishmund, R. E., B.Sc., Ph.D. St.
 And.
 McConnell, J. F., M.Sc. Syd.
 Milledge, J. A., M.Sc., Dip.Ed.
 Syd.
 Parry, L. G., B.Sc., Dip.Ed. Syd.
 Pollard, H. F., M.Sc. W.Aust.
 4 Tech. Officers.

Architecture

Towndrow, F. E., F.R.I.B.A.,
 F.R.A.I.A. Dean and Prof.
 McDonnell, G. H. B., B.Arch.
 Syd., F.R.A.I.A. Sr. Lectr.

Lecturers

Anderson, N. J., B.Arch. Syd.
 Dip.T.P. Lond.
 Bazeley, N. F.
 Daniels, E.
 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.
 Spooner, P.
 Sutton, R. G.
 Woolard, F.
 Wrigley, D. F., D.Arch. Manc.

Chemical Engineering

Baxter, J. P., O.B.E., B.Sc.,
 Ph.D. Birm.
 Dean, Fac. of Appl. Sc.,
 and Prof.

Lecturers

Ayscough, F. W., B.Sc. Syd.
 Buchanan, R. H., B.Sc. Corn.
 Connors, F. L.
 Howard, F. O., B.E. Syd.
 Murphy, R. K., Chem.E., Dr.Ing.
 McCartney, E. R., B.Sc. Syd.
 Roper, G. H.
 Smith, J. D., B.Sc.
 Warner, R. K., B.Sc.
 10 Tech. Officers and 3 Demrs.

Civil Engineering

Munro, C. H., B.E. Syd.
Assoc. Prof.

Senior Lecturers

Hall, A. S., B.Sc. Lond.
Hodson, H., B.Sc., B.E. Syd.
Holdaway, H. W., B.Sc., B.E. Syd.
Vallentine, H. R., B.E. Syd.

Lecturers

Balint, P., B.E. Bud.
Brettie, H. J., B.E. Syd.
Butcher, W. S., B.E. Syd.
Carmichael, A. J., B.E.
Jenkins, J. L., B.E. Syd.
Johnson, K. E., B.E. Syd.
Nettleton, A. F. S., B.Sc., B.E.
Syd.

Peacock, E. E., B.E. Syd.

Ward, O. G.

Watson, K. K., B.E. Syd.

White, M., B.E.

3 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. 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.
Edwards, H. N., B.Sc., B.E. Syd.
Ehlers, W. W. T. H., Dr. Nat. Scs.
Ham.

George, D. W., B.Sc., B.E. Syd.
Harrington, H. R.
Hopkins, E. G., B.E. Res. Lectr.
Lamb, C. St. J.

Plowman, A. S.

Stapleton, C. A., B.Sc., B.E. Syd.

Turner, H. J. A., B.Sc. Lond.

Yates, R. C., B.E. Adel.

3 Tech. Officers.

Humanities and Social Sciences

Hartwell, R. M., M.A., Dip.Ed.
Syd. Prof.

Senior Lecturers

Auchmuty, J. J., M.A., Ph.D. Dub.
Elkin, P. K., B.A. Syd., B.Litt.
Oxon.

Thornton, J. B., B.A., B.Sc. Syd.

Lecturers

Atkins, Ruth, B.A., B.Ec. Syd.
Cranfield, G. A., B.A. 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.
Nairn, N. B., B.A. Syd.

Res. Lectr.

Runcie, N., B.Ec. Syd.

Stove, D. C., B.A. Syd.

2 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., B.E. Vienna.
Munro, J., B.E. Syd.
Rosenauer, N., M.E. St. Peters-
burg, Dr.Ing. Riga.
Taylor, G., B.Sc. Chic., B.A.Sc.
Tor.

Lecturers

Allen, A. F.
Allen, J. R., B.E. Syd.
Barna, P. S., B.E. Bud.
Bonamy, S. E., B.E. Syd.
Borchhardt, H. A., Dip.Ing.Eth.
Zür.

Brock, H., Dipl.Ing. Vienna.

Bryant, R. A. A.

Butler, G. H., 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.

Hool, J. N., B.E. Syd. (Mech. &
Civil).

James, A. K.

Kahane, A., Dip.Ing. Vienna.

McLachlan, H. McD., B.E. Syd.

Muiznieks, J. O., Deg.Mech.Eng.
Latvia, Dr.Aer.Eng. Rome.

Owen, A. D.

Robertson, R. G., B.A. Oxon.

Sapsford, C. M., B.Sc.Eng. Lond.

Selinger, H., Dipl.Ing. Berl.

Tuft, R. J. (Mech. & Naval
Archit.).

Walters, R. C. P.

Weiss, K., Dipl.Ing. Vienna.

Wulff, H. E., Dipl.Ing. Cologne.

5 Tech. Officers.

Metallurgy

[Prof.

Myers, R. H., M.Sc., Ph.D. Melb.

2 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.

Koch, L. E., Dr.phil. habil. Co-
logne.

Lawrence, L. J., B.Sc., Dip.Com.
Syd.

Menzies, R. A., A.R.T.C.

3 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.

6 Tech. Officers.

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.: G. A. Noellat, F. L. Ward,
M.Sc. Q'ld., Sr. Lectrs.; K. A. Allen, M.Sc. N.Z., H. Bardsley, C. C. H. Cook,
A. May, M.A. Berl., Ph.D. Prague, W. Pickering, B.Sc., J. S. Ratcliffe (Mech.
& Chem. Engin.), 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.*: G. J. Haggarty, B.E. Syd.,
Lectr. *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., Lectrs.
Mining Engin.: A. S. Ritchie, Lectr. 3 Tech. Officers.

GENERAL INFORMATION

Incorporated by Act of N.S.W. Parlt. in April 1949, the N.S.W. Univ. 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 will advise the Council on the development and management of the Coll.

INCOME for yr. 1950-51, £358,271 (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. J. P. Baxter (Chem. Engin.); *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., 41,846; accessions, 1951, 4612.

ENTRANCE REQUIREMENTS. See Appendix I.

ADULT MATRICULATION. Persons over the age of 25 yrs., not otherwise qualified, may be admitted as provisionally registered students, provided that the Professorial Board is satisfied they have reached a standard of educn. sufficient to enable them profitably to pursue the first yr. of the proposed course.

DEGREES. B.Sc. (Appl. Chem., Chem. Engin., Appl. Phys., Wool Technol.), B.E. (Civil, Electr., Mech., Mining), 4 yrs.; B.Arch., 6 yrs. Higher Degrees: M.Sc., M.E., at least 2 yrs.; Ph.D., at least 3 yrs.

COURSES. First degree courses instituted in Civil, Elect., Mech. and Min. Engin. in March 1948, this initial step being made possible by the work of the Developmental Council, apptd. in Aug. 1947. These courses were planned to give students lecture and lab. instrcn. in the Univ. for approx. half the yr., with practical experience of a planned nature in industry for remainder of yr. Degree courses in Appl. Chem. and Chem. Engin. began in March 1949, Archit. in 1950, Appl. Phys. and Wool Technol. in 1951.

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.

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). Secondly, the study of general subjects, such as English, Hist., Econ. and Psychol., is compulsory. These courses are designed to broaden the experience and interests of the student.

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 degree or higher degree of the Univ.

FEES. 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. Degrees: Registration, £2 : 2s.; Graduation, £21; Internal students, £30; External students, £10.

UNIVERSITY REGIMENT. Established in 1951.

POSTGRADUATE FELLOWSHIPS, ETC. I.C.I.A.N.Z. Res. Fellowship for British Commonwealth graduates, £600 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., £600 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 1951

NEWCASTLE UNIVERSITY COLLEGE. In December the Newcastle University College was opened as a branch of the Univ.

BENEFACTIONS. Commonwealth Bank of Australia, £3500 for res. in soil qualities and relationship of rainfall to run off; Electricity Meter and Allied Industries Ltd., Sydney, £10,000 to equip lab. for res. into problems assoc. with industrial materials; I.C.I.A.N.Z., £400 towards cost of res. on production of vinyl chloride.

NEW BUILDINGS. Satisfactory progress made in construction of first permanent bldg. (floor space, 136,745 sq. ft.) on Univ. site at Kensington; construction of 7 light framed bldgs. for Schools of Chem. Engin. and Metall. proceeded; considerable progress in equipping Civil Engin. res. labs., and res. projects in other Schools of Univ.

NEW DEPARTMENTS AND POSTS. Chairs of Maths., Metall. and Wool Technol. occupied; provision made for Assoc. Professorships in Appl. Chem. (2), Archit. and Food Technol.

CHANGES IN REGULATIONS. Council revised Regulns. for award of Masters' degrees and approved regulns. for award of Ph.D.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. 6 months' investigation in U.S.A., Gt. Britain and Europe, by the Director, of development of higher technological educn. (assisted by grant from Carnegie Corp. of N.Y.).

RESIGNATIONS. Prof. N. F. Astbury (Appl. Phys.), apptd. to Univ. Coll., Khartoum; Prof. H. J. Brown (Electr. Engin.), apptd. Controller, Research and Development Branch, Commonwealth Dept. of Supply.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3427	325
Women	28	2
Total	3455	327

Included in the above are 23 postgraduate students and 781 new admissions.

UNIVERSITY OF QUEENSLAND*

Founded 1909

Postal Address : George Street, Brisbane.

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.) Sr. Lectr.
Campbell, Jean I., B.Ag.S.

Jr. Lectr.

Froad, Mrs. Lola J., B.Sc.Agr.

Jr. Lectr.

Penny, Monica D., B.Sc.Agr.

Jr. Lectr.

Waring, S. A., B.Sc.Agr. Syd.
(Agronomy) Asst. Lectr.

Woodward, T. E., Ph.D., M.Sc.
(Entomol.) Lectr.

Part-time Lecturers

Bath, A. T., B.Sc. (Climatol.)

Lectr.

Bryan, W. W. (Agric.) Lectr.

4 Special Lectrs.

Anatomy

Wilkinson, H. J., B.A. Adel.,
M.D., Ch.M. Syd. Prof.

Hickey, M. F., M.A., M.B., B.S.

Assoc. Prof.

Meyers, E. S., M.B. 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.

Temporary Lecturers

Knowles, F.

McGuire, L. I., M.B., B.S.

Yaxley, R. P., M.B., B.S.

Grant, P. J. F., M.B., B.S. Syd.

1 Special Lectr., 9 Demrs.

Architecture

Cummings, R. P., B.Arch.,
F.R.A.I.A. Prof.

Lucas, F. B., F.R.I.B.A.,
F.R.A.I.A. Sr. Lectr.

Hitch, H. J. Lectr.

Marquis-Kyle, S. J. Lectr.-Demr.

4 Pt.-time Lectrs., 1 Spec. Lectr.,
1 Spec. Demr.

Biblical Literature

Part-time Lecturers

Innes, Rev. H. S. R., B.A. Syd.

Biochemistry

Hines, H. J. G., B.Sc. (Agr.) Lond.
Assoc. Prof.

Botany

Herbert, D. A., D.Sc. Melb. Prof.

Lecturers

Langdon, R. F. N., M.Agr.Sc.

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

Wilson, G. L., Ph.D. Oxon.,
B.Agr.Sc.
Aberdeen, J. E. C., B.Agr.Sc.
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.
Wilson, I. R., B.Sc. Asst. Lectr.
Radford, Joan T., B.Sc. Melb.
Asst. Spectro-Chemist.
8 Grad. Demrs.

Classics

Cooper, C. G., M.A. St. And. Prof.
Castlehow, S., M.A. Oxon.
Assoc. Prof.
Fisher, R. B., M.A. N.Z.
Asst. Lectr.
McKay, K. J., B.A. Melb.
Jr. Lectr.
Dale, W. A., M.A. Calif.
Asst. Lectr.
5 Pt.-time Lectrs.

Commerce

Gifford, J. K., M.A. Glas. Prof.
Lane, W. R., B.Comm. Lectr.
Reitsma, A. J., D.Econ. Rotter-
dam Asst. Lectr.
Stalley, D. J., B.Econ. Adel.
Asst. Lectr.

Price, G., B.Com. (Econ.)
Temp. Asst. Lectr.
16 Pt.-time Lectrs., 4 Spec. Lectrs.

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.
5 Spec. Lectrs., 2 Res. Fellows.

Engineering

Professors

Lavery, J. H., B.Sc. Oxon., M.E.
(Civil).
Shaw, M., M.Eng. Sheff.,
M.Mech.E. Melb. (Mech.).
Prentice, S. A., M.E.E., B.Sc.
Melb. (Elect.).
White, F. T. M., B.Met.E. Melb.,
F.G.S. (Mining and Metal-
lurgical).

Senior Lecturers

Ross, C. N., M.Sc. Tas., B.M.E.
Melb. (Civ. E.).
Munro, A. R., B.E. (Mech. E.).
Hinckley, R. T., M.E., B.Sc.
(Electronics).
Smoleniec, S., M.Sc. Warsaw,
Ph.D., D.I.C. (Engin. Thermo-
dyn.).

Lecturers

Waring, J., B.Sc.Tech. (Metall.)
Manc. (Metallurgical).
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) Sr. Lectr.

Pidduck, J., M.A. Camb. (Mech.)
Sr. Lectr.

Paterson, O. D., M.B.E., M.Sc.,
B.E. (Min.) Sr. Lectr.

Birkbeck, G. H. M., B.E. (Aero-
nautics).

James, F. W., M.Sc. (Surveying).

Assistant Lecturers

Brennan, B. F., B.Surv. (Survey-
ing).

Hunt, P. (Civ. E.).

Mapp, W., B.E.

Clark, D. J. (Mech. and Elect. E.).

Sheridan, N. R.

Fowler, I. D., B.E.

McNicol, Mrs. June A.

Res. Assistant.

38 Special Lectrs., 9 Pt.-time
Grad. Demrs., 6 Demrs., 1
Pt.-time Lectr.

English and Modern Langs.

Stable, J. J., M.A. Camb.

Darnell 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.

2 Pt.-time Demrs.

Forestry

White, C. T. (Forest Bot.)
Pt.-time 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.

4 Student Demrs., 3 Grad. Demrs.

History

Greenwood, G., M.A. Syd., Ph.D.
Lond. McCaughey Prof.

Neale, R. G., B.A., Dip.Ed. Melb.
Sr. Lectr.

Morrison, A. A., M.A. Lectr.

Assistant Lecturers

Truman, T. C., B.A. Melb.

McNaughtan, I. D., B.A. Syd.

Journalism A

17 Special Lectrs.

Journalism B

10 Special Lectrs.

Law

Harrison, W. N. L., B.A., LL.M.

Garrick Prof.

Senior Lecturers

Anderson, H. R., M.A. Oxon.,
LL.B. W.Aust.

Sykes, E. I., B.A., LL.M.

2 Special Lectrs., 6 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. also Inst.
of Mod. Langs., *infra*

Music

Brandon, H. E., F.T.C.L.
Actg. Organizer and
Examiner.

Philosophy and Psychology

Kyle, W. M., M.A. (Philos.) Prof.
Naylor, G. F. K., M.A., M.Sc. Syd.,
Dip.Ed. (and Psychol.)

Sr. Lectr.
Harwood, Elsie, M.A. (Psychol.)
Lectr.

James, G., M.A. Lectr.
Thiele, H. W., B.A. (Psychol.)
Asst. Lectr.

Hall, A. C. (Philos.)
Temp. Asst. Lectr.
3 Pt.-time Lectrs.

Physical Education

Burge, I. C., B.Phys.Ed. Spring-
field, B.Com. Director.
Simpson, K., Dip.Phys.Ed.

Asst. Dir.
Sharp, Elizabeth, Dip.Phys.Ed.
Female Instr.

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, S., B.Sc. W.A., M.Sc.
Adel. Lectr.

McNicol, R. W. E., M.Sc. Camb.
Lectr.

Noon, J. H., B.Sc. Asst. Lectr.

Thomas, J. A., B.Sc. Adel.

Asst. Lectr.

Colville, J. S. Temp. Asst. Lectr.
8 Demrs.

Physiology

Macfarlane, W. V., M.A., M.B.,
Ch.B. N.Z. Prof.

Hagan, P. B., M.B., B.S. Syd.
Sr. Lectr.

Lecturers

Hawker, R., M.B., B.S.
Crouchley, J., M.Sc. Adel. (Bio-
physics).

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.
5 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 Hus-
bandry) Prof.

Francis, J., B.Sc. Lond. (Pre-
ventive Med.) Prof.

Burns, R. H., B.V.Sc. Syd.
Sr. Lectr.

Millar, R. (Vet. Med.) 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.

English, P. B., B.V.Sc. (Clin.
Med.) Lectr.

Tucker, R., D.V.Sc. Warsaw,
D.V.Med. Munich (Vet. Anat.)
Asst. Lectr.

4 Spec. Lectrs., 3 Demrs.

Zoology

Stephenson, W., B.Sc., Ph.D.
Durh. Prof.

Bleakly, M. C., M.Sc. N.Z., D.Phil.
Oxon. Sr. Lectr.

Mather, W. B., B.Sc. Lectr.

Endean, R., B.Sc. Syd.

Asst. Lectr.

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

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

Bacteriology, v. *Pathology*, *infra*

Gynæcology

Charlton, B. B., M.B., B.S.

Sp. Lectr.

McLelland, H., M.B., B.S.

Sp. Lectr.

Medical Psychology, Psychiatry, and Mental Hygiene

Bostock, J., M.B., B.S., D.P.M.
Lond., F.R.A.C.P. Res. Prof.

1 Pt.-time Lectr., 1 Clin. Lectr., 1
Asst. Clin. Lectr.

Medicine

Murphy, O. E. J., M.B., Ch.M.
Syd., F.R.A.C.P.

Actg. Half-time Prof.

McQueen, E. G., M.B., B.S. Syd.
Chief Asst. to Prof.

2 Teaching Registrars, 5 Spec.
Lectrs., 13 Clin. Lectrs.,

21 Asst. Clin. Lectrs., 8

Tutors, 8 Spec. Lectrs., 5

Demrs., 2 Chief Assts.

Obstetrics and Gynaecology

Shedden-Adam, G. W., M.B., B.S.
Syd., F.R.C.S., F.R.C.O.G.

Edin. Half-time Prof.

3 Teaching Registrars, 4 Specialist
Lectrs., 4 Clin. Lectrs., 4

Asst. Clin. Lectrs., 2 Tutors.

Pathology and Bacteriology

Canny, A. J., B.Sc., M.B., B.S.
Syd. Prof.

Skerman, V. B. D., B.Agr.Sc.
(Bacteriol.) Chief Lectr.

Inglis, J. A., M.B., B.S.
(Clin. Path.) Chief Lectr.

Vickers, T. H., M.B. Syd.

(Path.) Sr. Lectr.

Quinn, R. L., M.B., B.S. (Path.)
Clin. Sr. Lectr.

Back, K. J. C., B.Sc. Syd. (Bact.)
Lectr.

Halliday, W. J., B.Sc. Melb.

(Bact.) Asst. Lectr.

2 Demrs. (Bact.), 2 Clin. Lectrs.,
1 Spec. Lectr., 2 Tutors.

Physiotherapy

Crawford, H., M.B., B.S. Melb.,
F.R.A.C.S. Lectr.-in-charge.

8 Spec. Lectrs., 2 Pt.-time Lectrs.,
4 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.
2 Spec. Lectrs., 29 Occasl. Lectrs.

Surgery

Sutton, N. G., M.B., Ch.M. Syd.,
F.R.C.S.Ed., F.R.A.C.S.

Half-time Prof.

Meyers, E. S., M.B. Syd.,
F.R.A.C.S.

(Operative Surg.) Lectr.

Gallagher, M. J., M.B., B.S.,
M.Ch.Orth. (Orthopæd. S.)

Asst. Lectr.

McSweeney, A., M.Ch.Orth. (Or-
thopæd. S.) Asst. Lectr.

10 Sp. Lectrs., 5 Clin. Lectrs., 23
Asst. Clin. Lectrs., 11 Tutors,
2 Teaching Registrars, 1 Chief
Asst., 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.).

Ginsburg, R. F., B.A. (Engl.)
Asst. Lectr.

O'Donnell, M. P., B.Sc. (Maths.).

Needham, Rev. G., M.A., T.D.
Lond. (Educn.).

Assistants

Ruddle, Caroline, B.A.

Stoodley, June, B.A.

O'Sullivan, M. M.

White, Olive N., B.A.

10 Tutors.

Institute of Modern Languages

Part-time Lecturers

Cochrane, G. R., M.A. Melb.
(French).

Kay, Mrs. Margot (German).

Leopold, K., B.A. Syd. (German).

Gatto, J. (Italian).

Hallister, E. N., B.A., Dip.Ed.
(German and Dutch).

Fan, K. Y. (Chinese).

Daud, A. (Malay).

Josiffe, R. J. (Malay).

Zaver, I. S. (Russian).

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. (*Tele-
phone*: 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 £5500. It has since been progressively increased and was £392,639 in 1951, of which £90,153 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. is now under construction, and work on the Phys. Bldg. has been commenced.

LIBRARY, 103,338 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. J. H. Lavery; *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.

DEGREE COURSES. Day students: 2 yrs.—B.Ed. postgraduate; 3 yrs.—B.A., B.Com., B.Sc., B.Surv.; 4 yrs.—LL.B. (Pass and Hons.), B.A. (Hons.), B.Com. (Hons.), B.Sc. (Hons.), B.Sc. in For., B.Agr.Sc. (Pass and Hons.), B.Sc. (App.) in Indust. Chem., B.Sc. (App.) in Med. Science, B.Sc. (App.) in Geol., B.Sc. (App.) in Physiotherapy, B.D.Sc. (Pass and Hons.), B.E. (Pass and Hons.) in Civil, Mech., Elec., Chem., Mining, Aeronautical Engin. or Naval Arch. (suspended); 5 yrs.—B.Vet.Sc. (Pass and Hons.), B.Sc. (App.) (Hons.); 6 yrs.—M.B. and B.S. (Pass and Hons.), B.Arch. (3 yrs. day, 3 yrs. evening).

HIGHER DEGREES. Open to Bachelors of this or other approved Univs. of 2 yrs.' standing: M.A., M.Com., M.Sc., M.App.Sc., LL.M., M.Arch., M.Ed., M.S.; of 3 yrs.' standing: M.E., M.Agr.Sc., D.V.Sc., M.D.; of 4 yrs.' standing: D.D.Sc.; of 5 yrs.' standing: D.Agr.Sc., D.Sc.; of 7 yrs.' standing: D.Litt., D.Econ., D.E. Open to Masters of 3 yrs.' standing: D.E.; of 5 yrs.' standing: LL.D. Standing required before admission to the Ph.D. course varies according to the Fac. in which prior degree taken. These higher degrees are obtained by examn. and/or submission of a thesis, but in some cases certain specified outside experience is required in addition.

DIPLOMAS. Mech. and Elect. Engin., 4 yrs. (may be followed in any approved Coll. or Instn.); Commerce (on unit basis—approx. 3 yrs.); Journalism, 2 yrs. for persons with 3 yrs.' practical experience; Physiotherapy (Massage), Physical Educn., 3 yrs.; Music, 2 yrs.; Educn., 1 yr. postgraduate; Educational Psychol., 1 yr. postgraduate; Ophthalmol.; Psychological Med.

CERTIFICATES. Educn. (on subject basis, approx. 3 yrs.); Accountancy, 3 yrs. (may be followed in any approved Coll. or Instn.); Teaching of Handicapped Children, 1 yr. postgraduate.

EVENING LECTURES AND EXTERNAL STUDENTS. In the courses which are available to them, evening and external students are permitted to spread their studies over a longer period than that prescribed for day students, and pay a proportionate amount of fees each year. By completing 5 yrs.' evening work at the Univ. or at approved institutions, exemption from the first 2 yrs. of the B.E. course may be obtained. Enrolments are accepted from students resident in Queensland and Northern New South Wales. Students with two units to their credit will be accepted from outside Queensland and Northern New South Wales or, in certain cases, from overseas. Persons who, having matriculated, are unable to attend lectures at or in connexion with the Univ., may pursue by correspondence certain courses in the Faculties of Arts, Commerce, Law, and Education, under the guidance of the Director of External Studies. They may thereby, provided they pass the usual degree examns. (which may be held at local centres), qualify for degrees. Examinations are held anywhere in Australia or overseas.

FEES. Matricn., £2 : 2s.; admission *ad eundem statum*, £2 : 2s.; Lecture Fees for single subject per Term, £4 : 4s.; Composition Fees for complete Degree Course in the Facs. of Arts, Comm. and Education, 24 to 36 gs. p.a.; Law, approx. £36 p.a.; Science (Pure), Science (Applied), Engineering and

Veterinary Science, 40 to 42 gs. p.a. ; Architecture, 42 gs. 1st 3 yrs., 24 gs. 4th and 5th yrs., 20 gs. 6th yr. ; Dentistry, £68 p.a. ; Medicine, £170 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., £600 p.a. ; Monsanto Res. Scholp. tenable for maximum of 2 yrs., £450-£600 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. £110 per year.

PUBLIC EXAMINATIONS are held by the Univ. annually in Nov.-Dec. : Junior and Senior. For matricn., the corresponding public examns. of the other Australian Univs. are recognized subject for subject as equivalent to these. *See also* Appendix I.

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 1951 in French, German, Malay, Japanese, Dutch and Italian.

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.

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 1951

SUBSTANTIAL BENEFACTIONS. Archbishop Duhig, 3 seismographs and associated equipment to Geol. Dept., for exper. work in detecting hurricanes off Q'ld. coast; late W. B. Darker bequeathed £2000 to found in perpetuity scholps. in Engin.; Mount Isa Mines Ltd. and Mount Morgan Ltd., an infra-sizer and superpanner to Dept. of Min. Engin.

NEW BUILDINGS. At St. Lucia, temp. lab. for Dept. of Electr. Engin. completed, and work continued on extension of Main Bldg. Shortage of materials prevented any real progress being made with Phys. bldg. Addtl. accomm. at Vet. Sch. completed early in yr.

NEW DEPARTMENTS AND POSTS. Sr. Lectrs. in Civil, Mech. and Min. Engin., Geol., Maths., Law and Vet. Sci. (2).

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Sir Richard Livingstone, Corpus Christi, Oxford: The John Thomson Memorial Lectures.

RETIREMENT. A. Cayger (Biol.).

HONORARY DEGREES CONFERRED. *LL.D.*—Anna F. Bage.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1881	1450
Women	384	299
Total	2265	1749

Included in the above are 99 postgraduate students and 928 first-year admissions (incl. both matriculated and non-matriculated).

DEGREES. B.A., 90; M.A., 4; B.Ed., 2; LL.B., 14; B.Com., 44; B.Sc., 60; M.Sc., 7; B.App.Sc. (Med. Sc.), 6; B.App.Sc., 6; M.App.Sc., 2; B.Agr.Sc., 8; M.B., B.S., 84; M.S., 3; B.D.Sc., 61; B.E., 50; B.S., 9; B.V.Sc., 11; B.Sc. (For.), 8.

DIPLOMAS AND CERTIFICATES. *Dipls.*, Educn., 7; Comm., 6; Physiotherapy, 25; Phys. Educn., 11; Archit., 5; Mech. and Electr. Engin., 50. *Certifs.*—Educn., 37; Accty., 35.

UNIVERSITY OF SYDNEY*

Founded 1850

Postal Address : Sydney, New South Wales.

Telephone : MW0522.

VISITOR—H.E. THE GOVERNOR.

CHANCELLOR—SIR CHARLES BICKERTON BLACKBURN, O.B.E., B.A.
Adel., M.D., Ch.M., F.R.C.P. Lond. and Edin., F.R.A.C.P.

DEPUTY-CHANCELLOR—The Hon. Mr. Justice E. D. ROPER, B.A., LL.B.

VICE-CHANCELLOR—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.Sc. Corn.,
D.Sc.Agr. Dean and Prof.

Waterhouse, W. L., M.C., D.Sc.
Agr., D.I.C. (Plant Pathol.
and Agric. Bot.) Res. Prof.

Campbell, K. O., M.A., Ph.D. Chic.,
M.P.A. Harv., B.Sc. Agr.
(Agric. Econ.) Reader.

Senior Lecturers

Vincent, J. M., B.Sc.Agr., 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.) (on leave).

Breyer, B. Z., Ph.D. Bonn, M.D.
Padua (Agric. Chem.).

Lecturers

Anderson, R. H., B.Sc.Agr. (For-
estry).

Bowman, F. T., Ph.D. Mich.,
M.Sc. Calif., B.Sc.Agr. (Fruit
Culture).

Fisher, J. R., B.Sc.Agr. (Cereal
Chem.).

Baker, E. P., Ph.D. Calif., B.Sc.
Agr. (Plant Pathol.).

Sullivan, G. D., B.Sc. Wales
(Agric. Bot.).

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.

Lecturers

Cleland, K. W., M.B., B.S. (Cytol.).

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

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.
 Hogbin, H. I. P., Ph.D. Lond., M.A. Reader.
 Capell, A., Ph.D. Lond., M.A. (Oceanic Langs.) Reader.

Archæology

Trendall, A. D., M.A. Camb., M.A., Litt.D. N.Z., F.S.A. Prof.
 Stewart, J. R. B., M.A. Camb. Sr. Lectr.

Architecture

Ashworth, H. I., M.A., B.Arch. Manc., F.R.I.B.A., F.R.A.I.A. Dean and Prof.
 (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. Bud.
 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.
 Whatley, F. R., B.A., Ph.D. Camb.

Lecturers

Eden, Eva, M.A., Ph.D. Camb.
 Mattocks, K. M., M.B., B.S.

Botany, v. also Agric.

Baas-Becking, L. G., M.A., D.Sc. Utrecht, Ph.D. Stanford
 Hon. Res. Prof.
 McLuckie, J., M.A. Glas., D.Sc. Reader.
 Mercer, F. V., Ph.D. Camb., B.Sc. Adel. Sr. Lectr.
 Beadle, N. C. W., D.Sc. Sr. Lectr.
 Smith-White, S., B.Sc.Agr. Lectr.
 Hotchkiss, A., Ph.D., M.S. Corn. Lectr.

Chemistry

Le Fèvre, R. J. W., D.Sc., Ph.D. Lond., F.R.I.C. Prof.
 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. (on leave).
 Iredale, T., D.Sc. Lond., B.Sc., F.R.I.C.
 Mellor, D. P., D.Sc. Tas.

Senior Lecturers

Hughes, G. K., B.Sc. Adel.
 Ritchie, E., M.Sc.
 Dwyer, F. P. J., D.Sc.

Lecturers

Lyons, L. E., B.A., M.Sc.
 Angyal, S. J., Ph.D. Bud.
 Broe, J. J., M.Sc., Dip.Ed. Q'ld.
 Gibson, N. A., M.Sc., Ph.D.
 Cymerman-Craig, J., Ph.D., B.Sc. Lond., D.I.C.

Dentistry, v. *infra*

Divinity, v. *infra*

Economics

Butlin, S. J., M.A. Camb., B.Ec. Dean and Prof.
 (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., B.A. Oxon., B.Com.
Tas.

Lecturers

Laffer, K. M., B.A. W.Aust.
(Econ.).

Bridge, A. B. K. I., LL.B. (Com.
and Ind. Law).

Edwards, H. R., B.A. (Econ.
Stats.) (on leave).

Ginswick, J., B.Sc. (Econ.) Lond.
(Econ. Hist.).

Simpson-Lee, G. A. J., B.Ec.
(Econ.).

Wilson, J. R., B.Ec. (Econ.)
(on leave).

Drane, N. T., B.Ec. (Econ. Stats.).

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.

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

Milgate, W., M.A. (Engl. Lit.)
Challis Prof.

Mitchell, A. G., Ph.D. Lond., M.A.
(Early Engl. Lit. and Lang.)
McCaughey Prof.

Howarth, R. G., B.Litt. Oxon.,
B.A., F.R.S.L. Reader.

Oliver, H. J., M.A. Sr. Lectr.

Russell, G. H., Ph.D. Camb., M.A.
N.Z. Sr. Lectr.

Herring, Thelma G., B.A. Oxon.,
M.A. Lectr.

Wilkes, G. A., B.A., Dip.Ed.
Lectr.

Forestry, v. Agric.

French

Henning, I., D. de l'U. Paris, B.A.
McCaughey Prof.

Jackson, R. F., B.A. Sr. Lectr.

Woodward, L. D., D. de l'U. Paris,
B.A. Sr. Lectr.

Tallon, G.-M., L. ès L., Ag. des L.
Paris Lectr.

Geography

Holmes, J. M., B.Sc., Ph.D. Glas.
McCaughey Prof.

Andrews, J., Ph.D. Camb., B.A.
Sr. Lectr.

Mackenzie, W. D., B.Sc. Lectr.

Devery, P. J., B.Sc., Dip.T.C.P.
(Phys. G.) Lectr.

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.

German and Comparative Lit.

Farrell, R. B., Dr.phil. Berl.,
M.A. Dean and McCaughey
Prof.

Crossley, R. G., Dr.phil. Freiburg,
B.A. W.Aust. Sr. Lectr.

Greek

Trendall, A. D., M.A. Camb., M.A.,
Litt.D. N.Z., F.S.A. Prof.

Shipp, G. P., M.A. Camb., B.A.
(Comp. Philol.) Reader.
Treweek, A. P., Ph.D. Lond.,
B.A. Sr. Lectr.
Quincey, J. H., M.A. Oxon.

Lectr.

Histology and Embryol., v. Anat.

History

Ward, J. M., M.A., LL.B.
Challis Prof.

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. (on leave).

Italian

Shaw, R. A., M.A. Melb. Sr. Lectr.
McCormick, C. A., B.A. Camb.
Lectr.

Latin

Smith, R. E., M.A. Camb. Prof.
Shipp, G. P., M.A. Camb., B.A.
(Comp. Philol.) Reader.
Powe, A. B., M.A. Q'ld. Sr. Lectr.
Robinson, A. H., M.A. Sr. Lectr.
Nicholls, J. J., M.A. Camb., B.A.
Lectr.

Law, v. *infra*

Mathematics

Room, T. G., M.A. Camb., F.R.S.
(Pure M.) Dean and Prof.
Bullen, K. E., Sc.D., Ph.D. Camb.,
M.A. N.Z. and Melb., B.Sc.
N.Z., F.R.S., F.R.A.S. (Appl.
M.) Prof.

Senior Lecturers

Thorne, H. H., M.A. Camb., B.Sc.,
F.R.A.S. (Appl. M.).
Smith-White, W. B., M.A. Camb.,
B.Sc. (Pure M.) (on leave).

Chong, F., M.A. Camb., M.Sc.
(Pure M.).

Westfold, K. C., D.Phil. Oxon.,
M.A., B.Sc. Melb. (Appl. M.).
Mulhall, H., B.Sc. (Appl. M.)

Lectr.

Smith, R. A., B.A. Camb., B.Sc.
(Pure M.) Lectr.

Medicine, v. *infra*

Mining, v. Engineering

Music

Peart, D. R., B.A., B.Mus. Oxon.
Prof.

Platt, P., B.A., B.Mus. Oxon.
Lectr.

Oriental Studies

..... Prof.

Pharmacology

Thorpe, R. H., Ph.D., B.Sc. Lond.
Prof.

Pharmacy

Wright, S. E., M.Sc. Q'ld., Dip.
Pharm. Sr. Lectr.
Large, Dorothy K., B.Sc. Lectr.

Philosophy

Anderson, J., M.A. Glas. (on leave)
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.

Wellmuth, J. J., M.A. St. Louis,
Ph.D. Mich. Lectr.

Physics

Love, W. H., Ph.D. Camb., B.Sc.
Actg. Prof.

Bailey, V. A., M.A., D.Phil. Oxon.,
F.I.P.

(Experimental P.) Prof.
Makinson, R. E. B., Ph.D. Camb.,
B.Sc. Reader.

Senior Lecturers

Fraser, M., M.A., D.Phil. Oxon.
 Builder, G., Ph.D. Lond., B.Sc.
 W.Aust.

Lecturers

Guest, P. G., M.Sc.
 Bannon, J., B.Sc. N.U.I., D.Sc.,
 F.I.P.

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.
 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.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.T.M.
 (Biol. and Soc. Hyg.).

Wellmuth, J. J., M.A. St. Louis,
 Ph.D. Mich. (Soc. Philos.).

Sebire, Irene B., M.B., B.S. Melb.,
 D.P.M. (Mental Health).

Davies, Mrs. Eneid, Dip.Diet.
 Lond. (Nutr. & Family Bud-
 geting).

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.).

Jelbart, J. M., B.A. (Legal Aspects
 of Soc. Work).

Statistics

Mulhall, H., B.Sc. Actg. Lectr.

Veterinary Science

Carne, H. R., D.V.Sc.
 (V. Pathol. and Bacteriol.
 Dean and Hughes
 Prof.

Gunn, R. M. C., B.Sc. Edin.,
 D.V.Sc., B.Sc.Agr. Prof.
 Emmens, C. W. D.Sc., Ph.D.
 Lond. (V. Physiol.) Prof.

Senior Lecturers

Whitehouse, F., B.V.Sc. (Zootech-
 nol.).

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. Para-
 sitol.).

Drabble, J., B.V.Sc. (Meat Inspec-
 tion).

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., B.Sc., B.Sc. (Vet. Sci.) Lond. (V. Physiol.).

Larsen, L. H., B.V.Sc. (V. Surg. and Obstet.).

Osborne, Virginia E., B.V.Sc. (V. Anat.).

Whittem, J. H., B.V.Sc. (V. Pathol. and Bacteriol.).

Zoology

Murray, P. D. F., M.A. Camb., B.Sc. Oxon., D.Sc.

Challis Prof.

Briggs, E. A., D.Sc. Reader.

Senior Lecturers

Colefax, A. N., B.Sc.

Woodhill, A. R., D.Sc.Agr. (Entomol.) McCaughey Sr. Lectr.

Birch, L. C., D.Sc. Adel., B.Agr.Sc. Melb.

Salter, K. E. W., B.Sc. (Entomol.) Lectr.

Dentistry

Ceramics

Grainger, W. A., M.D.S. Lectr.

D. Anatomy and D. Histology

Gabriel, A. C., D.D.Sc. Sr. Lectr.

D. Bacteriology

Goldsworthy, N. E., Ph.D., D.T.M. & H., D.P.H. Camb., M.B., Ch.M. Lectr.

D. Jurisprudence

Ash, W. P., B.A., LL.B. Lectr.

D. Materia Medica and Therapeutics

Crane, L. G., D.D.Sc. Lectr.

D. Pathology

Cameron, D. A., M.D.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.

Jolly, M., B.D.S. Lectr.

Mumford, G., B.D.S. Lectr.

Orthodontia

Benson, W. N., D.D.Sc. Lectr.

Periodontia

Kirkpatrick, R. M., D.D.Sc. Lectr.

Prosthetic Dentistry

Senior Lecturers

Graham, C. H., D.D.S. North-western, M.D.S.

Mackinnon, K. P., M.D.S.

Martin, N. D., M.D.S.

Lecturers

Wilson, J. H., D.D.Sc. (also Partial Denture Construction).

Allcock, B. H., B.D.S.

Divinity

Ecclesiastical History

Thom, W. C., M.A., B.D., Ph.D. Aberd. Hd. of Dept.

New Testament Language and Literature

Brown, 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, 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.

Wittrick, W. H., M.A. Camb.,
Ph.D. Sr. Lectr.

Chemical E.

Hunter, T. G., D.Sc., Ph.D. Birm.
Prof.

Lecturers

Parker, H. H. S., B.Sc.

Ellis, J. N., B.E.

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., B.E.

Potter, O. S., B.Sc., B.E.

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. (Communi-
cation E.).

Robinson, R. B., B.Sc., B.E.

Tasny, L., Ing.Dr.Tech. Brunn.

Lecturer

Murray, C. T., B.Sc. (Electron.).

Honorary Lecturer

Munro, G. H., D.Sc. N.Z., F.I.P.

Mechanical E.

McDonald, G. G., B.Sc., Ph.D.
Glas. Russell Prof.

Gibson, W. H. H., B.Sc., M.E.
Reader.

Senior Lecturers

Hart, K. R. M., B.Sc., M.E.

Vonwiller, G. B., B.Sc., B.E. (E.
Des. and Draw.).

Lecturers

Peterson, V. R., B.A., B.Sc., B.E.
Boomsma, M., Ing. Amst. (Mech.
E. Des.).

Bayley, H. G., B.E.

Sherwood, A. A., B.Sc. (Eng.)
Lond.

Ross, G. F. Hon. Lectr.

Mining E.

Adams, P. L., B.Sc. Birm. (Coal M.)
Sr. Lectr.

..... Russell Lectr.

Law

Shatwell, K. O., B.A., B.C.L.
Oxon.

Challis Prof. and Dean.

Bankruptcy

Manning, J. K. 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 and Mercantile Law
Evans, J. D., B.A., LL.B.
Challis Lectr.

Conveyancing
Watts, P. R., B.A., LL.B.
Challis Reader.

Criminal Law
Treatt, V. H., M.M., Q.C., M.A.,
B.C.L. Oxon., B.A.
Challis Lectr.

Equity Law
Stephen, F. C., B.A., LL.B.
Challis Lectr.

Industrial Law
Sheldon, W. S., B.A., LL.B.
Hyman Lectr.

International Law and Jurispr.
Stone, J., B.A., D.C.L. Oxon.,
LL.M. Leeds, S.J.D. Harv.
Challis Prof.

Introductory Jurisprudence
Thomson, D. C., B.A., LL.B.,
W.Aust. Sr. Lectr.

Law
Benjafield, D. G., LL.B. 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
Barracrough, F. E., M.A., LL.B.
Lectr.

*Procedure, Pleading and Evi-
dence*
Lynch, C. B., B.A. Actg. Lectr.

*Property and Divorce and Do-
mestic 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 and Private International
Law*
Morison, W. L., D.Phil. Oxon.,
B.A., LL.B. Sr. Lectr.

Medicine

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

Anæsthetics
Hotten, W. I. T., M.B., Ch.M.,
D.A., F.R.A.C.P.
Lectr. and Tutor.

Tutors
Marshall, S. V., M.B., Ch.M.
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.
Francis, N. W., M.B., Ch.M.

Bacteriology
de Burgh, P. M., M.B., B.S.
Bosch Prof.

Child Health
Dods, L. F., M.V.O., D.C.H. Lond.,
M.D., Ch.M., F.R.A.C.P.
Prof.

Diseases of Ear, Nose, Throat
Halliday, G. C., M.B., Ch.M.,
F.R.C.S. Lectr.

Diseases of the Skin
Belisario, J. C., 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.A.C.S. Lectr.

Gynæcology, Clinical

Lecturers

- Chapman, C. L., D.S.O., V.D., M.B.,
Ch.M., F.R.C.S., F.R.A.C.S.
Chenhall, F. N., M.B., B.S.,
F.R.C.S., F.R.A.C.S.
Stening, M. J. L., M.D., B.S.,
F.R.C.S., F.R.A.C.S.
Duggan, A. R. H., M.B., Ch.M.,
F.R.A.C.S.

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.,
F.R.C.S.
Loxton, J. C., M.B., B.S., F.R.C.S.
Moon, A. A., M.B.E., M.B., Ch.N.,
F.R.C.S.
Kennedy, M. M., M.B., B.S.,
F.R.C.S., F.A.C.S.

Infectious Diseases

- Symington, N. J., M.B., Ch.M.
Lectr.

Medical Jurispr. and Ethics

Lecturers

- Sheldon, S., M.B., Ch.M., B.Sc.
(Med. Jurispr.).
Hunter, J. G., M.B., Ch.M., B.Sc.
(Med. Eth.).

Medicine

- Lambie, C. G., M.C., M.D., Ch.B.
Edin., F.R.C.P. Bosch Prof.

Lecturers

- Tyrer, J. W. H., M.B., B.S.
Morrow, A. W., M.B., B.S.,
F.R.A.C.P. (Therapeutics).
Brown, K. S. M., M.B., Ch.M.
(Hist. of Med.).

Medicine, Clinical

Lecturers

- Susman, E. L., M.B., Ch.M.,
F.R.A.C.P.
Bye, W. A., O.B.E., M.B., Ch.M.,
F.R.A.C.P.
Maddox, J. K., V.D., 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., D.C.H. Lond.,
M.D., Ch.M., F.R.A.C.P.
Jeremy, R., M.B., Ch.M.,
F.R.A.C.P.
Brodziak, I. A., M.B., B.S.
Evans, W., M.C., M.B., F.R.C.P.,
F.R.A.C.P.
Willcocks, G. C., O.B.E., M.C.,
M.B., Ch.M., F.R.C.P.,
F.R.A.C.P.

Medical Tutors

- Goulston, S. J. M., M.C., M.B.,
B.S.
Harris, R. L., M.B., B.S.
Harrison, K. S., M.B., B.S., D.T.M.
Calov, W. L., M.B., Ch.M., D.T.M.,
F.R.A.C.P.
McGuinness, A. E., M.C., M.B.,
B.S.
Sibree, E. W., M.D., B.S.
Nelson, S. G., M.B., B.S., B.Sc.
Bateman, T. P. G., M.B., B.S.
Corlette, E. L., M.B.E., M.B., B.S.
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.
Pufflett, R. D., M.B., B.S.
Manning, W. K., M.B., B.S.
Conomy, A. B., M.B., B.S.
Ritchie, F. L., M.B., B.S.
Latham, J. V., M.B., B.S.

Halliday, E. J., M.B., B.S.
 McDonald, G. L., B.A., M.B.,
 B.S.
 Reader, S. R., M.B., B.S.
 Deakin, J. H., M.B., B.S.
 Stuckey, D. S., M.B., B.S.
 Deck, M. F., M.B., B.S.
 Hogan, A. B., M.B., B.S.
 Read, F. H., M.B., B.S.
 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.

Newborn, Care of

Lecturers

Winning, Kathleen M., M.B.,
 Ch.M.
 Cunningham, N. C., M.B., B.S.,
 F.R.A.C.P.
 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. 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.).

Tutors

Richardson, K. S., M.B., B.S.
 McCredie, H. A., M.B., Ch.M.
 Howell, K. J., M.B., Ch.M.
 Stevenson, R. B. C., M.B., Ch.M.
 Hobson, A. F., O.B.E., M.B., B.S.,
 F.R.C.S.
 White, M. M., M.B., B.S., B.Ec.
 Benson, Lois E., M.B., B.S.,
 D.G.O.
 Grant, A. M. B., M.B., B.S.,
 F.R.C.S.
 Moon, A. A., M.B.E., M.B., Ch.M.,
 F.R.C.S.

Obstetrics, Clinical

Lecturers

Hughes, T. D., M.B., Ch.M.,
 F.R.C.O.G.
 Williams, H. B., M.B., Ch.M.,
 F.R.C.O.G., F.R.A.C.S.
 Murray, A. J., O.B.E., M.B.,
 Ch.M., F.R.C.S.
 Saunders, Ida B., M.B., Ch.M.

Ophthalmology

Flynn, J. A. F., V.D., M.B., Ch.M.,
 D.O. Oxon., D.O.M.S. Lond.,
 F.R.A.C.S. Lectr.

Pathology

Magarey, F. R., M.D. Adel. Prof.
 ten Seldam, R. E. J., Arts Leiden
 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. 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 Edin., 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., M.B., B.S. Melb.,
F.R.C.S., F.A.C.S., F.R.A.C.S.
Dean and Bosch Prof.

Surgery, Clinical

Lecturers

Flynn, M. R., B.A., M.D., Ch.M.,
B.Sc., F.R.A.C.S.
MacMahon, J. S., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S.
Niesche, F. W., M.B., M.S. Melb.,
F.R.A.C.S.
Winston, C. E., M.B., Ch.M.,
F.R.A.C.S.
Coppleson, V. M., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S.
Loewenthal, L. S., M.B., Ch.M.,
F.R.A.C.S.
Goulston, E. H., M.B., B.S.,
F.R.C.S.I., F.R.A.C.S.
Susman, M. P., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S.
Turnbull, H. I., M.B., B.S., B.Sc.,
F.R.C.S., F.R.A.C.S.
Nelson, T. Y., M.B., Ch.M.,
F.R.A.C.S.

Tutors

Johnson, A. S., M.B., M.S.,
F.R.A.C.S.
Barling, E. V., M.B., B.S.,
F.R.C.S., F.R.A.C.S.
Turnbull, H. I., M.B., B.S., B.Sc.,
F.R.C.S., F.R.A.C.S.
Hedberg, E. A., M.B., M.S.,
F.R.C.S.

Malcolm, R. J. W., M.B., Ch.M.,
F.R.C.S., F.R.A.C.S.
Spencer, S. L., M.B., B.S., F.R.C.S.,
F.R.A.C.S.
Kenny, P. J., M.B., M.S., F.R.C.S.,
F.R.A.C.S.
McGrath, W. S., M.B., B.S.
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.
Maxwell, C. M., M.B., M.S.,
F.R.A.C.S.
Peipman, E. V., M.B., M.S.
Wilson, T. E., M.D., M.S., M.Sc.
Melb., F.A.C.S., F.R.C.S.,
F.R.A.C.S.
Flynn, M. R., B.A., M.D., Ch.M.,
B.Sc., F.R.A.C.S.
Rundle, F. F., M.D., B.S., F.R.C.S.
Tomlinson, P. A., O.B.E., M.B.,
M.S., F.R.A.C.S.
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.
Dunn, R. M., M.B., M.S.,
F.R.A.C.S.
Furber, J. F. M., M.B., M.S.
Blackwood, F. J. A. H., M.B.,
B.S. Lond., F.R.C.S.,
F.R.A.C.S.
Spence, J. W., M.B., B.S., F.R.C.S.
Fleming, J. P., M.B., M.S.
Newton, N. C., M.B., M.S.
Fowler, N. A., M.B., B.S.
Schreiber, M. Sofer, M.B., B.S.,
F.R.C.S.

Tropical Medicine

Baldwin, A. H., M.B., B.S., D.P.H.
Melb., D.T.M. & H. Lond.,
F.R.A.C.P. Prof.

Tutorial Classes

Wilson, J. L. J., B.A. N.Z.
Actg. Dir.
Higgins, E. M., B.A. Melb.

Special Lectureships

Palmer, V. (Aust. Literature).
Mander-Jones, Phyllis, B.A.

Actg. Asst. Dir.

9 Full-time Tutors and 52 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. McClenahan, 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. Assoc. Sec. to Appts. Bd.: Isabel D. McKinney. 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—R. L. Harris, M.B., B.S. 17 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—Prof. R. E. Smith, M.A. Camb. 2 Fellows and 15 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. 13 Lectrs.

THE WOMEN'S COLLEGE (undenominational), Newtown, Sydney. (*Telephone*: LA1195.) Principal—Helen E. Archdale, LL.M. Lond., B.A. McG. 8 Lectrs.

SANCTA SOPHIA COLLEGE (R.C. Women), Camperdown, Sydney. (*Telephone*: LA2467.) Principal—Rev. Mother Nita Macrae, B.A. Vice-Principal—Mother Mary Hore, B.A. 9 Lectrs.

COLLEGE OUTSIDE THE METROPOLITAN AREA

NEW ENGLAND UNIVERSITY COLLEGE, ARMIDALE, N.S.W. Established by the University of Sydney, 1938. See p. 968.

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 £5000. 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 Dep.-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 (1951), £1,218,915: State Govt. grants, 35 per cent.; Commonwealth Govt. grants, 23 per cent.; fees, 35 per cent.; endowments, 4 per cent.; other, 3 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 Eng.); *Law*, Prof. K. O. Shatwell; *Medicine*, Prof. H. R. Dew (Surgery); *Science*, Prof. T. G. Room (Maths.); *Vet. Science*, Prof. H. R. Carne (Vet. Pathol.).

THE FISHER LIBRARY, 1951, expenditure £13,195; 338,950 vols. **MUSEUMS:** Nicholson collection of Egypt., Greek and Roman Antiq.; Macleay Nat. Hist.; Anat. and Anthropol., Wilson; Pathol., Obstetric, Mat. Med. **LABORATORIES:** Schools of Med., Engin. and Archit. (atelier), Bot., Chem. (including Metall. and Res.), Geol., Phys., Zool. **FIELD STATIONS:** Crommelin Biological Stn., Pearl Beach, Woy Woy (biological res. on central coast of N.S.W.). Castle Hill Res. Stn. (metropolitan area), Waterhouse Plant Breeding

Stn., Curlew (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; The Royal North Shore and Repatriation General (Concord) (General); Royal Hospital for Women and Women's Hospl., Crown St., King George V. Memorial Hospl. for Mothers and Babies (Obstet. and Gynaecol.); Royal Alexandra Hospl. for Children (Paediatrics); a number of others are recognized for special postgrad. trng.

The grounds, which include the sites of the Colleges grouped round an oval, cover 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.

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 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 Medicine)—B.Sc.(Med.); 3 yrs.—B.A., B.Sc.; 4 yrs.—Hons. B.A., Hons. B.Sc., B.Sc.For., B.Sc. in Agric., B.Ec., LL.B., B.D.S., B.E. (in Civil Engineering, Mechanical and Electrical Engineering, Mining, Chemical Engineering or Aeronautical Engineering; 5 yrs.—B.V.Sc., B.Arch., Hons. B.Sc. in Agr.; 6 yrs.—M.B., B.S.; 2 yrs.' advanced study or research (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 articulated clerk. B.D. 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.), Law (LL.D.), Med. (M.D.), Sci. (D.Sc.), Engin. (D.Sc.Eng.), Dent. Sci. (D.D.Sc.), Vet. Sci. (D.V.Sc.), Agric. (D.Sc.Agr.), Ph.D. (see "Postgrad. Study," *infra*).

DIPLOMAS—Postgraduate: Education (Dip.Ed.), Anæsthesia (D.A.), C. Pathology (D.C.P.), Dermatological Med. (D.D.M.), Gynæcology and Obstetrics (D.G.O.), Laryngology and Otorhinology (D.L.O.), Ophthalmology (D.O.), Psychological Medicine (D.P.M.), Public Health (D.P.H.), Diagnostic Radiology (D.D.R.), Therapeutic Radiology (D.T.R.), Tropical Med. and Hygiene (D.T.M. & H.); not restricted to graduates: Anthropology (Dip. Anth.), Pharmaceutical Science (Dip. Pharm.), Social Studies (Dip. Soc. Stud.), Town and Country Planning (Dip. T.C.P.).

POSTGRADUATE STUDY AND RESEARCH FACILITIES. The Univ. offers postgrad. courses for the Dipl. in Educn. and, through the Postgrad Cttee. in Med., courses in those med. fields specified *supra* 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 of B.A., B.Sc., B.Sc. (Med.), B.Sc. (For.), B.Sc. (Agr.), and B.Ec., £3; B.D., B.V.Sc., M.A., M.Sc., M.Sc. (Agr.), and M.Ec., £5; 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 School, 4 yrs.), £274; (Hons. in two Schools, 4 yrs.), £325; Div., 3 yrs., £181; Law, 4 yrs., £375 (Arts subjects addl.); Law, 5 yrs. £388 (Arts subjects addl.); Med., 6 yrs., £698 (excluding hospl. attendance' £20, and Practical Midwifery, £23); Sci. (Pass, 3 yrs.), £331; (Hons., 4 yrs.) £391; Engin., 4 yrs. (Civil, Mech. and Electr., and Aeronaut.), £521; (Chem. Mining), £566; Dent., 4 yrs., £506 (excluding Dent. Hospl., £15 p.a.); Vet Sci., 5 yrs., £454 (excluding residence at Univ. Farm, £12); Agric. (Pass

4 yrs.), £405 (Hons., 5 yrs.), £466; Econ., 4 yrs. (Day students), £343, and 6 yrs. (Evening students), £366; Archit., 5 yrs., £576.

SCHOLARSHIPS, ETC., FOR GRADUATES. Demrs. are appointed annually in each Scientific Dept. with the obligation to carry out research under the direction of the Prof.; 14 travelling scholps. or fellowships are awarded from time to time for postgrad. study and res. abroad; in addition, there is a limited number of postgrad. scholps. which may be held locally; 4 Macleay Fellowships of £400 p.a. each are awarded by the Linnean Society to B.Sc.s.

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 Kabeiroi of the Univ. (dining club for graduates and undergraduates).

RESIDENCE. The six Colls. within the Univ. (v. *supra*) provide accomm. for the number of students specified: St. Paul's Coll., 116, fees £165 p.a.; St. John's Coll., 81, fees £150 p.a.; St. Andrew's Coll., 124, fees £170 p.a.; Wesley Coll., 123, fees £168 p.a.; The Women's Coll., 95, fees £160 p.a.; Sancta Sophia Coll., 66, fees £160. 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. Asscn. 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 1952, 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, estab'd. 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.: Fl.-Lt. L. Hawes, D.F.C. Temp. H.Q., Dymock's Bldg., 424 George St., Sydney. (*Telephone*: MA6942.)

STUDENT ATHLETIC FACILITIES. For men there are 4 ovals and 12 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 (10s.); *Handbooks* of the Fac. of Arts (annually), 3s. 6d., and to the Nicholson Museum of Antiquities (18s.); *Prospectuses* of the Dept. of Social Studies and Sch. of Divinity (annually); *The Gazette* (quarterly); Annual Examn. Papers in sets (6d.); reprints of papers contributed to periodicals by staff members; *The Union Recorder* (weekly during term).

THE YEAR 1951

SUBSTANTIAL BENEFACTIONS. Estate late Gertrude C. Davey, £15,000 for res. in arthritis or kindred ailments; estate of late W. A. King, £10,367 for med. res.; estate late Hilda V. Marks, £3800 for med. res.; estate late Mrs. Delia Reid, £1500 for cancer res.; anon. (George Shirley Memorial), £1000 for res. and teaching in Soil Analysis; Burroughs Wellcome & Co. (Aust.), Ltd., £699 for res. fellowship in Experimental Pharmacol.; Aust. Dental Assocn., £650 for dental res. scholp.; Drug Houses of Aust., £700 for res. fellowship in Pharmacol.; James Hardie & Co., Pty., Ltd., £1250 for res. scholp. in Geology; Aust. Jockey Club, £509 for res. fellowship in Pharmacol.; Timbrol, Ltd., £4857 for res. in Botany; Dunlop Rubber (Aust.), Ltd., £1000 for two postgrad. res. scholps. in Chemistry.

NEW DEPARTMENTS AND POSTS. Readership in Agric. Econ.; Sr. Lectureship in Town and Country Planning; Lectureship in Histol. & Embryol., Music, Child Health and Psychiatry; Hon. Res. Professorship in Bot.; Information Officer.

PRINCIPAL CHANGES IN REGULATIONS. Method of disbursement of moneys; Actg. Dean or Sub-Dean introduced; constitutions of Facs. of Arts, Med., Vet. Sci.; Hons. course in Music for B.A. and M.A. in Music introduced; Doctor of Div. revised; degrees of Bachelor of Med. and Bachelor of Surg. for foreign med. practitioners; Ph.D. degree in Vet. Sci. introduced; Cttee. of Grad. Stud. and Res. introduced; subjects rearranged Facs. Agric. and Vet. Sci.; courses for Dip. T.C.P. 3 yrs. instead of 2; allowance for Public Exhibitions increased.

ADULT EDUCATION. *Univ. Extension.* Courses: German, Scientific German, Russian, Chamber Music, Business Management, Valuation of Real Estate; Business and Law, Physiol. of Plant Cells and Tissues (postgrad.). Lectures (series of), 12 at city and suburban schs., 75 in 24 country towns. Lectrs. (Extension Bd. panel), 54; (for courses), 19. *Tutorial Classes* (in metropolitan area and country districts), 112 (enrolment 3049), discussion groups, 141 (enrolment 2171), kit groups, 53 (enrolment 759). No. of centres, 301. Expenditure, £29,994, for tutorial classes only.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. J. E. Burchard, M.I.T., on scientific educn.; Dr. J. B. Conant, Harv.; Prof. E. C. Dodds, Middlesex Hosp. Med. Sc., Lond., on biochem.; Prof. D. R. Hartree, Camb., on mathematical phys.; Prof. W. G. Holford, Lond., on town planning; Prof. F. D. Kershner, Ohio, on hist.; Sir Richard Livingstone, Oxon., on

classics ; Prof. W. A. Mackintosh, Queen's, Ont., on pol. econ. ; Prof. L. S. Merrifield, Washington, on industrial law ; Prof. J. L. Montrose, Belf., on private and public law ; C. Naunton Morgan, St. Bart.'s and St. Mark's Hospls., Lond., on rectal and colonic diseases ; Prof. A. B. Sutherland, Penn., on English lit.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. N. A. Burges attended UNESCO Regional Conference as a member of the Australian National Committee and UNESCO meeting for advancement of science at Chulalongkorn Univ., Bangkok, Siam ; Prof. J. M. Ward, elected Dominion Fellow of St. John's Coll., Camb., and a delegate to Fifth Anglo-American Conference of Historians at Lond. U.

RETIREMENTS. A. S. Hook (Archit.) ; W. A. Miller (Civil Engin.) ; J. C. Lamrock (Anæsthetics) ; C. G. McDonald (Clin. Med.) ; W. S. Dawson (Psychiatry).

RESIGNATIONS. I. A. Butler (Agric.) ; N. G. Butlin (Econ.), apptd. Sr. Res. Fellow in Econ. Hist., A.N.U. ; N. R. Wills (Econ.), apptd. to staff of Broken Hill Pty. Co., Ltd. ; H. I. S. Thirlaway (Geol.), apptd. Adviser on Development of Geophysical Inst., Pakistan, under UNESCO programme of technical aid to undeveloped countries ; A. H. McDonald (Hist.), apptd. as Official Fellow, Clare Coll., Camb. ; H. G. McQuiggin (Physiol.), to enter private practice ; D. A. Gill (Vet. Sci.) ; A. J. Debenham (Civil Engin.) ; G. B. H. Sutherland (Civil Engin.) ; E. F. Campbell (Elect. Engin.) ; J. D. Holmes (Law) ; R. J. Swaby (Bacteriol.), apptd. as Principal Res. Officer, Div. of Soils, C.S.I.R.O., Adelaide ; H. K. Porter (Gynæcol.) ; T. M. Greenaway (Med. Cl.).

DEATHS. G. Dale (former Registrar) ; R. J. Lyons (Maths.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	977	5376
Women	406	1413
Total	1383	6789

Included in the above are 282 postgraduate students and 1909 new admissions.

DEGREES. D.Sc.Agr., 1 ; B.Sc.Agr., 45 ; B.Arch., 55 ; M.A., 10 ; B.A., 393 ; M.D.S., 4 ; B.D.S., 190 ; M.Ec., 1 ; B.Ec., 108 ; B.E., 198 ; Ph.D. (in Engin.), 1 ; LL.D., 2 ; LL.B., 176 ; M.D., 1 ; M.B., 229 ; B.S., 228 ; Ch.M., 1 ; B.Sc. (Med.), 4 ; D.Sc., 1 ; M.Sc., 32 ; B.Sc., 244 ; B.Sc.For., 12 ; Ph.D. (in Sci.), 3 ; B.V.Sc., 18 ; B.D., 4 ; M.Ed., 1.

DIPLOMAS. Dip. T.C.P., 15 ; Dip.Ed., 177 ; *Dip. Com., 1 ; *Dip. Pub. Ad., 1 ; D.A., 2 ; D.C.P., 8 ; D.D.M., 3 ; D.D.R., 1 ; D.G.O., 2 ; D.L.O., 3 ; D.O., 6 ; D.P.M., 4 ; D.P.H., 3 ; D.T.R., 1 ; D.T.M. & H., 4 ; Dip. Soc. Stud., 29.

* Dip. Com. and Dip. Pub. Ad. now discontinued apart from students already enrolled in courses.

THE NEW ENGLAND UNIVERSITY COLLEGE*

(UNIVERSITY OF SYDNEY)

Founded 1938

Postal Address : Armidale, New South Wales.

Telegrams : University, Armidale.

Telephone : Armidale 432.

CHAIRMAN OF THE ADVISORY COUNCIL—The Rt. Hon. Sir EARLE PAGE,
G.C.M.G., C.H., M.B., Ch.M. 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, F.A.A.

LIBRARIAN—Miss 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.

Bulman, Ruth E., M.Sc. Manit.
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., B.A. Adel. Lectr.
Boehm, E. A., B.Ec. Adel. Lectr.
1 Res. Asst.

Education

Part-time Lecturers

Bassett, G. W., M.A., Dip.Ed.
Syd., Ph.D. Lond.

Kemp, L. C. D., M.A. Syd., B.Ed.
Melb.

Crane, A. R., M.A., Dip.Ed. Syd.,
M.Ed. Melb.

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.

Champenois, G. L., L. ès L. Paris
Temp. Lectr.

* 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.
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. 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., M.A., Dip.Ed.
Syd., B.Ed. Melb.
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.
Blevin, W. R., M.Sc., Dip.Ed. Syd.
Temp. Lectr.
2 Res. Assts.

Psychology

Howie, D., M.A. W.Aust., Ph.D.
Lond. Sr. Lectr.
Barratt, P. E. H., M.A. Syd. Lectr.
Cox, F. M., M.A. Melb. Lectr.
1 Res. Asst.

Zoology

O'Farrell, A. F., B.Sc. Lond.
Sr. Lectr.
Stock, A., Ph.D. Edin., Ph.D.
Vienna Sr. Lectr.
Monro, J. R., B.Sc. Syd.
Temp. 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. to Registrar and Adviser to Women Students,
..... Sec. to Registrar and to Advisory Council, Evangeline Harris. Asst.
Accountant, W. Dodds.

LIBRARY. Asst. Librarians, Patricia Fordyce, Thelma Ashton.

UNIVERSITY RESIDENCES. Household Administrator, I. Madge Brown.

UNIVERSITY FARM. Manager, T. A. Crowley.

GENERAL INFORMATION

The New England University College was established as a branch of the University of Sydney on Jan. 1, 1938, by the Senate of the Univ. of Sydney under powers given to it by the University and University Colleges (Amendment) Act of 1937. It was established in accordance with the expressed wish of the people of Northern New South Wales and for the purpose of providing educn. at Univ. level for country students particularly. New England thus

became the first experiment in Univ. decentralization in Australia, unique in this country in being almost wholly residential. The N.S.W. Govt. bore the cost of converting the property to its present use and of providing additional bldgs., and has more recently provided funds for the building of temp. hostel accomm. to house 75 students. The Commonwealth Govt. made funds available under the Commonwealth Reconstruction Training Scheme for the erection of another large bldg. to provide additional lecture-rooms, labs. and staff studies.

Of recent years, increasing demands have been made upon the Govt. of New South Wales for the granting of independence to the New England Univ. Coll., and it is now regarded as likely that it will become the autonomous, degree-granting University of New England in the near future.

FACULTIES AND CHAIRMEN OF FACULTY CTTEES. *Arts*, E. J. Tapp, M.A.; *Science*, F. B. Dudley, B.Sc.

LIBRARY. Dixon Library, approx. 21,000 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 courses leading to the Sydney Dipl. in Educn. Graduates in certain subjects may also proceed to the Master's degree of the Univ. of Sydney.

POSTGRADUATE STUDY AND RESEARCH. Facilities available, especially in Hist. and Economics, Chem., Phys., Bot., Zool., Geol. and Geog.

FEES. The Univ. of Sydney schedule of fees applies also at the New England Univ. Coll.

ADULT EDUCATION. A Dept. of Tutorial Classes under a Sr. Staff Tutor organizes adult educational activities in the New England region. Classes cover a wide variety of subjects ranging from Spoken and Written English and Current Affairs to Landscape Painting and Weaving.

The ARMIDALE TEACHERS' COLLEGE provides facilities for teacher trainees who are undertaking Univ. courses and for graduates who are pursuing the Dipl. in Educn. course.

STUDENT RESIDENCES. Accommodated 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 £3 : 5s. Except for those whose homes are in Armidale or who are married, all students are required to come into residence.

UNIVERSITY MILITARY FORMATION. "D" Co. of the Sydney Univ. Regiment is recruited at the Coll.

STUDENT HEALTH SERVICE. Each student is required to contribute £1 : 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 Soc.* (annually). *Monographs on New England Regional Research* (from time to time).

THE YEAR 1951

BENEFACTIONS. Numerous donors to the Development Fund, £20,582; Hon. D. H. Drummond, £1000; Commonwealth Bank of Australia, £1000.

ADULT EDUCATION WORK. 21 classes on widely varied subjects (enrolment of 312 in 6 centres up to 70 miles distant from Armidale). Establishment of 7 Discussion Groups (enrolment of 79), 4 Kit Groups (enrolment of 48) and Sch. of Animal Husb. (enrolment of 68).

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. H. R. Carne (Syd.), Veterinary Science; T. I. Moore (Canberra), Australian Literature; F. H. Johnston (Melb.), University Affairs; Prof. J. R. A. McMillan (Syd.), on Agriculture; L. F. Fitzhardinge (A.N.U.), Australian History; Prof. A. H. McDonald (Syd.), Ancient History; Prof. R. E. Smith (Syd.), Latin; A. J. T. Ford (Sec., Aust. Vice-Chancellors' Cttee.), University Administration; Sir Richard Livingstone (Oxon.), University Education; Prof. W. A. Mackintosh (Queen's, Ont.), River St. Lawrence.

RESIGNATIONS. H. M. Schroder (Psychol.); E. A. Russell (Econ.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	18	129
Women	6	75
Total	24	204

Included in the above are 34 postgraduate students and 65 first-year admissions.

DEGREES. *Arts*: B.A., 26. *Science*: B.Sc., 21.

UNIVERSITY OF TASMANIA*

Founded 1890

Postal Address : Box 647c G.P.O., Hobart.

Telegraphic Address : University, Hobart.

Telephone : Hobart 7266.

VISITOR—H.E. The Rt. Hon. Sir RONALD HIBBERT CROSS,
Governor of Tasmania.

CHANCELLOR—The Hon. Sir JOHN DEMETRIUS MORRIS, K.C.M.G., M.A.,
LL.B. Melb.

VICE-CHANCELLOR—Prof. T. HYTTEN, M.A.

REGISTRAR—A. S. PRESHAW, B.A. W.Aust., F.C.I.S.

LIBRARIAN—L. MILBURN, B.A. Lond., F.L.A.

TEACHING STAFF

Accountancy, v. Comm.

Botany

Barber, H. N., M.A. Camb., Ph.D.
Lond. Prof.

Curtis, Winifred M., M.Sc., Ph.D.
Lond. Sr. Lectr.

Paton, D. M., B.Sc. Lectr.
1 Demr.

Chemistry

Kurth, E. F., D.Sc. Prof.

Polya, J. B., Dipl. Ing. Chem.,
D.Sc.Tech. Zür. F.R.I.C.

Sr. Lectr.

Kelly, F. H. C., M.Sc. Melb.

Sr. Lectr.

Allen, J. A., M.Sc. Q'ld., Ph.D.
Brist. Sr. Lectr.

Smythe, L. E., M.Sc. Syd. Lectr.

Bick, I. R. C., M.Sc. Q'ld., Ph.D.
Camb. Lectr.

4 Demrs., 1 Lab. Offr.

Classics

Elliott, J. R., B.A. Syd., M.A.,
Dip.Class.Arch. Camb. Prof

Waters, K. H., M.A. Camb.

Sr. Lectr

Richmond, Barbara M., B.A.

Pt.-time Lectr.

Commerce

Firth, G. G., B.Sc. (Econ.) Lond.
Prof.

Dallas, K. M., B.Com. Sr. Lectr.

Lecturers

Lithgow, G., M.A. Glas., B.A.
Oxon.

Hagger, A. J., B.Com. Melb.

Part-time Lecturers

Hewer, A. R., F.I.C.A. (Accy.).

Burbury, S. C., Q.C., LL.B.

Asten, W., B.A., Dip.Ed. Manc.

Education

Hardie, C. D., M.A. Camb. Prof.

Doe, T. E., B.Sc. Sr. Lectr.

Lecturers

Hills, W., B.A.

Collins, T. G., B.Sc., Dip.Ed.

Perkins, W. H., B.A., Dip.Ed.

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

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.

Lecturers

Griffiths, A. E. H., B.Sc. Lond.
Brownell, C. D., B.E.
Szomanski, E., M.Sc. Warsaw.
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. (on
leave) Prof.
Banks, M. R., B.Sc. Syd. Lectr.
Spry, A. H., M.Sc. Adel. 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.
Townsend, 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.

Lecturers

Roulston, R. P., LL.B. Syd.
Iliffe, J. A., B.C.L. Oxon.
Solomon, H. J., B.A., LL.B.
(Pt.-time).

Chambers, D. M., 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. 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. Sr. Clerk: Linda E. Weidenhofer.

LIBRARY. Asst. Librarian: D. H. Borchardt, M.A. N.Z.

PHOTOGRAPHIC DEPT. TECHN.: T. S. McMahon.

AFFILIATED RESIDENTIAL COLLEGE

CHRIST COLLEGE, Park St., Hobart. (*Telephone*: Hobart 4580.) Warden—Rev. A. A. W. Gray, M.A. For University and Theological students only, fees £118 p.a. Accommodation, 36.

AFFILIATED SCHOOLS

MT. LYELL SCHOOL OF MINES AND INDUSTRIES, Sticht St., Queenstown. (*Telephone*: Queenstown 36.) Registrar—E. W. Woolley, B.Sc.

HOBART TECHNICAL COLLEGE, Bathurst St., Hobart. (*Telephone*: Hobart 3005.) Principal—T. W. Rees, B.Com.

LAUNCESTON TECHNICAL COLLEGE, Wellington St., Launceston. (*Telephone*: L'ton 887.) Principal—W. G. Speers, B.Sc.

GENERAL INFORMATION

Founded in 1890 under an Act of the Tasmanian Legislature, the Univ. was 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 1935–38 but the Lectureship has lapsed. The State Govt. Grant for 1951–52 was £100,305 and the Commonwealth Grant approximately £50,199. 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 £32,650 from the State Govt. and £9261 from the Commonwealth Grant for those depts. in 1951–52.

LIBRARY. 78,091 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).

DEGREES, DEGREE COURSES. 3 yrs., B.A., B.A. (Hons.), B.Sc., B.Ec., B.Com.; 4 yrs., B.Sc. (Applied), B.Sc. (Applied) (Hons.), B.Sc. (Hons.), B.E., B.E. (Hons.), B.For., B.Econ. (Hons.); 5 yrs., LL.B., LL.B. (Hons.). DEGREES COMPLETED ELSEWHERE: First yr. of courses leading to degrees in Med., Dent. and Agric. Sci. (Melbourne or Adelaide), Vet. Sc. (Sydney).

HIGHER DEGREES. Open to Bachelors of 2 yrs.' standing, M.A., M.Sc., LL.M., M.Ec., M.Com., Ph.D. (Sci. and Engin.); 3 yrs.', M.E.; 6 yrs.', D.Sc.; 7 yrs.', D.Litt., LL.D.; to Masters of 3 yrs.' standing, LL.D.

DIPLOMAS. Postgraduate; Public Admin., 2 yrs.' course; Educn., 1 yr.'s course. **CERTIFICATES.** Public Admin., Educn., 2-yr's. course. **DIPLOMAS OF THE AFFILIATED SCHOOLS:** Elect., Mech. and Struct. Engin., App. Chem., Chem. Engin., Metall., Assaying and Metal Mining.

EVENING CLASSES: Evening classes held for Commerce and Econ. students, who may gain degrees by pt.-time study.

FEES. Matricn., £1 : 1s., *ad eundem statum*, £1; Admission to Degrees, Bachelors, £3 : 3s. Including examn.; Masters, £10 : 10s.; Doctors, £15 : 15s.; Degree Courses (full-time) in Arts (3 yrs.), £75; Sci. (3 yrs.), about £115; Sci. (Hons.) (4 yrs.), about £150; Sci. (Appl.) (4 yrs.), about £180; Engin. (4 yrs.), £170; Law (5 yrs.), £147; Commerce (3 yrs.), £80. Courses spread over longer periods than the minima would cost more.

PUBLIC EXAMINATIONS. Matricn.; Music (held in conjunction with other Australian Univs.).

POSTGRADUATE SCHOLARSHIPS AND GRANTS. Commonwealth Research Scholcs., £300-£350 p.a.; I.C.I.A.N.Z. Research Fellowship (from a grant made by the Imperial Chemical Industries of Australia and New Zealand Ltd.), £600 p.a.

APPOINTMENTS BOARD. Establishment of Appts. Bd. is provided for by statute, but operations suspended as little call on its services in present period of full employment.

GRADUATES' ASSOCIATION. Tasmanian Women Graduates' Assoc. Pres., Mrs. J. P. Radford, Box 485A, G.P.O., Hobart.

STUDENTS' UNION. Tasmania Univ. Union; Sec., N. Blewett.

STUDENTS' RESIDENCES. (*See also* Affiliated College): Jane Franklin Hall (Women), 308 Davey St. (*Telephone:* Hobart 5728). Accomm. for 18; Fees, £111 p.a.; Principal, Miss M. L. O. Horsfall, B.A., Dip.Ed., F.R.S.A.

PUBLICATIONS. *Univ. Calendar* (May, 3s.); *Matriculation Manual* (July, 3s.); *Details Degree Examns.* (June, 6d.); *Degree Examn. Papers* (May, Pt. I: Arts, Law, Commerce, 2s. 6d.; Pt. II: Sci. and Engin., 2s. 6d.); Students' paper, *Togatus* (monthly).

THE YEAR 1951

BENEFACTIONS. Electrolvtic Zinc Co., £50,000, Austral Bronze Co., £500, anon. source, £10,000 for erection of Students, Hall of Residence; I.C.I.A.N.Z., £600 p.a. for res. fellowship; Davies Bros. Ltd., £300 p.a. for scholp. for student willing and able to carry out duties of Editor of Students' newspaper *Togatus*; Mrs. J. B. Bridgen, £1000 for memorial to late Prof. J. B. Bridgen; various donors, £1125 for infantile eczema research; anon. gift of £500 for general purposes.

NEW BUILDINGS. Maths. Dept. moved into temp. bldgs. on new Univ. site; temp. bldg. for Science Library also erected on this site.

NEW FACULTIES, DEPARTMENTS. Fac. of Educn., which will have charge of training of teachers previously controlled by Dept. of Educn. within the Fac. of Arts; Psychol. and Philos., previously a jt. dept., separated; sub-dept. of Geog. with Sr. Lectr. in charge; Sr. Lectr. in Theoret. Phys.

CHANGES IN REGULATIONS. University Act revised. Main changes (a) to vest new site at Sandy Bay in the Univ.; (b) to increase membership of Council by 2, the new members being apptd. by Governor on recommendation

of Council ; (c) to provide that the Chancellor should hold office for 4-yearly period ; (d) to provide for award of hon. degrees. LL.M. Rules amended to provide for award of degree on a thesis instead of examn. and short thesis. Rules of Matriculation amended to provide mature age matric. for people over 23 and permit admission of unmatriculated overseas students under certain circumstances.

FINANCE. A new scheme of Commonwealth Grants came into force. Under this scheme, which will be in force for 3 yrs. in the 1st place, the Commonwealth Government will divide annually a maximum sum of £1,128,000 between the State Univs. This consists of (a) primary grant of £803,000, of which Tasmania's share was £33,127 ; (b) secondary grant of a maximum of £300,000, of which Tasmania's share was £8700. This scheme replaces previous Commonwealth grants towards training of ex-service students and towards research.

VISITS OF TEACHERS FROM OTHER UNIVERSITIES. Prof. W. A. Mackintosh, Queen's, Ont. (Pol. Sci.) ; Prof. J. L. Montrose, Belf. (Law) ; Prof. J. L. Russell, Birm. (Philos.) ; Prof. D. R. Hartree, Camb. (Maths. and Phys.).

VISITS BY MEMBERS OF STAFF. The Vice-Chancellor attended the Inter-Commonwealth Universities' Conference in India as one of the 2 Australian representatives ; Prof. A. L. McAulay, Camb. (Phys.).

RETIREMENT. Prof. E. M. Miller, Prof. of Psychol. & Philos.

RESIGNATIONS. Prof. J. C. Jaeger (Appl. Maths.), apptd. Prof. of Geophys., A.N.U. ; C. S. Soper (Econ.), awarded Scholp. of A.N.U. ; G. C. Israel (Phys. Chem.), apptd. Sr. Lectr., Univ. of Hong Kong.

HONORARY DEGREE. LL.D.—Sir Harilal Kania, Chief Justice of India.

STUDENTS.

	<i>Part Course</i>	<i>Full Course</i>
Men	246	167
Women	95	46
Total	341	213

Included in the above are 18 postgraduate students and 136 new admissions.

DEGREES AWARDED. B.A., 20 ; B.A. (Hons.), 14 ; M.A. (*ad eundem gradum*), 1 ; B.Com., 14 ; B.Ec., 4 ; B.Ec. (Hons.), 1 ; B.E., 14 ; B.E. (Hons.), 2 ; LL.B., 4 ; LL.B. (Hons.), 3 ; B.For., 1 ; B.Sc., 25 ; B.Sc. (Hons.), 7 ; M.Sc., 2 ; D.Sc., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Dip.Ed., 17 ; Cert. Ed., 5 ; Dip.Pub.Ad., 1.

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. GILLET, B.A., LL.B.

PRO-CHANCELLOR—A. J. REID, C.M.G., I.S.O., B.A.

WARDEN OF CONVOCATION—P. J. BARBLETT, B.A., LL.B.

ACTING VICE-CHANCELLOR—N. S. BAYLISS, B.A. Oxon., B.Sc. Melb.,
Ph.D. Calif.

REGISTRAR—C. SANDERS, Ph.D. Lond., M.A., 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., Prof.

Readers

Stewart, A. M., B.Sc. (Agric.).
Millington, A. J., M.Sc. (Agric.).

Lecturers

Drover, D. P., B.Sc. Syd.
Moir, R. J., B.Sc. (Agric.).
Scutt, P. B., M.Sc. Melb. (on
leave).
Jitts, Audrey, B.Sc. Syd.

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.

4 Pt.-time Lectrs., 2 Tech. Assts.

Botany

Grieve, B. J., M.Sc. Melb., Ph.D.
Lond. 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.
White, D. E., B.Sc., D.Phil. Oxon.
(Org. C.)

Reader, Hd. of Dept.

Senior Lecturers

Elliott, G. A., M.Sc., Ph.D. Lond.
Miller, J., B.Sc., Ph.D. (Org. C.)
Lond.
Stokes, R. H., D.Sc. N.Z., Ph.D.
Camb.

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

Lecturer

Levien, Barbara J., M.Sc. N.Z.

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.

Classics and Ancient Hist.

Austin, M. N., M.A. Oxon. Prof.

Ward, Miss Islay, B.A. Oxon.
and W.Aust. Lectr.*Dental Science*Sutherland, K. J. G., M.B., B.S.,
B.D.Sc. Prof.Taylor, R. L., M.D.Sc. Syd
(Prosth.) (on leave) Reader.

Senior Lecturers

Brinsden, G. I., B.D.Sc.

Jitts, J., B.D.S. Syd.

Richardson, B., D.Sc. Melb.

10 Pt.-time Lectrs., 1 Tech. Asst.,
1 Photographer.*Economics*Mauldon, F. R. E., B.A., M.Ec.
Syd., Litt.D. Melb. Prof.Dowsett, W. T., M.Ec. Syd.
Sr. Lectr.Harris, Miss Merab, M.A., Ph.D.
Lond. Sr. Lectr.

Lecturers

Cook, A., B.A.

Gentilli, J., D.Sc. Venice (on
leave).

Oxnam, D. W., M.A. N.Z.

6 Pt.-time Tutors.

*Education*Cameron, R. G., M.A. Syd.
Dean, Fac. of Educn.,
-Prof.Wheeler, D. K., Ph.D. Lond.,
B.A., Dip.Ed. Sr. Lectr.

Merrilees, D., B.Sc. Syd. Sr. Lectr.

Gray, R. K., B.Sc.(P.E.) McG.,
M.A. N.Y. Sr. Lectr.Priest, T. A., B.A. N.Z., Ed.B.
Glas. Lectr.Howe, Evelyn, Dip. Phys. Ed.
Melb., B.A. Tas. Lectr.
18 Pt.-time Lectrs.*Engineering*..... Prof.
Taplin, K. W., B.E. (Elect. E.) (on
leave) Reader, Hd. of Dept.
Downs, B., M.Eng. Liv. (Mech. E.)
Reader.

Senior Lecturers

Espie, J. R., B.E. (Hydr.).
Dean, Fac. of Engin.

Lutz, G. G., B.E. (Mech. E.).

Townsend, W. G., B.E.
Sr. Lectr. and Test.
Officer.Hill, G. B., D.Phil. Oxon., B.E.
Sr. Lectr.

Lecturers

Bundell, J. H., B.E. (Elect. E.).

Fall, J. V., B.E. (Elect. E.).

Hondros, G., B.E. (Civil E.).

Minchin, R. S., B.E. (Mech. E.).

Silvester, R., B.E. (Hyds.).

1 Pt.-time Lectr., 2 Tech. Assts.

English

Edwards, W. A., M.A. Camb.

King, A., M.A. Oxon. Prof.
Sr. Lectr.
Burrows, L. R., M.A. Sheff.
Sr. Lectr.

Lecturers

Bradley, D., B.A. Melb.

Elkin, P. K., B.A. Syd., B.Litt.
Oxon., Dip.Ed. Syd.

Tweedie, Jean, M.A. Melb.

Watson-Williams, Helen B., B.A.
Oxon.1 Pt.-time Lectr., 2 Grad. Assts.,
2 Pt.-time Tutors.*French*Tauman, L., L. ès L., D. de l'U.
Aix, D. ès L. Paris

Sr. Lectr., 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.
1 Pt.-time Lectr.

History

Alexander, F., M.A. Melb. and
Oxon.
Dean, Fac. of Arts, and
Prof.
Legge, J. D., M.A. Melb. Lectr.
Crowley, F. K., M.A., Ph.D. Melb.
Lectr.
1 Pt.-time Lectr., 1 Pt.-time Tutor.

Italian

Vanzetti, F. Pt.-time Lectr.

Law

Beasley, F. R., B.A. Oxon., LL.B.
Syd. Dean, Fac. of L., Prof.

Senior Lecturers

Brett, P., LL.B. Lond.
Downer, L. J., B.A. Oxon.,
LL.B. Syd.
Parsons, R. W., B.A., LL.B. Syd.
6 Pt.-time Lectrs.

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.
1 Grad. Asst., 1 Pt.-time Tutor.

Philosophy

Fox, A. C., M.A. Syd. Prof.
Grave, S. A., M.A. N.Z. Lectr.
McCloskey, H. J., M.A. 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. Reader.
Williams, S. E., M.Sc. Syd., Ph.D.
Brist., F.R.A.S. Sr. Lectr.
Jeffery, P. M., B.Sc. Lectr.
Morton, A. H., M.Sc. Lectr.
Swan, J. B., M.Sc. Melb. Lectr.
Lucas, L. N. D., M.Sc., Ph.D.
Lond. Lectr.
1 Tech. Asst.

Psychology

Walker, K. F., M.A. Syd. and
Harv., Dip. Anthropol. Syd.
Prof.
Marshall, A. J., B.A., Ph.D. Lond.,
F.B.Ps.S. Reader.
Morey, Elwyn A., Ph.D. Calif.,
M.A., B.Ed. Melb. Sr. Lectr.
Taft, R., B.A. Melb., 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.
Main, A. R., B.Sc. Lectr.
Finch, Mary E., B.Sc. Lectr.
Malcolm, B., B.Sc. Res. Officer.
Sheard, K., M.Sc. Res. Officer.
Sharman, G., B.Sc. Tas.
Res. Officer.
3 Grad. Assts., 2 Tech. Assts.

ADMINISTRATIVE AND OTHER STAFF

UNIVERSITY OFFICE. Asst. Registrar : A. J. Williams, B.A., Dip.Ed. Clerk of Examns. and of Convocation : L. A. W. Richards, B.A., Dip.Com. Asst. Sec. for Public Examns. : Enid M. Keen. Sub-Accountant : W. Meiklejohn. Sr. Financial Admin. Assts. : K. V. Benwell ; W. A. Hayward. Maintenance Supervisor : H. S. Holley. Filing and Records Clerk : J. Bailey.

LIBRARY. Asst. Librarian : Edith M. Child, B.A. Sr. Assts. : H. Kathleen Edmiston, B.A. ; Anthea Williamson, B.A.

ADULT EDUCATION. Dir. : Prof. F. Alexander. Asst. Dir. : J. Birman. Tutor-Organizer (country) : F. Ponton. 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 £425,000 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 £140,000 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 £250,000 has been carried out since the war, but large-scale bldg. developments, including the establishment of a Medical School, have had to be deferred because of bldg. difficulties.

The University at present receives a statutory annual grant from the State Government and additional annual appropriations for current revenue from the same source. The total State grant in 1951 was approx. £240,000 and a grant of approx. £100,000 was received from the Commonwealth Govt. Total expenditure on all activities, including Public Examns. and Adult Educn., is between £350,000 and £400,000.

The administration is vested in a Senate of 21 members, of whom six are nominated by the Government and seven are *ex officio* or co-opted members. A second body with mainly elective and revisionary functions is known as

Convocation. Convocation elects 6 members of the Senate and the teaching staff 2 members.

LABORATORIES. Agric., Anat., Bot., Chem., Dent., Geol., Engin., Phys., Physiol., Psych., Zool. **MUSEUMS.** Agric., Bot., Geol., Zool.

LIBRARY. Total volumes, 102,000. Accessions during 1951, 7354.

FACULTIES AND DEANS. *Agriculture*, Prof. E. J. Underwood; *Arts*, Prof. F. Alexander; *Dent. Sci.*,; *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.

HIGHER DEGREES. M.A., M.Ed., D.Litt., M.Sc., D.Sc., D.D.Sc., M.E., D.Eng., LL.M., LL.D. and Ph.D. In Arts and Sci. a Master's degree cannot be obtained in less than 5 yrs. from matricn. All higher degrees involve research. To proceed to a Master's degree a student must graduate with Hons. or pass an Hons. examn.

EVENING OR LATE AFTERNOON CLASSES are held in the Facs. of Arts and of Educn. only, but certain Science 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 £40 in the facs. of Arts, Law and Education and £50 in scientific facs. Lecture fees are charged for courses taken at the W.A. College of Dental Science. Except in the first yr. of the degree course in Dental Sci., overseas students are charged the same fees as local students. Approx. fees for local Dental students are : 1st yr., £38 ; 2nd, 3rd and 4th yrs., £70 ; 5th yr., £50.

RESIDENCE. University Hostel (accomm. for 120 men). A separate portion of the Hostel has been set aside for women and is now temporarily conducted as a Women's Coll. Accommm. for 60 women. (See under "Residential Colleges," above.) Fee : about £3 : 15s. per week. Enquiries regarding the Men's Hostel should be addressed to the Manager. St. George's Coll. (v. *supra*) provides accomm. for 90 men students at a cost of approx. £136 p.a.

PUBLIC EXAMINATIONS. School Certifs. (Jr. and Leaving), Music and Art of Speech. School Certif. Examns. held annually in Nov. ; practical examns. in Music and Art of Speech between Aug. and Dec. See also Appendix I.

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.

ADULT MATRICULATION. Persons who have attained the age of 25 yrs. may be admitted as matriculated students in the Facs. of Sci., Agric., and Dental Sci., Engin., if the Fac. concerned is satisfied that they possess sufficient educational qualifications. For these Faculties also there is an examination for adult students alternative to the ordinary matriculation examination of the University; in the Facs. of Arts and Education there is a special examination open to persons who have attained the age of 23 yrs., or to persons who are 18 yrs. and over but have not been full-time day students in a secondary school since reaching the age of 16 yrs. This examination includes an intelligence test, a test in English composition and a test in a prepared subject.

ADULT EDUCATION. Adult Educn. work is controlled by the Univ. Adult Educn. Bd., which has its headquarters and library in Chancery Hse., Howard St., Perth. Its activities, which are State-wide and include extension lectures, orchestral concerts, drama, opera and ballet, are carried on in the metropolitan area of Perth as well as in country districts. Annual Summer School held in Jan. at the Univ.

STUDENT ORGANIZATION. The student organization is known as the Guild of Undergraduates and the student bldg. which forms part of the Hackett Memorial bldgs. is known as Hackett Hall. Annual subscription to the Guild is £4 : 18s., but in first yr. students pay an extra £1 : 1s. registration fee. Pt.-time students pay a proportionate fee.

ATHLETIC ACTIVITIES, ETC. The Univ. grounds contain 3 main sporting ovals as well as grass tennis courts, hockey and basket-ball grounds. There are 2 open-air theatres—the Somerville Auditorium seating 2000 and the Sunken Garden seating 400—for concerts and drama. The lawns are also used, during the annual Summer School, for folk-dancing. The Univ. is situated beside the Swan river and aquatic sports, including rowing, are popular.

ARMY AND AIR FORCE UNITS. There is a Univ. regiment and an Air Force unit.

PUBLICATIONS. *Calendar*, 5s. ; *Orientation Handbook*, free to new students ; *University Gazette*, 3d. ; *Public Examn. Manual*, 3s. 6d. ; *Black Swan* (Students' Magazine). The Science Union is responsible for an annual magazine, *Scope*, and the Arts Union for a quarterly magazine, *The Arts Quarterly*. Individual publications are undertaken by the Univ. Text-Books Board, which controls the Univ. Bookshop and acts as a publishing organization. The Univ. has a Publications Committee which also sponsors publications. The *Annual Law Review*, 7s. 6d., and the *Educand*, 5s., are published under the auspices of the Cttee.

THE YEAR 1951

BENEFACTIONS. £39,000 from a no. of donors towards establishment of Med. Sch. ; £10,000 to Inst. of Agric. for Res. (including £2500 from the Commonwealth Bank and £3076 from Wheat Pool of W. Aust.) ; Nuffield Foundation, £10,000 for Res. in Chem. and Zool.

NEW BUILDINGS. Alterations and extensions to Law Sch. and to Depts. of Geol., Bot. and Zool. ; the Univ. continued bldg. houses for its staff and 9 were erected in 1951 (a total of 25 since early in 1948, and 40 altogether).

NEW POSTS. Chair in Psychol ; Sr. Lectureship and Lectureship in Phys. Educn. ; Sr. Lectureship in Philos. ; 2 Sr. Lectureships in Law ; Sr. Lecture-

ship and Lectureship in Econ. ; Sr. Lectureship in Gen. Sci. ; Lectureship in Hist. ; Lectureship in Educn. ; Lectureship in Geol.

ADULT EDUCATION. The Adult Education Bd. conducted many activities in 1951 in country centres and the metropolitan area, in many cases linked with performances to celebrate the Jubilee of the Commonwealth of Australia. In addition to classes, public lectures, Box Discussion Group Schemes, and Library activities, the Bd. conducted 22 music recitals, 43 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 260 people.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Richard Livingstone (Oxon.) ; Sir Edward Mellanby ; Dr. J. E. Burchard (M.I.T.) ; Prof. E. C. Dodds (Courtauld Inst. of Biochem., Middx. Hosp. Med. Sch., Lond.) ; Dr. E. B. Ford (Oxon.).

RESIGNATION. H. J. Hopkins (Structural Engin.), apptd. to Chair of Civil Engin., Canterbury U.C.

DEATH. Sir James Mitchell, Governor of Western Australia, Visitor to the Univ., 1933-51.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	544	754
Women	196	234
Total	740	988

Included in the above are 151 postgraduate students and 471 new admissions.

DEGREES AWARDED. B.Sc. (Agric.), 26 ; M.Sc. (Agric.), 2 ; B.A., 85 ; M.A., 4 ; B.D.Sc., 8 ; B.Ed., 3 ; B.E., 51 ; B.Sc. (Eng.), 3 ; LL.B., 15 ; Ph.D., 1 ; B.Sc. (For.), 1 ; B.Sc., 81 ; M.Sc., 5.

DIPLOMAS AWARDED. Dip.Ed., 16.

CANBERRA UNIVERSITY COLLEGE *

Founded 1930

Postal Address : P.O. Box 197, Canberra City, A.C.T.

Telegrams : Unicol, Canberra.

Telephone : Canberra 618, 619, F401, F402.

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.
1 Pt.-time Lectr.

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.
Cameron, R. J., B.Ec., Dip.Com.
Adel. (on leave) Lectr.
Ruth, N. T., M.A. N.Z.
Temp. Lectr.
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.
1 Pt.-time Tutor.

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., B.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.
5 Pt.-time Lectrs.

Mathematics

Greenhalgh, H., M.A. Q'ld.
Pt.-time Lectr.

Modern Languages

Scales, D. P., B.A. Syd. (French)
Prof.
Koch-Emmery, E. K. T., M.A.
Adel., Ph.D. Vienna Lectr.
6 Pt.-time Lectrs., 2 Pt.-time
Tutors.

Oriental Languages

Bielenstein, H., fil. lic. Stockholm
Prof.

Pacific Studies

[Sr. Lectr.
Moore, T. I., B.A. Syd., M.A. Oxon.

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

<i>Philosophy</i>	<i>Political Science</i>	[Prof.]
Gibson, Q. B., B.A. Melb., M.A. Oxon. Sr. Lectr.	Crisp, L. F., M.A. Oxon. and Adel. Beddie, B. D., B.A. Syd. (on leave) Lectr.	
Donagan, A. H., B.A. Melb. (on leave) Lectr.	Burns, C. L., B.A. Melb. and Oxon. Lectr.	
Benjamin, B. S., B.A. Melb., B.Phil. Oxon. Temp. Lectr.	<i>Psychology</i> [Sr. Lectr.] Pentony, P., M.A. W.Aust.	

ADMINISTRATIVE AND OTHER STAFF

Registrar's Asst.: T. J. Keith. 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.

Warden "Gungahlin" Hall of Residence: B. D. Cameron, Ph.D. Camb., M.Ec. Syd.

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 by the Commonwealth Government, and fees received from students. The grant for 1951-52 was £50,160.

The Ordinance incorporates a Council of the College, which consists of ten members, nine appointed by the Governor-General on the advice of the Minister for the Interior (of whom two are nominated by the University Association of Canberra), and one being a member of the teaching staff co-opted by the

Council. The Chairman of the Council is appointed by the Governor-General from among the members of the Council.

LIBRARY. 11,000 vols.

ADMISSION. See Appendix I.

DEGREE COURSES (of the University of Melbourne). Bachelor of Arts; Bachelor of Commerce; Bachelor of Laws; Master of Arts; Master of Commerce.

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, examination, etc.). Degree and Diploma Courses, £7 : 7s. for each subject.

STUDENT RESIDENCE. "Gungahlin," a Hall of Residence for men, 4½ miles from Canberra; accommodates 16 students and a Warden and Deputy Warden. Fees (subject to revision), £5 : 10s. per week (payable for a period not less than a complete academic term).

PUBLICATIONS. *Calendar* (Jan.), 2s.; *Gazette* (Quarterly); *Prometheus* (Students' Magazine) (annually), 2s.; *Woroni*, fortnightly each term; *Commonwealth Literary Fund Lectures*; *Annual Commencement Address*.

THE YEAR 1951

NEW DEPARTMENTS AND POSTS. Sch. of Oriental Langs. (Chinese, Japanese and Russian); addtl. full-time lectureship in Law; post of Student Adviser, to be apptd. by the Principal annually from the academic staff.

PRINCIPAL CHANGES IN REGULATIONS. Regulations in Sch. of Diplomatic Studies altered to provide course of 1 yr's. study in Australian Affairs, Econ., International Politics, Mod. Hist. and Pacific Affairs. Students normally exempted from one of these subjects. Students who fail to pass test in French at beginning of course required to study that subject also in following yr.

OTHER DEVELOPMENTS. Melbourne Univ. granted approval for the Coll. to teach for hons. degrees in certain depts., to make minor departures from Melbourne syllabuses, and, subject to approval of the Univ. in each case, to teach for degrees subjects not taught at the Univ. itself.

Publication commenced of a *Gazette* which appears approx. 4 times p.a. and circulates to other univ. institutions, etc. Practice of asking newly apptd. Profs. to deliver an Inaugural Lecture adopted; the first such lecture was given by Prof. H. W. Arndt (Econ.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	268	17
Women	51	5
Total	319	22

Included in the above are 9 postgraduate students and 141 new admissions.

DEGREES AWARDED. B.A., 7; B.Com., 8; B.Educ., 1; LL.B., 2.

DIPLOMAS AND CERTIFICATES AWARDED. Dip.Com., 5; D.P.A., 1; Diplomatic Studies, 6.

NEW ZEALAND

UNIVERSITY OF NEW ZEALAND (p. 989)

UNIVERSITY OF OTAGO (p. 993)

CANTERBURY UNIVERSITY COLLEGE (p. 1003)

AUCKLAND UNIVERSITY COLLEGE (p. 1009)

VICTORIA UNIVERSITY COLLEGE (p. 1014)

CANTERBURY AGRICULTURAL COLLEGE (p. 1018)

MASSEY AGRICULTURAL COLLEGE (p. 1021)

UNIVERSITY OF NEW ZEALAND*

Founded 1870

Corner Bowen and Mowbray Streets, Wellington.

Postal Address : P.O. Box 8035, Govt. Buildings, Wellington, C.1.

Telegrams : Aude, Wellington.

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, O.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., 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. 993); CANTERBURY UNIVERSITY COLLEGE, CHRISTCHURCH (v. p. 1003); AUCKLAND UNIVERSITY COLLEGE (v. p. 1009); VICTORIA UNIVERSITY COLLEGE, WELLINGTON (v. p. 1014).

ASSOCIATED COLLEGES

CANTERBURY AGRICULTURAL COLLEGE, LINCOLN (v. p. 1018); MASSEY AGRICULTURAL COLLEGE, PALMERSTON NORTH (v. p. 1021).

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 with 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.For.Sc., B.D.; 4 yrs.—B.H.Sc., B.Agr.Sc. (including practical work on farm), B.Arch. (including 18 mos.' practical work), LL.B., B.E. (Mech., Elect., Civ., Mining, Metall.,

including from 9 to 18 mos. in shops, mines or surveying), B.Com.; 5 yrs.—B.D.S.; 6 yrs.—M.B., Ch.B., B.Med.Sc.

HIGHER DEGREES. For Masters' degrees, *i.e.* M.A., M.Sc., M.Com., LL.M., M.H.Sc., M.Agr.Sc., M.Med.Sc., 1 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.

"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; 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 1951

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. Course for the Dipl. in Banking revised. Problems of devolution of certain duties from the Senate of the Univ. to the Academic Bd. and the Colls. fully discussed.

HONORARY DEGREES. D.Sc.—W. N. Benson; J. B. Conant. LL.D.—Sir James Hight.

STUDENTS, 1951.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	4554	3690
Women	1067	1213
Total	5621	4903

Included in the above are 1066 postgraduate students and 2032 first-year admissions.

DEGREES. B.Agr.Sc., 31 ; M.Agr.Sc., 1 ; B.Arch., 7 ; B.A., 368 ; M.A., 127 ; B.Com., 74 ; M.Com., 5 ; B.D.S., 42 ; D.D.S., 2 ; B.D., 5 ; B.E., 97 ; B.H.Sc., 14 ; M.H.Sc., 1 ; LL.B., 51 ; LL.M., 4 ; M.B., Ch.B., 112 ; B.Med.Sc., 2 ; M.D., 4 ; B.Sc., 179 ; M.Sc., 65 ; D.Sc., 1 ; Mus.B., 8 ; Ph.D., 4.

UNIVERSITY OF OTAGO*

Founded 1869

Postal Address : P.O. Box 56, Dunedin.

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—R. S. AITKEN, D.Phil. Oxon., Hon. LL.D. Dal., Hon. D.Sc. Syd., M.D., F.R.C.P., F.R.C.P.Ed.

HON. TREASURER—C. V. SMITH, C.B.E.

REGISTRAR—J. W. HAYWARD, B.Com.

LIBRARIAN—F. H. ROGERS, M.A. Brist., F.L.A.

TEACHING STAFF

Anthropology

Skinner, H. D., D.C.M., M.A.
Camb., D.Sc., Dip.Anth.
Camb., F.R.S.N.Z. Reader.

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.
Faine, S., B.Med.Sc., M.B., Ch.B.

Lectr.
Menzies, D. W., M.B., Ch.B. Glas.
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.
Wyndham, R. A., B.Sc. Syd.

Sr. Lectr.
Ploeser, J. M., B.Sc. Calif.,
Ph.D. Stanford Lectr.

Batt, R. D., Ph.D. (on leave)

Lectr.
Todd, C. M., M.Sc. Asst. Lectr.
Crowley, G. M., M.Sc. Asst. Lectr.

Botany

Baylis, G. T. S., Ph.D. Lond., M.Sc.,
D.I.C. Lectr.-in-charge.
Holdsworth, M., B.Sc., Ph.D.
Lond., D.I.C. Lectr.
Slade, Brenda F., M.Sc. (on leave)
Asst. Lectr.
i Temp. Asst. Lectr.

Chemistry

Soper, F. G., C.B.E., Ph.D., D.Sc.
Wales, F.R.I.C., F.R.S.N.Z.,
F.N.Z.I.C. Prof.
Carter, C. L., M.Sc. Reader.

Lecturers

Corbett, R. E., Ph.D. Camb.,
M.Sc.
Edwards, W. G. H., B.Sc. Lond.
(on leave).
Bottomley, G. A., B.Sc., Ph.D.
Leeds.

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

Fyfe, W. S., M.Sc.
Campbell, A. D., M.Sc.
Murray, J., M.Sc.

Assistant Lecturers

Johnson, F. A., M.Sc.
Hanger, W. G., M.Sc.

Classics

Manton, G. R., M.A. Camb. Prof.
Hamilton, J. R., M.A. Edin.,
B.A. Camb. Lectr.
..... 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.
Allan, N. W., LL.B.
Cook, J. P., LL.B.
Sinclair, R. S. M., B.A., M.Com.,
Dip.Soc.Sc.
Griffiths, W. M., 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.
..... Lectr.
Campbell, W. J., Ph.D. Lond.,
M.A., Dip.Ed. Asst. Lectr.
Hill, C. G. N., 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. Lectr.
Trevor, J. Sp. Lectr.
2 Asst. Lectrs.

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., 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. Lectr.
..... 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 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).

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).
Griffith, Valmai M., M.H.Sc.
(Foods).
Edwards, Mrs. Marjorie M., B.A.,
Dip.Ed. Liv., Dip.Th. Lond.
(on leave) (Household and
Soc. Econ.).

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.
Lectr.
..... Lectr.
Lowe, I., B.A. Camb., B.E., M.Sc.

Medicine, v. infra

Mining and Metallurgy

Williams, G. J., Ph.D. Lond.,
M.Sc., B.E., D.I.C.
Dean of Fac., Prof.
Graham, J. I., M.A. Camb.,
M.Sc. Lond., F.R.C.S.I.,
F.R.I.C., F.I.F. (Coal Res.).
Prof.

Senior Lecturers

Muir, H., B.Met.E. Melb. (Metall.)
(on leave).
Buchanan, D. E., B.E. (Engin.).
Rogers, J., M.Sc. (Mineral Dressing).
Mackie, J. B., M.Sc., B.E., F.G.S.
(Surveying).
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.
..... Lectr.

Music

Galway, V. E., Mus.D. Melb.,
Hon. F.T.C.L. Prof.
Martin, Mary A., Mus.B. Lectr.

Callaway, F., Mus.B.

Pt.-time Lectr.

Philosophy and Psychology

Passmore, J. A., M.A. Syd. Prof.

Grey, D. R., M.A. Oxon. (on leave) 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.

..... Lectr.

1 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.

Lecturers

Symmons, H. F., B.Sc. Brist.

McLellan, A. G., Ph.D. Edin., M.Sc.

Dodd, J. N., M.Sc.

Bogle, G. S., M.Sc.

Assistant Lecturers

Hodgson, E. R., M.Sc. (on leave).

McKenzie, J. M., M.Sc.

Veale, A. W. L., B.Sc. Lond.

Physiology

McIntyre, A. K., B.Sc., M.B., B.S. Syd. Prof.

Rall, W., B.S. Yale, M.Sc. Chic. (Biophys.) Lectr.

Brock, L., B.Sc., M.B., Ch.B. (on leave) Lectr.

Bradley, K., M.Sc. Manc. 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 Lectr.

Jonathan, 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. North-
western, B.D.S. Sr. Lectr.
1 Asst. Lectr.

Prosthetic Dentistry

Craddock, F. W., M.S.D. North-
western, D.D.S., B.A., Dip.
Ed. Assoc. Prof.

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.
Schofield, G. C., M.B., Ch.B.
Lectr.

6 Demrs.

*Bacteriology, v. supra ; v. also
Hyg. and Prev. Med.*

Biochemistry, v. supra

Ear, Nose and Throat

..... Sr. Lectr.
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.

Dempster, G. O. L., M.D., D.P.H.
Asst. Lectr.

Bell, A., M.B., B.S. Durh.
Asst. Lectr.

Currie, Gloria E., B.Sc. (Biostats.)
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.

Caughy, 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. (Tuber-
culosis) Sr. Lectr.

Lecturers

Blake, P. G., 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., S. A., B.Med.Sc., M.D.

Ironside, W., M.B., Ch.B., D.P.M.

Assistant Lecturers

Deem, Muriel H., M.D.
 Begg, N. C., M.B., Ch.B.
 Medlicott, R. W., M.B., Ch.B.
 Stringer, H. C. W., Ph.D. Edin.,
 M.B., Ch.B., D.T.M. & H.
 Edin.
 4 Assts.

Ophthalmology

Wilson, R. P., 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.
 1 Asst.

Pathology

D'Ath, E. F., M.B., Ch.B.,
 F.R.A.C.P. Prof.
 Rodda, R. A., M.D. Sr. Lectr.
 Markham, N. P., D.Phil. Oxon.,
 B.Sc., M.B., Ch.B. Lectr.
 Brückner, J. B., M.D. Budapest
 Lectr.

Assistant Lecturers

Howie, J. B., M.B., Ch.B. (on
 leave).
 Cupit, Barbara F., M.B., Ch.B.
 O'Brien, J. T., M.B., Ch.B.
 McCoy, J. E., M.B., Ch.B.
 Kenealy, W. L., M.B., Ch.B.

*Physiology, v. supra**Radiology*

Sowerby, W., M.D., D.M.R.E.
 Camb., F.R.C.S.Ed., F.F.R.
 Sr. Lectr.
 Begg, A. C., M.D., D.D.R. Lectr.
 Jerram, C. W. S., M.B., Ch.B.
 Lectr.

Stomatology

Walsh, J. P., M.B., B.S., D.D.Sc.
 Melb., F.D.S.R.C.S. Prof.

Surgery

Bell, F. G., M.C., M.D. Edin.,
 F.R.C.S.Ed., F.R.C.S.,
 F.R.A.C.S. Prof.

Nisbet, N. W., L.D.S., F.R.C.S.
 Ed. (Orthop. S.) Assoc. Prof.
 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. (Ven-
 ereal Dis.) 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.
 Pearse, V. T., M.B., Ch.B.,
 F.R.C.S.

Assistant Lecturers

Aldred, 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.

Branch Medical Faculties

Christchurch: Gray, M. K., M.B.,
 Ch.B. (Sub-Dean), with sr.
 staff members of Christchurch
 Public Hospital. *Wellington*:
 Mercer, J. O., M.B., Ch.B.
 (Sub-Dean), with sr. staff
 members of Wellington Pub-
 lic Hospital. *Auckland*:
 Sayers, E. G., M.B., Ch.B.
 (Sub-Dean), with sr. staff
 members of Auckland Public
 Hospitals.

Adult Education

Hall, D. O. W., M.A. Camb., Dir.;
 Home Science Extension, 4
 Tutors; General Adult Edu-
 cation, 6 Tutors.

ADMINISTRATIVE AND OTHER STAFF

Accountant : G. M. Broad, B.Com. Asst. to the Registrar, Paula F. Rathbone, M.A. 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. 1951 : Gen. Univ. Funds, £410,694 (govt. grants, 73 per cent., student fees, 13 per cent., endowment lands, gifts, bequests, 4 per cent., other sources, 10 per cent.) ; Res., Scholps. and sp. funds, £61,823 ; allied instns. (Museum, Adult Educn.), £22,093 ; Total, £494,610.

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, 97,000 vols. Medical Library, 19,500 vols. ; also the Hocken collection of 11,000 books, pamphlets and MSS. relating to hist. of N.Z. and the Pacific.

LABORATORIES, MUSEUMS, FIELD STATIONS. Labs. in all Sci., Med., Dental, Mining and Home Sci. depts. (*v.* Teaching Staff). Otago Museum (ethnol., biol. and general, including Cook collection of Roman and Greek coins) ; Departmental Museums in Anat., Pathol. and Geol. Marine Biological Station, Portobello (10 miles from Dunedin).

TEACHING HOSPITALS. Dunedin Public (400 beds) ; Queen Mary Maternity (44) ; Seacliff Mental (1200) ; Christchurch Public (583) ; Wellington Public (916) ; Auckland Public (577), and in Auckland city, Cornwall (631), Greenlane (594), Middlemore (306).

ENTRANCE REQUIREMENTS (*see* Univ. of New Zealand—Matric., p. 990). 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 Society (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 (Anglican), 72 men; Knox College, Opoho, Dunedin, N.E.1 (Presbyterian), 107 men; St. Margaret's College, Leith St., Dunedin, N.1 (Presbyterian), 124 women; Arana Hall, 110 Clyde Street, Dunedin, N.1 (Interdenominational), 70 men; Carrington Hall, 57 Heriot Row, Dunedin, N.1 (Interdenominational), 48 men and 52 women; Dominican Hall, 44 Park Street, Dunedin, N.1 (Catholic), 34 women; Studholme House, 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 1951

BENEFACTIONS. Dunedin Savings Bank, £1000 for Otago Museum; Trustees of late Sir Percy Sargood, £500 for Home Sci. Hostel Bldg. Fund and £2000 for Students' Union Bldg. Fund; sundry donors, £1000 for Home Sci. Hostel Bldg. Fund; anon. donors, £450 for Otago Museum.

NEW POSTS. 4 Lectureships, 5 Sr. Lectureships.

ADULT EDUCATION. Refresher leave taken by two Adult Educn. staff members: Miss E. E. Carpenter (Sr. Tutor) to U.S.A. for study of home-making, Mrs. M. M. Dunningham (Tutor-Organizer) to U.K. and Europe for art and design appreciation.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. G. G. van Deusen (Hist.), Fulbright scholar, Rochester, N.Y.; Prof. D. N. Smith (Engl. Lit.), Adel. and Oxon.; Prof. K. C. Edwards (Geog.), Nott.; Eric Linklater (Engl. Lit., World Affairs), former Rector of Aberd.; Prof. P. A. S. Smith (Chem.), Fulbright scholar, Michigan; Prof. J. W. Miles (Phys.), Fulbright scholar, Calif.; Prof. M. Stewart (Pathol.), Leeds, as first Harold Chaffer Lectr.; Dr. P. Wood (Cardiol.), Dir. of Inst. of Cardiol., Lond., as special lectr. to postgrad. course in cardiol. at Auckland Branch of Med. Fac.; Sir Edward Mellanby, former Sec. of Med. Res. Council of Gt. Britain; Lady Mellanby (Nutrition); Prof. Manter (Zoology), Fulbright scholar, Nebraska; Prof. D. M. Dunlop (Med.), Edin., as Sims Commonwealth Travelling Prof.; Pres. J. B. Conant, Harv.; Dean E. R. Griswold, Harv.; Sir Reginald Watson-Jones (Orthopædic Surgery), London Hosp. Med. Coll., as Sims Commonwealth Travelling Prof.; Sir William Gilliatt (Obstet. and Gynæcol.), King's Coll. Hosp. Med. Sch., Lond.; Dr. R. E. Grim (Clay Mineral.), Illinois; Dr. W. N. Pickles (Epidemiol.), Wensleydale, Yorks.

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. On refresher leave—Prof. E. Gregory (Home Sci.), Australia, Gt. Britain, Scandinavia, U.S.A.; Prof. F. G. Soper (Chem.), Gt. Britain and U.S.A.; Prof. V. E. Galway (Music), Gt. Britain; Dr. H. Bernadelli (Econ.), Gt. Britain as Rockefeller Fellow; D. H. Monro (Philos.), Gt. Britain as Nuffield Fellow; Prof. W. P. Morrell (Hist.), Rhodes Univ., as Hugh le May Fellow; S. L. Wilson (Surg.), U.S.A.; L. E. Richdale (Zool.), U.S.A., as Fulbright scholar; Assoc. Prof. F. W. Craddock (Prosthet. Dent.), Australia, on invitation of Victoria Branch of Australian Dental Assocn. to provide 6-day postgrad. course in full denture prosthesis; J. W. Hayward, Registrar, Australia, as N.Z. observer at Conference of Australian Registrars.

RETIREMENTS. Vida M. Barron (Mod. Langs.); J. A. Jenkins (Clin. Surg.); R. A. H. Fulton (Clin. Surg.); Dr. G. P. Fitzgerald (Gynæcol.); J. M. Paterson (Dean of Fac. of Commerce, Law).

RESIGNATIONS. C. Macdonald (Classics); D. G. A. Cassells (Educn.); Mrs. Patricia Tubman (Home Sci.); Mrs. Margaret Titchener (Home Sci.); R. M. King (Dent.), awarded Fulbright Scholp.; W. C. M. Durning (Dent.), awarded Fellowship tenable at Univ. of Michigan; R. Harris (Conservative Dent.); R. S. Smart (Dent.); H. Palmer (Psychol. Med.), apptd. psychiatrist and med. sup. at Hillend Hospital, St. Albans, England; J. C. Eccles (Physiol.), apptd. to Chair of Physiol., A.N.U.; Betty McCurdy (Biochem.), apptd. to res. post in Human Nutrition, Oxon.; F. T. Dun (Physiol.), apptd. to staff of Univ. of Washington; D. A. Byars (Adult Educn.); C. M. Focken (Phys.), apptd. Dir. of App. Sci. Museum, Melb.; T. S. Ma (Microchem.), apptd. Assoc. Prof. of Microchem., N.Y. Univ.; Miss Marjorie M. Mowat (Phys.), on marriage; R. L. Fairmaid (Conveyancing); W. Murphy (Prev. Med.); F. B. M. Woodhouse (Med.); N. M. Watson (Classics), awarded Postgrad. Scholp. tenable at Camb.; J. R. McGimpsey (Chem.), apptd. to post in industry; O. J. Lewis (Anat.); Mrs. Kathleen Mason (Home Sci.); J. B. Thomson (Contracts), apptd. stipendiary magistrate; F. M. Hanan (Torts and Secretarial Practice); N. Roydhouse (Ear, Nose and Throat); Mrs. Barbara Calvert (Educn.); N. G. Prentice (Pathol.).

DEATH. Emer. Prof. F. Fitchett (Clin. Med.).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	487	1209
Women	119	457
Total	606	1666

Included in the above are 58 taking Masters' degrees, 14 Ph.D. candidates, 20 graduates studying for the B.D. degree and 378 first-year admissions.

DEGREES AWARDED (N.Z.). M.A., 25; B.A., 66; B.Com., 10; B.D.S., 47; B.D., 4; B.E., 4; M.H.Sc., 2; B.H.Sc., 9; LL.B., 6; M.D., 3; M.B., Ch.B., 91; B.Med.Sc., 4; Mus.B., 2; M.Sc., 9; B.Sc., 38. At special Graduation Ceremony for Med. and Dent. graduands: D.D.S., 1; M.D.S., 2; B.D.S., 39; M.D., 1; M.B., Ch.B., 103.

DIPLOMAS (N.Z.): Dip.Ed., 1; C.P.H., 1. (Otago): Dip.H.Sc., 25; Dip.Phys.Ed., 19; A.O.S.M., 4.

CANTERBURY UNIVERSITY COLLEGE*

Founded 1873

Postal Address : P.O. Box 1471, Christchurch, C.I.

Telephone : Christchurch 36-289.

VISITOR—THE MINISTER OF EDUCATION.

CHAIRMAN OF COUNCIL—W. J. CARTWRIGHT, B.A.

RECTOR—H. R. HULME, M.A., Ph.D., Sc.D.

REGISTRAR—JAMES LOGIE.

LIBRARIAN—C. W. COLLINS, M.A., F.L.A.

TEACHING STAFF

Accountancy

Part-time Assistants

Hargreaves, J. M., B.Com.

Burt, J. K., B.Com., F.P.A.N.Z.

Jameson, K. S., B.Com.,
F.P.A.N.Z.

Barnsdale, A. R., B.Com.

Clothier, W. E., B.Com.

Glynn, J. W., B.Com.

Hindin, J. B., B.Com.

Jensen, K. J., B.Com.

MacKenzie, T., B.Com., F.C.I.S.

Pt.-time Asst. Lectrs. in Commercial Law

Drake, B. J., B.A., LL.M.

Cuthbert, R. A., B.A., LL.B.

Wicks, J. A., LL.M.

McMenamin, R. J., LL.B.

Biology

Percival, E., B.Sc. Leeds 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., M.Sc., Ph.D.
Lond.

Knox, G. A., B.A., M.Sc.

Assistant Lecturers

Mayer, Margaret, D.Sc.

Arnold, B. C., M.Sc.

Brownlie, G., M.Sc.

Wiseley, H. B., B.Sc.

Botany, v. Biology

Chemistry

Packer, J., M.Sc. Melb., D.I.C.,
F.R.I.C. Prof.

Parton, H. N., Ph.D. Lond., M.Sc.
Assoc. Prof., Dean, Fac.
of Sci.

Wilkins, C. J., Ph.D. Lond., M.Sc.
Sr. Lectr.

Hagyard, T., Ph.D. Lond., B.Sc.
Sr. Lectr.

Vaughan, J., M.Sc. Wales
Sr. Lectr.

McGlashan, M. L., M.Sc., Ph.D.
R'dg. Lectr.

Assistant Lecturers

Penfold, B. R., M.Sc.

Christensen, M. T., M.Sc.

Beckwith, A. J., M.Sc.

Austin, J. M., M.Sc.

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

Classics

- Pocock, L. G., M.C., M.A. Lond.
 Prof.
 Broadhead, H. D., M.A. Camb.,
 Litt.D. Assoc. Prof.
 Steven, Marion K., M.A., M.B.,
 Ch.B. Lectr.
 Weaver, P. R. C., M.A.
 Asst. Lectr.
 Coleman, R. G. G., M.A.
 Asst. Lectr. (relieving).

Commercial Law

Part-time Assistants

- Cuthbert, R. A., B.A., LL.B.
 McMenamin, K. J., LL.B.
 Drake, B. J., B.A., LL.M.
 Wicks, J. A., LL.M.

Economics

- Westrate, C., LL.D. Leiden
 Prof., Dean, Fac. of Com-
 merce.
 Danks, A. J., M.A. Sr. Lectr.
 Rosenberg, W., M.Com. Sr. Lectr.
 Miller, G. M., B.A., B.Com. Lectr.

Education

- Field, H. E., Ph.D. Lond., M.A.
 Prof., Dean, Fac. of Soc.
 Sciences.
 Winterbourn, R., Ph.D. Lond.,
 M.A. Sr. Lectr.
 Ford, C. T., M.A. Lectr.
 Lawrence, P. J., M.A. Jr. Lectr.

*Engineering, v. infra**English Language and Literature*

- Garrett, J. C., M.A. Alta., M.A.
 Oxon.
 Prof., Dean, Fac. of Arts.
 Rhodes, H. W., M.A. Melb.
 Assoc. Prof.
 Stockwell, A. W., M.A., B.Sc.,
 B.Litt. Oxon. 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.
 Lamb, R. B., M.A. Calif.

Visiting Lectr.

- McCaskill, M., M.A. Asst. 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., M.A., B.Sc. Lectr.
 Gardner, W. J., M.A. Asst. 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).
 Cunningham, 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. (Convey-
 ancing).

Brown, W. F. (Roman Law).

Mathematics

Saddler, W., M.A., D.Sc. St. And.,
B.A. Camb. Prof.
Andrew, 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.
Troup, G. S., M.A. Pt.-time Lectr.

Music

Griffiths, V., M.A., Mus.B. Camb.,
Mus.D., F.T.C.L.
Prof., Dean, Fac. of
Music and Fine Arts.
Neale, Clare I., B.A., Mus.B.,
F.T.C.L. Lectr.
Ritchie, J., Mus.B. Lectr.

Philosophy

Prior, A. N., M.A. Prof.
..... Sr. Lectr.
..... Lectr.

Physics

Chalklin, F. C., D.Sc., Ph.D. Lond.
Prof.
Tarrant, G. T. P., M.A. Camb.,
Ph.D. Sr. Lectr.
Ellyett, C. D., M.Sc., Ph.D. Manc.
Sr. Lectr.
Roth, K. W., B.A. Lectr.
Gregory, J. B., M.Sc. Lectr.
Rogers, J. L., M.Sc. Asst. Lectr.
Psychology
Crowther, A., M.A.
Sr. Lectr. and Hd. of
Dept.
Thompson, R. H. T., M.A. Lectr.
Scott, T. H., M.A. Lectr.

School of Art

Lovell-Smith, C. S., Dip. F.A.
Director, Sch. of Art.
Senior Lecturers
Johnstone, J. A., D.A. Edin.
Doudney, E. J., F.R.B.S., F.R.S.A.
Clark, R. 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.
Hagyard, T., B.Sc., Ph.D. Lond.
Sr. Lectr.
Smith, S. C. J., B.Sc., B.E. Syd.
Relieving 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. Prof.
Senior Lecturers
Alley, P. J., B.E.
Henderson, F. M., B.E., M.Sc.
Massey, P. C., B.E.
Williman, A., B.Sc. (Eng.) Lond.,
Dip.C.Eng.

Lecturers

Giddens, B. E.
Owen, B. T. W.
1 Lab. Asst.

Electrical

MacElwee, N. M., B.Sc. Glas. Prof.
Neale, R. D., B.E. Sr. Lectr.
Bowen, W. H., B.Sc. Lond.
Sr. Lectr.
Withers, B. T. Sr. Lectr.
Calhaem, N. L., M.A. Camb. Lectr.
Stephen, K., B.Sc. Lectr.
Wright, W. S., B.E. Lectr.
1 Lab. Instr.

Mechanical

Rastrick, R. J., B.E. (Mech.)
 Prof., Dean of Fac.

Senior Lecturers

Hewitt, N. E., B.E. (Mech.).
 Adams, H. F. T., M.A. Camb.
 Burton, A., B.Sc. Eng.

Rodger, M., B.E.

Lush, A., B.E.

Lecturers

Newstead, W. F.
 Rainbird, W. J., D.C., B.E.
 Whittle, G., B.Sc. (Eng.).
 1 Lab. Instr.

ADMINISTRATIVE AND OTHER STAFF

LIAISON OFFICER. G. S. Troup, M.A.

PHYSICAL EDUCATION OFFICER. A. S. Lewis, B.A.

ADULT EDUCATION. *Dir.*: G. W. Southgate, B.A. *Tutors*: North Canterbury, B. W. Smythe, B.Com.; West Coast, B. J. Dunne, M.A.; South Canterbury, W. Hart-Smith; Buller Mining Area, T. Muir; Metropolitan Area, G. Manning, M.A.; Drama, G. A. Worthington, B.A.; Home Science, R. T. Robins, B.H.Sc.; Home Science, 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, Mrs. D. Keefe; Principal, College House, Very Rev. M. G. Sullivan, M.A.; Matron, College House, Miss Y. Riddlesdell; Warden, Bishop Julius Hostel, Mrs. M. C. Hendrie.

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 is one Council member apptd. by the Professorial Board, a member representing Lectrs. and a member representing the Students' Asscn. 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, 1951, from Govt. grants, endowments and fees : £233,693.

FACULTIES AND DEANS. *Arts*, Prof. J. C. Garrett ; *Comm.*, Prof. C. Weststrate ; *Engin.*, Prof. R. J. Rastrick ; *Law*, E. P. Wills ; *Music and Fine Arts*, Prof. V. Griffiths ; *Science*, Prof. H. N. Parton ; *Soc. Scis.*, Prof. H. E. Field.

LABORATORIES. Biol., Chem., Engin., Phys., Educn., Psychol.

LIBRARY. Approx. 190,000 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. 990.

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. 991). 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.

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 (90 men) ; College House (74 men) ; Helen Cannon Hall (70 women) ; Bishop Julius Hostel (50 women). Location, Christchurch. Fees from £2 : 12 : 6 per week (women) to £3 (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 1951

ADULT EDUCATION WORK. Total enrolments, 1237. Marked by expansion of services to existing and newly formed organizations, and increased requests for services in the specialist fields of Music, Home Science, Drama and Arts and Crafts.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. E. Williams, Rhodes House, Oxon. ; Sir John Sheppard, Camb.

STUDENTS.

	<i>Part-Time *</i>	<i>Full-Time</i>
Men	1016	711
Women	337	281
Total	1353	992

Included in the above are 101 postgraduate students and 587 new admissions.

DEGREES AWARDED. B.Agr.Sc., 14 ; M.Agr.Sc., 6 ; B.A., 96 ; M.A., 27 ; B.Com., 12 ; M.Com., 2 ; B.E., 67 ; LL.B., 7 ; Mus.B., 4 ; B.Sc., 43 ; M.Sc., 13 ; Ph.D., 1.

DIPLOMAS AWARDED. Dip. Educn., 5 ; Dip. Fine Arts, 25 ; Dip. Hons., 1 ; Dip. Journ., 1 ; Dip. Mus., 3.

* Includes 127 Extra-Mural students.

AUCKLAND UNIVERSITY COLLEGE *

Founded 1882

Postal Address : Box No. 2553 C.P.O., Auckland.

Telephone : 30-350.

VISITOR—THE MINISTER OF EDUCATION.

PRESIDENT OF COUNCIL—W. H. COCKER, C.M.G., M.A., LL.B. Camb.,
B.A., LL.B.

VICE-PRESIDENT OF COUNCIL—.....

PRINCIPAL—K. J. MAIDMENT, M.A. Oxon.

REGISTRAR—J. A. KIRKNESS, M.Com.

LIBRARIAN—F. A. SANDALL, B.A., F.L.A.

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.B.
(Comm. Law) Dean, Fac.
of Commerce, Sr. Lectr.

Johnston, T. R., LL.M., B.Com.
(on leave) Lectr.

Part-time Lecturers

Kay, R. M., B.Com., F.R.A.N.Z.
Horrocks, J., B.A., B.Com.
McKenzie, J. W., B.Com.
Mackie, W. N., M.Com.

Anthropology

Piddington, R. O., Ph.D. Lond.,
M.A. Syd. Prof.
Geddes, W. R., Ph.D. Lond., M.A.
Lectr.

Architecture

Knight, C. R., B.Arch., M.A. Liv.,
F.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.

Lawry, E. A., B.Arch.

Botany

Chapman, V. J., Ph.D. Camb.

Prof.

Millener, L. H., M.Sc. Lectr.

Rattenbury, J. A., Ph.D. Calif.,

M.A. (Genetics) Lectr.

de Berg, Ruth F., M.Sc. Jr. Lectr.

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

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., D.I.C. Lond.,
M.Sc. Melb. Sr. Lectr.

Odell, A. L., M.Sc. Lectr.

Seelye, R. N., M.Sc. Lectr.

Maslen, H., M.Sc. Lectr.

Junior Lecturers

Paterson, R. M. L., M.Sc.

Hall, D., M.Sc.

Knaggs, I. W., M.Sc.

Classics

Blaiklock, E. M., M.A., Litt.D.
Prof.

Crawley, L. W. A., B.A. Camb.,
M.A. Sr. Lectr.

Harris, B. F., B.A. Oxon. Lectr.

Economics

Simkin, C. G. F., D.Phil. Oxon.,
M.A., Dip.Soc.Sc. Prof.

Rodwell, H. R., M.A., Dip.Soc.Sc.
Assoc. Prof.

Fisher, M. R., M.A. Lectr.

Bieda, K., M.A. Aberd. Lectr.

Bergstrom, A. R., M.Com.
Jr. Lectr.

Hardie, B. G., M.A. Jr. Lectr.

Education

Fitt, A. B., Ph.D. Leip., M.A.
Dean, Fac. of Educn.,
Prof.

Cumming, I., B.A., M.Ed. Melb.
(on leave) Sr. Lectr.

Hare, W. B., M.A., Dip.Ed. Lectr.

Rogers, C. A., B.Ed. Melb., M.A.,
Dip.Ed. Lectr.

Minogue, W. J. D., Ph.D. Ohio,
M.A. Lectr.

Whyte, I. J., M.A. Temp. Lectr.

Watson, J. E., M.A. Temp. 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.

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.
(Electr. E.).

Lecturers

McLaren, E. J. R. (Civ. E.).

Wallace, H. E., B.E., M.Sc. (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.
(on leave) Prof.

Sheppard, Elizabeth A., M.A.,
Ph.D. Lond. Sr. Lectr.

Joseph, M. K., B.A., B.Litt. Oxon.
Sr. Lectr.

Reid, J. C., M.A. Lectr.

Curnow, T. A. M., B.A. Lectr.

Walton, J. K., M.A., B.Litt.
Lectr.

Johnston, G. K. W., M.A.
Jr. Lectr.

Fine Arts

Fisher, A. J. C. Director.

Weeks, J. (Painting) Sr. Lectr.

Kavanagh, J. F., F.R.B.S. (Sculp-
ture) Sr. Lectr.

Lecturers

Turkington, J. (Design).

Eise, Ida G. (Painting).

McLaren, A. W. S. (Painting and Figure Drawing).

White, Anna L. (Painting and Figure Composition).

Fairburn, A. R. D. (Hist. of Art.).

Geography

Cumberland, K. B., M.A. Lond., D.Sc. Prof.

Fox, J. W., B.A. Lond. Lectr.

Wallace, W. H., M.Sc. Wis. Lectr.

Farrell, B. H., M.A. Wash., B.A. Temp. Lectr.

Brockie, W. J., M.A. Edin. Temp. Lectr.

Geology

Lillie, A. R., M.A. Camb., D. ès Sc. Geneva Prof.

Laws, C. R., D.Sc., F.R.S.N.Z. Sr. Lectr.

Brothers, R. N., 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. (on leave) Assoc. Prof.

Sinclair, K., M.A. Lectr.

Chapman, R. M., M.A. Lectr.

Fraser, E. M., B.A. Camb., M.A. Jr. Lectr.

Journalism

Burton, E. A., Dip. Journ. Lectr.

Law

Davis, A. G., LL.D. Lond., LL.B. (on leave)

Dean, Fac. of Law, Prof.

Northey, J. F., D.Jur. Tor., B.A., LL.M. Sr. Lectr.

Part-time Lecturers

Vautier, M. H., LL.M.

Henderson, E. W., LL.M.

Speight, G. D., LL.B.

Rosen, H., LL.M.

Mathematics

Forder, H. G., M.A. Camb., F.R.S.N.Z. Prof.

Hookings, G. A., M.Sc. Camb., M.Sc. Sr. Lectr.

Segedin, C. M., M.Sc. Sr. Lectr.

Haight, F. A., B.A., M.Sc. Iowa Sr. Lectr.

Segedin, M. G., M.Sc. Lectr.

Nicholls, M. R., B.Sc. Temp. Jr. 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.

Gransden, J. H., B.A. Camb. Jr. Lectr.

Music

Hollinrake, H., M.A., Mus.Bac. Camb.

Dean, Fac. of Music, Prof.

Nalden, C., Mus.B. Durh., Mus.D. Lond. Sr. Lectr.

Rive, T. N., Mus.Bac. Lectr.

Philosophy

Anderson, W., M.A. Glas. Prof.

Anschutz, R. P., Ph.D. Edin., M.A. (on leave) Assoc. Prof.

Pflaum, K. B., M.A. St. And., B.Litt. Oxon. Lectr.

Walters, R. H., B.Phil. Oxon., M.A., Dip.Ed. Brist. Lectr.

Physics

Burbidge, P. W., B.A. Camb., M.Sc. Prof.

Brown, D., Ph.D. Brist. Assoc. Prof.

Kreielsheimer, K. S., D.Ing. Darm-

stadt, F.I.P. 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.

Hobbis, L. C., M.Sc. Jr. Lectr.

Marshall, D. C., B.Sc.

Temp. Jr. Lectr.

Earnshaw, J. B., B.Sc. Manc.

Temp. Jr. Lectr.

Zoology

McGregor, W. R., B.Sc.

Hd. of Dept., Assoc. Prof.

Stephenson, N. G., Ph.D. Lond.,

M.Sc., F.L.S. Lectr.

Segar, Evelyn C. M., B.Sc.

Jr. 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. (on leave).

Bell, C. A., M.A.

Baigent, H. V., B.A.

Johnstone, G. C., M.A., Dip.Ed.

Power, H. M., B.A.

Winiata, M., M.A., Dip.Ed.

Inman, Margaret M.

Dellow, R. G., Mus.Bac.

Goodman, R. D. M., M.A.

Fausett, Vera M.

Bedggood, L. R., M.A., B.Sc.,

Dip.Ed.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar: G. G. Turbott, B.A., B.Com. Accountant: Kathleen

Alison, B.Com. Librarian: F. A. Sandall, B.A., F.L.A. Liaison Officer:

K. J. Sheen, Ph.D. Lond., M.A.

GENERAL INFORMATION

Established by Act of the N.Z. Legislature in 1882, the College was affiliated to the Univ. of N.Z. in 1883. It received in 1885 an endowment of 30,000 acres of land, of which one-third was sold in 1915 for £10,246. During 1938 it received grants from the Govt. totalling £25,200.

Of the 17 members of the College Council 3 are appointed by the Governor, 2 by the Prof. Board, 1 by local bodies, 4 are elected by the graduates, 3 by the Auckland members of the General Assembly, 1 by the Education Bd., 1 by Lecturers of the Coll., and 1 by Students. The Principal is also a member of Council.

Three of the special schools are at a distance from the main bldgs.—Sch. of Engin. at Ardmore, 20 miles south of Auckland (*Telephone*: 340 Papakura), Sch. of Archit. in Symonds St., Auckland (*Telephone*: 42-746), and Sch. of Fine Arts also in Symonds St. (*Telephone*: 41-271).

The College Hostel, "O'Rorke Hall," at 43 Symonds Street, Auckland, can accommodate 120 students (41 women and 79 men in 1950). Resident Warden: L. W. A. Crawley (*Telephone*: 45-562).

ADMISSION. V. p. 990.

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. A. B. Fitt ; *Engin.*, Prof. G. C. J. Dalton ; *Law*, Prof. A. G. Davis ; *Music*, Prof. H. Hollinrake ; *Sci.*, Prof. F. J. Llewellyn.

PUBLICATION. *Calendar* (Feb.), 1s. ; (full *Calendar*, including hist. of Coll., every 5 yrs. ; last published 1951).

THE YEAR 1951

EXTRA-MURAL WORK. 361 students.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1302	800
Women	483	283
Total	1785	1083

Included in the above are 361 Extra-Mural students and 313 Postgraduates.

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 ; 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.

VICTORIA UNIVERSITY COLLEGE *

Founded 1897

Postal Address : P.O. Box 196, Wellington, C.I.

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, Ph.D. Camb., LL.M.

REGISTRAR—L. O. DESBOROUGH, B.Com.

LIBRARIAN—H. G. MILLER, M.A.

TEACHING STAFF

Accountancy

Rodger, W. G., J.P., B.Com.,
F.I.A.N.Z., F.C.I.S. (Account-
ing III and Auditing)

Hd. of Dept.

Part-time Lecturers

Taylor, D. de P., B.Com. (Account-
ing I and II).

Burton, R. C. C., LL.M. (Com-
mercial Law I and II).

Edgar, R., F.C.I.S. (Secretarial
Law and Practice).

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.

Peebles, Marie, M.Sc. Jr. Lectr.

Dellow, Una V., M.A. Jr. Lectr.

Chemistry

Slater, S. N., D.Phil. Oxon., M.Sc.,
F.R.I.C.

Dean, Fac. of Sci., Prof.

Monro, A. D., M.Sc. Assoc. Prof.

Metcalf, W. S., D.Phil. Oxon.,
M.Sc., Mus.B. Sr. Lectr.

Junior Lecturers

Swedlund, B. E., M.Sc.

Dasent, W. E., M.Sc.

Turney, T. A., M.Sc.

Classics

Murray, H. A., M.A. Aberd., B.A.
Camb. Prof.

Dettmann, Denise D. H., M.A.
Syd. and Oxon., Dip. Class.

Arch. Sr. Lectr.

Quinn, K. F., B.A. Camb. and N.Z.
Lectr.

Judge, E. A., M.A. Jr. Lectr.

Economics

Belshaw, H., Ph.D. Camb., M.A.
Dean, Fac. of Comm.,
Prof.

Heine, Hilda G., Ph.D. Berl., M.A.
Sr. Lectr.

Shearer, J. O., M.A. Sr. Lectr.

Holmes, F. W., M.A. Lectr.

Education

Bailey, C. L., M.A., Dip.Ed. Prof.

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

Fieldhouse, A. E., Ph.D. Lond.,
M.A., Dip.Ed. Sr. Lectr.
Somerset, H. C. D., M.A. Sr. Lectr.
Odell, Betty F., M.A., Dip.Ed. (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

McKenzie, D. W., M.Sc.
Sr. Lectr.
Franklin, S. H., B.Com. Birm.
Jr. Lectr.

Geology

Cotton, C. A., D.Sc., F.S.S.,
F.R.S.N.Z. Prof.
Bradley, J., M.Sc., Dip.Ed. Durh.
Sr. Lectr.
Te Punga, M. T., M.Sc. Lectr.

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.

Part-time Lecturers

Taylor, H., LL.B. (Conveyancing).
Morrison, N. A., LL.B. (Torts).

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.
..... Assoc. Prof.
Seelye, C. J., Ph.D. Edin., M.Sc.
Sr. Lectr.
Patterson, D., M.A., M.Sc. Lectr.

Modern Languages

Boyd-Wilson, E. J., B.A. Camb.,
M.A., B.Sc. Prof.
Huntington, Frances M., M.A.
Sr. Lectr.
Carrad, D. B., M.A. Oxon.
Sr. Lectr.
Danilow, N., Ph.D., Dr.jur.
Vienna, M.A. Pt.-time Lectr.

Music

Page, F. J., Mus.B. Sr. Lectr.
Lilburn, D. G. Lectr.

Philosophy

Hughes, Rev. G. E., M.A. Glas.
Prof.
Hudson, H., M.A. Lectr.
Ogilvie, C. W., B.A. Melb.
Jr. Lectr.

Physics

Watson-Munro, C. N., O.B.E.,
M.Sc. Prof.
Peddie, G. A., M.A. Assoc. Prof.
Ryder, N. V., M.Sc. Sr. Lectr.
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.

Lecturers

Kahn, J. F., Dr. iur. utr. Munich.
Brookes, R. H., B.Sc. (Econ.)
Lond.

Psychology

Beaglehole, E., Ph.D., Lit.D.
Lond., M.A., F.R.S.N.Z. (on
leave) Prof.
Adcock, C. J., Ph.D. Lond., M.A.
Sr. Lectr.
Congalton, A. A., M.A., Dip.Ed.
Lectr.
McCreary, J. R., M.A. Jr. Lectr.
Donald, Mrs. Marjorie N., M.A.
Jr. Lectr.

Social Science, School of

Marsh, D. C., M.Com. Birm.
Prof.-in-charge.
Robertson, Jean M., M.A.,
Dip.Soc.Sci. Glas. Sr. Lectr.
..... Lectr.

Zoology and Biology

Richardson, L. R., Ph.D., M.Sc.
McG. Prof.
Fell, H. B., Ph.D. Edin., M.Sc.
Sr. Lectr.

Salmon, J. T., D.Sc., F.R.E.S.
(Biol.) Sr. Lectr.

Ralph, Patricia M., M.Sc. Lectr.
Laird, M., Ph.D., M.Sc. Hon. Lectr.
Dawbin, W. H. I., M.Sc. Lectr.

Adult Education

Hely, A. S., M.A., B.Com.
Director.

Tutor Organizers

Mountjoy, W. J., B.A.
Nixon, M. A., M.A.
Cook, W. C., M.Com., B.A.
Grey, A., M.A., Dip.Ed.
Cave, L. M. H., M.A.
Haig, N. T., B.A. (Jr. T.O.).
Easterbrook-Smith, W. H. B.,
B.A. (Jr. T.O.).
Wemyss, Pamela
(Arts and Crafts, Jr.).
Stocker, Kate H. (Drama).
Hitchon, Betsy, Dip.H.Sc.
(Home Sci.).
Thomson, Vivienne, Dip.H.Sc.
(Home Sci., Jr.).
Thomson, Nan F., B.H.Sc.
(Home Sci., Jr.).
Ince, Joan (Dressmaking, Jr.).
Martin, Nancy (Music).

ADMINISTRATIVE AND OTHER STAFF

Liaison Officer : R. Hogg, M.A. Phys. Educn. Instr. : W. H. Landreth.
Warden, Weir House : E. A. Judge, M.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, 1951, £120,000.

ADMISSION. V. p. 990.

FULL DEGREE COURSES are provided in Arts, Science, Law and Commerce (v. pp. 990-991), 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*, Prof. S. N. Slater.

RESEARCH SCHOLARSHIPS. Univ. Research Scholps. : 2 scholps. of £200 p.a. for 2 yrs., for postgraduate work to undertake original research ; J. Joseph : two scholps. of £60 for 1 yr. for original work.

RESIDENCE. Weir House provides accommodation for about 95 men students. Fees, £3 : 10s. per wk. (*Telephone* (students) : 45-012.)

PUBLICATIONS. *Calendar*, 3s. 6d. (Dec.) ; Students' Magazine published towards end of each session.

THE YEAR 1951

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	1192	417
Women	326	172
Total	1518	589

Included in the above are 340 postgraduates, 564 new admissions and 323 Extra-Mural students (42 women).

DEGREES, ETC. (May 1951.) B.A., 95 ; M.A., 29 ; LL.B., 6 ; LL.M., 4 ; B.Sc., 53 ; M.Sc., 24 ; B.Com., 47 ; M.Com., 2 ; Mus.B., 1 ; Dip.Ed., 2 ; Dip. Public Adm., 6 ; Diplomas, 13

CANTERBURY AGRICULTURAL COLLEGE *

LINCOLN

Founded 1873

Postal Address : Lincoln College, Private Bag, Christchurch.

Telephone : Christchurch 398 Ext. 7573.

VISITOR—THE MINISTER OF EDUCATION

DIRECTOR—M. M. BURNS, M.Sc., Ph.D.

ASST. DIRECTOR—J. W. CALDER, B.Agr., M.Sc., Dip. C.A.C.

REGISTRAR—H. G. HUNT, B.Com.

WARDEN—J. D. MACKAY, M.B.E., B.A., B.Sc.

LIBRARIAN—D. R. MUFF.

TEACHING AND RESEARCH STAFF

Agricultural Economics

Weston, I. W., M.Sc., Ph.D.
Lectr.

Agricultural Law

Wills, E. P., B.A., LL.M., M.Com.
Pt.-time Lectr.

Animal Husbandry

Coop, I. E., D.Phil. Oxon., M.Sc.
(Animal H.) Prof.

Stevens, P. G., Dip. C.A.C.
Sr. Lectr.

Hart, D. S., M.A. (Agric.) Camb.
Lectr.

Hollard, M. G., M.Agr.Sc. Lectr.
Clark, V. R. Res. Officer.

Engineering

Riddolls, A. W., B.E., B.Sc.
Hd. of Dept., Sr. Lectr.

Cochrane, R. H., B.A. Camb.
Pt.-time 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. Lectr.

Stewart, J. D., Dip. V.F.M.
Asst. Lectr.

Oldfield, J. H., Dip. V.F.M., Dip.
C.A.C. Asst. Lectr.

Field Officers

McGloin, P. H., Dip. V.F.M.

Eva, I. McM., Dip. V.F.M., Dip.
M.A.C.

Cosgriff, P. W., Dip. V.F.M.

Field Husbandry

Calder, J. W., B.Agr., M.Sc.,
Dip. C.A.C. Assoc. Prof.

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

Iversen, C. E., M.Agr.Sc., Dip.
C.A.C. Sr. Lectr.

Veale, J. A., M.Sc. 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.

Soils and Fertilizers

Walker, T. W., B.Sc. Lond., Ph.D.,
D.I.C. Prof.

Orchiston, H. D., M.Sc.
Asst. 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. Assoc. Prof.

Thomson, G. G., B.Sc. (Vet. Sc.)
Edin. Sr. Lectr.

Kyle, Miss A. S., B.V.Sc. Syd.
Lectr.

Wool

Henderson, A. E., B.Agr.Sc.
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.

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.

FARMS of 2200 acres.

LABORATORIES. Biology, Chemistry, etc.

LIBRARY. 4000 publications.

RESEARCH. Investigations are proceeding on wheat and other cereal crops, grasses and pasture plants, soils and manures, animal nutrition and disease, farm economics, wool production, agricultural engineering, and plant diseases.

The CROP RESEARCH DIVISION of D.S.I.R. is located at the College.

ADMISSION. V. p. 990.

COURSES AND FEES. Degree Course (B.Agr.Sc.), 4 yrs.—lectures £22 : 10s. p.a. Board, 60s. per week for academic year of approx. 30 weeks. Diploma of Agriculture Course (Dip. C.A.C.), 2 yrs., £85 p.a. including board and tuition. Diploma of Valuation and Farm Management Course (Dip. V.F.M.), 1 yr. postgraduate course, £22 : 10s. tuition. Eight Months' Intensive Course, £22 : 10s. tuition. Horticultural Course, 2 yrs., £85 p.a. including board and tuition. 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*.

THE YEAR 1951

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 and Maintenance Workshops under construction.

EXTRA-MURAL WORK. 84 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 1600. In addition, special Field Days carried out for 61 groups totalling 2597 persons. Conferences held at Coll.: Lincoln Coll. Farmers' Conference 1951; Conference to discuss proposal for a High Country Res. Stn.; Conference of South Island Wool Brokers.

RETIREMENT. Prof. E. R. Hudson (Dir.).

RESIGNATIONS. R. H. Cochrane (Agric. Engin.), apptd. to International Harvester Co., Ltd.; H. P. Schapper (Valuation and Farm Management), apptd. Res. Fellow in Farm Management, Inst. of Agric., W. Aust. Univ.; J. H. Drake (Wool Instructor), apptd. Wool Manager for Newton King Ltd., Hamilton.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	481	214
Women	2	2
Total	483	216

Included in the above are 3 postgraduate students and 87 new admissions.

DEGREES, ETC., AWARDED. M.Agr.Sc., 3; B.Agr.Sc., 18; Dip. V.F.M., 25; Dip. Agr., 30; Dip. Hort., 5.

MASSEY AGRICULTURAL COLLEGE

Founded 1926

Postal Address : Palmerston North.

Telephone : Palmerston North 7940.

CHAIRMAN OF COUNCIL—W. V. DYER, O.B.E.

PRINCIPAL—G. S. PEREN, C.G., B.S.A. Tor.

VICE-PRINCIPAL—W. RIDDET, B.Sc. (Agric.) Glas.

REGISTRAR—C. C. YATES, F.R.A.N.Z.

LIBRARIAN—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.

McGillivray, W. A., M.Sc., Ph.D.

Lectr.

Miller, T. B., Ph.D., B.Sc. Aberd.

Lectr.

..... Jr. Lectr.

Agr. Botany

Yeates, J. S., Ph.D. Camb. and

N.Z., M.Sc. Hd. of Dept.

Campbell, Ella O., M.A. Lectr.

Carnahan, J. A., M.Sc. Jr. Lectr.

Agr. Economics

Low, H. B., M.A., Ph.D. Lond.

Hd. of Dept.

..... Lectr.

Braae, G. P., M.Com.

Temp. 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.

Animal Genetics

Dry, F. W., D.Sc. Leeds

Hd. of Dept.

Dairy Husbandry

Campbell, I. L., Ph.D. Missouri,

B.Agr.Sc. Prof.

Hodgson, J. N., B.Agr.Sc.

Sr. Lectr.

Green, S. L., M.Agr.Sc. Sr. Lectr.

Stewart, A., D.Phil. Oxon.,

M.Agr.Sc. Sr. Lectr.

Johnson, A. A. Lectr.

Nelson, 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.

Dairy Technology

Ward, J. W. Sr. Lectr.

* Joint member of the staffs of the College and Dairy Research Institute.

Horticulture

Hockey, K. C. Hd. of Dept.
 Richards, M., 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.
 Jr. 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)
 Instr.

Fife, C. V., M.Sc. (Soils and
 Manures) Sr. Lectr.

Hopewell, H. G., M.Agr.Sc. (Soils
 and Manures) Lectr.

Hogg, J. B., B.Sc., B.Agric. (Soils
 and Manures) Lectr.

Haylock, O. F., M.Sc. (Inorg.
 Chem.) Jr. Lectr.

Bowler, D. G.
 Drainage Advisory Officer.

..... Res. Asst.

*Veterinary Pathology and Animal
Physiology*

Webster, W. M., B.Sc. Edin.
 Hd. of Dept.

Newhook, J. C. Sr. Lectr.

Reynolds, B. A. Technologist.

ADMINISTRATIVE AND OTHER STAFF

Accountant: R. L. McEwen, B.Com. Literary Officer: L. A. G. Barrett.
 Wardens of Students' Residences: G. S. Wilson; H. T. Wenham; Mrs. D.
 Richardson. Sheep Farm Manager: W. R. R. Hewitt. Dairy Farm Manager:
 A. A. Johnson.

GENERAL INFORMATION

The College was establd. under the New Zealand Agricultural College Act in
 Sept. 1926 as the result of an agreement between Victoria Univ. Coll., Well-
 ington, 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. establd. 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 "Wharcrata," 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. 990.

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. and Master's Degrees, £12 : 10s. ; Professional course for B.Agr.Sc., B.Agr.Sc. (Hort.), B.Agr.Sc. (D. Tech.), £67 : 10s. spread over

period of course ; Dipl. in Agric. (Sheep Farming) and Dipl. in Hortic., £45 ; Dipl. in Agric. (Dairy Farming), £30 ; Dipl. in Wool Classing, £25 ; Dipl. in Dairying, £30.

POSTGRADUATE SCHOLARSHIPS. Coll. Scholps.—Farmers' Union Scholp., Catherine Baxter Scholp., Shell Scholp., John Alexander Hurley Scholp. Univ. of N.Z. Scholps.—Macmillan Brown Agric. Res. Scholp., Res. Scholps., Shirlcliffe Scholps. Sir James Gunson Scholp. (of Auckland Univ. Coll.). National Res. Scholps. Of the above scholps., one National Res. Scholp. is available to U.K. graduates in sci. for res. in N.Z.

The DAIRY RESEARCH INSTITUTE AND THE GRASSLANDS DIVISION (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 : 7 : 6 ; Women—£3 : 5s.

STUDENTS' ASSOCIATION. The Assocn. caters for the athletic and social side of the student's life. Excellent facilities available for cricket, tennis, swimming, athletics, hockey and shooting.

PUBLICATIONS. *Calendar* (Feb.), free. *Sheep Farming Annual* (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 1951

NEW POST. Chair in Sheep Husb.

RESIGNATIONS. T. R. Ellett (Dairy Husb.), to private employment ; T. O. Phillips (Sheep Husb.), to private employment ; C. L. Goldstone (Sheep Husb.), apptd. to post overseas ; H. D. Erlam (Librarian), apptd. to Library of Sch. of Med., Otago Univ.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	209	277
Women	61	17
Total	270	294

Included in the above are 21 postgraduate students and 305 first-year admissions. In addition, 897 attended for farmers' weeks, etc.

DEGREES. M.Agr.Sc., 6 ; B.Agr.Sc., 26.

COLLEGE DIPLOMAS. Dipl. in Agric., 44 ; Dipl. in Hortic., 15 ; Dipl. in Dairying, 5 ; Dipl. in Wool and Wool Classing, 19.

SOUTH AFRICA

UNIVERSITY OF CAPE TOWN (p. 1032)

UNIVERSITY OF NATAL (p. 1042)

UNIVERSITY OF THE ORANGE FREE STATE (p. 1051)

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER
EDUCATION (p. 1055)

UNIVERSITY OF PRETORIA (p. 1060)

RHODES UNIVERSITY (p. 1073)

UNIVERSITY OF SOUTH AFRICA (p. 1079)

UNIVERSITY OF STELLENBOSCH (p. 1081)

UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
(p. 1089)

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. 1031).

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 1951. 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 1952.

Each of the nine Univs. is governed by Council and Senate.

The Senate of the Univ. of South Africa as reconstituted in 1951 consists of two members appointed by the Council, Director and Professor of the Division of External Studies and lectrs. of the Division

who are heads of depts. recognized by the Council for representation on the Senate, two representatives of the Senate of each of the other Univs. in South Africa, and not fewer than eight other persons who are Professors or lectrs. at the other Univs. in South Africa. The Senates of the other Univs. consist in each case of the Principal or Rector, the Vice-Chancellor, two additional members of the Council appointed for a prescribed period, and the Professors and, in addition, at Pretoria and the Orange Free State, Heads of Depts., and at Natal, Directors or Heads of such research institutes as fall under the control of the Council, and the Librarian of the University. At the Univs. of Cape Town and the Witwatersrand two Assessor members are elected annually by the Lecturers.

All the Universities offer degrees in the ordinary Arts and Sciences and one or more of them provide training for the following professions, e.g. *Agriculture*: Natal, Pretoria, Stellenbosch; *Architecture*: Cape Town, Natal, Pretoria, Witwatersrand; *Dentistry*: Pretoria, Witwatersrand; *Engineering*: Cape Town, Natal, Stellenbosch, Witwatersrand; *Fine Art*: Cape Town, Natal, Witwatersrand; *Forestry*: Stellenbosch; *Medicine*: Cape Town, Natal, Pretoria, Witwatersrand; *Music*: Cape Town, Orange Free State, Rhodes, Stellenbosch, Witwatersrand; *Theology*: Potchefstroom, Pretoria, Rhodes, Stellenbosch; *Veterinary Science*: Pretoria; *Commercial and Legal Training*: all the teaching Universities. Schools of African Life and Languages have been established at four of the Universities.

The training of secondary teachers has been left to the Universities, and all the institutions endeavour to carry out this training. The training of primary teachers is, to a much smaller extent, provided for in the Universities, the main work in this instance being carried on in training colleges under the provincial Departments of Education.

SCHOLARSHIPS. Open to graduates of all South African Universities: 1851 Exhibition Scholarships, £275 p.a. for 2 yrs. (in exceptional cases, 3 yrs.), tenable at any institution approved by Commissioners; Beit Fellowships, £240 p.a. for 2 yrs., tenable at Imperial College, London; H. B. Webb, maximum £300 p.a. for 2 yrs.; Union, £300 for 2 yrs. Open to graduates of the Universities of Cape Town and Stellenbosch: Croll Memorial, Porter, George Grey, Queen Victoria, Donald Currie, Ebdon, all £300 for 2 yrs.; W. Hiddings, £266 p.a. for 3 yrs.; Maynard, £90 p.a. for 2 yrs. The Ebdon scholarship is tenable only at Cambridge.

Elsie Ballot Scholarships, £400 p.a. for 2-3 yrs., tenable at Cambridge; basis of selection as for Rhodes Scholarships. Further information from the Joint Trustees (The Secretary, Ballot Scholarships, University Registry, Cambridge, and Barclay's Bank, D.C.O. (Trustee Department), Box 434, Pretoria).

For Rhodes Scholarships, see p. 437.

See also under the separate Universities.

TERMS. The academic year is usually divided into 4 terms, beginning in Feb. or March and ending Nov. or Dec. At Cape Town, Stellenbosch, Pretoria and the Witwatersrand there are two semesters or terms, beginning end of Feb. and end of July.

VICE-CHANCELLORS' COMMITTEE. The Vice-Chancellors of the Univs. acting as a Joint Committee (known as *The Vice-Chancellors' Committee*) have, in the exercise of powers conferred by the above-mentioned Acts, made joint statutes and regulations relating to the Joint Matricn. Board, the Joint Committee for Professional Examns., the administration of the Joint Scholarship Funds of the Univs., the admission of registered students of any one of the Univs. to any of the others, and a minimum period of attendance and minimum fees for the degree of Bachelor. They have power to formulate regulations dealing with any matters of common interest, such as the rotation between the Univs. of postgraduate scholarships administered by the Committee and the conditions of award, etc.; the conditions and award of essay prizes, etc. The Committee has also acted as the selecting body for Commonwealth and British Council Scholarships and Imperial Relations Trust Fellowships. The address of the Secretary (who is also Registrar, Univ. of Cape Town) is P.O. Box 594, Cape Town.

COMMITTEE OF PRINCIPALS. A Committee of Principals was constituted and accorded recognition by the Minister of Education and the Councils of University institutions. The Committee consists of the Principals of the Universities, University Colleges and the Director of External Studies of the University of South Africa. The Committee was established for the purpose of considering matters of common interest and acting on behalf of the institutions on matters not specifically assigned to the Vice-Chancellors' Committee.

S.A. UNIVERSITIES' BUREAU. A central bureau, called the South African Universities' Bureau, was established in 1950. The primary functions of the Bureau are to undertake the secretarial duties of the Committee of Principals and to act as liaison office of the Committee of Principals with the Association of Universities of the British Commonwealth. The address of the Secretary of the Bureau (who is also Registrar of the University of Cape Town) is P.O. Box 594, Cape Town.

ADMISSION. See Appendix I.

The **JOINT COMMITTEE FOR PROFESSIONAL EXAMNS.** (address—P.O. Box 392, Pretoria), consisting of 2 representatives of each of the Univs. (one for Law and one for Survey) and 5 persons appointed by the Govr.-General (of whom at least 2 must be for Law and 2 for Survey), controls and conducts: (1) Attorneys' Admission Examn., (2) Civil Service (Lower and Higher) Law Examns., (3) Examns. in Theory of Land Surveying, and (4) Examn. for Patent Agents. It also conducts, in certain cases, on behalf of the Supreme Court, the Advocates' Admission Examn. in Roman-Dutch Law and the Statute Law of the Union, and the Supplementary Attorneys' Admission Examination.

UNIVERSITY OF CAPE TOWN*

Founded 1918

Postal Address : Private Bag, Rondebosch, C.P.

Telegrams : University, Rondebosch.

Telephone : 6-2174 ; 6-3909.

VISITOR—H.E. THE GOVERNOR-GENERAL.

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.

PRESIDENT OF CONVOCATION—Hon. Mr. Justice J. E. DE VILLIERS,
M.A., B.C.L. Oxon., LL.B. Cape.

CHAIRMAN OF COUNCIL—W. DUNCAN BAXTER, LL.D.

REGISTRAR—A. V. H. CARTER.

LIBRARIAN—R. F. M. IMMELMAN, B.L.S. Col., M.A., F.L.A.

TEACHING STAFF

Accounting and Business Method

Greenwood, H. Prof.
26 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.
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.

..... 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. Thornton, 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.
 Compton, R. H., M.A. Camb.,
 F.R.S.S.Af.
 Harold Pearson Prof.,
 Dir. of National Bot.
 Gdns.

Bolus, Mrs. Harriet, B.A. Cape,
 D.Sc. Stell., F.R.S.S.Af.
 Curator, Bolus Herb-
 arium.

Lecturers

Rose-Innes, Mrs. Audrey M., B.Sc.
 Lond.
 Olivier, Dorothea L., B.Sc. Rand.,
 M.Sc.
 Schütte, K. H., Ph.D. Dub.
 Gray, Anna, B.Sc. Jr. Lectr.
 Simons, Mrs. Sheila M., B.A.
 Oxon. Jr. Lectr.
 8 Demrs., 3 Assts.; Bolus Herb-
 arium, 1 Clerical Asst.

Chemistry

Pugh, W., D.Sc. Lond., Ph.D.,
 F.R.I.C., F.R.S.S.Af.
 Prof. and Hd. of Dept.
 Holliman, F. G., M.A., Ph.D.
 Camb. Mally Prof.

Senior Lecturers

Sebba, F., M.Sc. Pret., Ph.D.,
 F.R.I.C.
 Spong, A. H., M.Sc. Lond., Ph.D.
 Camb.

Lecturers

Stephen, A. M., D.Phil. Oxon.,
 M.Sc., Ph.D.
 Arnold, R., M.Sc. Rand.
 Lamchen, M., M.Sc. Pret., Ph.D.
 Lond.
 Prout, E. G., M.Sc., Ph.D. S.A.
 5 Jr. Lectrs., 5 Tech. Assts., 2
 Demrs., 1 Clerical Asst.

Classics

Baldry, H. C., M.A. Camb.
 (Gk.) Prof. and Hd. of
 Dept.
 Rollo, W., M.A., D.Litt. Glas.,
 Litt.D. Leiden Prof.

Lecturers

Burrows, L., B.A. Liv.
 Hewitt, W. H., B.A. Oxon., M.A.
 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).

 1 Clerical Asst.

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

Grant, W. F., B.Sc. Lond. (in
 English) Prof.
 Burger, J. F., M.A., Ph.D. (in
 Afrikaans) Prof.
 Pells, E. G., B.Sc., B.Litt. Oxon.,
 M.A., B.Ed. Sr. Lectr.

Lecturers

Olivier, S. P., B.A. Stell., M.Ed.,
D.Phil. S.A.
Murray, Margaret I., B.A. Stell.
Spilman, Mary D., B.A. (Elocu-
tion).
Hart, Ida E. J., M.A., B.Ed.,
Ph.D.
Groves, Mary E., M.A. Asst.
Hoffa, Sylvia C. Drill Instr.
9 Assts., 1 Clerical Asst.

*Engineering, v. infra**English*

Doughty, O., M.A. Durh., B.Litt.
Oxon. (E. Lit.)
Arderne Prof. and Hd. of
Dept.
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.
Morgan, Mrs. Anne M., M.A.,
B.Ed. Jr. Lectr.
1 Demr.

Fine Art School

Shephard, R. N., Slade Dip. of
Fine Art, Lond. Prof.
Mitford-Barberton, I. G. Lectr.
Twine, S. W. Lectr.
Esmonde-White, Eleanor F.
Lectr.
van Essche, M. Lectr.
Simmers, M. (Drawing) Asst.
6 Pt.-time Assts.

French

Inskip, D. P., M.A. Glas., L. ès L.
Nancy Prof.
Greshoff, C. J., M.A. Lectr.
Blair, Mrs. Dorothy S., B.A., Cert.
d'Ét. Françaises Besançon.

Geography

Talbot, W. J., B.Sc. Lond. Prof.
..... Lectr.
Mabbutt, J. A., B.A. Camb. Lectr.
2 Lab. Assts., 1 Res. Asst.

*Geology, v. Mineralogy**German*

Rosteutscher, J. H. W., D.Phil.
Bresl., 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.,
M.A. S.A. Sr. Lectr.
Van der Poel, Jean, Ph.D. Lond.,
M.A., B.Ed. Lectr.
Clark, J. B., M.A. Oxon., M.A.
Lectr.
Wallace, Frances M., B.A. S.A.
Jr. Lectr.

Law

Cowen, D. V., B.A., LL.B. (Com.
and Indust. Law) Prof.
Price, T. W., M.A., LL.B., Ph.D.
Camb. (R. Dutch) Prof.
Beinart, B., LL.M. Lond., B.A.,
LL.B.
..... W. P. Schreiner Prof.
14 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

Pauc, C. Y., D. ès Sc.

Househam, K. O., B.Sc. Rand.,
M.A. Prin., M.Sc.

Walker, R. M.

5 Demrs.

Mineralogy and Geology

Walker, F., M.A. Camb., Ph.D.,
D.Sc. Edin.

Philipson-Stow Prof.

Vincent, H. C. G., M.A. Camb.

Sr. Lectr.

Mathias, Mrs. Frances C. M.

Lectr.

Simpson, E. S. W. Lectr.

..... Jr. Lectr.

1 Res. and Museum Asst., 1 Demr.,

2 Lab. Assts.

Music

Chisholm, E., D.Mus. Edin.,
F.R.C.O.

Prof. and Dir. of Coll.

..... Asst. to Dir.

Senior Lecturers

van Wyk, A.

Neuss, Maria.

Armhold, Adelheid.

Rubens, H., Mus.Bac.

Lecturers

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., 40 other staff.

Nederlands Cultural History

Bax, D., Litt.D. Nijmegen Prof.

Nederlands en Afrikaans

Scholtz, J. du P., M.A. Stell.,
Litt.D. Amst.

Hofmeyer Prof.

van der Merwe, I. W., M.A.

Sr. Lectr.

Lecturers

Bax-Botha, Mrs. Marie A., M.A.
S.A.

Verhage, J. A., M.A., Ph.D.

Opperman, D. J., M.A.

Philosophy

Murray, A. H., M.A. Stell., B.Litt.,
D.Phil. Oxon. Prof.

Versfeld, M., Ph.D. Edin., M.A.

Sr. Lectr.

van Wyk, Mrs. Anna L., M.A.

Lectr.

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

Palley, A., B.A., LL.B., M.B.,
Ch.B., D.C.H.

.....
Steytler, J. G., B.Sc. Jr. Lectr.

6 Pt.-time Lectrs., 3 Demrs., 5
Tech. Assts., 1 Clerical Asst.

Psychology

..... Prof.
 Taylor, J. G., M.A. Aberd.
 (Psychol.) Sr. Lectr.
 Grover, Vera M., M.A. Lectr.
 Thompson, Elsie M., B.A. S.A.
 (Psychol.) Lectr.
 Raath, Magdalena J. Res. Asst.
 1 Asst., 1 Clerical Asst. (Sci. Fac.).

Social Science

Batson, E., B.Sc. (Econ.) Lond.
 Prof.
 Bernthal, Betty, B.Sc. (Econ.)
 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., other staff, 3.

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. Leiden
 Lectr.
 Millard, Mrs. Naomi A. H., M.Sc.
 Lectr.
 Carlisle, Mrs. Ena F., B.Sc.
 Jr. Lectr.
 Jones, Constance, M.Sc. Jr. Lectr.
 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.
 Lichtman, A. P., B.Sc. Lectr.
 2 Assts., 2 Tech. Assts., 1 Clerical
 Asst. (also Elect. and Mech.
 Eng.).

Electrical Engineering

Guelke, R. W., Ph.D. Gött.
 Corporation Prof.
 Besseling, J. L. N., B.Sc., Ph.D.
 Sr. Lectr.
 Webster, G. H., M.Eng. Sheff.
 Sr. Lectr.

Lecturers

Einhorn, H., Dr. Ing. Berl.
 Enslin, C. N., B.Sc. El. Eng.

.....
 2 Tech. Assts.

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.
 Asst.
 3 Tech. Assts.

Medicine

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

Ryrie, B. J., M.B., Ch.B. Edin.,
 F.R.S.S.Af.
 Prof. of Med. Educn.

Administrative :

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

Fuller, T. A., M.B., Ch.B. Edin.,
D.P.H. Lond. Lectr.

Medical Practitioners

Cluver, J. A., M.B., Ch.B.
Herries, J. W., M.B., Ch.B. Edin.
Harrison, G. G., M.B., Ch.B.
Blankenberg, B., M.B., Ch.B.
14 Pt.-time Med. Practrs.

Child Health

..... Prof.
Wolff, H., L.D.S. (Dental)
Pt.-time Dental Surgeon.
11 Pt.-time Med. Practrs.

Dermatology

Lang, R., M.B., B.Ch. Dub. Lectr.
Walker, J., M.B., Ch.B.
Med. Practr.
7 Pt.-time Med. Practrs.

Diseases of Children

Smythe, P. M., M.B., B.Ch.
Med. Practr.
10 Pt.-time Staff.

Ear, Nose and Throat

Ackermann, D. J. J., M.B., Ch.B.
Med. Practr.
6 Pt.-time Staff.

Forensic Medicine

Turner, R., M.B., Ch.B., D.P.H.
Prof.
..... Pt.-time Sr. Lectr.
Kinnear, A. A. Pt.-time Lectr.
Helman, P. Pathologist.

*Gynæcology, v. Obstetrics and Gyn.**Infectious Diseases*

Wicht, J. F., M.D. Dub., D.P.H.
Lectr.
2 Clin. Tutors.

Leprosy

Med. Supt. Lep. Inst. Pretoria
Lectr.

Medical Ethics

de Beer, Z. J., M.B., Ch.B. Edin.,
B.A. Lectr.

Medicine, 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.
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.
28 Pt.-time Med. Practrs.

Medicine, Psychological

Key, G. J., M.B., Ch.B. Aberd.
Lectr. and Hd. of Dept.
..... Lectr.
4 Assts., 1 Demr.

Methods of General Medical Practice

Bremer, K., M.B., B.S. Lond.
Lectr.

Neuro-Psychiatry

Berman, S. Med. Practr.
5 Pt.-time Med. Practrs.

Obstetrics and Gynæcology

Louw, J. T., M.B., Ch.M. Prof.
Medical Practitioners
Sinclair, R., M.B., Ch.B.
Abramowitz, L. J., M.B., Ch.B.
Nel, J. B.
Moore, D.
16 Pt.-time Med. Practrs.

Ophthalmology

Townsend, R. L. H., B.A., B.M.,
B.Ch. Oxon., D.O.M.S., B.A.
Lectr.
10 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.
 6 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

Kipps, A., M.B., Ch.B.
 Selzer, Golda, M.B., Ch.B.
 Don, P. A., B.A., M.B., Ch.B.
 Parker, R. G. F., B.A., M.B.,
 B.Chir. Camb., D.P.H.
 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.
 McKenzie, D., M.B., Ch.B.
 6 Pt.-time Med. Practrs., 24 Tech.
 Assts. and 5 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

11 Pt.-time Med. Practrs.

Surgery

Erasmus, Major J. F. P., M.B.,
 Ch.B., M.Ch., M.D. Rand.
 Prof.

Medical Practitioners

Louw, J. H.
 Hoffman, J. M., B.Sc., M.B., Ch B.,
 F.R.C.S.Ed.
 Dreyer, B. J., M.B., Ch.B.
 Stewart, B. B., M.D., Ch.B.
 Silber, W., M.B., Ch.B.
 Sarkin, T.
 Brink, S. J., M.B., Ch.B.
 Cosnett, J. E., B.Sc., M.B., Ch.B.
 Rand.
 27 Pt.-time Med. Practrs.

Urology

7 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. Frankfurt and
 Berne, M.B., Ch.B.
 Res. Assoc. Prof.
 2 Pt.-time Staff.

Venereal Diseases

Cohen, L. Lectr.
 3 Pt.-time Staff.

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. : E. G. Pells. Asst. Registrar :
 J. G. Benfield, B.Com. S.A. Sr. Clerk : P. G. McDonald, B.A. S.A. Cttee.
 Clerk : D. J. McQuirk, B.A., B.Com. Staff Clerk : L. Read. Examns. Clerk :
 Doris E. MacDonald. Cashier : Ivy M. Layton.

GENERAL INFORMATION

The University of Cape Town, with which is incorporated the South African
 College, created by Act 14 of 1916, came into legal existence on April 2, 1918,

when the Council took over a bequest by Sir Julius Wernher of £250,000 and a donation of equal amount from Sir Otto Beit, who added £50,000 to a lapsed bequest by Mr. Alfred Beit. For early history, see *Yearbook* for 1930 and Introductory Chapter, above.

A site for the 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., gradua-

tion, library, athletics, Students' Socs. and, in the case of medical students, hospital fees for clin. instructn. The annual fee varies according to the course which is being taken, but is uniform throughout the normal duration of the course. B.A. and B.Soc.Sc., £53; B.A. Fine Art, £56; B.Sc., £64; B.Arch., £73 for 4 yrs. and £33 for 1 yr.; B.Ed., £53; LL.B., £55; M.B., Ch.B., £80; B.Mus., £66-£80; Master's degree—Arts, £44; Sci., £53; Educn., £44; Fine Art and Archit., £33; Engin. and Law, £22; Med., £28; Doctor's degree, £20.

SCHOLARSHIPS FOR GRADUATES. Jamison, £225 p.a. for 2 yrs.; S.A.C. Croll, £300 p.a. for 2 yrs.; Smartt Memorial (in Agric.), £200 p.a. for 2 or 3 yrs.; 2 in Engin., £150 p.a. for 2 yrs.; 1 in Med., £150 p.a., tenable for 1 yr. overseas. V. also Introductory Chapter.

A Jagger Scholarship of the annual value of £200, tenable for 3 (or possibly 4) years subject to satisfactory conduct and progress, offered to a student from Gt. Britain proposing to take his degree at the Univ. of Cape Town.

Open postgraduate scholarships in Agriculture (£200 p.a. for 2-3 yrs.).

TRAVELLING CONCESSIONS. On production of a certificate signed by the Registrar, all full-time students may travel by rail, under certain conditions, at *reduced fares*—viz. the concession is only allowed on return tickets via the most convenient direct all-rail route from home to the Univ. and back; it does not apply to married persons, or to students attending classes for the law certifi. and civil service law examns. Students who have obtained a degree are not eligible for season tickets at concession rates for daily travel.

The Union-Castle Steamship Co. gives concessions to students travelling coastwise between ports from Cape Town to Mombasa, inclusive (applicable only to whole-time scholars and students who have not graduated and who are not married): (a) Students travelling from home to school or Univ. or *vice versa*: *Single tickets* at single fare, according to age, less 10 per cent. *Return tickets* at the single adult fare, plus 10 per cent. The period of availability may be extended to 12 months on application. (b) All other students: *Return tickets* will be granted at excursion rates, available for period of vacation.

Certificates must include age, home address and, when on vacation, the period of such vacation.

The Union-Castle Co. and other Steamship Cos. grant a 10 per cent. reduction on the ordinary fare to students proceeding overseas on vacation or for further study.

RESIDENCE. Hostels for 300 men and 200 women. Board, laundry and residence, £120 p.a. Fuller Hall; Warden: Mrs. D. G. Emmett, B.A. Liv. Smuts Hall; Warden: J. B. Clark, M.A. Oxon., M.A. College House, Breda St., Cape Town; Warden, M. J. Pollard, B.A. Wales, M.A. Camb. Medical Residence, Anzio Rd., Mowbray, Cape Town; Warden:

ADMISSION. See Appendix I. Prospective students are advised to take for the matricn. certifi. at least 2 of the subjects, French, German, Greek, Latin, Maths. A pass in Latin is essential for LL.B. and in maths. for degrees in appl. and indust. chem., archit., engin., land surveying, med., sci. and quantity surveying.

EXTRA-MURAL STUDIES. In 1949 a Bd. of Extra-Mural Studies took over the functions of the former Extension Lectures Cttee. The Bd. assumes responsibility for the organizn. of vacation courses, week-end conferences, courses corresponding to those given for the W.E.A., extension lectures in town and country and courses, in citizenship and other current topics.

TEACHING HOSPITALS. Groote Schuur Hospl., Cape Peninsula Maternity Hospl., Mowbray Maternity Hospl. and certain wards in Somerset Hospl. The

Red Cross War Memorial Children's Hospl. will also be available upon its completion.

PUBLICATIONS. *Calendar* (Dec.); Students' Repve. Council's *Groote Schuur*; *Annals of the Bolus Herbarium*; *The History of South African College, 1820-1918*, by Prof. W. Ritchie (2 vols.: Maskew Miller, Cape Town); *The S.A. College and the University of Cape Town, 1820-1920*, by Prof. E. A. Walker.

THE YEAR 1951

BENEFACTIONS. £8000 for endowment of Fellowship for botanical res. as memorial to late Field-Marshal the Rt. Hon. J. C. Smuts (former Chancellor of Univ.).

DEVELOPMENT FUND. Contributions as a result of Univ. appeal launched in 1950 to finance new bldg. programme total £350,000, including £50,000 from each of Cape Town City Council and De Beers Consolidated Mines Ltd.

NEW DEVELOPMENT. By arrangement with Cape Provincial Admin. establishment of a jt. med. staff for med. sch. and principal teaching hospls.

CHANCELLOR. Hon. Mr. Justice A. v. d. S. Centlivres elected by Convocation as Chancellor in succession to late Field-Marshal the Rt. Hon. J. C. Smuts.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Guthrie, Edin.; Profs. W. K. Hancock, Manning and A. Moncrieff, Lond.; Profs. Read, A. Walker and Sir Charles Inglis, Camb.; Prof. Holmgren, Stockholm; Prof. Alexander, W. Aust.; Sir Philip Morris, Brist.; Sir Arthur Trueman, U.K. University Grants Cttee.; Father Teilhard de Chardin, Paris.

RETIREMENTS. Prof. R. H. Compton (Bot. and Dir. Nat. Botanic Gdns., Kirstenbosch); W. C. Eales (Logic); C. E. Kain (Electr. Engin.).

DEATHS. Dr. I. Crawford (former Prof. of Pure Maths. and member of Univ. Council); Prof. R. Leslie (former Prof. of Econ.).

HONORARY DEGREES. *D.Litt.*—Mrs. M. E. Rothmann, Afrikaans author. *LL.D.*—The Hon. Mr. Justice A. v. d. S. Centlivres, Chief Justice for the Union of S. Africa; C. W. T. Duminy, former member of Univ. Council for 29 yrs. and member of Cape Divisional Council for 34 yrs.; Bishop S. W. Lavis, Co-adjutor Bishop of Cape Town; Dr. H. R. Raikes, Principal, Univ. of Witwatersrand. *M.Ed.*—W. G. A. Mears, former Principal, Boys High Sch., Rondebosch.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	336	2522
Women	251	898
Total	587	3420

DEGREES. B.A., 123; M.A., 19; B.Com., 32; M.Com., 1; B.Ed., 4; M.Ed., 1; B.Sc. Eng., 60; B.Sc. App. and Indust. Chem., 5; B.Sc. Land Surveying, 17; B.Sc. Quantity Surveying, 1; B.A. Fine Art, 2; B.Arch., 23; LL.B., 21; M.B., Ch.B., 165; M.D., 1; B.Mus., 2; B.Sc., 50; M.Sc., 15; D.Sc., 1; B.Soc.Sc., 10; M.Soc.Sc., 1; Ph.D. (all Facs.), 4.

UNIVERSITY OF NATAL *

(Formerly NATAL UNIVERSITY COLLEGE: founded 1909)

Incorporated 1949

Postal Addresses : P.O. Box 375, Pietermaritzburg. P.O. Box 1525, Durban.

Telegrams : University (Durban or Pietermaritzburg).

Telephones : Durban (Howard College), 5-8566 ; City Building, 2-9746.
Pietermaritzburg, 2725.

CHANCELLOR—HON. D. G. SHEPSTONE, Administrator of Natal.

PRINCIPAL AND VICE-CHANCELLOR—E. G. MALHERBE, B.A. Cape, M.A.
Stell., Ph.D. Col., LL.D. Camb.

CHAIRMAN OF COUNCIL—W. J. O'BRIEN, O.B.E., D.Phil.

PRESIDENT OF CONVOCATION—ALAN PATON, B.Sc.

REGISTRAR—P. G. LEEB-DU-TOIT, B.Com. S.A.

ASSISTANT REGISTRAR—V. V. AUSTIN.

ACCOUNTANT—A. J. LYLE, B.Com. S.A.

LIBRARIAN—H. COBLANS, M.Sc., Ph.D. S.A.

TEACHING STAFF

(Allocated between Durban=D. and Pietermaritzburg=P.)

Accounting and Auditing (D.)

Fairbairn, W. J. G. 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 Sur- veying (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.

Botany (P.)

Bayer, A. W., D.Sc. S.A. Prof.

Sr. Lectr.

.....
Lecturers

Heard, C. R. C., M.Sc. S.A.,
D.Phil. Oxon.

Huntley, Kathleen, M.Sc. S.A.

Meidner, H., M.Sc.

2 Demrs., 2 Lab. Assts.

Chemistry and Chemistry Techno- logy (P. and D.)

Warren, F. L., Ph.D., D.Sc. Lond.,

D.I.C., F.R.I.C. Prof. (P.)

MacKenzie, H. A. E., M.Sc. S.A.,

D.I.C., Ph.D. Lond.

Sr. Lectr. (P.)

Bok, L. D. C., M.Sc. Stell., Dr. rer.
nat. Leipzig Sr. Lectr. (D.)

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

Candy, H. A., M.Sc. S.A.

Lectr. (D.)

.....

Lectr. (P.)

Leisegang, E. C., M.Sc.

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.

Lecturers

Allan, I. K., B.Com. S.A.

.....

Lectr.

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 Neder-
lands) (P. and D.)

Nienaber, G. S., M.A., M.Ed. S.A.,

Litt.D. Ghent Prof. (P.)

Terblanche, H. J., M.A., D.Litt.

Pret. Sr. Lectr. (D.)

.....

Lectr. (P.)

Grobler, P. du P., M.A. S.A.

Lectr. (D.)

Grové, A. P., M.A., D.Litt. S.A.

Lectr. (P.)

Nienaber, C. J., M.A. S.A., Docts.

Litt. Amst.

Economics (P. and D.)

Burrows, H. R., M.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.

Lectr. (D.)

McDonald, Florence M., M.A.

Glas. Lectr. (D.)

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.)

..... 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. Leip-
 zig Sr. Lectr. (P.)
 1 Pt.-time Lectr.

History and Political Science (P. and D.)

Hattersley, A. F., M.A. Camb.,
 F.R.Hist.S. Prof. (P.)
 Maxwell, Winifred A., B.Litt.
 Oxon. Sr. Lectr. (P.)
 Rees, A. W., M.A. Wales
 Sr. Lectr. (D.)
 Young, L. M., M.A. S.A., Ph.D.
 Camb. Lectr. (P.)
 Lectr. (D.)
 McIntyre, K. H. C., B.A. Camb.
 and S.A. Lectr.
 Lectr.
 1 Temp. Lectr.

Law (P. and D.)

Burchell, F. P., M.A., LL.B.
 Camb. Actg. Prof. (P.)
 Sweeney, G. M. J., B.A., LL.B.
 S.A. Assoc. Prof. (D.)
 Lansdown, A. V., B.A., LL.B.
 S.A. Sr. Lectr. (D.)
 Seymour, W. G. M., B.A., LL.B.
 S.A. Sr. Lectr. (P.)
 5 Pt.-time Lectrs.

Mathematics, Applied (P. and D.)

Stein, P., B.A. Cape T., M.A.,
 Ph.D. Camb. Prof. (D.)
 Peck, J. E. L., M.Sc. S.A., Ph.D.
 Yale Sr. Lectr. (D.)
 Bateman, Gertrude I., B.A. Camb.,
 M.A. Cape T., Ph.D. Lond.
 Sr. Lectr. (P.)
 Schuddeboom, F. J., Phil. Cand.
 Leiden, M.Sc. Stell.
 Sr. Lectr. (D.)

1 Pt.-time Lectr.

Mathematics, Pure (P. and D.)

McKinnell, J., B.Sc., M.A. Glas.
 Prof. (P.)
 Cruise, S. E., M.A. Camb.
 Lectr. (D.)
 van der Borgh, R. F. E., L. ès
 Sc. Math. Louvain.
 Hill, C. K., M.Sc. S.A., B.A.
 Camb. Lectr. (D.)
 Livingstone, D., M.Sc. S.A.,
 Ph.D. Edin. Lectr. (P.)

Philosophy (D. and P.)

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.
 Temp. Lectr. (P.)

1 Demr.

Psychology (P. and D.)

Notcutt, B., B.A. Oxon., D.Ph.
 Stell. Prof. (D.)
 Pratt-Yule, Ella T., M.A., Ph.D.
 St. And. Hd. of Dept. (P.)
 Albino, R. C., 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.
 2 Temp. Lectrs.

Speech and Drama

Sneddon, Elizabeth, M.A. Glas.
 Sr. Lectr. (D.)
 Quinton, P., M.A. Camb.
 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.
 1 Temp. Lectr.

Zoology (P.)

Bush, S. F., M.Sc. S.A., D.Phil.
 Oxon. Prof.

Ewer, D. W., M.A. Camb., Ph.D.
 Birm. Sr. Lectr.
 Burton, A. J., B.Sc. St. And. (P.)
 Lectr. (D.)
 Pople, W., M.Sc. Lectr. (D.)
 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

Saunders, A. R., D.Sc. Agric. Pret.
 Prof.
 Smuts, I. J., B.Sc. Agric. S.A.
 Prof.
 Nathanson, K., B.Sc. Agric. Pret.
 Lectr.

Animal Husbandry

Laurence, G. B., B.Sc. Agric.
 Pret., Ph.D. Camb. Prof.
 Kotze, P. L., M.Sc. Agric. Pret.
 Sr. Lectr.
 Bishop, G. P., B.V.Sc. Pret.
 Sr. Lectr.
 du Plessis, P. H. C., B.Sc. Agric.
 Pret. Lectr.
 Erasmus, J., B.Sc. Agric. Pret.
 Temp. Lectr.

Biometry

Rayner, A. A., Ph.D. Edin. Prof.

Dairying

Abbott, C. W., B.Sc.Agric. Pret.,
M.Sc. and Ph.D. Iowa Prof.
Claassens, J. W., M.Sc.Agric. Pret.
Lectr.

Entomology

Oosthuizen, M. J., B.Sc.Agric.
Pret., Ph.D. Minn. Prof.
Bosman, J., 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.
Temp. Lectr.

Horticulture

le Roux, J. C., B.Sc.Agric. Stell.,
M.Sc. Calif., M.Sc. Hawaii
Prof.
Allen, P., B.Sc.Agric. Lectr.
Knox-Davies, P. S., B.Sc.Agric.
Temp. Lectr.

Plant Pathology and Microbiology

Truter, Susarah, J., B.Sc. S.A.,
M.Sc. Stell., D.Sc. Utrecht
Lectr.

Soil Conservation and Pasture Management

Scott, J. D., M.Sc. S.A., D.Sc.
Rand. Prof.
Pienaar, A. J., B.Sc. S.A. Lectr.

Engineering (D.)—*Civil Engineering*

Daymond, J. R., M.Sc.Eng.
Wales Prof.
..... Sr. Lectr.
Norman, D. G., B.Sc.Eng. S.A.,
Dipl. S. Lectr.
..... Lectr.
..... 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.
..... Lectr.
..... Lectr.
1 Temp. Lectr., 1 Workshop Asst.

Mechanical Engineering

Gould, A. J., Ph.D. Camb., D.Sc.
Lond. Prof.
Reim, E. P., B.Sc.Eng. S.A.
Sr. Lectr.
Lecturers
Kramer, P. J., Dip.Ing. Delft.
Langer, G., M.Sc.Eng. Rand.
Leeman, E. R., B.Sc.Eng. S.A.
2 Workshop Assts., 1 Demr.

Paint Research Institute (D.)

Hamilton, G. M., M.Sc. Lond.
Dir.
Hart, K. R., M.A. Oxon.
Res. Officer.
Klein, A., Dip.Ing.Chim., D.Chim.
Stras. Res. Officer.
Rousa, R. E. Scientific Asst.
Fairburn, Florence K. Sec.

Sugar 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.
..... Chemist.
Alexander, J. B., B.Sc. S.A.
Bacteriologist.
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.	.....	Plant Physiologist.
Lond. Geneticist.		
Sherry, S. P., B.Sc. S.A., M.A.	Gordon-Gray, C. G., B.Sc.	
Oxon. Silviculturist.		Chemist.
Ossowski, L. L. J., M.F., For. Ing.,	Smith, Miss E. K.	Sec.
D.Sc. Poznan Entomologist.	5 Jr. Tech. Assts.	

ADMINISTRATIVE AND OTHER STAFF

ASST. ACCOUNTANT: G. L. E. Swain. SEC. (Durban): Miss C. A. Graham, Howard Coll. SEC. (City Bldg.): Miss V. M. Luyt, B.Com. S.A.

LIBRARY. Dep. Librarian: H. L. Maple, B.A. Lond., M.A. Cape T., F.L.A.

STUDENT ADVISER AND EMPLOYMENT OFFICER: O. F. Black, B.Sc. Stell., M.A., Ph.D. Col.

NON-EUROPEAN SECTION. Organizer: Dr. M. Palmer. Sec.: Miss N. Kayser, B.A. Lond.

WARDENS OF RESIDENCES. Pietermaritzburg: Men's Residence, O. F. Black, B.Sc. Stell., M.A., Ph.D. Col.; University Hall (Women), Mrs. M. E. Kirkwood. Durban: Men's Residence, N. H. MacKenzie, M.A., Ph.D.; Charles James Hall (Women), Miss E. Sneddon, M.A.; Wentworth College Non-European Residence, G. C. Cato, M.A., B.D. Aberd.

SUPTS. OF GROUNDS AND BUILDINGS: W. G. Vorster (Durban), 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.

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, £55 p.a. Agric. Science, £65 p.a. Law, Engin., Surveying, Quantity Surveying and Archit., £75 p.a. Med., £60 for each of the two pre-medical yrs., £75 p.a. for subsequent yrs. of study. In subsequent yrs. of study other than the first yr. for all facs. except med., a reduction of from £2 : 10s. to £10 p.a. is granted. *Residence Fees*, £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," *supra*.) Students are normally expected to reside at one of the residences unless living with their parents. *European* : Men's Residence, P.O. Oribi, Pietermaritzburg (*Telephone* : 4022), accomm. for 227. University Hall (women), Pietermaritzburg (*Telephone* : 4018), 149. 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 1951

SUBSTANTIAL BENEFACTIONS. Univ. Development Foundation raised £432,000 from a large no. of private donors in 1946-51 ; Pietermaritzburg and Durban municipalities each grants £4000 annually.

NEW BUILDINGS. Men's residence (Ansell May Hall), Durban, completed and further extensions proceeding ; erection of new Med. Sch. on site adjacent to King Edward VIII hosp., at cost of £350,000, proceeding ; new Agric. Fac. bldg. in Pietermaritzburg, at cost of £230,000, proceeding.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Charles Inglis, Camb., "Applied Mechanics" ; Prof. E. Walker, Camb., "The Making

of the Union"; Prof. H. Clark, Col., "The Economics of Education"; Prof. C. A. W. Manning, Lond., "International Relations as a University Subject."

RETIREMENTS. J. G. W. Ferguson (Educn.); O. J. P. Oxley (Fine Arts).

RESIGNATIONS. R. Grimmond (Electr. Engin.); B. Chiat (Land Surveying); M. S. Zekrzewski (Civil Engin.); N. du Plessis (Maths.); S. F. Osborn (Speech and Drama); T. J. D. Fair (Geog.); W. A. Dark (Chem. Technol.); Prof. H. Pollak (Sociol.); A. Klein (Paint Industries Res. Inst.); C. B. van Wyk (Appl. Maths.); M. F. Prestwich (Hist. and Pol.); O. Davies (Classics); D. J. O'Connor (Philos.).

HONORARY DEGREES CONFERRED. *LL.D.*—The Rt. Rev. Dr. L. N. Fisher, formerly Archbishop of Natal. *D.Litt.*—R. A. Banks, formerly Dir. of Educn. in Natal.

STUDENTS, 1951.

(a) *European*

	<i>Part-Time</i>	<i>Full-Time</i>
Men	35	1310
Women	23	316
Total	58	1626

Included in the above are 170 postgraduate students and 471 new admissions.

(b) *Non-European*

	<i>Part-Time</i>	<i>Full-Time</i>
Men	6	165
Women	1	23
Total	7	188

Included in the above are 6 postgraduate students and 90 new admissions.

DEGREES AWARDED. *Agric.*: B.Sc. Agric., 27; M.Sc. Agric., 2. *Arts*: B.A., 81; B.A. (Fine Arts), 3; B.A. (Fine Arts Hons.), 1; B.A. (Hons.), 13; M.A., 2. *Comm.*: B.Econ. (Hons.), 1; B.Com., 7; B.Econ., 2; Ph.D., 1. *Educn.*: B.Ed., 1. *Engin.*: B.Sc. (Survey), 1; B.Sc. (Eng.), 45; B.Arch., 1; M.Sc. (Eng.), 1. *Law*: LL.B., 6. *Soc. Sci.*: B.Soc.Sc., 2; B.Soc.Sc. (Hons.), 2. *Science*: B.Sc., 31; B.Sc. (Chem. Tech.), 3; B.Sc. (Hons.), 24; M.Sc. (Chem. Tech.), 1; M.Sc., 13.

DIPLOMAS AWARDED. Univ. Educn. Dipl. (Gen.), 17; Univ. Educn. Dipl. (Tech.), 1; Univ. Educn. Dipl. (Non-Grad.), 4.

THE UNIVERSITY OF THE ORANGE FREE STATE *

Founded 1855

Postal Address: Bloemfontein, O.F.S.

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—Prof. H. v. d. MERWE SCHOLTZ, M.A., D.Litt.

DEANS—*Arts*, Prof. B. KOK; *Commerce and Public Administration*, Prof. C. v. H. DU PLESSIS; *Education*, Prof. H. BLIGNAULT; *Law*, Prof. J. P. VERLOREN VAN THEMAAT; *Science*, Prof. A. P. MALAN; *Social Science*, Prof. J. DE W. KEYTER.

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, G. J., D.Litt. Pret., M.A. Sr. Lectr.

Beukes, G. J., D.Litt. Pret., M.A. Sr. Lectr.

Astronomy

.....

Bantu Languages, Ethnology and Native Administration

Van Schalkwyk, A. W., M.A., D.Phil. Stell. Prof.

Van der Westhuizen, S. B., M.A. Lectr.

Botany

Lütjeharms, W. J., Phil.Nat.D. Leiden Prof.

Bakker, E. M. V. Z., Ph.D. Lectr.

Gemmell, Miss D. M., M.Sc. Lectr.

Coetzee, Miss J. A., M.Sc. Rand. Asst.

Chemistry, Organic and General

Groenewoud, P. W. G., D.Phil. Oxon., M.Sc. Prof.

Chemistry, Physical and Applied

..... Prof.
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. Sr. Lectr.

Paap, A. H. R. E., D.Litt. et Phil. Utrecht Lectr.

Economics and Economic History

Du Plessis, C. v. H., M.A. Stell., M.Sc. Minn., D.Phil. Pret. Prof.

Van Rensburg, W. J., M.A. Lectr.

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

English

- Hopwood, D. P., 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.
Berry, H. J., M.Sc. Lectr.

German and French

- Dekker, J. J., Dr.Phil. Vienna,
M.A. Prof.
Lichtenberg, K. F. W., M.A.,
D.Phil. Berlin Lectr.

Hebrew

- Block, M., Dr.phil. Zürich Lectr.

History

- Uys, C. J., D.Litt. Pret., M.A.
Prof.
Oberholster, J. J., M.A., D.Phil.
Sr. Lectr.

Hygiene

- van der Merwe, I. R., B.A., M.Ed.,
D.Phil. S.A. Sr. Lectr.
Le Grange, Suzanne E., B.Ed.Ph.
Lectr.

Law

- Van Themaat, V., J.P., B.A.,
LL.B. Stell., Docts.Jr.
Leiden, LL.D. Pret. Prof.
Joubert, W. A., B.A., LL.D.
Sr. Lectr.

Lecturers

- Gray, F. W.
Kotzé, N. J. de R.
Potgieter, H.
Smuts, F. S.
van Rhyn, G.

Mathematics, Pure and Applied

- Malan, A. P., M.Sc. Prof.

- Van Wyk, C. B., M.Sc. Stell.,
D.Sc. Pret., Ph.D. Camb.

- Prof.
Reitsma, A., M.Sc. Sr. Lectr.

Music

- Roode, D. J., B.Mus. Prof.
van der Merwe, F., B.Mus. Rand.
Sr. Lectr.

- Koole, A., D.Litt. et Phil. Utrecht
Lectr.

- Kautzky, Mrs. G. Lectr.

Philosophy

- Venter, E. A., M.A., M.Div.,
Ph.D., D.D. Prof.

Physical Education

- van der Merwe, I. R., B.A., M.Ed.,
D.Phil. S.A. Sr. Lectr.

Physics

- Immelman, M. N. S., M.Sc. Cape
Prof.
van de Byl, J., M.Sc. Stell., A.M.
Harv. Sr. Lectr.
Alberts, L., M.Sc. Lectr.

Political Science

- Strauss, H. J., Docts.Jur. Amst.,
B.A. Prof.

Psychology

- Schmidt, C. H., M.A. Stell.,
B.Litt. Oxon. Prof.
Eloff, G., M.A., D.Sc. Gron.
Sr. Lectr.

Sociology and Social Work

- Keyter, J. de W., M.A., B.Ed.
Stell., Dr.Phil. Mun. Prof.
Vorster, H. R., M.A., D.Phil.
Sr. Lectr.
Prinsloo, Miss M. J. M., M.Com.
Sr. Lectr.

- Mahne, Miss L. J., B.A. Sr. Lectr.
Retief, F. P. le R., B.A. Lectr.

Statistics and Finance

- Reitsma, A., M.Sc. Sr. Lectr.

Zoology

- De Wit, J. J. D., Phil.Nat.D.
Utrecht Prof.

van Pletzen, R., M.Sc. Stell., D.Sc.	Britton, A. H., B.A., B.Ed. (Phys. Educn.)
Lectr.	Sr. Lectr.
Dreyer, Miss M. V., B.Sc. Asst.	Venter, E. H., B.Ed., B.A., B.Com. (Woodwork)
	Sr. Lectr.
Teachers' College of the University of the O.F.S.	Botha, G., B.A., B.Sc., B.Educ. (Arith.)
Loubser, Prof. J. W., M.A. Oxon.	Sr. Lectr.
Principal.	Willmot, Miss A.
Blignault, Prof. H., B.A., D.Ed. Stell.	Sr. Lectr.
Dean of Fac.	Hopewell, Miss D., B.A. (Fine Arts) (Drawing and Hist. of Art)
<i>Education</i>	Sr. Lectr.
Blignault, H., B.A., D.Ed. Stell.	van Loggerenberg, Rev. J. H., B.A. (Bible Hist.).
(Educ. Psychol.)	Prof.
Loubser, J. W., M.A. Oxon. (English)	Cochrane, Miss D. G. (Kindergarten).
Prof.	Nienaber, Miss H.
du Toit, J. J., B.A. Pret., Phil.D. Amst. (Pedagogy)	Instr.
Sr. Lectr.	de Beer, Miss J. H.
Lategan, F. V., M.A. (Afrikaans)	Instr.
Sr. Lectr.	van den Heever, Miss C. M.
Smit, A., M.A., M.Ed. (Hist. and Geog.)	Instr.
Sr. Lectr.	Karstel, O. A. (Singing)
van Rooyen, G. H., B.Sc. (Agric.) (Hyg. and Nature Study)	Instr.
Sr. Lectr.	Welman, H. G., B.Com. (Short-hand 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-keepers : J. P. Pretorius ; M. C. Schwella. Registration Officer : H. W. D. Coetzee.

GENERAL INFORMATION

Founded in 1855 by Sir George Grey, and by Act No. 21 of 1949, the College was granted independent status, and on March 18, 1950, became the University of the Orange Free State. It provides courses for degrees in Arts, Science, Law, Education, Commerce, Music, Physical Education and professional qualification as Social Workers, also preliminary training for Med. and Chem., Engineering, Agricultural and Veterinary Science. Facilities are also provided for students preparing for the "Admissie-eksamen" of the Theological Seminary at Stellenbosch. Students have access to the Fichardt Library, Railway Library, Archives, War Museum, National Museum, Lamont Observatory and Boyden Observatory.

ADMISSION. See Appendix I.

HOSTELS for men and women within the Univ. grounds. Board and residence, £90 per session. Tuition Fees, £17 : 10s. per semester.

EXTRA-MURAL WORK in the Facs. of Law, Arts and Commerce.

PUBLICATIONS. *Calendar, Shimla and Irawa.*

THE YEAR 1951

NEW BUILDINGS. University Hall ; Administrative Offices ; Library ; Conservatorium for Music.

RETIREMENTS. Prof. G. H. T. Malan ; Prof. W. von Bonde ; Prof. F. Zweerts.

RESIGNATION. C. P. Joubert, apptd. Sr. Lectr. Pret. Univ.

DEATH. Prof. W. F. C. Arndt.

HONORARY DEGREES. Dr. T. Blok, since 1940 Chief Sec. of Free State Teachers' Assn. ; Dr. S. H. S. Rubidge, palæontologist.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	—	685
Women	—	437
Total	—	1 122

Included in the above are 164 postgraduate students and 392 new admissions.

DEGREES AWARDED. B.A., 59 ; B.Mus., 3 ; B.A. (S.S.), 6 ; B.P.Ed., 4 ; B.Sc., 18 ; B.Com., 22 ; B.A. (Admin.), 1 ; LL.B., 5 ; B.Ed., 12 ; M.A., 12 ; M.Sc., 5 ; M.Com., 1 ; M.Ed., 2 ; D.Phil., 2 ; D.Sc., 1 ; D.Ed., 1.

DIPLOMAS AND CERTIFICATES AWARDED. Music, 4 ; U.E.D., 32.

THE POTCHEFSTROOM UNIVERSITY

FOR CHRISTIAN HIGHER EDUCATION *

Founded 1869; incorporated as an Independent University, 1951

Postal Address : Potchefstroom, Transvaal.

Telephone : Potchefstroom 148 and 758.

CHANCELLOR—J. D. DU TOIT, D.Theol. Amst., D.D., D.Litt. S.A.,
Pret., Stell., Cape T. and Rand.

CHAIRMAN OF COUNCIL—Rev. H. J. R. DU PLESSIS.

RECTOR AND CHAIRMAN OF THE SENATE—Prof. J. C. VAN ROOY, M.A.
S.A., D.Phil., V.U. Amst.

VICE-CHAIRMAN OF SENATE—Prof. J. C. COETZEE, M.A., M.Ed., D.Phil.,
F.B.Ps.S.

PRESIDENT OF CONVOCATION—Prof. L. J. DU PLESSIS, 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.
Erasmus, D. P., B.Com. S.A.
Lectr.

Bantu Languages

Kaske, Rev. E. F. K.
Temp. Asst.

Botany

Goossens, A. P., Ph.D., D.Sc. S.A.,
F.R.S.S.Af. Prof.
Botha, P. J., M.Sc., Ph.D. S.A.
Sr. Lectr.
Papendorff, M. C., M.Sc., Ph.D.
S.A. Lectr.

Chemistry

du Plessis, D. J., M.Sc. S.A.,
D.Phil. Bonn Prof.
Tiedt, J., M.Sc. S.A. Sr. Lectr.

van den Berg, J. A., M.Sc. Lectr.

Commerce

Viljoen, D. J., M.Com. S.A.
Prof. and Actg. Dean.
Erasmus, D. P., B.Com. S.A.
Lectr.

Domestic Science

Joubert, Elsie S., B.Sc. Dom. Sci.
Asst.

Dutch and Afrikaans

Dekker, G., M.A. S.A., D.Litt.
Amst. Prof.
Labuschagne, F. J., M.A. S.A.
Prof.

Venter, H., M.A., D.Litt. S.A.
Sr. Lectr.

Gonin, Frances C., M.A. Stell.,
Litt.Dra. Amst. Sr. Lectr.

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

Economics and Economic Hist.

van Deventer, B., B.Comm.,
M.Econ. S.A., Dr.Econ. Amst.
Sr. Lectr.

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.
van der Merwe, P. J., M.A. Rand.

English

Davies, R. E., M.A. S.A., Ph.D.
Lond. Prof.
Fourie, I. J. v. H., M.A., D.Phil.
S.A. Sr. Lectr.
Pretorius, J., B.A. S.A. Lectr.

French

Gonin, Frances C., M.A. Stell.,
Litt.Dra. Amst. Sr. Lectr.

Geography

van der Merwe, J. S., M.Sc., M.A.
S.A. Prof.
Duvenage, J. P., M.A. S.A. Lectr.

Geology

Ackermann, P. B., M.Sc. Cape T.
Sr. Lectr.
Bisschoff, A. A., M.Sc. S.A.

German

Schulze, H. G., M.A. S.A., D.Phil.
Bonn Prof.
Brandt, P. A., M.A. S.A., D.Phil.
Leipzig Lectr.

Greek

Postma, A., B.A. S.A. Sr. Lectr.

History

Krüger, D. W., M.A., D.Litt. S.A.
Prof.
Du Plessis, J. S., M.A. S.A.
Sr. Lectr.

Latin

Coetzee, W. N., M.A., D.Phil. S.A.,
M.Ed. Stell.
Coetzee, J. J., M.A. S.A. Lectr.

Law

Senior Lecturer
Swanepoel, H. L., B.A., LL.D.
Stell.

Mathematics and Applied Maths.

van Rooy, D. J., M.A. S.A.
Prof. and Dean.
Robbertse, W. P., M.Sc. S.A.,
Dr.Sc.T. Delft Prof.
De Wet, J. M., M.Sc. S.A., B.Sc.
Eng. Rand., Ph.D. Lond.
Sr. Lectr.

Music

Malan, J. P., B.A., B.Mus. S.A.
Sr. Lectr.
Van der Walt, J. J. A., B.Mus.,
B.Sc. S.A. Lectr.

Pharmacy

..... Lectr.

Philosophy

Stoker, H. G., M.A. S.A., D.Phil.
Keulen. Dean and Prof.
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.

Taljaard, J. A. L., M.A. S.A.,
Phil.D. Amst. 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.
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. 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.

De Kierk, B. J., M.A., B.D. S.A.,
D.Theol. Amst.

Zoology and Biology

Eiselen, G. T. S., M.Sc. Rand., Dr.
rer.nat. Jena Prof.

van Eeden, J. A., D.Sc. Stell.
Sr. Lectr.

Ryke, P. A. J., M.Sc. Stell. Lectr.

van Eeden, D., B.Sc. S.A. Lectr.

De Kock, J. M., B.Sc. Stell.
Temp. Asst.

Conservatoire of Music

Roode, M. C., B.Mus. Principal.
Müller, D.

Wegelin, A. W. (Violin).

Smuts, S.

Pretorius, Mrs. Thelma.

De Wet, Mrs. Heine G.

Net, Collette.

Papé, Mme Naomi (Singing).

Coetzee, Mrs. Miemie R.

ADMINISTRATIVE AND OTHER STAFF

Organizer : C. J. H. Schutte, B.Com. S.A. Accountant : P. J. De Wet.
Chief Clerk : F. N. Lion-Cachet. Cttee. Clerk : G. J. H. Kruger, B.A. Examn.
Clerk : A. Barnard. Housemaster (Student Residences) : D. J. van Rooy,
M.A. S.A. Supt. (Grounds) : G. Bosman.

LIBRARY. Temp. Chief Asst. : Mrs. Johanna van Rooy. 9 Assts. and
Typists. Bookbinder : S. Buys and 1 Asst.

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. D. J. Viljoen (Actg. Dean); *Educn.*, Prof. H. J. J. Bingle; *Sci.*, Prof. D. J. van Rooy; *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 Appendix I.

DEGREES. *Bachelor's Degrees*: B.A., B.A. Hons., B.Mus., LL.B., B.Sc., B.Sc. Hons., B.Sc. (Dom.), B.Sc. (Hyg.), Th.B., B.Ed., B.D.Ed., B.P.Ed., B.Comm., B.Comm. Hons., B.Soc.Sc., B.Soc.Sc. Hons. *Master's Degrees*: M.A., M.Mus., M.Sc., Th.M., M.Ed., M.Comm., M.Soc.Sc. *Doctor's Degrees*: D.Litt., D.Phil., D.Mus., D.Sc., Th.D., D.Ed., D.Comm., D.Soc.Sc., 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. 49,521 vols.; 666 magazines and periodicals.

A MUSEUM is accommodated in "De Oude Molen" estate owned by the Univ.

STUDENT RESIDENCES. Fees, £72 p.a. Women: De Klerkhuis, 81 students; Piet Groblerhuis, 52. Men: Postmahuis, 20; Uitspan, 36; Heimat, 38; Ons Huis, 49. An increase in Fees is contemplated.

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 1951

BENEFACTIONS. £23,784 towards extension fund from public donations.

NEW DEPARTMENTS AND POSTS. Professorships in Semitic Langs. and Comm.

RETIREMENT. Prof. G. van Wageningen.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	20	657
Women	6	179
Total	26	836

Included in the above are 210 postgraduate students and 281 first-year admissions.

DEGREES. B.A., 76 ; D.Phil., 1 ; Ph.D., 1 ; D.Litt., 2 ; Hons. B.A., 15 ; M.A., 6 ; B.Comm., 22 ; B.Econ. (S.A.), 1 ; Hons. B.Comm., 6 ; B.Ed., 15 ; B.P.Ed., 6 ; D.Ed., 8 ; M.Ed., 5 ; B.Sc., 23 ; B.Sc. (Dom.), 2 ; B.Sc. (Hyg.), 1 ; Hons. B.Sc., 4 ; M.Sc., 1 ; B.A.S.S., 10 ; Hons. B.A.S.S., 1 ; B.D., 2 ; M.Div., 1.

[Information compiled as at 10/5/52 ;
Staff list revised on 18/8/52.]

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.

Telegrams : 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—M. 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 Ger-
manic, *infra*

Agriculture, v. *infra*

Architecture and Quantity Sur-
veying

Meiring, A. L., B.A. Cape, B.Arch.
Liv. (Design, Bldg. Con-
struction, Acoustics) Prof.
Louw, T. H., B.Sc.(Q.S.)
(Quantities, Mensuration, Pro-
fessional Practice, Analysis of
Bldg. Costs, Valuations and
Reports, Estimates and Bldg.
Finance) Sr. Lectr.

..... 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.

1 Temp. Jr. Lectr., 2 Demrs.

Biochemistry, v. also Vet. Science
and Agric., *infra*

Grotepass, F. W. K., Dr.Phil.
Gött. Sr. Lectr.

Mentz, H. E. A., M.Sc. Lectr.

Botany and Biology, v. also Vet.
Science

..... Louis Botha Prof.
Mes, Margaretha G., B.Sc., Ph.D.
Utrecht (Plant Physiol. and
Plant Biochem.) Prof.

Schweickerdt, H. G. W. J., B.Sc.
S.A., Ph.D. Bonn (General
Bot.) Prof.

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

Theron, J. J., M.Sc. S.A., D.Ph.
Berl. Lectr.
Cholnoky, B. J., D.Sc. Szeged
Lectr.

3 Tech. Assts., 10 Demrs.

Chemistry

3 Tech. Assts.

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. Prof.
Brink, C. v. d. M., M.Sc. Stell.
Sr. Lectr.

2 Lab. Assts.

Chemistry, Physical

le Roux, L. J., M.Sc., B.Com. S.A.
Sr. Lectr.

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. Leiden, LL.B.
(Latin).

Pistorius, P. V., M.A., B.D. Stell.,
Litt.D. Leiden, D.Litt. (Hel-
lenic and Patristic Greek).

Lecturers

de Kock, E. L., Litt.D. Leiden,
M.A. (Greek).

la Grange, L. J. D., B.A. (Latin).

2 Pt.-time Lectrs.

*Commerce and Public Adminis-
tration, v. also Geog., Law,
Maths.*

Wynholds, H. W. J., Dr.Econ.
Utrecht (Banking) Prof.

Botha, D. J. J., B.Com. (Banking)
Lectr.

Hoek, P. W., B.Com.

(Accountancy) 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 Ad-
min. 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. (Pol.
Science and Public Admin.)
Sr. Lectr.

Nieuwoudt, C. F., B.A. (Pol. Sci.
and Pub. Admin.) Lectr.

11 Pt.-time Lectrs., 6 Assts.

Domestic Science

Ackerman, Esther M., M.Sc. Corn.,
B.Sc. Dom.Sc. Sr. Lectr.

Vos, Aletta C., D.Sc. Stell.
Sr. Lectr.

de Vos, Susanna J. C., B.Sc. Dom.
Sc.

1 Jr. Lectr., 2 Temp. Lectrs.

*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. (Afrikaans
Lang.).

Scholtz, H. v. d. M., M.A. S.A.,
D.Litt. et Phil. Amst. (Afrikaans Lang.).

1 Temp. Lectr.

Economics, v. Commerce

Education, v. *infra*

English

Titlestad, R. M., M.A., LL.B. S.A.,
M.A. Oxon. Prof.

Partridge, A. C., Ph.D. Cape T.,
M.A. Sr. Lectr.

Sabbagha, N. G., M.A. S.A., M.A.
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. Sor-
bonne, 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., D.Sc. Prof.

Nel, H. J., D.Sc. Sr. Lectr.

Zagt, S., M.Sc. Lectr.

Koen, G. M., M.Sc. Lectr.

1 Tech. Asst.

German

Mostert, L. C., B.A. Stell., Ph.D.
Hamburg (German Lang.)

Prof.

Trümpelmann, J., B.A. S.A.,
Dr.Phil. Leipz., D.Phil.

Sr. Lectr.

1 Pt.-time Lectr.

Hebrew

van Selms, A., Th.D. Utrecht Prof.
van Zyl, A. H., B.D., M.A. Lectr.

History

Pelzer, A. N., M.A., D.Phil. Prof.
Smit, W. A. P., Dr.Litt. Leiden
and Utrecht

Prof. of Hist. of Neth.
Culture, Guest Prof.
1952.

van der Westhuysen, H. M., M.A.,
D.Litt. (Hist. of Afrikaans
Culture) Prof.

Spies, F. J. du T., M.A. S.A.,
Litt.D. Leiden Sr. Lectr.

de Kock, W. J., M.A., B.Ed. Cape,
D.Phil. Stell. (on leave to July
1954) Lectr.

1 Pt.-time Lectr.

Land Surveying

Van Der Walt, I. H., B.Sc. S.A.,
Dip. Land Surveying Lectr.

1 Temp. Lectr., 4 Pt.-time Assts.

Law, v. *infra*

Library Science

Coetzee, P. C., B.A. S.A., M.A.
Sr. Lectr.

Lecturers

van den Bergh, A. J., B.A., Dip.
Libr. Lectr.

Rautenbach, Maria D., B.A. Stell.
Lectr.

4 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.

3 Pt.-time Lectrs., 1 Jr. Lectr.

Mathematics, Applied

Beezhoud, W. F., D.Sc. Utrecht,
M.Sc. Prof.

Lecturers

Geldenhuys, J. J., M.Sc.
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., 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 Ad-
min.)

Coertze, P. J., M.A., D.Phil. Stell.
(Soc. A.) Prof.
Eloff, J. F., B.A. (Soc. A.)
Sr. Lectr.
Potgieter, E. F., B.A. Stell., M.A.
(Appl. Soc. A.) Sr. Lectr.
Bothma, C. V., M.A. (Soc. A.)
Lectr.
1 Jr. Lectr.

Sociology and Social Work

Cronjé, G., M.A. Stell., Litt. et
Phil. Dr. Amst.
Dean, Fac. of Arts, Prof.

Lecturers

van Zyl, G. J., B.A.(S.W.), M.A.
Venter, H. J., 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.
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.
Potgieter, D. J. J., B.Sc. Lectr.

Agric. Chemistry and Soil Tech-
nology

Theron, J. J., B.Sc. Agr. S.A.,
Ph.D. Calif. (Soil Tech.)
Dean of Fac., Prof.

van Wyk, L. P., B.Sc.Agric.

Lectr.

Agric. Economics

Tomlinson, F. R., M.Sc.Agric.

Stell., Ph.D. Corn., D.Sc.
Agric. Prof.

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., M.Sc.
Agric. Lectr.

2 Temp. Lectrs.

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.
Lectr.

van Wyk, Leona E., M.Sc. Lectr.

Agronomy

Haylett, D. G., M.Sc. Ill., Ph.D.
Corn. Prof.

du Preez, W. B., M.Sc.Agric.
Sr. Lectr.

1 Pt.-time Lectr.

Animal Husbandry, Sheep and Wool, Animal Breeding

Bonsma, F. N., B.Sc.Agric. S.A.,
D.Sc.Agric. (Animal Breeding)
Prof.

Lecturers

Starke, J. S., M.Sc.Agric.

Bonsma, J. C., M.Sc.Agric. (An.
H.).

Hirzel, R., B.Sc.Agric. Stell.,
M.Sc.Agric. (An. H.).

Dairying

Davel, H. B., B.Sc. Iowa
Union-Castle Prof.

Senior Lecturers

Neathling, 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

..... Union-Castle Prof.

Oberholzer, P. C. J., Ph.D. Ari-
zona, 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
Union-Castle Prof.

1 Asst. Lectr.

Veterinary Science

Henning, M. W., D.Sc. S.A. Prof.

Dentistry

Conservation

Joubert, P. M. B., Tandarts,
Utrecht

Hd. of Dept., Prof.

10 Pt.-time Lectrs.

Dental and Oral Surgery

Goldin, H., D.D.S. Mich.
Hd. of Dept. (Pt.-time),

Lectr.

2 Pt.-time Lectrs.

Dental Pathology and Histo-Pathology

de Jager, C. L., B.A. S.A., B.D.S.
Rand. Hd. of Dept., Prof.

Prosthetics

Louw, H. H., B.D.S. Rand.

Hd. of Dept. (Pt.-time),
Prof.

2 Pt.-time Lectrs.

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.
Groenewald, A. J., B.A. Stell.,
M.A. Col., D.Ed. Lectr.
1 Tech. Asst.

Educational Sociology

Nel, B. F., B.A., D.Phil. S.A.,
Litt. et Phil.D. Amst., M.Ed.
Prof.
Groenewald, A. J., B.A. Stell.,
M.A. Col., D.Ed. Lectr.
du Plessis, P. J. J., B.A., S.E.D.
Stell., M.Ed. Lectr.
1 Tech. Asst.

General History and Theory of Education

du Toit, J. J., D.Phil. Amst.,
D.Ed. Potchef. Prof.
2 Pt.-time Lectrs.

History of Education in South Africa

Pelzer, A. N., M.A., D.Phil. Prof.

Nursery School Training

Naude, Helena J. Lectr.
7 Pt.-time Lectrs. in Faculty of
Education as a whole.

Philosophy of Education

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. 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.
Dean of Fac., Prof.
Hamman, E. M., LL.D. Leiden,
B.A., LL.B. (Merc. L.) 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. Prof.
Trengeve, J. J., B.A., LL.B.
Sr. Lectr.
Botha, A. S., B.A., LL.B. Lectr.
Joubert, C. P., B.A., LL.D. Leiden
Lectr.

2 Pt.-time Lectrs.

Roman Law

van Warmelo, P., LL.D. Leiden,
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.
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. T., Arts. Gron.
Temp. Lectr.
Horn, L. Tech. Asst.
2 Student Demrs., 2 Asst. Pt.-time
Lectrs.

*Bacteriology, v. Pathology and
Bacteriology*

Children's Diseases

Davel, J. G. A., M.Sc. S.A., M.A.,
B.M., B.Ch. Oxon., M.D.
Klin.Ped. Rand. Prof.
..... Sr. Lectr.
2 Clin. Assts.

*Diseases of the Ear, Nose and
Throat*

Hofmeyr, J. H., B.Sc., M.B.,
Ch.B. Cape T., F.R.C.S.Ed.
..... Sr. Lectr.
Swanepod, 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.
Mostert, G. v. R., B.A. Sr. Lectr.
4 Clin. Assts., 1 House Doctor.

Infectious Diseases

Nelson, H. M. A., M.D., Ch.B.,
B.A.O. Dub., D.P.H., D.T.M.
..... Sr. Lectr.
Dicks, R. L., M.B., Ch.B. Edin.,
D.P.H. Rand. Asst.
2 Additional Assts.

Medical Ethics

Pyper, A., M.D., D.Sc., Dip. Trop.
Gen. Hamburg Lectr.

Medicine

Snyman, H. W., M.B., B.Ch. Rand.,
M.D. Gron. Sr. Lectr.
..... Sr. Lectr.
Kloppers, P. J., M.D. Rand.

..... Sr. Lectr.
du Toit, J., M.B., Ch.B. Cape T.
..... Sr. Lectr.
Wessels, L. M., M.B., Ch.B. Rand.,
M.D. Clin. Sr. Lectr.
Ziady, F., M.B., Ch.B. Cape T.,
M.D. Sr. Lectr.
4 Jr. Lectrs., 10 Clin. Assts.

Orthopædics, v. Surgery, infra

Pathological Anatomy

Barnetson, J., M.B., Ch.B. Edin.,
D.T.M. & H. Rand. Prof.
Barnard, P. J. J., M.B., Ch.B.
Cape T. Sr. Lectr.
3 Tech. Assts.

Pathology and Bacteriology

Pijper, A., M.D., D.Sc., Dipl. Trop.
Gen. Hamburg Emeritus Prof.
Kinneer, A. A., B.Sc., M.B., Ch.B.
Cape T. Sr. Lectr.
Dunston, T., M.D., B.Ch. Rand.
(Clin. Path.) Sr. Lectr.
Kingsley, C. S., M.B., Ch.B. Rand.
..... Lectr.
Crocker, Clarice G., M.Sc. Rand.,
Ph.D. S.A. Lectr.
8 Tech. Assts., 4 Lay Assts.

Pharmacology

Steyn, D. G., B.Sc. Stell.,
Dr.Med.Vet. Vienna, D.V.Sc.
..... Prof.
1 Temp. Demr., 1 Tech. Asst.

Physiology

Brink, C., B.Sc. Stell., M.B., B.Ch.
Rand. Prof.
Odendaal, W. A., D.Sc. Stell.
..... Sr. Lectr.

Rabie, J., M.Sc. Stell. Lectr.
 Mihàlik, P., M.D. Budapest Lectr.
 3 Tech. Assts.

Psychiatry

Vermoeten, 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.
 1 Clin. Asst.

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.
 Morrison, A. G. M., B.A. Stell.,
 M.B., Ch.B. Cape T. Lectr.
 Albertyn, C., M.B., Ch.B. Cape
 T. (Orthop.) Asst. 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.
 13 Clin. Assts.

Venereal Diseases

2 Pt.-time Lectrs.

Theology

(a) Dutch Reformed Church

Geyser, A. S., M.A., D.D. (Chris-
 tian Ethics and New Test.
 Exegesis and Theol.) Prof.

Gemser, B., D.Litt., D.Drs. Gron.
 (Old Test. Exegesis and
 Theol.) Prof.

Engelbrecht, S. P., D.D. Utrecht
 (Church Hist.)

Dean of Fac. (a), Prof.

Wolmarans, H. P., M.A., B.D.
 S.A., D.D. Gron. (Philos. of
 Religion) Prof.

Engelbrecht, B. J., D.D. Gron.,
 B.D. (Christian Ethics and
 Hist. of Dogma) Prof.

(b) United Dutch Reformed Church of S.A.

Groenewald, E. P., M.A. Stell.,
 Th.Dr. Amst. (Christian Ethics
 and New Test. Exegesis and
 Theol.) Dean of Fac. (b), Prof.

Kritzinger, J. H., M.A. Stell.,
 Th.Dr. Amst. (Old Test.
 Exegesis and Theol.) Prof.

Keet, D. J., B.A. Oxon., Th.D.
 Amst. (Church History, His-
 tory of Dogma and Canon
 Law) Prof.

du Precz, A. B., M.A., Th.D. Amst.
 Prof.

Veterinary Science

Ambulatory Clinic and Materia Medica

de Lange, M., D.V.Sc. Lectr.

Animal Nutrition

Groenewald, J. W., M.Sc. Ames,
 D.Sc. Agric. Prof.

Biochemistry

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.

<i>Vet. Bacteriology and Infectious Diseases</i>	<i>Vet. Pathology,</i>
Robinson, E. M., D.M.V. Berne, D.V.Sc. S.A., F.R.C.V.S.	Schulz, K. C. A., B.Sc., B.V.Sc. S.A., Dr.Med.Vet. Leipzig Prof.
Prof.	Graf, H., B.Sc., D.V.Sc. S.A. (Chem. Path.) Sr. Lectr.
van Drimmelen, G. C., D.V.Sc. Lectr.	Smit, J. D., B.V.Sc. Lectr.
<i>Vet. Botany, v. Vet. Tox. and Veld Management</i>	<i>Vet. Pharmacology and Vet. Physiology</i>
<i>Vet. Hygiene, Municipal</i>	Clark, R., D.V.Sc. Prof.
Fourie, P. J. J., Dr.Med.Vet. Utrecht Dean of Fac., Prof.	Weiss, K. E., B.V.Sc. Lectr.
Sutton, G. D., B.V.Sc. (also An. Management) Lectr.	<i>Vet. Surgery and Obstetrics</i>
<i>Vet. Medicine</i>	van Rensburg, S. W., B.A. Cape, D.V.Sc. Prof.
Malherbe, W. D., B.V.Sc. Prof.	Starke, N. C., D.V.Sc. Lectr.
<i>Vet. (State) Medicine</i>	<i>Vet. Toxicol. and Veld Manage- ment</i>
Diesel, A. M. Sr. Lectr.	Adelaar, T. F., B.V.Sc. Sr. Lectr.
<i>Vet. Parasitology and Helmin- thology</i>	Morris, J. J., B.Sc. S.A. (Veld Ecol. and Management) Lectr.
..... Prof.	<i>Vet. Tropical Diseases and Proto- zoology</i>
du Toit, R. M., B.V.Sc. S.A. (Parasit.) Sr. Lectr.	Neitz, W. O., D.V.Sc. Prof.
Ortlepp, R. J., M.A. Cape T., D.Sc. Lond. (Helmin.) Lectr.	<i>Zootechnics</i>
	Bisshop, 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 : 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., Dipl.Libr.

TECHNICAL SECTION. Technical Adviser : Mr. 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.

FACULTIES AND DEANS (1952). *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. L. I. Coertze; *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).

LIBRARY. 152,000 vols. Special collections: Africana, Goethe, Roman and Dutch Law.

LABORATORIES, ETC. Applied Maths., Bot., Plant Physiol., Chem., Entom., Geog., Geol., Phys., Psychol., Zool., Agric. Bot., Agric. Chem., Agronomy, Vet. Anat., Sheep and Wool, Domestic Sci., Gen. and Clin. Anat., Histol., Physiol., Biochem., Bacteriol., Clin. Pathol., Pathological Anat., Pharmacol., Medicine, Agric. Eng., Surveying, D. Histol., D. Mechan., Oper. Dent., D. Prosth., D. Surgery. **ASTRONOMICAL OBSERVATORY.** **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.

DEGREES. B.A., B.A. (Social Work), B.Admin., B.Com., B.Sc., B.Mus. (in abeyance)—3 yrs. B.A. in Librarianship—B.A. (Mil.), B.Sc. (Mil.), B.Sc. (Mil.) (Air Force Cadets). Combined course B.A. (Soc. Work) and Dipl. for Nursery Sch. Teachers, and combined course B.A. and Lower Dipl. in Librarianship. 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. ; Ch.M.—not less than 3 yrs. after M.B., Ch.B. M.Ed.—1 yr. after B.Ed. M.Ed.Phys.—1 yr. after B.Ed.Phys. LL.B.—2 yrs. after legal B.A. or 3 yrs. after ordinary B.A. or other degree ; M.D.—not less than 2 yrs. after M.B., Ch.B. B.D.—3 yrs. after B.A. D.Litt., D.Phil. (Arts, Com. and Pub. Admin.), D.Sc., D.Com., D.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. : Librarianship (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. ; (b) Undergrad. : Librarianship (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 (Attorney's 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.

COURSES are provided for all degrees and diplomas of the Univ. in Divinity, Arts, Commerce and Public Administration, Law, Science, Agriculture, Agricultural Engineering, Veterinary Science, Medicine and Dentistry. Course in Librarianship may be taken leading to the B.A. degree in Library Science, or else a 2-yr. course leading to a Diploma in Librarianship. Special courses are available for teachers of Domestic Science. Five-yr. course in Tropical Veterinary Medicine leads to degree of B.V.Sc. Full courses are available in Architecture and Surveying and special provision is made for Bantu Studies.

FEE for full degree or diploma course, £30 to £100 p.a., depending upon degree or diploma curriculum chosen.

LANGUAGE OF INSTRUCTION : Afrikaans.

VACATION COURSES. Short courses 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. Women's Residence (175 students) ; Warden, Mrs. E. C. du Toit. College Hostel for men (72) ; Warden, Dr. T. Buning. Sonop Hostel for men (104) ; Primarius elected annually from students. Voortrekker Hostel for men (140) ; Warden, Prof. B. de Loor. Onderstepoort

Hostel (50) ; Warden, Prof. W. B. Malherbe. Boarding Fees : £90 p.a. except Sonop, which is £85 p.a.

UNIVERSITY MILITARY FORMATION. No. 1 Observation and Sound Range Battery (1 O.R., S.A.A.).

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, articulated clerks, commercial men and teachers. About 850 students are enrolled, practically all for full degree courses : for B.A., Law B.A., LL.B., B.Com., B.Admin., Masters' degrees, Degree and Diploma in Business Management and Administration, Law Certificate, Banker's Certificate, or Diplomas in Bantu Studies and Native Administration.

UNIVERSITY EXTENSION. The faculties of Agric. and Vet. Sc. co-operate with the Union Dept. of Agriculture in connexion with the extension training service organized by it. Public lectures are organized in Pretoria and surrounding districts.

PUBLICATIONS. *Calendar* (Nov.), free ; *bulletins* containing result of research by members of staff.

THE YEAR 1951

SUBSTANTIAL BENEFACTIONS. *Annual Grants* : City Council of Pret., £3350 ; Ned. Herv. of Geref. Kerk, £1568 ; Ned. Herv. Kerk, £1568 ; *Capital Donations* : Med. Library, £2500 ; Poultry Husb. Library, £210 ; Fac. of Med., £220 ; Inst. of Management and Admin., £284 ; Council Chamber, £100.

NEW BUILDINGS. New Facs. of Arts and Divinity bldgs. and Dent. and Oral Hosp. completed in 1950, occupied, also 1st unit of Plant Physiol. Lab. and new wing added to sci. block to house dept. of Dom. Sci.

PRINCIPAL CHANGES IN REGULATIONS. Statistical Methods and Microbiol. approved as subjects for B.Sc. degree. In Fac. of Law 2 new dipl. courses : (a) Diploma Juris for candidates desiring legal appts. in Govt. Service ; (b) Dipl. Procuratoris for candidates wishing to qualify as Attorneys. D.Com. course in Bus. Management and Admin. instituted, and 4-yr. course for Chartered Accountants. Higher Primary Teaching Dipl. course instituted and Dipl. course in Obstet. for Tutor Nurses.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. H. H. Reid, Royal Sch. of Mines, Lond. ; Dr. A. M. Hammacher, Van Gogh Museum, Otterlo, Holland, 3 lectures on art appreciation.

RETIREMENTS. Prof. M. J. Davidtsz (Dom. Sci.) ; Prof. T. J. Hugo (Philos. and Philos. of Educn.) ; Prof. A. Pyper (Pathol. and Bacteriol.) ; Prof. J. C. Faure (Entomol.) ; Mrs. Bernadine M. T. Strelen (French).

RESIGNATIONS. Prof. M. Bokhorst (Hist. of Neths. Culture) ; Prof. A. W. Kieser (Dent.) ; Dr. F. E. Malherbe (Phys. Chem.), apptd. Prof. of Chem., Univ. of O.F.S. ; E. L. Jansen (Procedure and Evidence) ; Z. M. Smit (Physiol.) ; Z. D. van der Merwe (Agric. Econ.) ; Veronica Combrink (Dom. Sci.).

DEATHS. Prof. B. S. Parkin (formerly Hd. of Dept. of Vet. Med.); Prof. P. J. G. de Vos (formerly Hd. of Dept. of Psychiat.); J. C. V. Breytenbach (Registrar).

STUDENTS.

	<i>Part-Time*</i>	<i>Full-Time</i>
Men	1335	1697
Women	141	523
Total	1476	2220

Included in the above are 829 postgraduate students and 804 new admissions.

DEGREES AWARDED. B.Sc. (Agric.), 27; B.Sc. (Agric. Eng.), 3; M.Sc. (Agric.), 1; D.Sc. (Agric.), 2; B.A., 132; B.A. (S.W.), 20; M.A., 17; M.A. (S.W.), 2; D.Phil., 4; B.Com., 34; B.Admin., 2; M.Com., 3; M.Com. (B. & A.), 25; D.Com., 1; B.D. Division A, 6; B.D. Division B, 10; D.D., 2; B.Ed., 12; B.Ed.Phys., 5; M.Ed., 3; LL.B., 7; M.B., Ch.B., 103; M.D., 3; M.D. (Clin.), 1; B.Sc., 53; B.Sc. (Q.S.), 3; B.Arch., 5; B.Sc. (Dom. Sc.), 6; M.Sc., 12; D.Sc., 1; B.V.Sc., 16.

DIPLOMAS AND CERTIFICATES AWARDED. Lower Dip. Library Sc., 7; Dip. Soc. Work, 1; Dip. Theol., 4; H.E.D., 28; Dip. Nursery Sch. Teaching, 4; D.O., 1; D.M.R., 4; Dip. Tutor Nurses, 4; Dip. Radiog., 13; Dip. Dom. Sc., 6; Dip. Q.S., 7; Dip. Arch., 2.

* Of these, 1407 (1276 men and 131 women) are enrolled for full courses and write same exams. as candidates who devote their time exclusively to study.

[Information compiled as at 14/6/52;
Staff list revised on 26/8/52.]

RHODES UNIVERSITY*

Founded 1904 ; incorporated 1951

Postal Address : P.O. Box 94, Grahamstown, C.P.

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, D.Sc. Liv., Ph.D. Camb.,
F.I.P., F.R.S.C.

PRO-VICE-CHANCELLOR AND VICE-PRINCIPAL—J. V. L. RENNIE, M.A.
Cape 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., Dr. de l'Univ. 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

Noel, A. R. A., B.Sc. Lond.

Martin, A. R. H., B.A. Camb.

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.
Schickerling, H. A., M.Sc. Cape T.
Lectr.

Classics

White, K. D., B.A. Liv., M.A.
Camb. Prof.

Whiteley, S., M.A. Oxon.
Sr. Lectr.

Sumner, G. V., B.A. Oxon.
Lectr.

Commerce

Liddell, D., M.A., B.Com. Edin.
Prof.

Smith, H. H., M.Com. S.A.
Sr. Lectr.

Divinity

Davies, Rev. D. H. M., M.A., B.D.
Edin., D.Phil. Oxon., D.D.
S.A. Prof.

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

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. 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.

..... Sr. Lectr.

Hall, A. D., B.A. Oxon., B.A. S.A.
Lectr.

Fine Arts

Todd, C. Prof.

Guiton, Mrs. Natalie M., B.A.
(F.A.) S.A. Sr. Lectr.

Evans, D. L. Lectr.

French

Hérisson, C. D., L. ès L. Toulouse,
M.A. Lafayette, D. en Droit
et en Sc. Econ. Toulouse 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.
Prof.

Southgate, D. G., B.A. Lond.,
D.Phil. Oxon. Sr. Lectr.

Fryer, A. K., B.A. S.A. Lectr.

Ichthyology

Smith, J. L. B., B.A. Cape, M.Sc.
Stell., Ph.D. Camb.

Research Prof.

Law

Sampson, H. F., B.A. Oxon. Prof.

Schwietering, K. F. J., LL.B.
Stell., B.A. S.A. Sr. Lectr.

Bertram, G. T. B., B.A. S.A., B.A.,
LL.B. Camb. Lectr.

4 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.

..... Lectr.

..... Lectr.

4 Practical Teachers.

Nederlands and Afrikaans

Louw, W. E. G., M.A., Litt.Drs.
Amst., Ph.D. Cape T. Prof.

Hendrikz, Phoebe A., M.A. S.A.
Sr. Lectr.

Antonissen, R. J. K. E., Dr.Phil. & Lit. Louvain	Lectr.	Marsh, M. C., B.A. S.A.	Lectr.
<i>Philosophy</i>		<i>Social Science</i>	
Barratt, A. J., M.A. Oxon.	Prof.	Irving, J., M.A. Camb.	Prof.
<i>Physical Education</i>		Stoker, Fredericka M. L., M.A. S.A.	Lectr.
Locke, E. E., B.Sc. S.A.	Sr. Lectr.	Andrzejewski, S., M.Sc. (Econ.) Lond.	Lectr.
Powell, J. T.	Lectr.	White, Mrs. Isobel H. B., M.A. St. And.	Pt.-time Lectr.
van der Walt, Grieta V., B.A. S.A., M.S. Smith	Temp. Lectr.	<i>Zoology and Entomology</i>	
<i>Physics</i>		Omer-Cooper, J., M.A. Camb., M.Sc. Durh., F.L.S.	Prof.
Birks, J. B., B.A. Oxon., Ph.D. Glas., F.I.P.	Prof.	van Hille, J. C., M.Sc., Ph.D. Utrecht	Sr. Lectr.
Watson, S. W., B.A. Cape, M.A., Ph.D. Camb.	Sr. Lectr.	Callan, E. M., B.Sc. Manc., Ph.D. Lond., D.I.C.	Sr. Lectr.
Szendrei, M. E., M.Sc., Ph.D. S.A.	Lectr.	Macnae, W., B.Sc. Glas.	Lectr.
Wright, G. T., B.Sc. Birm.	Lectr.	<i>Leather Industries Research Institute</i>	
<i>Psychology</i>		Shuttleworth, S. G., M.Sc., Ph.D. S.A., F.R.I.C.	Director and Prof.
Wild, E. H., Ph.D. Lond., M.Sc. S.A., F.B.Ps.S.	Prof.		
Williams, W. H., B.A., Dip.Ed. Melb., M.A., Ed.D. Stanford	Sr. Lectr.		

ADMINISTRATIVE AND OTHER STAFF

Accountant: D. F. Blain. Asst. Registrar: R. Martin, O.B.E., M.C.
 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

THE 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 degrees of the Univ. of the Cape of Good Hope until 1916, when it became a Constituent Coll. of the Univ. of S. Africa. In 1949, Parliament passed an Act

incorporating the Coll. as Rhodes University, which came into being on March 10, 1951. From the same date, the S. African Native Coll. was affiliated to the new Univ.

The Univ. now owns an impressive array of buildings erected progressively since 1914 on an excellent site, the nucleus of which was donated to the Coll. by the Govt. All the bldgs., which comprise administrative, academic and residential blocks, are situated within easy reach of one another, and of the Univ. sports fields.

The Leather Industries Research Inst. originated as a Tanning Res. section of the Chem. Dept. and gradually developed, until in 1942 it was able to move into a separate bldg. and became an independent Dept. In 1946, it was formally constituted as a Research Inst. under the control of the C.S.I.R., but it still remained closely associated with the Coll.

CONSTITUTION. The Univ. consists of the Chancellor, the Principal, who is *ex officio* the Vice-Chancellor, the Vice-Principal, who is *ex officio* the Pro-Vice-Chancellor, the Council, the Senate and the Convocation, together with the profs., lectrs., other teachers and the students.

INCOME (1951): £223,279 (Govt. grant, 45 per cent.; hostel fees, 30 per cent.; academic fees, 18 per cent.).

FACULTIES AND DEANS FOR 1951-53. *Arts*, Prof. E. H. Wild; *Commerce*, Prof. D. Liddell; *Divinity*, Prof. D. H. M. Davies; *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). 3 yrs.—Theol., Music (both non-graduate). 4 yrs.—Fine Art (non-graduate).

CERTIFICATE. 3 yrs.—Higher Primary Teachers' (non-graduate).

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., £40 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: £92 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' publi.).

THE YEAR 1951

Rhodes University was formally inaugurated on March 10, 1951, by the Hon. the Minister for Education, Arts and Science (H. J. Viljoen) in the presence of a large number of distinguished visitors representing Universities all over the world. Four Honorary Degrees were awarded to commemorate the occasion.

On Oct. 25, 1951, Dr. B. F. J. Schonland was installed as the first Chancellor of the Univ. and two more Honorary Degrees were awarded.

BENEFACTIONS. Estate late Prof. J. E. Duerden, £1000; estate late Miss C. W. Price, £1000; S.A. Women's Auxiliary Services, £5000; S.A. Jewish Board of Deputies, £4000 (promised). Endowment Appeal Fund, launched in 1949, reached total of £175,000 by end of 1951, and to this the Union Govt. added £143,000.

NEW POSTS. Prof. of Semitic Langs.; Lectrs. in French and Chem.

NEW COURSE. Higher Primary Teachers' Certif.

REGULATIONS. The Univ. adopted the Degree Regulations of the Univ. of S.A., with follg. principal modifications: separate Fac. of Music instituted;

instead of having a separate degree of Hons. Bachelor as well as degree of Bachelor, the Univ. now recognizes only one degree of Bachelor, which may, however, be either ordinary degree or degree with hons.; special arrangements whereby candidates who have not matriculated in a lang. may, by doing additional work, take degree courses in it.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Sir Philip Morris, Vice-Chancellor of Bristol, "The Function of the University in the Modern World"; Sir Arthur Trueman, Chairman of U.G.C. of Gt. Britain; Prof. W. K. Hancock, Dir. of Inst. of Commonwealth Studies, London; Principals of Univs. of Cape T. (Dr. T. B. Davie), Stellenbosch (Dr. R. W. Wilcocks), Witwatersrand (Dr. H. R. Raikes), Natal (Dr. E. G. Malherbe), and the O.F.S. (Dr. H. v. d. M. Scholtz); Dr. H. Dooyeweerd (Free Univ. of Amst.), "Over de Zogenaamde Autonomie der Wetenschap"; Dr. W. G. Moore (Oxon.), "British Education To-day"; Prof. E. A. Walker, Camb., "Dominion Powers and Status."

RETIREMENTS. Prof. R. W. Varder (Phys.); Prof. P. Haworth (Engl.).

RESIGNATIONS. Prof. W. E. Isaac (Bot.), apptd. Prof. at Cape T.; Prof. M. M. Wilson (Soc. Anthropol.), apptd. Prof. at Cape T.; Dr. E. R. Seary (Engl.), apptd. Prof. at Baghdad; H. L. du Plessis (Music); J. M. Reid (Engin.).

HONORARY DEGREES AWARDED. *D.Litt.*—Prof. W. K. Hancock, Dir. of Inst. of Commonwealth Studies, Lond. *LL.D.*—Sir Philip Morris, Vice-Chancellor of Bristol; Sir Arthur Trueman, Chairman of U.G.C. of Gt. Britain; Dr. B. F. J. Schonland, Dir. of Bernard Price Inst. of Geophys. Res., Johannesburg; Dr. H. J. van Eck, Chairman of Industrial Development Corp.; Dr. L. B. Goldschmidt, med. specialist of Cape T.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	7	434
Women	22	294
Total	29	728

Included in the above are 86 postgraduate students and 244 new admissions.

DEGREES AWARDED. B.A., 85; Hons. B.A., 3; M.A., 1; B.A. (F.A.), 9; B.A. (S.S.), 8; B.Com., 22; Hons. B.Com., 1; LL.B., 2; B.Mus., 2; B.Sc., 35; Hons. B.Sc., 11; M.Sc., 1; Ph.D., 1.

DIPLOMAS AWARDED. U.E.D., 46; Music, 1; Personnel Welfare and Management, 1; Soc. Studies, 1; Phys. Educn., 1; Theol., 1.

UNIVERSITY OF SOUTH AFRICA *

Founded 1873

Postal Address : P.O. Box 392, Pretoria, Transvaal.

Telegrams : University, Pretoria.

Telephone : 2-3248, Pretoria.

CHANCELLOR—The Rt. Hon. G. J. MARITZ, Q.C., B.A.

VICE-CHANCELLOR AND CHAIRMAN OF COUNCIL—S. P. E. BOSHOFF,
M.A., Litt.D.

CHAIRMAN OF THE SENATE—Prof. A. J. H. VAN DER WALT, D.Phil. Berl.,
M.A.

PRESIDENT OF CONVOCATION—.....

REGISTRAR—LANGHAM MURRAY, M.A. Oxon.

ASSISTANT REGISTRAR—P. A. TALJAARD, B.A., LL.B.

DIRECTOR OF EXTERNAL STUDIES—Prof. A. J. H. VAN DER WALT,
D.Phil. Berl., M.A.

SECRETARY—B. F. J. VAN RENSBURG, B.Com., B.A.

TEACHING STAFF, DIVISION OF EXTERNAL STUDIES

Accounting : Sr. Lectr., M. H. Roberts, B.Com. Rand. ; Lectr., L. M. du Toit, B.Com. ; *Bantu Langs.* : Sr. Lectr., A. P. Kriel, M.A. Stell. ; Sr. Lectr., J. H. Louw, M.A. Stell. ; *Classics* : Lectr., O. von Weber ; *Commerce* : Sr. Lectr., F. E. Rädcl, 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. B. Strelen (actg.) ; *Geography* : Sr. Lectr., C. B. Smit, M.A. Pret. ; Lectr., R. D. Tromp, M.Sc. Pret. ; *German* : ; *History* : Sr. Lectr., T. van Wyk, M.A. ; *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.* : ; *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., Mrs. L. C. Gerdes, B.A. ; *Public Admin.* : W. A. Kleynhans, M.A. Pret., B.Com. ; *Social Anthropol.* : ; *Sociol.* : Sr. Lectr., J. A. van der Walt, M.A.

ADMINISTRATIVE AND OTHER STAFF

Division of External Studies—Organizer : A. J. Vorster, B.A. Pret.
Librarian : H. Zastrau, B.Sc. Pret. Asst. Librarian : Miss K. E. Cross, B.A. Rand., Libr. Dipl. Cape T.

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

GENERAL INFORMATION

By Act 12 of 1916 of the Legislature of the Union of South Africa the University of the Cape of Good Hope, incorporated by Act of the Cape Legislature in 1873, became and was incorporated in the University of South Africa, with administrative seat at Pretoria.

As from March 1951 the Univ. caters for external students only. The Division of External Studies supplies tuition (in most subjects) by correspondence; but it is not compulsory for students to obtain such tuition. *See also* Introductory Chapter, *supra*.

FACULTIES AND DEANS. *Arts* (including Fine Arts and Music), Prof. S. J. H. Steven; *Commerce and Admin.*, Prof. F. C. van N. Fourie; *Divinity*, Prof. S. Du Toit; *Educn.*, Prof. J. C. Coetzee; *Law*, D. de Villiers; *Sci.*, Prof. D. J. du Plessis; *Social Sci.*, Prof. D. C. S. du Preez.

ADMISSION. *See* Appendix I.

DEGREES. B.D., M.Div., D.D.; B.A., Hons. B.A.; M.A.; B.P.Ed., 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.A., M.Com.; B.Econ., Hons. B.Econ., M.Econ.; B.Sc., Hons. B.Sc., M.Sc., Ph.D. in Sci., D.Sc.; B.Sc. in Hygiene; LL.B., LL.M., LL.D.

COURSES for B.A., B.A. (Soc. Sci.), B.Com., B.Econ., B.Sc.; Honours Degrees—1 yr. after Bachelor; B.Mus., B.A. (Fine Arts)—4 yrs.; B.D. and LL.B.—3 yrs., after graduating in some faculty other than Law. Students must have their curricula approved by the Senate and must pass the exams. 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 exams.

The M.Mus. and M.Div. each cover 2 yrs. after the Bachelor's degree, and the M.A., M.Sc., M.Com., and M.Econ. courses 1 yr. after the Hons. Bachelor degree. A thesis is required for the LL.M. Doctorates (except Ph.D.) are granted for approved theses to Bachelors of at least 5 yrs.' or Masters of at least 4 yrs.' standing (reducible to 4 and 3 respectively in consideration of attendance for one year as a research student at an approved institution). For the Ph.D. degree the periods are 3 yrs. and 2 yrs. The Master's and Doctor's degrees may also be conferred 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. Hiddingsh-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 1951

STUDENTS (External): 4641, including 308 graduates.

DEGREES. B.A., 132; Hons. B.A., 25; M.A., 4; D.Litt., 2; B.Mus., 3; D.Mus., 1; B.Com., 27; B.Econ., 11; Hons. B.Com., 5; Hons. B.Econ., 2; M.Com., 2; B.D., 2; B.Ed., 17; M.Ed., 1; LL.B., 14; B.Sc., 14; Hons. B.Sc., 6; M.Sc., 2; Ph.D., 1; B.A. (S.S.), 18; Hons. B.A. (S.S.), 1.

DIPLOMAS. U.E.D., 16; L.D.B.S., 1.

UNIVERSITY OF STELLENBOSCH *

Founded 1916

Postal and Telegraphic Address : University, Stellenbosch.

Telephone : 45 and 46 Stellenbosch.

CHANCELLOR—D. F. MALAN, Th.D. Utrecht, M.A., M.P.

VICE-CHANCELLOR—K. BREMER, B.A. Cape, M.B., B.S. Lond., M.D. Pret.

PRESIDENT OF CONVOCATION—G. G. CILLIÉ, M.A., Ph.D. Stras., LL.D. Cape T.

PRINCIPAL—Prof. R. W. WILCOCKS, Ph.D. Berl., D.C.L. Oxon., B.A.

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 Ethnology

..... Prof.
Bruwer, J. P. v. S., M.A. Pret.

Sr. Lectr.
Holleman, F. D., LL.D. Leiden

Extraord. Lectr.
Schüler, G. M. K., M.A. Lectr.

Bantu Languages

van Eeden, B. I. C., D.Phil. Prof.
Olivier, N. J. J., M.A., LL.B.

Prof.

Botany

..... Prof.
Jordaan, P. G., D.Sc. Sr. Lectr.

de Vos, Miriam P., D.Sc. Lectr.
Smith, J. G., M.Sc. Jr. Lectr.

Chemistry

Professors

Rohwer, E. F. C. H., M.Sc. S.A.,
Dr. rer. nat. Frei.

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. (Bioch.).

Lecturers

Stegmann, G. F., B.Sc. S.A., M.Sc.
Malan, H. P., M.Sc., D.Ed.

van der Merwe, P.

Temp. Jr. Lectr.

Classics

Professors

van Rensburg, J. P. J., M.A.
Lond., D.Litt.

..... (Greek)

Smuts, F., Litt.D. Utrecht, M.A.

Baumbach, Lydia, M.A.

Temp. Jr. Lectr.

Conradie, P. J., B.A.

Temp. Jr. Lectr.

Commerce

Professors

Schumann, C. G. W., Comm.Dr.
Rotterdam, B.Sc.

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Pretorius, S. J., Ph.D. Lond., M.Sc.

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.

Coetzee, Mrs. Mabel, B.Comm.

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. Sr. Lectr.

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., D.Ed., D.Phil.
(Philos. of E.).

Du Toit, P. S., D.Phil. (Hist. of
E.).

Taute, B., B.A. (Method).

Meiring, J. G., Ph.D. Leipzig,
B.Sc., B.Ed. (Ped. Psych.).

Senior Lecturers

Donald, M. M., M.A.

Heese, J. de V., B.A., D.Ed.

Uys, Anna M., M.A., B.Ed. Cape T.

Badenhorst, J. L., B.A.

Stockenström, E., B.A. Cape T.,
D.Phil.

Lecturers

Visser, P. G., B.A. S.A., M.Ed.

Van Heerden, E., M.A.

Smit, J. N., B.A.

Du Pisani, Esther P. (Needlework).

Baard, Janetta J. (Needlework).

Temporary Jr. Lecturers

Pickard, Mrs. Dorothy C., M.A.

Cape T.

Mocke, Mrs. Deborah, B.A.

Engineering

Professors

Truter, R., B.A., B.Sc.Eng. Cape
T.

Straszacker, R. L., M.Sc.Eng.

Rand., Dr.Eng. Charlotten-
burg, Dip.Eng.

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.

Barnard, A. P., B.Sc.Eng. Cape
T.

Coetsee, A., B.Sc.Eng. Cape T.

Lecturers

Toerien, L. I., B.Sc., B.Sc.Eng.

Uys, J. F., B.Sc.Eng. Rand.

Sauermann, J. D., B.Sc.Eng. Cape
T.

.....

English

Professors

Hoooper, 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

Friedlaender, E., Ph.D. Stras.
 Prof.
 Hoge, J., Ph.D. Stras. Sr. Lectr.

History

Thom, H. B., D.Phil. Prof.
 Wiid, J. A., Ph.D. Mün., M.A.
 (Hist. of S. Africa)

Jan Marais Prof.

van der Merwe, P. J., D.Litt.
 Leiden, M.A. Sr. Lectr.
 Kotze, D. J., M.A. Temp. Lectr.

Law

Professors

Malherbe, W. M. R., LL.D. Leid.
 de Wet, J. C., LL.D. Stell. and
 Leiden, 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. Leiden.
 Holleman, F. D., LL.D. Leiden.

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., B.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 Train-
 ing).

Behrens, R. H., B.A., B.Mus.

de Villiers, Gertruida E.

Joubert, H. J., B.Mus.

Lubbe, Elizabeth M. Jr. Lectr.

*Philosophy, Moral and Meta-
 physical*

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, B.Ed.Ph.

Kelder, J. C.

van der Merwe, J. J. R., B.Ed.Ph.
 Nel, Hester I., M.Sc. Wellesley
 Coll., B.Ed.Ph.

Ross, Miss A. K., B.A., M.Sc.
 Wellesley Coll.

Physics

de Vos, P. J. G., D.Sc. Prof.
 Cilliers, A. C., Ph.D. Frankfurt,
 M.Sc. Prof.

Scheffler, T. B., D.Sc. Sr. Lectr.
 Harvey, S. C., B.A. Cape Lectr.
 Zeeman, P. B., D.Sc.

Physiology

Brink, H. E., D.Sc. Prof.

..... Sr. Lectr.
 Engelbrecht, F. M., M.Sc. Lectr.
 Esterhuizen, A. C., M.Sc. Lectr.

Psychology

Professors
 Wilcocks, R. W., Ph.D. Berl.,
 D.C.L. Oxon., B.A.
 Janse van Rensburg, J. A., D.Phil.
 van der Merwe, A. 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, M. A., B.D. Pret. Lectr.

Social Work and Sociology

Pauw, S., M.A., D.Phil. Pret.
 Prof.
 Theron, Miss E., 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. Gött.,
 M.A.
 Verhoef, P. A., M.A., M.Th.,
 Th.Dr. Amst.
 Keet, B. B., Th.Dr. Amst., M.A.
 Müller, J. J., Th.Dr. Amst.,
 D.D. S.A., M.A.
 Potgieter, F. J. M., Ph.D. Cape T.,
 Th.Dr. Amst., M.A.

Zoology

Professors

de Villiers, C. G. S., Ph.D. Zür.,
 M.A.
 du Toit, C. A., Ph.D. Cape T.,
 M.Sc.

Senior Lecturers

Grobelaar, 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

van der Merwe, W. H., Ph.D.
 Minn., B.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

..... Sr. Lectr. and Hd. of
 Dept.

Entomology

Potgieter, J. T., Ph.D. Ohio, M.Sc.
 Prof.
 Joubert, C. J., M.Sc.Agric.
 Sr. Lectr.

Field Husbandry

Marais, J. S., Ph.D. Ill., B.A.
 Prof.
 Sim, J. T. R., B.Sc. Ill., M.Sc. S.A.,
 D.Sc.Agric. Prof.
 Hofmeyr, J. H., D.Sc.Agric.
 Sr. Lectr.

Forestry

Wicht, C. L., B.A. Oxon., Dr.Ing.
 Dresden, B.Sc., F.R.S.S.Af.
 Merensky Prof.
 Hartwig, G. L. F., Dr. Oec. Publ.
 Munich, B.Sc.For.
 Transvaal Chamber of
 Mines Prof.
 De Villiers, P. C. le R., M.Sc.For.
 Lectr.
 Transvaal Chamber of
 Mines Lectr.

Williams, C. R. F., M.A., Dipl.For. Camb. Extraord. Temp. Lectr.	<i>Plant Pathology</i> du Plessis, S. J., D.Sc.Agric. Prof. du Toit, J. J., M.Sc.Agric. Lectr.
<i>Genetics</i> Professors Neethling, J. H., M.Sc. Corn. Laubscher, F. X., M.Sc.Agric.	<i>Pomology</i> 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.
<i>Home Economics</i> Senior Lecturers Louw, Gertruida J., B.Sc. (Home Ec.). Jooste, Martha E., M.Sc. (Home Ec.), Ph.D. Louw, Louisa J., M.A. Col., B.Sc. (Dom.Sc.) Pret. Lecturers du Pisani, Esther P. Groenewald, Isabella J., B.Ed. Home Ec. Baard, Janette J. Van Niekerk, E. G., B.Ed. Home Ec. Jr. Lectr.	<i>Poultry Husbandry</i> Liebenberg, C. R., M.Sc.Agric. Sr. Lectr. <i>Veterinary Science</i> de Villiers, O. T., D.V.Sc. S.A. Lectr. and Hd. of Dept. <i>Viticulture</i> 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., Ethnol., 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.

FACULTIES AND DEANS. *Agric. and For.*, Prof. W. H. van der Merwe; *Arts and Philos.* (including depts. of Bantu Studies, Ethnol. and Soc. Studies), Prof. J. F. Kirsten; *Commerce*, Prof. C. G. W. Schumann; *Education*, Prof. J. G. Meiring; *Engin.*, Prof. A. Heydorn; *Law*, Prof. W. M. R. Malherbe; *Sci.* (including dept. of Dom. Sci), Prof. J. M. Joubert; *Theol.*, Prof. G. B. A. Gerdener.

LIBRARIES. Christian Marais and Carnegie. 121,000 vols. and 1100 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.

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 M. degree—D.Phil., D.Litt., D.Sc., D.Ed.Ph., D.Sc. in Agric., D.Sc. in Forestry, D.Comm., D.Sc.Eng.; 2 yrs. after B.D.—D.D.; 2 yrs. after LL.B.—LL.D.; 1 yr. after M.Ed. or 2 yrs. after B.Ed.—D.Ed. Courses are also provided for the following diplomas: the Secondary Teachers' and Higher Primary Certificates; also for Certificates in Comm., Home Econ., Social Work, Teaching of Special Classes, Teaching of Music, Teaching of Speech Training and Dramatic Art.

FEES. Registration, £3 : 17 : 6 p.a. (incl. sports and fees payable to Students' Representative Council). Composite (including tuition, examn., laboratory, library and, in final year, graduation fees) average per semester: for Master's degree, £20; for Bachelor's degree, £24; for Doctorate, £12.

PHYSICAL TRAINING. Although phys. trg. is not compulsory the majority of the students participate, *i.e.* in rugby, cricket, tennis, baseball, net-ball, 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.

RECREATION AND FACILITIES FOR EX-VOLUNTEER STUDENTS (EX-SERVICE MEN). The Univ. caters extensively for the needs of ex-Service students. Special classes and mid-term courses (free) and extra and individual coaching are given. Facilities for recreation, sport, culture and relaxation are provided, and there is a special hostel.

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.; Ebdon, £300 p.a. for 2 yrs.; Conservatorium of Music, £100 for 1 yr.; Croll Memorial, Donald Currie Memorial, George Grey Memorial, Porter, Queen Victoria and Union, each £300 p.a. for 2 yrs.; Maynard, £90 p.a. for 2 yrs.

RESIDENCE. For Men: John Murray-Huis, accommodates 350; Wilgenhof, 104; Helderberg, 82; Huis Marais and Huis Visser, 245. For Women: Huis de Villiers, 127; Huis ten Bosch, 116; Huis van Niekerk, 100; Harmonie, 67; Monica, 75; Crozierhuis, 26; Greylock, 24; Macdonaldhuis, 29. Boarding and tuition fees: approx. £160 p.a. per student.

PUBLICATIONS. *Calendar* (Annual, Pt. I, Nov., Pt. II, May); *The Stellenbosch Student* (by Students' Repr. Council); *Annals of the University of Stellenbosch* (by Senate).

THE YEAR 1951

NEW BUILDINGS. Under construction: new hostel for women students; addl. bldg. for Fac. of Agric.; new bldg. for Civ. Engin.

NEW DEPARTMENTS AND POSTS. Sr. lectr. in Philos.; Sr. lectr. in Commerce.

RESIGNATIONS. Prof. L. M. v. d. L. Fisser (Music); A. M. Hugo (Classics); Dr. A. C. Vos (Dom. Sci.); Miss R. Lombard (Dom. Sci.); Dr. P. D. Henning (Agron.); Dr. B. J. Smit (Dairy Husb.); L. K. E. Roediger (Mech. Engin.).

DEATH. Prof. J. H. W. T. Reimers (Animal Husb.).

HONORARY DEGREES. *D.Ed.*—Dr. W. de V. Malan; *D.Sc. Eng.*—M. C. v. Schoor.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	1514
Women	..	718
Total	..	2232

DEGREES. B.Sc. (Agric.), 42; B.Sc. (For.), 9; M.Sc. (Agric.), 3; M.Sc. (For.), 2; B.A., 137; M.A., 24; B.A. (Soc. Sc.), 42; M.A. (Soc. Sc.), 1; D.Phil., 4; B.Mus., 9; B.Comm., 34; D.Comm., 1; B.D., 1; B.Ed.Ph., 1;

M.Ed., 10 ; B.Sc. (Eng.), 35 ; M.Sc. (Eng.), 1 ; LL.B., 13 ; B.Sc., 44 ; B.Ed. (Dom. Sc.), 7 ; B.Sc. (Dom. Sc.), 7 ; M.Sc., 14 ; D.Sc., 4.

DIPLOMAS. Secondary Teachers' D., 69 ; Higher Primary Teachers' D., 22 ; D. for Teachers of Sp. Classes, 1 ; D. in Comm., 3 ; D. in Soc. Sci., 4 ; D. in Dom. Sci., 11 ; D. in Dom. Sci. for Primary Teachers, 2 ; D. in Dom. Sci. for Teachers, 1 ; D. in Pub. Hyg., 3 ; D. for Secondary Teachers in Comm., 1 ; Teachers' D. in Mus., 14 ; Primary Teachers' Certif. (Sp.) in Music, 4 ; Performers' D. in Music, 1 ; Teachers' D. in Speech Trg. and Dramatic Art (Afrikaans), 2 ; Teachers' D. in Speech Trg. and Dramatic Art (Engl.), 1 ; Primary Teachers' Certif. (Sp.) in Speech Trg. and Dramatic Art (Afrikaans), 4 ; Primary Teachers' Certif. (Sp.) in Speech Trg. and Dramatic Art (Engl.), 2 ; Sp. Teachers' Certif. in Speech Trg. and Dramatic Art (Afrikaans), 2 ; Sp. Teachers' Certif. in Speech Trg. and Dramatic Art (Engl.), 2 ; Final Certif. in Speech Trg. (Afrikaans), 6 ; Final Certif. in Speech Trg. (Engl.), 5.

UNIVERSITY OF THE WITWATERSRAND * JOHANNESBURG

Founded 1921

Postal Address : Milner Park, Johannesburg, Transvaal.

Telegrams : University, Johannesburg.

Telephone : 44-3781.

CHANCELLOR—HON. R. FEETHAM, C.M.G., M.A., LL.D.

VICE-CHANCELLOR AND PRINCIPAL—H. R. RAIKES, A.F.C., M.A. Oxon., LL.D.

CHAIRMAN OF COUNCIL—P. M. ANDERSON, D.Sc. (Eng.).

PRESIDENT OF CONVOCATION—W. E. MARSH, B.Com.

REGISTRAR—I. GLYN THOMAS, M.A. Oxon.

ACCOUNTANT—D. A. DODDS.

LIBRARIAN—P. FREER, B.A. Birm., F.L.A.

TEACHING STAFF

Actuarial Science, v. Maths.

Tobias, P., M.Sc., M.B., B.Ch.

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.

Cohen, S., M.B., B.Ch. Lectr.

Arnold, M., M.B., B.Ch., F.R.C.S.
Ed. Lectr.

Lectr.

Toerien, M. J., M.Sc. Stell. Lectr.

Rosenberg, E. E., M.Sc., M.B.,
B.Ch. Lectr.

Grieves, J. K., M.B., B.Ch. 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 Sur-
veying*

Fassler, J., B.Arch. Prof.

Howie, W. D., B.Arch. Sr. Lectr.

Lecturers

Shunn, J., B.Arch.

Herbert, G., B.Arch.

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

Tomaselli, U., B.Arch.
Morgenstem, J., B.Arch., Dip.T.P.

Part-time Lecturers

Castleton, J., F.R.I.C.S.
Milford, R. B., B.Sc. (Q.S.).
Pinfold, H. C. Temp. Lectr.

Bantu Studies

Doke, C. M., M.A. S.A., Diploma
Compar. Bantu Lond., D.Litt.
Prof.

Jeffreys, M. D. W., M.A. Oxon.,
Ph.D. Lond. (Social Anthropol.)
Sr. Lectr.

Lewin, J., B.A., LL.B. Cape T.
(Native Law and Admin.)
Sr. Lectr.

Cole, D. T., B.A. Lectr.
Longmore, Laura, M.A. Cape T.
Lectr.

Rheinallt-Jones, J. D., M.A. (Race
Relations) Hon. Lectr.

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.

Lecturers

Naude, C. P. T., B.A. Oxon., M.A.
Lagouros, A., B.A. Constantinople.
Thorpe, A., B.A. Oxon., M.A.
Tut. Asst.

Commerce and Applied Economics

Richards, C. S., M.Com. Durh.,
D.Sc. Prof.
Wimble, B. J. S., F.S.A.A. (Ac-
counting) Prof.
Laight, J. C., M.Com. S.A., F.C.I.S.
Sr. Lectr.
Cairns, T., B.Com. Cape T. Lectr.
Lomas, P. K., B.Com. Durh.
Lectr.

van Waasdyk, T., Econ. Doctr.
Rotterdam Research Asst.
6 Pt.-time Lectrs., 21 Tutors.

Dentistry, v. infra

Economics and Econ. Hist.

Lachmann, L. M., M.Sc. (Econ.)
Lond., Dr. rer. Pol. Berl.
Prof.

Samuels, L. H., B.Com. Sr. Lectr.
Welsh, Anne, B.A. Oxon. Lectr.
Suzman, Helen, B.Com.
Pt.-time Lectr.

Education

Lighton, R. E., M.A. Pret.
Hon. Prof.
MacMillan, R. G., M.A., B.Sc. S.A.
Pt.-time Lectr.
Belir, 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.
Maillard, Denyse, B.A. Ohio, Ph.D.
Paris Lectr.
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.
 Biljon, W. J. van, 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

Weigert, H., M.Sc. Stell.
 Tannenbaum, B., M.A. Col., B.Sc.
 Berg-Sonne, N., M.Sc. Copenhagen.
 Harington, Catherine F., M.Sc.

Temporary Lecturers

Parker, J. M., B.A. Belf., Dip. Act. Maths.
 Clarke, M. G., B.A.
 Isaacs, G., M.Sc. Cape T., Ph.D. Lond.

Mathematics, Applied

..... Prof.
 Bleksley, A. E. H., M.Sc. Stell., D.Sc. Sr. Lectr.
 Oliver, H. O., M.Sc. Stell. Sr. Lectr.
 Kuperman, I. B. Z., M.Sc. Cape T. Lectr.

*Medicine, v. infra**Metallurgy, v. Engineering, infra**Mining Engineering and Surveying, v. Engineering, infra**Music and History of Music*

..... Prof.
 Paff, W. P., Ph.D. Sr. Lectr.
 11 Instrs. (Pt.-time).

Philosophy

..... Prof.

Lecturers

Harris, E. E., M.A. S.A., B.Litt. Oxon., D.Litt.
 Livingstone, D. S., M.A. Durh.
 Yourgrau, W., Dr. Phil. Berl. Temp. Lectr.

Phonetics and Logopedics

Pienaar, P. de V., Ph.D. Hamburg, M.A. Prof.
 Clemons, A. B., LL.B. Sask., M.A. Iowa Sr. Lectr.
 Breckwoldt, G. H., Ph.D. Hamburg Lectr.

Physics

..... 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.

Lecturers

Logie, H. J., D.Sc.
 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.

Lecturers

Van Zyl, A., M.Sc. Stell.
 Levy, P., Ph.D. Oxon., M.Sc.
 Leibowitz, S., B.Sc., M.B., B.Ch.
 Evans, Margaret, M.B., B.Ch.
 Glyn Thomas, Mary, B.Sc. Lond. Pt.-time Lectr.
 3 Lab. Technicians.

Psychology

MacCrone, I. D., M.A. Cape T. and Oxon., D.Phil. Prof.
 Warffemius, C. A. L., B.Sc. Lectr.
 Lejeune, Yvonne, B.A. Pt.-time Lectr.

Social Studies

Wagner, O. J. M., M.A. Cape T., D.Phil. Stell. Prof.
 Badenhorst, L. T., M.A. Stell. Sr. Lectr.
 Muller, Ceciël, 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.

Kniep, Margaret, M.Sc. S.A. 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

Băan, N., B.D.S.
Lectr. and Clin. Lectr.

Public D.

Laing, Jean, L.D.S., D.P.D. St.
And. Hon. Lectr.

Full-time Clin. Lectrs.

Cohen, B., M.S.D. Northwestern,
B.D.S.

Dodds, A. E., B.Sc., B.Ed. S.A.,
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

Sutton, W. G., B.A., B.Sc. (Eng.)
Cape T. Prof.
Ockleston, A. J., B.E. N.Z.,
Ph.D. Brist., D.Sc. (Eng.)
Reader.
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.
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.
Leyman, R. E., B.Sc. (Met.) Wales
Sr. Lectr.
Siff, A., M.A. Cape T. Lectr.
le Roux, D. B., B.Sc. (Eng.) Lectr.
1 Sr. Lab. Tech.

Mining Engineering and Surveying

Jeppe, C. W. B., M.Sc. (Eng.),
D.I.C. De Beers Prof.
Creewell, P. A. Sr. Asst.
Senior Lecturers
Edwards, E. P., B.Sc. Lond.
(Mining E.).
Edwards, T., B.Sc. Lond.
Freislich, J. G., B.Sc. (Eng.)
(Surveying).
Lauf, G. B., D.Sc. (Eng.) (Sur-
veying).
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.

Fisher-Jeffes, D. L., M.B., B.Ch.
 Cape T., D.P.H., D.A.
 Siff, I., M.B., B.Ch. Cape T.
 Vetten, Kathleen B., M.B., B.Ch.,
 D.A.

Assistant Anæsthetists

Faberlan, H. A., M.B., B.Ch.
 Kramer, M. S., M.B., B.Ch.
 Silberman, S., M.B., B.Ch.
 Wayburne, Hilde, M.B., B.Ch.
 Widgerow, C., M.B., B.Ch., D.A.
 10 Anæsthetic Registrars

Bacteriology and Parasitology

Becker, B. J. P., M.D., B.Ch.,
 D.P.H., D.T.M. & H.
 Actg. Hd.

Senior Lecturers

Chatgidakis, C. B., M.B., B.Ch.,
 D.P.H., D.T.M.
 Wys, C. J., M.B., Ch.B. Cape T.,
 D.Clin. Path.

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).
 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.
 Kahn, E., 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.C. Melb.,
 F.R.C.S.

Sr. Surgeon (Pt.-time).

Lannon, J., M.B., B.Ch., F.R.C.S.
 Asst. Surgeon (Pt.-time).

Kark, W., M.B., B.Ch., F.R.C.S.
 Ed.

First Surgical Asst. (Pt.-
 time).

Walker, D. H., M.B., B.Ch.,
 F.R.F.P.S.Glas.

Surgical Registrar.

Diseases of the Skin

Gluckman, I.

Chief Dermatologist (Pt.-
 time).

Rose, M. Dermatologist.
 Evans, H.

Asst. Dermatologist (Pt.-
 time).

First Asst. Dermatologists (Pt.-
 time)

Loewenthal, L. J. A., M.D., Ch.B.,
 D.T.M., D.T.H. Liv.

Robins, A.

3 Second Asst. Dermatologists
 (Pt.-time).

Dispensary Practice

de Kock, J. H., 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 Ophthalmologist Assts.
(Pt.-time), 3 Ophthalmic Reg-
istrars.

Forensic Medicine

Mackintosh, R. H. Hon. Prof.
Friedman, J., M.B., B.Ch., D.P.H.
Lectr.

Hospital Administration and Conduct

Mills, K. F. T., M.B., B.Chir.
Camb., D.P.H. Lectr.

Infectious Diseases, Acute

Bayer, P., M.D., Ch.B. Aberd.
Sr. Lectr. and Clin.
Lectr.

Medical Practice, Conduct of

Meiring, J. de Vos, M.B., Ch.B.
Edin. Lectr.

Medicine

Elliott, G. A., O.B.E., M.D. Cape
T., F.R.C.P.
Prof. and Chief Physi-
cian.

Gear, J. H., B.Sc., M.B., B.Ch.,
D.T.M. & H.

Sr. Professional Asst.

Sr. Physicians (Pt.-time)
Baynash, J. B., M.D., Ch.B.
Edin.

Heimann, H. L., M.D., F.R.C.P.
Suzman, M. M., M.D. Durh.

Sr. Physicians
Gilroy, J. C., M.D., Ch.B. Edin.
Grek, I. J., M.D., B.Ch.

Physicians (Tutorial)
Lopis, S., M.D., B.Ch.
van Lingen, B., M.D., B.Ch.

Physicians
Gillanders, A. D., M.B., Ch.B.
Horwitz, L. H., M.B., B.Ch.
Popper, Evelyn N., M.D.
Wilson, V. H., M.D. Camb.
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.

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. Regis-
trars (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. (Tutor-
ial)

Dreyer, Tilly, B.Sc., M.B., B.Ch.,
D.Phys. Med.

First Asst. in Physical Med.
(Pt.-time)

Klass, N. S., M.B., B.Ch. Dub.,
D.Phys. Med.

Neurology

Geerling, R., Arts Holland, M.D.
Amst. Chief Neurologist.

Sr. Neurologists (Pt.-time)

Cox, Alice, M.D., Ch.B. Glas.

Katz, S. M., M.D., Ch.B. Liv.

Neurologist

Halpen, H. E. van, 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., Chem-

istry, Clin. Pathol., Educn., Ob-
stet. 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 Obstet-
rician and Gynæ-
cologist.

Sr. Obstetricians and Gynæ-
cologists (Pt.-time)

Boyd, A., F.R.C.S.Ed.

Krige, C. F., M.A., B.M., B.Ch.
Oxon., F.R.C.S.Ed.

Schabort, J. W., M.D., B.S. Lond.

Obstetrician and Gynæcologist
(Tutorial)

Daubenton, F., B.Sc., M.B., B.Ch.

Asst. Obstetricians and Gynæ-
cologists (Pt.-time)

Broido, A.

Peltz, P., F.R.C.S.Ed.

Asst. Obstetrician and Gynæ-
cologist

Shippel, S., M.B., B.Ch.

First Obstetrical and Gynæcol-
ogical 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 Gynæ-
cological Assts. (Pt.-time).

Registrar in Obstet. and Gynæ-
col. (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.

Barber, Kathleen Lectr.

Grieves, S. S. Craft Instr.

Orthopædics

Edelstein, J. M., M.B., Ch.B.

Edin., M.Ch. Orth. Liv.,

F.R.C.S.Ed.

Chief Orthopædic Sur-
geon (Pt.-time).*Orthopædic Surgeons*

Craig, J. J., M.B., B.Ch.

Morris, C., M.B., Ch.B. Cape T.

Asst. Orthopædic Surgeons (Pt.-
time)

du Toit, G. T., F.R.C.S.

Moller, C. T., M.B., B.Ch.,

F.R.C.S. Eng. and Ed.

Asst. Orthopædic Surgeon

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. (Nutri-
tion).*Psychiatry and Mental Hygiene*

..... Pt.-time Prof.

Pienaar, B. P., M.B., B.Ch. Dub.

Clin. Lectr.

du Toit, Felix, M.B., Ch.B. Edin.

Hon. Clin. Lectr.

Katz, S. M., M.D., Ch.B. Liv.

Hon. Clin. Lectr.

Cox, Alice, M.B.E., M.D., Ch.B.

Edin. Hon. Clin. Lectr.

Freed, L. F., M.B., Ch.B. St. And.,

D.Phil. Pret., D.P.H., D.T.M.

& H. Lectr.

Gillis, K., M.B., Ch.B. Edin.

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.

Zinober, M., D.M.R. Cape T.

Asst. Radiologists

Cohen, L., M.B., B.Ch.
Strasburg, I., M.B., B.Ch. Dub.,
D.M.R. Cape T.

Surgery

Underwood, W. E., O.B.E., M.A.,
M.B., B.Chir. Camb., F.R.C.S.
Prof. and Chief Surgeon.
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.

Surgeon (Tutorial)

Thompson, D. H., M.B., Ch.B.
Birm., F.R.C.S.

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., B.Ch. St. And.,
F.R.C.S.Ed.
Skapinker, S., M.B., B.Ch.,
F.R.C.S.Ed.

Asst. Surgeon (Tutorial)

Frylinck, J. R., M.B., Ch.M.
Cape T., F.R.C.S. Eng. and
Ed.

Asst. Surgeons (Pt.-time)

Dreosti, A. E., M.B., Ch.B. Cape T.,
F.R.C.S.
Trubshaw, W. H. D., F.R.C.S.
Wolfowitz, J., M.B., B.Ch.,
F.R.C.S.Ed.

Asst. Surgeons

Hansen, O., M.B., B.Ch., F.R.C.S.
Ed.
Tanne, D., M.B., B.Ch.

First Surgical Assts. (Pt.-time)

Fleming, R. J., M.B., B.Ch.,
F.R.C.S.Ed.
Pencharz, N., M.B., Ch.B. Edin.,
F.R.C.S.Ed.
Trehair, E. B., M.B., B.Ch.,
F.R.C.S.

3 Second Surgical Assts. (Pt.-time).

Surgical Registrars (Tutorial)

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

Allen, J. C., M.B., B.Ch.

Thoracic Surgery

Fatti, L., M.B., B.S. Lond.,
F.R.C.S.

Sr. Thoracic Surgeon (Pt.-time).

Adler, D. I., M.B., Ch.B. Cape T.,
F.R.C.S.Ed.
Asst. Thoracic Surgeon
(Pt.-time).

Tropical Medicine

Gear, J. H. S., B.Sc., M.B., B.Ch.,
D.P.H., D.T.M. & H., Dipl.
Bact. Lond. Sr. Lectr.

Urology

Brayshaw, H. 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 : P. Freer, B.A. Birm., F.L.A. ; 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. 10 Assts.

GENERAL INFORMATION

For early history, see *Yearbook* for 1929, p. 518. In 1921 University College, Johannesburg, was reincorporated as the University of the Witwatersrand, Johannesburg, with effect from March 1, 1922. This development was made possible partly by support from the public, including contributions by the Chamber of Mines (£50,000), Standard Bank of S.A., Nat. Bank of S.A., Central Mining and Investment Corporation, and De Beers 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 and lay-out up to Dec. 31, 1950, amounted to £1,545,000. **LIBRARIES** : Central, and several departmental. **MUSEUMS** : Several departmental.

ASSOCIATED INSTITUTIONS. There are several hospitals as well as the South African Institute for Medical Research in which students of Med. carry out a part of their curriculum.

FACULTIES AND DEANS. *Architecture*, Prof. J. Fassler ; *Arts*, Prof. J. M. Hyslop ; *Commerce*, Prof. C. S. Richards ; *Dentistry*, Prof. J. C. M. Shaw ;

Engineering, Prof. I. Taverner; *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.; Anaesth., 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, £350 for 1 yr.; Adolph Wagner (Engin.), £170 tenable in S. Africa or overseas; University Council, 2 of £375 for 2 yrs.; Witwatersrand Council of Education, 2 of £375 for 2 yrs. and 1 of £250 p.a. for 1 yr.; Ainsworth (Modern Hist.), minimum £250 p.a. for 2 yrs. plus £50 for books, awarded every 3rd yr.; The Anne Cleaver Memorial Fund for Medical Research work; H. B. Webb, £300 for 2 yrs.; Union Government, 2 of £300 p.a. for 2 yrs.; The Mellor, £300 p.a. for 1 yr. or more (Research in Biochem. or in Biophysics); Het Studiefonds voor Zuid-Afrikaanse Studenten, 2 of £150 p.a.; The Automobile Association of South Africa, £250 p.a.; Sir Herbert Baker, £300; Rhodes, £500 p.a.; Elsie Ballot, £400 p.a.; Royal Commission for the Exhibition of 1851, £350 p.a. for 2 yrs.; Cecil John Adams Memorial Trust for Research Scholarships for Medical Graduates (Endowment of £25,000); Red Cross Caledonian Market post-graduate scholarship for African (Bantu) graduates in Medicine (Endowment of £5000). African Explosives and Chemical Industries Ltd., £200 p.a. for 2 yrs.; Chamber of Mines, £500 for 1 yr.; Victor Kark, for research in Anat. (endowment of £1000); James McBride Grant, for res. in Commerce and Appl. Econ. (endowment of £5000); Melanie Pollak, for research or advanced study in Music, £240 p.a. for 1 yr. or more; Rusterholz (Rotary Club of Johannesburg), £50 for 1 yr.; Brush Travelling, in Engin., £260 p.a. for 2 yrs.; G. A. Denny, in Social Relations, £250 p.a. for 2 yrs.; F.B.I., in Engin., £650

* After first degree.

for 2 yrs. ; Toni Saphra, for women, £250 p.a. for 1 yr. or more ; William Smith Thomas Memorial in Engin. (endowment of £2000).

RESIDENCE. College House and Dalrymple House, Milner Park ; 150 men students ; fee : £100 p.a. University Residence, Cottesloe, Auckland Park ; 350 men students ; fee : £96 p.a. Isabel Dalrymple House, Milner Park ; 120 women students ; fee : £100 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 1951

BENEFACTIONS. Mr. and Mrs. George Reid, £5000 to general endowment fund ; bequest of late Mrs. E. A. Bleloch, £10,000 ; bequest of late J. Marks, about £30,000 ; Govt. of Italy contd. to finance whole cost of Chair of Italian ; annual grants and donations, £59,766 (£17,414 for general purposes, £21,808 for bursaries and scholps. and £20,544 for other specific purposes) ; res. grants to members of staff by S.A. Council for Scientific and Industrial Research, £10,969, and by S.A. National Council for Social Research, £1923.

CHANGES IN REGULATIONS. General regulations for degrees and for admission to candidature for degrees of Master and Doctor (other than Ph.D.) amended in minor detail.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. R. V. Bird, Mich. ; Dr. D. Guthrie, Edin. ; Prof. H. Dooyeweerd, Amst. ; Prof. W. K. Hancock, Lond. ; Prof. G. W. Keeton, Lond. ; Dr. W. G. Moore, Oxon. ; Sir Philip Morris, Brist. ; Prof. H. H. Read, Lond.

RETIREMENTS. Prof. H. Le May (Appl. Maths.) ; Prof. J. Y. T. Greig (Engl.), proceeding to Otago Univ.

DEATHS. Prof. C. J. van der Horst (Zool.) ; M. Brown (Chief Clerk).

RESIGNATIONS. R. Arnold (Chem.), apptd. to Univ. of Cape T. ; Dr. A. J. Warner (Engl.), apptd. to Makerere Coll. ; Dr. L. H. Wells (Reader in Human Palæontol.), apptd. to Univ. of Edin.

HONORARY DEGREES. *LL.D.*—Helen A. Keller, writer on welfare and educn. of physically handicapped. *D.Sc.*—Prof. A. Quintanilha, Portuguese botanist, dir. of Cotton Res. Inst., Portuguese E. Africa.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	960	2628
Women	52	728
Total	1012	3356

Included in the above are 382 postgraduate students and 1418 new admissions.

DEGREES AWARDED. *Archit.*: B.Arch., 32; B.Sc. (Quantity Surveying), 9. *Arts*: D.Litt., 1; Ph.D., 1; M.A., 4; B.A. (Hons.), 18; B.A., 140; M.Ed., 1; B.Mus., 7; B.A. (Fine Arts), 1; B.A. (Logopedics), 5; B.A. (Soc. Studies), 10. *Comm.*: B.Com., 45. *Dent.*: B.D.S., 57. *Engin.*: D.Sc. (Eng.), 2; Ph.D., 3; M.Sc. (Eng.), 3; B.Sc. (Eng.), 201. *Law*: LL.B., 18. *Med.*: M.D., 8; Ch.M., 2; M.B., B.Ch., 167; B.Sc. (Physiotherapy), 12. *Sci.*: D.Sc., 1; Ph.D., 4; M.Sc., 2; B.Sc. (Hons.), 14; B.Sc., 55.

DIPLOMAS AWARDED. *Postgraduate*: Town Planning, 5; Anæsthetics, 4; Clin. Pathol., 1; Psychol. Med., 5; Pub. Health, 3. *Other*: Archit., 6; Quantity Surveying, 15; Community Organization, 11; Native Affairs, 2; Soc. Work, 1; Midwifery, 4; Nursing, 7; Occupational Therapy, 5.

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THE UNIVERSITIES OF INDIA

[Specially contributed for this edition 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 the bulk of the teaching continued to be carried on 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 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 improvements and extensions that may be desirable to suit present and

* See COURSES, p. IIII.

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 amendment of the Delhi University Act has 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 Thomson 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 sufficient vacancies 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, however, are 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 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

* The total number of students in the Universities and Colleges of India is approx. 360,000 (including about 40,000 in Intermediate Colleges).

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 for the titles is usually quite high, but nomenclatures are used in different Universities with different significances. 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 other 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 3½-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 5½ or 6 years' duration. At Lucknow and Madras it is a 4-year course after the Intermediate. Aligarh has courses 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.

Oriental Languages. Titles and degrees in Oriental Languages are given by the Universities of Allahabad, Andhra, Annamalai, Banaras,

* Traditional system of Medicine usually practised by Muslim physicians ; distinct from *Ayurveda*, the traditional Hindu system of Medicine.

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 and opinion among the Universities. The Universities of Ceylon and Rangoon (Burma) are members of the Inter-University Board of India.

* 1 Rupee = 1s. 6d. approximately.

President, 1952-53, K. K. Handiqui, M.A. Calc. and Oxon., Vice-Chancellor, University of Gauhati; 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.

PUBLICATIONS. The Inter-University Board publishes a *Handbook of Indian Universities* in alternate years, *Lists* of subjects on which research is being done and a *Bibliography of Doctorate Theses*. It also publishes the Proceedings of the meetings of the Board and of Conferences of Univs., held under its auspices, 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 Office of the High Commissioner for India, India House, Aldwych, London, W.C.2 (*Telephone*: Temple Bar 8484), gives advice and help on educational and all other matters relating to Indian students who come to Gt. Britain to complete or supplement their education. Secretary: A. M. D'Rozario, M.Sc., Ph.D., Dip. Ed. Camb.; Deputy Secretary, R. M. J. Knaster, O.B.E., B.A. Camb. Education Officers: Miss C. H. Bose, M.A. Camb.; S. G. Sathaye, B.A. Bom., Ph.D. Lond.; M. L. Obroi, M.A. Panj., B.A. Oxon.; Miss S. Narsian, M.A., B.T. Bom., M.Ed. Leeds; Mrs. K. Sitaram, B.A., L.T. Madr. Assistant Education Officers: B. C. Nag; Miss V. Kitchlu, M.A. Delhi, M.A. Panj.; Miss S. Rajan, M.A., L.T. Madr.; Mrs. K. Khan, M.A. Madr.; M. P. Jain, M.A. Panj.; I. R. Khan, M.A. Delhi; N. K. Sundaram, M.A. Madr., B.A. Oxon.

Indian students who propose to proceed abroad for further study or research are strongly advised to consult 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 published by the Education Dept. in London; the 8th edition was published late in 1938 and reprinted in 1946. A new edition is in course of preparation. An annual Report on the work of the Dept. is also published. Copies of both these publications may be obtained from the Office of the High Commissioner for India; or in India, through the Agents for the sale of Government publications.

The number of Indian students at present pursuing courses in the U.K. is approx. 2750 and the Officers of the Education Dept. keep in touch with them by regular visits to the various Univs., Colls. and other institutions and by personal contact in London.

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.

AGRA UNIVERSITY

Founded 1927

Postal Address : Hewett Park, Agra.

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. Principal and Prof. of *Physics*—N. K. Sethi, D.Sc.

AGRA, *Balwant Rajput College*. (Telephone : 111.) M.A. ; M.Sc. ; M.Com. ; M.Sc. (Agric.). Principal—R. K. Singh, M.A., LL.B. Alld., D.Ed. Harv.

AGRA, *Engineering College*. (Telephone : 780.) B.Sc. Eng. Principal—S. B. Khunyar, B.A., C.E., M.I.E.

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.

AGRA, *Radha Soami Educational Institute*. (Telephone : 730.) B.A. ; B.Sc. ; B.Com. ; LL.B. ; B.T. Principal—B. P. Mathur, M.A. Alld., T.Dip.

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.

AGRA, *Women's Training College*. (Telephone : 730.) B.A. ; B.T. Principal—S. P. Sukhia, M.A., T.Dip.

AJMER, *D.A.V. College*. (Telephone : 262.) B.A. ; B.Com. Principal—D. Vable, M.A.

AJMER, *Government College*. (Telephone : 21.) M.A. ; M.Sc. ; B.Com. ; LL.B. Principal—V. V. John, M.A.

AJMER, *Sa Vitri Girls' College*. B.A. Principal—Lalit Kumari, M.A.

ALIGARH, *Barahseni College*. (Telephone : 145.) M.A. ; M.Com. ; LL.B. Principal—M. C. Mathur, M.A., M.Sc., Ph.D.

ALIGARH, *Dharam Samaj College*. (Telephone : 158.) B.A. ; B.Sc. Principal—V. G. Jhingran, M.Sc. Luck., B.Ed. Edin.

ALMORA, *D.L.S.G. Degree College*. B.A. Principal—A. D. Pant, M.A.
 AZAMGARH, *Shibli National College*. B.A. ; LL.B. Principal—S. Sultan, M.A., LL.B.

BALLIA, *Satischandra College*. B.A. Principal—M. L. Misra, M.A.

BARAUT, *D.J. College*. (Telephone : 32.) B.A. ; B.Sc. Principal—.....

BARAUT, *Jat Vedic College*. B.Sc. ; B.Sc. (Agric.). Principal—S. Singh, M.A.

BAREILLY, *Barcilly College*. (Telephone : 1164.) M.A. ; M.Sc. ; LL.B. ; M.Com. Principal—S. B. Banerji, M.A.

BHOPAL, *Hamidia College*. (Telephone : 41.) B.A. ; B.Sc. ; B.Com. Principal—P. C. Malhotra, M.A.

CHANDAUSI, *S.M. College*. M.A. ; B.Sc. ; B.Com. Principal—K. Kumar, M.Sc. Alld.

CHHATTARPUR, *Maharaja's College*. B.A. Principal—H. R. Misra, M.A., D.Litt.

DEHRADUN, *D.A.V. College*. (Telephone : 555.) M.A. ; M.Sc. ; B.T., LL.B. ; M.Com. Principal—R. N. Saxena, M.A., Ph.D., D.Litt.

FAIZABAD, *Faizabad Degree College*. B.A. Principal—H. Hukku, D.Litt.

GHAZIABAD, *Mahanand Mission Harijan College*. (Telephone : 20.) B.A. ; B.Sc. ; B.Com. ; LL.B. Principal—B. S. Mathur, M.A., I.T.

GORAKHPUR, *M.P. College*. B.A. ; B.Com. Principal—A. K. Banerjee, M.A.

GORAKHPUR, *St. Andrew's College*. (Telephone : 112.) M.A. ; B.Sc. ; LL.B. Principal—P. T. Chandi, M.A.

GWALIOR, *Gajra Raja Medical College*. (Telephone : 2368.) M.B. ; B.S. ; M.D. ; M.S. Entirely supported by the State. Principal—Bhagwat Sahai, M.D. Luck.

GWALIOR, *Kamla Raja Girls' College*. (Telephone : 2247.) B.A. Entirely supported by the State. Principal—Mrs. Gargi Devi Mathur, B.A. Ban., Ph.D. Lond.

GWALIOR, *M.B. College of Agriculture*. (Telephone : 2107.) B.Sc. (Ag.). Principal—K. J. Thadani, M.Sc. (Ag.), M.Ag. Bom.

GWALIOR, *Victoria College*. (Telephone : 2242.) M.A. ; M.Sc. ; B.Com. ; LL.B. Entirely supported by the State. Offg. Principal—D. N. Bhalla, M.A.

GYANPUR, *V.N. College*. B.A. ; B.Com. Principal—Ali Ameer, M.A.

HOPUR, *Shri Saraswati Vidyalaya College*. (Telephone : 108.) B.A. Principal—I. D. Tavakley, D.Litt.

INDORE, *Christian College*. M.A. Principal—Rev. A. A. Scott, M.A., Ph.D., B.Pæd. Tor., D.D.

INDORE, *Holkar College*. (Telephone : 6074.) M.A. ; M.Sc. ; LL.B. ; B.Com. Maintained by the State. Principal—N. P. Shastri, M.A. Madr.

INDORE, *Mahatma Gandhi Memorial Medical College*. (Telephone : 307.) M.B. ; B.S. Principal—B. C. Bose, M.D., D.Sc.

JAUNPUR, *T.D.K. College*. (Telephone : 39.) B.A. Principal—H. N. Singh, M.A.

JHANSI, *Bundelkhand Degree College*. B.A. Principal—Sukh Swarup, M.Sc.

KANPUR, *Christ Church College*. M.A. ; M.Sc. Principal—Rev. R. G. Slater, M.A.

KANPUR, *Dayanand Anglo-Vedic College*. (Telephone : 3390.) M.A. ; M.Sc. ; LL.B. ; M.Com. ; B.T. Principal—K. P. Bhatnagar, M.A., LL.B. Alld.

KANPUR, *Government Agricultural College*. (Telephone : 2512.) M.Sc. (Agric.). Principal—B. L. Sethi, M.Sc., Ph.D. Wales.

KANPUR, *V.S. Sanatan Dharma College*. (Telephone : 2333.) M.A. ; LL.B. ; M.Com. Principal—L. C. Tandon, M.A. Calc., M.Com. Bom.

KHURJA, *N.R.E.C. College*. (Telephone : 35.) M.A. ; M.Sc. ; B.Com., B.T. Principal—P. D. Gupta, M.A. Alld.

LAKHAOTI, *K.E.M.U. Jat College*. B.A. ; B.Sc. (Agric.). Principal—A. Dayal Chand, M.Sc., Ph.D. Panj.

LAKHIMPUR-KHERI, *Yuvraj Datta College*. M.A. ; B.Com. Principal—Jaideo Singh, M.A.

MATHURA, *Kishori Raman College*. (Telephone : 156.) B.A. ; B.Com. Principal—D. N. Bhargava, M.A.

MATHURA, *U.P. College of Veterinary Science & Animal Husbandry*. (Telephone : 33.) B.V.Sc. & A.H. Principal—P. G. Pande, M.Sc.

MEERUT, *Meerut College*. (Telephone : 442.) M.A. ; M.Sc. ; LL.B. ; M.Com. Principal—Modan Mohan, M.A.

MEERUT, *N.A.S. College*. B.A. Principal—.....

MEERUT, *Raghnath Girls' College*. B.A. Principal—Mrs. Lakshmi Sharma, M.A.

MORADABAD, *Coronation Hindu College*. M.Sc. ; M.Com. ; B.T. Principal—J. P. Singhal, M.A., Ph.D.

MORADABAD, *K.G.K. College*. (Telephone : 103.) M.A. ; M.Com. ; LL.B. Principal—K. P. Mathur, M.A., Ph.D.

MUZAFFARNAGAR, *S.D. College*. (Telephone : 173.) B.A. Principal—Dhuru Singh, M.A., LL.B.

MUZAFFARPUR, *D.A.V. College*. B.Sc. Principal—Shibil Pal, M.Sc.

NAINITEL, *D.S. Bisht Degree College*. (Telephone : 164.) B.A. ; B.Sc. Principal—S. C. Kofror, M.A., B.Ed. Edin.

ORAI, *D.A.V. College*. B.A. Principal—Kishori Lalhare, M.A.

RAMPUR, *Raza College*. B.A. ; B.Sc. Principal—Abdul Shakoor, M.A.

REWA, *Durbar College*. M.A. ; M.Sc. ; LL.B. ; B.Com. ; B.Sc. (Ag.). Principal—J. K. Das Gupta, M.A., Ph.D.

SHAHJAHANPUR, *Gandhi-Faiz-Am College*. (Telephone : 12.) B.A. ; B.Sc. Principal—M. R. Kidwai, M.Sc. Luck.

SHIKOHABAD, *Ahir Kshatriya College*. B.A. ; B.Com. Principal—A. K. Mukerji, M.A. Oxon. and Calc.

UJJAIN, *Madhava College*. M.A. ; M.Sc. ; LL.B. Principal—Rev. A. M. Dalaya, M.A. Oxon., LL.B.

UNNAO, *Subhas National College*. (Telephone : 13.) M.A. Principal—L. N. Misra, M.A., LL.B. L.T.

GENERAL INFORMATION

Act VIII of 1926 of the United Provinces Legislature, which received the assent of the Governor-General on Oct. 20, 1926, provides for the establishment of a University "for the purpose of affiliating the colleges associated with the University of Allahabad..." so as to set the latter free to function as a unitary, teaching and residential institution. It empowers the Agra University to affiliate colleges in the 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 to be eligible, subject to prescribed conditions, for degrees and other academic distinctions : (a) candidates who pass the University's examinations after pursuing an approved course at an affiliated college ; (b) teachers who pass the University's examinations ; (c) inspecting officers in the Department of Education who pass the University'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.

DEGREES. B.A., M.A., Ph.D., D.Litt. ; B.Com., M.Com., Ph.D., D.Litt., LL.B., LL.M. ; B.Sc., M.Sc., Ph.D., D.Sc. ; B.Sc. (Ag.), M.Sc. (Ag.) ; Ph.D., D.Sc. ; M.B., B.S., M.D., and M.S. ; B.V.Sc. and A.H. ; B.T., B.Sc. (Eng.).

FACULTIES AND DEANS. *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*, ; *Law*, Brijendra Swarup, LL.D. ; *Medicine*, B. Saharj, M.D. ; *Science*, ; *Veterinary Science and Animal Husbandry*, P. G. Pande, M.Sc.

COURSES. B.A., B.Sc., 2 yrs. Candidates must have passed (i) the Inter-med. Examn. of the Bd. of High School and Intermed. Edn., U.P., or of the Central Bd. of Secondary Educn., Ajmer Bd. of High School and Intermed. Edn. for Rajputana (including Ajmere-Merwara), Central India, and Gwalior, or of an incorporated Indian Univ. ; or (ii) the Higher School Certif. Examn. conducted by the Syndicate of the Univ. of Cambridge ; or (iii) the pre-medical Examn. of Delhi Univ. ; or (iv) the pre-engineering Examn. of Delhi Polytechnic ; and have attended a regular course of study in an affiliated college. B.T., 1 yr. in affiliated coll., by examn. 1st yr. after graduation. B.Com., 3 yrs. Candidates must have passed (i) the Intermed. Examn. of the Bd. of H. Sch. and Intermed. Edn., U.P., or of an incorporated Indian Univ. ; or (ii) the Commercial Diploma Examn. of Allahabad Univ. or of the Bd. of H. Sch. and Intermed. Educn., U.P. ; or (iii) the Intermed. Examn. in Commerce of the

Bd. of H. Sch. and Intermed. Educn., U.P. or Ajmer, Findhya 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. 2 examns., Pt. I and Pt. II. LL.B. Graduates in Arts, Commerce, Science, Medicine, Engineering, Veterinary Science or Agric., who complete a regular course of study in a Law Class in an affiliated college for 1 yr., are eligible for admission to the Previous Examn., and after one further yr. to the Final Examn. B.Sc. (Ag.). Candidates must have passed the Intermed. Examn. in Agric. of the Bd. of H. Sch. and Intermed. Educn., U.P., or any other examn. in Agric. recognized by the Univ. as equivalent thereto, and have attended a regular course of study in an affiliated college for two academical yrs. Two examns.—Pt. I and Pt. II. B.Sc. in Pharmaceutical Chemistry. Statutes have been approved, but no college has yet been affiliated for it. M.B., B.S., 5 yrs.' course. B.V.Sc. and A.H., 4 yrs.' course in Veterinary Science and Animal Husbandry. 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 research scholarships of Rs. 75 each per mensem, tenable for 12 months in an affiliated coll. The following postgrad. scholarships of Rs. 30 per mensem, tenable for twenty mos. (ten mos. in a yr.), are awarded annually for precedence in First or Second Division on results of the respective degree examn.:—10 M.A., on result of B.A. examn.; 10 M.Sc., on result of B.Sc. examn.; 3 M.Com., on result of B.Com. examn.; 3 M.Sc. (Ag.), on result of B.Sc. (Ag.) examn. A large number of scholarships and medals awarded by the affiliated colls. to their own students.

PUBLICATION. *Calendar* (Nov.; once in 3 yrs.), Rs. 8.

UNIVERSITY PRESS. Established in Univ. premises.

THE YEAR 1950-51

NEW BUILDINGS. A new Senate Hall for holding Univ. meetings and examns. Residential quarters on Univ. site for staff members.

CHANGES IN REGULATIONS. Dipl. Course in Journalism in Hindi and English to be begun. Inauguration of a Master's degree in Education under consideration. Dipls. in Child Health, Tubercular Diseases and Ophthalmic Med. and Surg. instituted in Fac. of Med. M.A. Classes in Sociol. started.

HONORARY DEGREE. *D.Litt.*—Lala Diwan Chand, former Vice-Chancellor of the Univ.

AGRA

1121

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3541	18,351
Women	898	840
Total	4439	19,191*

* Includes 3493 postgraduate students and 7375 new admissions.

DEGREES. B.A., 3567; M.A., 1563; B.T., 96; B.Sc., 1017; M.Sc., 180; LL.B., 466; B.Com., 937; M.Com., 295; B.Sc. (Ag.), 305; M.Sc. (Ag.), 86; M.B., B.S., 104; B.V.Sc. and A.H., 19; M.D., 7; M.S., 5; Ph.D., 12.

ALIGARH MUSLIM UNIVERSITY

Founded 1920

Postal Address : Aligarh, U.P.

Telephone : Aligarh 73.

LORD RECTOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

CHANCELLOR—HIS HIGHNESS ALIJAH MUKHLIS-UD-DAULA, NASIRUL-MULK, AMIRUL UMARA, MAJOR NAWAB SIR SYED MOHD. RAZA ALI KHAN BAHADUR, MUSTAID-JUNG, K.C.S.I., K.G.C.I.E., LL.D.

PRO-CHANCELLOR—NAWAB SAIDUL MULK BAHADUR, DR. HAFIZ MOHD. AHMAD SAID KHAN SAHEB OF CHHATARI.

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PRO-VICE-CHANCELLOR—ABDUL HAQ, M.A., D.Phil.

TREASURER—QAZI AZIZUDDIN AHMAD BILGRAMI, B.A., LL.B.

REGISTRAR—AZMAT ELAHI ZOUBAIRI, B.A., LL.B.

LIBRARIAN—S. BASHIRUDDIN, M.A.

TEACHING STAFF

Arabic

.....	Prof.	Farooq, M. O., Ph.D. Alig. and Lond., M.Sc., D.I.C.
Aleem, A., Dr.Phil. Berl., B.A.		Reader.*
	Reader.*	Aziz, M. A., Dr.Phil. Berl., B.Sc.
Lecturers		Reader.
Badruddin, M.		Kidwai, Dr. A. R. (Biochem.)
Ahmad, Dr. M.		Reader.
Almamoon, M.		

Botany

.....		
Lecturers		Lecturers
Hasan, A., M.Sc. Alld.		Rahman, S. F., M.Sc.
Khan, R., M.Sc.		Ahmad, S. S., M.Sc.
Khan, A. M., Ph.D. Munich, M.Sc.		Hasan, H., M.Sc.
Ansari, M. S., M.Sc. Luck.		Husain, I., M.Sc.
Siddique, K. M., M.Sc. Panj.		Rahman, A., M.Sc. Luck.
Abbas, A., M.Sc. Alld.		Malik, W., M.Sc., Ph.D. Agra.
Farooq, M., M.Sc.		Qureshi, M. M., M.Sc.
Khan, M. R.	Temp.	Rahman, A.
		Osman, M.
		Abraham, N. A.
		Surti, A.
		Temp.

Chemistry

.....		
		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.

Economics

..... Prof.
Ahmad, S. M., M.A., LL.B.

Reader.*

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.

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.

..... Lectr.

..... 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.

Naseeruddin, S., M.A.

Hasan, M., M.A.

Ahmad, M.

Rahman, A.

Kazini, 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.

Geology

Gauju, P. N., M.Sc., Ph.D.*

Lecturers

Rasul, H., M.Sc. Calc.

Ali, B., M.Sc. Calc.

Ahmad, N., M.Sc. Patna.

Hindi and Sanskrit

Lecturers

Swaroop, Pdt. R.

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.*

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

Khusro, M. I., M.A. Camb.
 Reader.*

Lecturers

Rahman, H., B.A., LL.B.
 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. (on leave).
 Hasan, H., M.Sc.
 Khan, S. Temp.

Persian

Hasan, S. H., B.A. Camb., Ph.D.
 Lond. Prof.*
 Khan, M. H. U., M.A. Prof.
 Ahmad, Z.-I., M.A. Lectr.

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.
 Chowdhury, K. R., M.Sc. Calc.

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.
 Zoberi, S. H., 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.

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.
 Matinuzzaman, M. Fellow.
 1 Student Asst.

Urdu

Siddiqi, R. A., M.A. Reader.*

Lecturers

Khan, M. H., M.A., Ph.D. (on leave).
 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, Dr. N. H.
Qasim, Z.

Medicine

Leber, Prof. A., Dr.med. Heidel.
Dean.

Ophthalmology

Leber, A., Dr.med. Heidel. Prof.

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.

ADMINISTRATIVE AND OTHER STAFF

DEANS OF FACULTIES. *Arts*, Prof. H. Rahman; *Engineering*, Prof. N. C. Dey; *Medicine*, Prof. A. Leber; *Science*, Prof. P. S. Gill; *Theology*, Dr. Z. Husain.

PROVOSTS. S.S. Hall, S. Majiduddin; V.M. Hall, Dr. O. Farooq; Aftab Hall, S. M. Hosain; Sir Sulaiman Hall, R. A. Siddiqi.

PROCTOR. S. M. Shafi.

PRINCIPALS. Women's College, Mrs. M. J. Haider; Tibbiya College, A. Latif; College of Engineering and Technology, Prof. K. C. Chakko; Training College, Prof. H. Rehman.

MEDICAL OFFICER. Capt. H. Rahman.

SUPT., BUILDING DEPT. A. Lewis.

COLLEGE OF ENGINEERING AND TECHNOLOGY

Civil Engineering

Chakko, K. C., D.Sc. (Eng.) Lond., B.A. Prof.*
Chowdiah, A. M., 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.
Birman, G., Dip.Ing., Dipl. Phys. Berl. Reader.

* Chairman of Dept.

Lecturers		Lecturers	
Bhattacharjee, S. C., B.Sc. Calc.,		Husain, S., B.Sc., B.Sc. (Eng.).	
B.Sc. (Eng.) Ban.		.....	
Huda, N., M.Sc. Dacca.		Munir, J. A., B.Sc. Eng.	
Abbas, S. A., B.Sc., B.Sc. (Eng.)		.....	
	Lectr.	Demonstrators	
Varshney, B. G., B.Sc. (Eng.).		Srivastava, S. C.	
Demonstrators		Mukerjee, D. C., M.E.E. Roor.	
Rasheeduddin.		.....	
Nasiruddin (on leave).		.....	
Sherwani, M. Y. K.		General	
Gupta, H. C., Dip.Eng. Calc.		Khan, A. H.	Workshop Supt.
		Lecturers	
<i>Mechanical Engineering</i>		Manohar, R., M.Sc. (Maths.).	
Dey, N. C., M.Sc. Calc., B.Sc.		Ahmad, N., M.Sc. (Maths.).	
(Eng.) Lond.	Prof.*	Saxena, B. S., M.Sc. (Maths.).	
Narasinhham, D. V., B.Sc. Ban.		Singhal, J. P., M.Sc. (Science).	
and Durh.	Reader.	Ali, S. A.	Drawing Teacher.

UNIVERSITY POLYTECHNIC

<i>Civil Engineering</i>		Mathur, S. G. P.	
Lecturers		Rashiduddin, M.	Demr.
Hasan, A. A. Z.		<i>Mechanical Engineering</i>	
Bahauddin, K. M.		Lecturers	
Ahmad, S. N.		Bey, G.	
Siddiqi, S. H.	Demr.	Hasan, S. N.	
<i>Electrical Engineering</i>		General	
Lecturers		Lecturers	
Huda, N.		Ahmad, N. (Maths.).	
Alhashmi, H. A.		Khan, G. (Phys.).	
Siddiqi, M. O.		Naqvi, N. R.	Drawing Teacher.

GENERAL INFORMATION

The Mohammedan Anglo-Oriental College, founded in 1875, became, under the Aligarh Muslim University Act of 1920, a unitary residential University, with Univ. School and Intermediate College attached as separate institutions. The Intermediate Coll. was abolished in 1932, the Intermediate classes being absorbed in the University proper. The Muslim University School is a feeder to the Univ. and a practising school for the Training College. The Univ. also maintains the Muslim University City High School run on less expensive lines, a Tibbiya College and an Institute of Technology to impart instruction in

* Chairman of Dept.

indigenous medicines of Muslim origin and in Technology respectively. The medium of instruction is English.

LIBRARIES. Central Library: 65,000 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. 1125.)

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 Tibb and Surg. and Ph.D. degrees are also provided.

Women students are admitted to M.A. classes in certain subjects in addition to B.A., B.T. and M.Ed. classes, and arrangements have been made for their instruction under strict purdah.

DIPLOMAS, ETC. Dipl. Engg.; Inter. (Arts); Inter. (Sci.); Inter. (Comm.); High Sch.; 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. 25 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. 75; 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. 20; Diploma in Ophthalmol., Rs. 100; Diploma in Foreign Affairs, Rs. 20; Diploma in Foreign Affairs (Proficiency test), Rs. 10.

PUBLICATIONS. *Calendar* (published regularly); *Prospectus*; *University Magazine* (English and Urdu); *M.U. Gazette*.

THE YEAR 1950-51

HONORARY DEGREES. LL.D.—H. P. Mody, Governor, U.P.; Sir Mirza M. Ismail; Rajendra Prasad, Pres., Republic of India. D.Lit.—Mrs. Eleanor Roosevelt.

STUDENTS (1948-49). Full-time : 3631, including about 513 graduates.

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.

Telephone : Allahabad 2219.

CHANCELLOR—K. M. MUNSHI.

VICE-CHANCELLOR—Prof. A. C. BANERJI, M.A., M.Sc., F.R.A.S.

TREASURER—G. S. PATHAK, M.A., LL.B.

REGISTRAR—K. L. GOVIL, M.A.

ASSISTANT REGISTRAR (ADMIN.)—I. D. CALED, M.Sc., D.Phil.

ASSISTANT REGISTRAR (ACCOUNTS)—K. P. MOHILEY, M.A.

PROCTOR—Prof. S. C. DEB, M.A.

LIBRARIAN—Prof. ISHWARI PRASAD, M.A., D.Litt.

TEACHING STAFF

Arabic and Persian

Ahmad, M. G. Z., M.A., Ph.D.

Lond. Prof.

Hasan, S., M.A., D.Litt. Reader.

Botany

Ranjan, S., D.Sc. Prof.

Saksena, R. K., D.Sc. Reader.

Chemistry

Dhar, N. R., D.Sc. Prof.

Ghosh, S., D.Sc. Reader.

Taimni, I. K., M.Sc., Ph.D.

Reader.

Chinese

Pachow, W., Ph.D. Lectr.

Commerce

Ghosh, M. K., M.A., B.Com.

Lond. Prof.

Agrawala, A. N. Reader.

.....

Reader.

Economics

Mehta, J. K., M.A. Prof.

Karwal, G. D., M.A. Reader.

Jain, P. C., M.A., M.Sc. Reader.

English

Deb, S. C., M.A. Prof.

Dustoor, P. E., M.A., D.Litt.

Prof.

Mehrotra, K. K., M.A., B.Litt.

Oxon. Reader.

Gupta, L. D., M.A. Reader.

French and German

Benoit, F. Pt.-time Teacher.

Hindi

Varma, D., M.A., D.Litt. Prof.

Varma, R. K., M.A., D.Phil.

Reader.

Gupta, M. P., D.Phil. Reader.

History

Saksena, B. P., M.A., Ph.D.

Prof.

Bhatnagar, O. P., M.A. Reader.

Sharma, G. R., M.A. Reader.

Law

Bhattacharya, K. K., M.A., LL.M.

Lond. Prof.

Sastry, K. R. R., M.A., LL.M.

Madr. Reader.

Sapru, T. N., B.A., LL.B.

Reader.

Singh, G. P., LL.M. Offg. Reader.

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

Mathematics

Prasad, G., D.Sc. Edin. Reader.
 Srivastava, P. L., M.A., D.Phil. Oxon. Reader.
 Prasad, B. N., Ph.D., D.Sc. Paris Reader.

Philosophy

Mukerji, A. C., M.A. Prof.
 Kaul, R. N., M.A. Reader.

Physics

..... Prof.
 Deodhar, G. B., D.Sc. Offg. Prof.
 Majumdar, K., D.Sc. Reader.

Political Science

Prasad, I., M.A., D.Litt. Prof.
 Lal, A. B., M.A. Reader.

Russian

Sen-Gupta, S. C. Lectr.

Sanskrit

Saxena, B. R., M.A., D.Litt. Prof.
 Chattopadhyaya, 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.
 Verma, S. C., M.Sc., LL.B. Reader.
 Datta, S. K., D.Sc. Offg. Reader.

COLLEGES OF THE UNIVERSITY

AGRICULTURAL INSTITUTE, Naini, Allahabad. (*Telephone*: Allahabad 2420.) Principal—A. T. Mosher, M.Sc. Ill., Ph.D. Chic.

C.M.P. DEGREE COLLEGE, Allahabad. Principal—J. Sen., M.A.

EWING CHRISTIAN COLLEGE, Allahabad. (*Telephone*: Allahabad 2626.) Principal—S. S. Gideon, M.A., Ed.D. Col.

KAYASTHA PATHSALA UNIVERSITY COLLEGE, Allahabad. Principal—B. R. Saksena, M.A., D.Litt. 7 Tutors.

M. M. MALAVIYA COLLEGE, Allahabad. Actg. Principal—D. P. Shukla, B.A.

WILLIAM HOLLAND UNIVERSITY COLLEGE, Allahabad (American Presbyterian Mission). Principal—H. N. Stuart, M.A., Ph.D. Iowa.

GENERAL INFORMATION

Founded in 1887, the Univ. concerned itself mainly with examinations, having no teaching staff (except that of its School of Law) until 1914. Thereafter it established Chairs and Readerships, etc., for research work in Economics and Modern History for graduate students. In Jan. 1922 was passed an Act (which came into operation in July 1922) for the reorganization of the Univ. as a unitary, teaching, and residential institution, with control, however, over the quality and character of the teaching in "Associated" colleges. The Muir Central College became the nucleus of a teaching University, the jurisdiction of which was limited to a territorial area of ten miles' radius from the Convocation Hall of the Univ. Within this area there are six institutions which supplement instruction given in the Univ. The Women's Dept., which undertakes full instruction for the degree course, has now been transferred from the Crosthwaite Girls' College to the Univ. area. From the commencement of the session July 1922, the Agricultural Institute, Naini (Allahabad), was recognized as a Coll. for the B.Sc. degree in Agriculture. From commencement of session July 1950, the C.M.P. Degree Coll. and the Ewing Christian Coll. were recognized as colls. for B.Sc. classes.

LIBRARY, 140,767 vols. Darbhanga Reading Hall. There are also departmental libraries for the use of teachers. A **LABORATORY** is attached to each of the Depts. of Physics, Chem., Bot., Zool. **MUSEUMS** in connexion with Econ. and Com. Depts. **ART COLLECTION**: A beginning has been made with a project for an Art Gallery. D. N. Bonarjee of Gola Gokarnnath and others have presented valuable paintings.

English is the usual language of instruction. 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. A. C. Mukerji; *Commerce*, Prof. J. K. Mehta; *Law*, Prof. K. K. Bhattacharya; *Science*, Prof. S. Ranjan.

DEGREES, ETC. B.A., B.A. (Home Arts), M.A., D.Phil., D.Litt., M.Ed., B.Sc., B.Sc. (Home Sciences), B.Sc. (Ag.), B.Sc. (Ag. Engr.), M.Sc., D.Phil., D.Sc.; LL.B., LL.M., LL.D.; D.Litt. (Econ.); B.Com., M.Com.; Dips. in Indian Music, and Sanskrit.

The courses of study for Bachelor's degree cover 2 yrs., following examn. of "Intermediate" standard, equivalent to Higher Sch. Examn. of Camb. Intermediate 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. Ajmere-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.

STUDENT RESIDENCES. Hostels under the control of the University: Sir Pramada Charan Banerji Hostel, Warden—Sri Ranjan, D.Sc.; Sir Sunder Lal Hostel, Warden—Prof. M. K. Ghosh, M.A., B.Com.; Dr. Amaranatha Jha Hostel, Warden—K. K. Mehrotra, M.A., B.Litt.; Sir Ganganatha Jha Hostel, Warden—Prof. A. C. Banerji, M.A., M.Sc.; The Diamond Jubilee Hostel, Warden—D. Varma, M.A., D.Litt.; Sarojini Naidu (Women's) Hostel, Supt.—Miss C. Tripathi, M.A. Hostels and Colleges recognized by the University: William Holland Univ. Coll., Principal—H. N. Stuart, M.A., Ph.D. Iowa; Kayastha Pathshala Univ. Coll., Principal—Dr. B. R. Saksena, M.A., D.Litt.; Madan Mohan Malaviya Coll., Acting Principal—D. P. Shukla, B.A.; Mohammedan Boarding House, Warden—M. G. Z. Ahmad, M.A., Ph.D.; Sumerchand Digambar Jain Hostel, Warden—L. M. Banerji, B.Sc., LL.B.; Ewing Christian Coll., Principal—Dr. S. S. Gideon, M.A., Ed.D.; Chaudhury M.P. Degree Coll., Principal—J. Sen., M.A.; Iswar Saran Univ. Hostel, Warden—B. P. Saksena, M.A., Ph.D.

WOMEN'S EDUCATION. Arrangements have been made for giving both formal and tutorial teaching to women students of the B.A. classes separate from men, in the Women's Dept. of the Univ. The number of lady lecturers sanctioned for the purpose is ten. At present the Univ. has not made similar arrangements for postgraduate or science students. B.A. (Home Arts) and B.Sc. (Home Sciences) courses for women began in 1948.

SCHOLARSHIPS FOR GRADUATES. The Univ. awards annually 9 Research Scholps. of Rs. 50 each (1 yr.) in Arts and 5 in Science. The Univ. also awards annually 4 Scholps. of Rs. 15 p.m. and 2 of Rs. 20 p.m. each (1 yr.) to women graduates; 2 D.Sc. and D.Litt. Scholps. of Rs. 100 p.m. (2 yrs.); 6 M.A. and

6 M.Sc. Scholps. of Rs. 30 p.m. each (2 yrs.) and 2 M.Com. Scholps. of Rs. 30 p.m. each (2 yrs.).

PUBLICATIONS. *Calendar*, Rs. 10; *Univ. Examns. Prospectus*, Rs. 3·8; *Univ. Minutes*, Rs. 5; *University Magazine*, Rs. 2·8 p.a.; *University Studies*, Rs. 7·8; *Indian Journal of Economics*, Rs. 12 p.a.; *Annual Report*.

THE YEAR 1950-51

BENEFACTIONS. Rs. 99,553.

NEW BUILDINGS. Phys. Dept. Extension; Sarojini Naidu (Women's) Hostel Extension; Kalakankar Chem. Lab.; Bot. Dept. Postgrad. Extension; Chem. Dept. Postgrad. Extension; Zool. Dept. Postgrad. Extension; Women's B.Sc. Dept.; Anthropol. Blocks; Diamond Jubilee Hostel Extension; Hist. Dept. Extension; Darbhanga Reading Hall Extension; Phys. Dept. Extension; Geog. Dept. Extension; Maths. Dept. Extension; Military Sci. Dept. Extension; Hindi Bhawan and Delegacy Bldg.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	4591
Women	..	475
Total	..	5066*

DEGREES. B.A. (Pass), 638; M.A., 396; D.Phil., 21; B.Com. (Pt. II), 107; M.Com., 63; LL.B., 178; B.Sc. (Pass), 228; M.Sc., 92; B.Sc. (Agr.), 61; B.Sc. (Agr. Eng.), 15; M.Ed., 38; B.A. (Home Arts), 2; B.Sc. (Home Science), 4.

* Excluding students attending Certif. classes.

ANDHRA UNIVERSITY*

Founded 1926

Postal Address : Waltair, 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, Prof. K. R. SRINIVASA IYENGAR, M.A.,
D.Litt. ; Telugu, N. R. APPARAO BAHADUR, M.A.

HON. LEGAL ADVISER—L. SUBBA RAO, B.A., B.L.

PRINCIPAL OF THE UNIVERSITY COLLEGES—Prof. 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. Pt.-time Lectr.

Reddi, G. S. (Hindi) Pandit.

Sarveswara Rao, B., M.A. Lectr.

Jagannadham, V., M.A., M.Litt.,

B.L.

Lectr.

Subrahmanya Sastry, K. V., B.A.

Actg. 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.

Blasen, Miss, B.A.

Lectr.

Economics and Sociology

Gopal, M. H., M.A., Ph.D. Lond.

Hd. of Dept. and Prof.

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

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. Reader.
Gopal, S., B.A. Lond., B.L.
Reader.
Ramachandriah, O., M.A., Ph.D.
Lectr.

Mathematics

Ramaswamy, V., B.A., Ph.D.
Camb.
Hd. of Dept. and Prof.
Lakshmanamurty, M., M.A. Lectr.
Lingamurty, G., 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

Vagaburshnam, K., M.A., Fil.
Lic., D.Fil.
Hd. of Dept. and Prof.
Nouasimham, N. V. A., B.A.
Lectr.
Abadhain, T. V., B.A. Lectr.

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.
Sastri, D. V., Vidvan Pandit.

JEYPORE VIKRAMA DEO COLLEGE OF SCIENCE AND TECHNOLOGY

Chemistry

Gopala Rao, G., D.Sc.
Hd. of Dept. and Prof.
Neelakantam, K., M.A., Ph.D.,
D.I.C. Prof.
Rahgava Rao, B. S. V., M.Sc.,
Ph.D. Lond. Reader.
Ramachandra Rao, L., D.Sc.
Lectr.
Venkateswarlu, V., D.Sc. Lectr.
Viswanath, G., M.Sc. Lectr.
Rajagopalan, S., M.Sc. Lectr.
Purushottam, A., M.Sc. Lectr.

Geophysics

Savar, 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.
Ramamorti, K. S., M.Sc.
(Meteorol.) Asst. Lectr.

Pharmacy, v. p. 1135*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, B., M.Sc.
Rama Krishna Rao, V., D.Sc.
Suryanarayana Rao, K., M.Sc.
Sunayapilu, Y. U., M.Sc.

Physics, Applied, including Instruments Manufacturing Section

Krishnaswami Chetti, S. T., M.A.
Reader, Hd. of Dept.

Yerrayya Pantulu, V., M.Sc.	Dasa Rao, C. J., B.Sc. (Ag.), M.Sc.
<i>Physics, Mathematical</i>	(Tech.)
Meenakshi Sundaram, S., M.A.,	Narasinga Rao, M., D.Sc. Reader.
D.Sc. Hd. of Dept., Prof.	Venkateswarlu, A., M.Sc. Lectr.
Venkatarayuda, T., M.A., Ph.D.	Rao, V. S., M.Sc. Lectr.
Reader.	Narasimhamurty, G. S. R., M.Sc.
Rao, P. S., M.Sc. Lectr.	Lectr.
Krishnamurti, T. S. G., M.Sc.	Raghavacharya, M. V., M.Sc.
Lectr.	Lectr.
<i>Technology</i>	<i>Pharmacy</i>
Venkata Rao, C., M.Sc., D.I.C.	Rangaswamy, S., M.A., Ph.D.
Hd. of Dept. and Prof.	Hd. of Dept. and Prof.
Sitapati Rao, D., B.A., B.Sc.	Subba Rao, V., M.Sc. Lectr.
(Engg.) Reader.	Subrahmanyam, S. S., D.Sc. Lectr.
	Kewanadham, N., M.Sc. Lectr.

ERSKINE COLLEGE OF NATURAL SCIENCES

<i>Botany</i>	Shiramakas, M., M.Sc., Ph.D.
Venkateswarlu, J., D.Sc.	Lectr.
Hd. of Dept., Prof.	Doraiswamy, M. S., M.Sc. Lectr.
Seshagiri, P. V. V., M.Sc. Reader.	Narasingo Sathapathi, M.Sc. Lectr.
Sundarasiva Rao, B., M.Sc. Lectr.	Srirama Das, A., M.Sc. Lectr.
Vankata Rao, C., M.Sc. Lectr.	<i>Zoology</i>
Sree Ramulu, T., M.Sc. Lectr.	Ganapati, P. N., D.Sc.
<i>Geology</i>	Hd. of Dept., Reader.
Mahadevan, C., M.A., D.Sc.	Rao, T. S. S., M.Sc. Lectr.
Hd. of Dept., Prof.	Nair, K. K., M.Sc. Lectr.
	Dutt, S., B.Sc. Lectr.

UNIVERSITY COLLEGE OF LAW

Raman, S. V., B.A., M.L.	Satyanarayanamurty, B., B.A.,
Hd. of Dept. and Prof.	B.L. Lectr.
Balasubrahmanyam, V., B.Sc.,	Gopalakrishna Sastri, D., B.A.,
M.L. Lectr.	B.L. Lectr.

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 in B.Sc. (Hons.) in Geol., Bot. and Zool., B.Sc. (Pass) in Geol. and Zool., M.Sc. in Bot., Zool., Geol. and Geophys.

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., and M.A. course in Internat. Relations.

WALTAIR, *University College of Law*. Provides instruction in Preliminary Law, I.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—R. Balasubramanyan, B.A., B.Sc. (Ag.).

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—V. H. Sadarangani, B.E., B.Sc. Edin.

RAJAHMUNDRY, *Government Training College*. Principal—..... 10 other teachers.

VIZAGAPATAM, *Andhra Medical College*. Principal—Prof. T. K. Raman, M.D., D.T.M. 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.

GUNTUR, *Andhra Christian College*. Principal—T. S. Paulus, M.A., I.L.D. 56 other teachers.

GUNTUR, *Hindu College*. Principal—V. Subba Rao, M.A. 36 other teachers.

KAKINADA, *Pithapur Rajah's College*. Principal—P. Bhadrachari, M.A., L.T. 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. Punniiah, 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.

CHIRALA, *V.R.S. College*. Principal—T. Rama Rao, M.A., Ph.D.

GUDIVADA, *Gudivada College*. Principal—A. F. Thyagaraju, M.A. Lond.

GUNTUR, *Government College for Women*. Principal—Srimathi D. Damodaran, M.A., L.T. 6 other teachers.

KAVALI, *Kavali College*. Principal—M. Ramanuja Rao Naidu, M.A.

NARASAPUR, *Narasapur College*. Principal—V. Subba Rao, M.Sc., B.Ed.

NARASARAOPET, *S.S.N. College*. Principal—I. Ranganayakulu.

NIDUBROLU, *Buchinaidu College*. Principal—Dr. I. S. Peter.

SRIKAKULAM, *Govt. Arts College*. Principal—S. N. Fazulullah, M.A., L.T.

TENALI, *Tenali College*. Principal—S. P. Ragland, M.A., L.T.

ORIENTAL COLLEGES

GUNTUR, *Saradaniketanam*. Principal—Vidwan Srimathi M. Savithri Devi.

KOVVUR, *S.V.J.V. Sanskrit College*. Principal—K. N. Appa Rao, M.A., U.B.P.

MASULIPATAM, *Narasimha Sanskrit College, Chittigudur*. Principal—S. T. G. Varadachari.

NELLORE, *Sanskrit College*. Principal—G. Hanumantha Sastry, Vidya Bhushana Vidyapravena.

PONUR, *Advanced Sanskrit College*. Principal—C. Satyanarayana Sastry.

RAJAHMUNDY, *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. 61,739 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 : Vidyā Praveena, Ubhayabhasha Praveena and Bhasha Praveena (each 4 yrs.' course). Certifs. of Proficiency in Oriental Learning (P.O.L.). Dipls. in French, German, Librarianship and Music.

THE EXAMINATIONS of all Statutory Indian Univs. are recognized as equivalent to the corresponding examns. of the Univ.

PUBLICATIONS. *University Code* (Act, Statutes, Ordinances, Rules, Regns. and Syllabuses) ; *Annual Register* (Univ. Authorities, Staff, Text-books, Endowments, Graduates, Affiliated and Recognized Colls.) ; *Annual Report* ; *Minutes*.

THE YEAR 1950-51

BENEFACTIONS. Rs. 27,416.

NEW BUILDINGS. Construction of Sri Cattamanchi Ramalinga, Reddy Vihara (the Registrar's Office) completed. Bldg. for Dept. of Pharm. under construction.

CHANGES IN STATUTES AND REGULATIONS. Amendment to Act providing for nomination of 2 members (instead of one) to Syndicate by Maharaja Saheb of Jeypore. Amendments to Statutes providing for acceptance of resignation of Vice-Chancellor by Syndicate ; and for award of M.A. in Internat. Relations with branches in Diplomacy and Consular Functions. Amendments to Regulations reintroducing Inter. course in Arts and Sciences and instituting I. Tech. course, M.L. and D.L. in Law, B.Pharm. course, M.Sc. course in Stats. and M.Pharm. course.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. Y. Burrow (Oxon.) ; Prof. M. N. Saha (Calc.), "The Calendar through Ages and Countries."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. D. Sitapathi Rao (Technol.) and S. T. K. Chetti (Appl. Phys.), Imp. Coll. of Sci. and Technol., Lond.; Prof. C. Mahadevan (Geol.), 6 mos.' study tour in U.S.A.; Dr. K. Nagabhushanam (Maths.), Inst. of Math. Stats., Stockholm.

RETIREMENTS. Prof. R. G. Ayyar (Zool.); Rao B. Z. N. R. Ayyangar (Bot.); A. A. K. Ayyengar (Stats.).

HONORARY DEGREES. *D.Litt.*—Hon. Sri H. Mahtab. *Kalaprapurna*—Sangita Ratnakara; Sangita Kalanidhi Sri D. V. Naidu.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	1090
Women	..	46
Total	..	1136

DEGREES, ETC. B.A., 569; B.A. (Hons.), 46; M.A., 24; B.Com., 368; B.Com. (Hons.), 13; B.E., 71; B.L., 67; B.Sc. (Ag.), 90; B.Ed., 308; B.Sc., 384; B.Sc. (Hons.), 80; M.Sc., 46; M.B., B.S., 50; M.S., 3; D.Sc., 4; M.Sc. (by Research), 30; M.A. (Hons.), 1; M.D., 1.

ORIENTAL TITLES. Vidya Praveena, 12; Bhasha Praveena, 45; P.O.L., 2.

DIPLOMAS. Music, 26; Librarianship, 2.

ANNAMALAI UNIVERSITY*

Founded 1928; incorporated 1929

Postal Address : Annamalaiagar, Madras Presidency, South India.

Telegraphic Address : University, Annamalaiagar.

Trunk Telephone : CDM. 49.

CHANCELLOR—H.E. THE GOVERNOR OF MADRAS.

PRO-CHANCELLOR AND FOUNDER—RAJAH SIR M. A. MUTHIAH CHETTIAR
OF CHETTINAD, B.A.

VICE-CHANCELLOR—R. K. SHANMUKHAM CHETTY, B.A., B.L., D.Litt.

REGISTRAR—A. M. BALASUNDARA MUDALIAR, B.A.

BURSAR—K. P. KANDASWAMI PILLAI.

DEPUTY REGISTRAR—T. D. MINAKCHISUNDARAM, B.A., B.L.

LIBRARIAN—K. NAGARAJA RAO, M.A., B.L.

TEACHING STAFF

Agriculture

Krishnamurthi, S., B.Sc. (Ag.),
M.Sc. Calif., Ph.D. Mich.

Prof.

Sambandam, C. N., B.Sc. (Ag.)

Lectr.

Botany

Singh, T. C. N., D.Sc. Prof.
Rangaswami Ayyangar, K., M.Sc.

Lectr.

Subba Rao, N. S., M.Sc.

Devi, Miss Padmini Lectr.

Srinivasan, C., B.Sc. Demr.

Chemistry

Baliah, V., M.Sc., Ph.D. Stanf.

Prof.

Suryanarayana, C. V., M.Sc.,
D.Phil. Assoc. Prof.

Lecturers

Krishnamurti, S., M.A., M.Sc.

Ramanujam, V. V., M.A.

Shanmuganathan, S., B.Sc.

Ramaswami, P., M.A.

Gopalakrishnan, V., M.Sc.

Ekambaram, A., B.Sc. Demr.

Govindarajan, T. S., B.Sc. Demr.

Tiruvenkatachari, V., M.Sc.

Sambasivan, S., B.Sc.

Economics

Ramakrishna Ayyar, V. G., M.A.

Prof.

Muniswami, M. K., M.A., B.L.

Assoc. Prof.

Lecturers

Anantaraman, B.A.

Ramaswami, A., M.A., M.Litt.

Subbiah, A., M.A.

Balasubramanian, M., M.A.

Engineering, v. infra

English

Duraiswamy, M. S., M.A. Prof.

Subrahmanya Ayyar, A. C., M.A.

Assoc. Prof.

Lecturers

Myleru, C. R., M.A.

Sethuraman, V. S., M.A.

Gopalakrishnan, G., M.A.

Sitaraman, M. V., B.A.

Subrahmanyan, S., B.A.

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

Satchidanandam, V., B.A.
Venkatanna, G., B.A.
Sitaramiah, K. B., M.A.

Tutors

Saroja, Mrs. K., B.Sc.
Vimala, Miss K. M., B.A.

French

Thangavolu Pillai, P. P., B.A.,
B.L. 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.

Malayalam

Kochukrishna Kurup, K., Vidvan
Lectr.

Mathematics

Ganapati Ayyar, V., M.A., D.Sc.
Prof.

Rangaswami Ayyar, K., M.A.,
Ph.D. Assoc. Prof.

Lecturers

Krishnamurti, V. S., M.A.
Guruswami, T. K., B.A.
Ganesan, N., B.A.
Sankaranarayanan, G., M.Sc.
Gopalan, N., B.A.
Padmanabhan, K. S., B.A.
Bhaskaran, P., B.A.

Music

Subrahmanya Pillai, C., Vidvan
Prof.

Lecturers

Sivavadivel Pillai, K. S. (Violin).
Gomati Sankara Ayyar, V. S.
(Vina).
Nilamegam Pillai, R. (Violin).
Vajravelu Mudaliar, P. (Vocal).

Sivasubrahmanya Pillai, T. N.
(Vocal).

Sundaresan, T. P. (Thevaram).
Vaidyalingam Pillai, P. (Vocal).
Gowri Kumari, Miss M. G.
Rajagopal Pillai, M. S. (Vocal).
Ramadoss Rao (Mridangam).

Philosophy

Ramanujachariar, R., M.A. Prof.
Lecturers

Jesudas, D. I., M.A., M.Litt.
Ramalingam, C., M.A.
Oliver, A., M.A.

Physical Education

Govindarajalu, L. K., B.A., B.L.
Dir. and Prof.

Assistants

Aiyaru, C.
Venkataramanan, E., B.Sc.
Sabapathy, V., B.Sc.
Kalyanasundarammal, Mrs. C.

Physics

Navanithakrishna, T. P., M.A.
Prof.

Viswanathan, R. K., M.A.
Assoc. Prof.

Lecturers

Narayanaswami Ayyar, S., M.A.
Sriraman, S., M.A., M.Sc.
Vijayaraghavan, K., M.A., M.Sc.
Sundaram, S., M.A.
Visweswaran, K., M.A.
Tirugnanasambandam, P., B.Sc.

Demonstrators

Govindarajan, M. S., B.Sc.
Kodivanam, R., B.Sc.
Jayaraman, T., B.Sc.

Sanskrit

Venkateswaran, C. S., M.A., Ph.D.,
Siromani Assoc. 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.

Tamil

Chidambaranatha Chettiar, A.,
M.A., Ph.D. Prof.

Ramanathan Chettiar, L. P. Kr.,
Vidvan, Pandita Assoc. Prof.

• Lecturers

Bhuvaraham Pillai, A., Vidvan.
Arunachalam Pillai, M., Vidvan.
Somasundaram Pillai, V. M.,
Vidvan.

Chintamani, K. N., B.O.L.
Shanmugam, M., M.A.
Ramaswami, A., M.A.
John, Miss L. R., M.A.
Muthuswami Pillai, M., Vidvan.
Minakshisundaram, K., B.A.
Tutor.

Ramalingam, M.

Research Department Lecturers

Subrahmanya Pillai, G., M.A.,
B.L., Vidvan.
Varadaraja Ayyar, E. S., B.A.
Sadasiva Pandarathar, T. V.
Vellaivanam, 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

Balasubrahmanyam, T. S., M.Sc.
Sankaramurthi, Mrs. P., B.Sc.
Kalyanam, N. P., B.Sc.
Srinivasan, K., B.Sc.

Engineering and Technology

Civil E.

Venkataramana Raju, P., B.E.
Prof. and Hd. of Dept.
Ramaswami, G. S., M.S., C.E.
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. M., B.E.
Rajagopalan, N., M.Sc. (Geol.).
Suryanarayana, D., B.E.
Narasimhan, K., B.E.
Norman, C., B.E.
Ramachandra Rao, R., B.E.
Ramalingam, V., B.A., B.E.
Narayanan, R., B.E.
Kuppuswamy, M., B.E.
Manickavelu Mudaliar, M.
Draughtsman.

Electrical E.

Krishnamacharlu, P., B.E., M.Sc.
Calif. Prof.
Balasundaram, V., B.Sc.
Asst. Prof.
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.).
Shanmugam, G., B.E.
Xavier, S. Draughtsman.

Technology

Palaniappan, N. P., M.Sc., M.Sc.
(Tech.) Manc. Prof.

Assistant Professors
 Narayan Das, B., M.Sc. Cal.
 Lakshmanan, S., M.Sc. (Tech.).
 Lecturers
 Adivarahan, P., B.Sc., B.Sc. (Tech.).

Bhimeswara Rao, P., M.Sc. (Tech.).
 Krishnan, S., B.Sc., B.Sc. (Tech.).
 Ganapathy, K., B.Sc.
 Alagiriswamy, V., B.Sc., B.Sc.
 (Tech.).

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. Dr. D. A. D. Nath.

GENERAL INFORMATION

As the result of an offer by Rajah Sir S. R. M. Annamalai Chettiar of Chettinad to transfer to a residential teaching University, if one were founded, the Sri Minakshi College for higher instruction in English, the Sri Minakshi Tamil College, and the Sri Minakshi Sanskrit College which he had established and maintained, together with an endowment of 20 lakhs of rupees, the Government of Madras passed an Act in 1928 accepting the offer and providing for the establishment of the Annamalai University. Government also provided 27 lakhs of rupees towards the endowment fund, a recurring grant of one and a half lakhs a year, and, subject to conditions agreed between Government and the University, a sum of seven and a half lakhs for building and equipment.

The authorities of the University under the Act are : (1) the Senate, (2) the Academic Council, (3) the Faculties, (4) the Boards of Studies, (5) the Syndicate, (6) the Finance Committee, 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 ; *Engineering and Technology*, Prof. P. Venkataramana Raju ; *Oriental Studies*, Prof. A. Chidambaranatha Chettiar (Tamil) ; *Science*, Prof. T. P. Navanithakrishna.

ADMISSION. Holders of completed School Leaving Certificates under the S.S.L.C. scheme adopted by the Govts. of Madras and the Madras States declared eligible by the Syndicate are admitted to a course of study in the Univ.

DEGREES. By examination : B.A., B.A. (Hons.) ; B.Sc., B.Sc. (Hons.) ; M.A., B.O.L., M.O.L. (Oriental Learning) ; B.Mus. ; B.E. and B.E. (Chem.) ; Research degrees : M.Litt. and M.Sc., Ph.D., D.Litt. and D.Sc.

DIPLOMAS. Titles in Oriental Learning (Vidvan, Pulavar and Siromani) and Music (Sangita Bushana)—4 yrs.' course in each case. Dipl. in French.

RECOGNITION OF EXAMNS. of other Univs. Examns. of all statutory Indian Univs. are recognized for purposes of admission.

FEES. Tuition, per term. Interm., Rs. 47 8 ; B.A., B.Sc., Rs. 62·8 ; B.Sc. Hons., Rs. 70 ; B.E., B.E. (Chem.), Rs. 72 ; Oriental Titles, Rs. 10. In addition, there are deposit and lab. fees.

LIBRARY. 85,400 vols.

LABORATORIES. Phys., Chem., Bot., Zool., Engin. and Technol. with workshops and arrangements for practical work for all students.

TUTORIAL INSTRUCTION and disciplinary supervision for all students are provided by assigning about 15 students to each member of the staff.

RESIDENCE. (For Wardens see "Administrative and other Staff," *supra*.) Students are required to live in hostels attached to the University or in approved lodgings recognized by the University. Separate Hostel with a Lady Warden for Women Students.

HEALTH. A Dispensary with an isolation ward is maintained for the benefit of students and staff.

STUDENTS' UNION. Membership open to all students on payment of a fee.

RESEARCH. Studentships tenable 2 yrs., value Rs. 50 per mensem. Fellowship tenable in India and abroad, value Rs. 125 to Rs. 150 per mensem.

PUBLICATIONS. *Calendar* (once in three yrs.), Rs. 5½ ; *Annual Report* (April) ; *University Journal* (Annual), Rs. 7-8 ; *Students' Handbook* (July), Rs. 1 ; *Students' Magazine* (March), Rs. 1.

THE YEAR 1950-51

BENEFACTIONS. Rs. 2500, A. Harvey, Madura Mills ; Rs. 1500, Sir James Doak, Madura Mills ; Rs. 620, P. N. Rajakrishna Menon ; Rs. 500, A. Navalar Memorial Prize Fund Cttee.

NEW BUILDINGS. Lectrs.' Quarters (4 blocks of 2 hses. each) ; Clerks' Quarters (2 blocks of 5 hses. each).

NEW DEPARTMENTS. Dept. of Agric. in Fac. of Sci. with provision for instruction in Agric. as a Pure Sci. subject of B.Sc. degree standard.

CHANGES IN REGULATIONS. Phys. Educn. became a sep. dept. in Fac. of Arts. Laws revising Univ. teachers' grades and scales of salaries adopted, with effect from July 1, 1950.

RETIREMENT. S. Satchidanandam Pillai, Registrar.

OTHER DEVELOPMENTS. Dept. of Postgraduate Studies and Research to be organized shortly. N.C.C. : An Independent Infantry Co. (Sr. Div.) with a strength of 5 Officers and 154 Cadets and a Signals Unit (Sr. Div.) with a strength of 2 Officers and 60 Cadets sanctioned for the Univ.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	1668
Women	..	105
Total	..	1773

Included in the above are 24 postgraduate students and 636 new admissions.

DEGREES, ETC. M.Litt., 1 ; M.A., 40 ; B.A. (Hons.), 53 ; B.A. (Pass), 45 ; B.Sc. (Hons.), 31 ; B.Sc. (Pass), 71 ; B.E., 90 ; B.E. (Chem.), 13 ; B.O.L., 2 ; Pulavar, 14 ; Siromani, 26 ; Sangita Bushana, 8.

BANARAS HINDU UNIVERSITY*

Founded 1916

Postal Address : Banaras 5, U.P.

Telegrams : University, Banaras.

Telephone : 557.

LORD RECTOR—THE PRESIDENT OF THE REPUBLIC OF INDIA.

VISITOR—H.E. THE GOVERNOR OF UTTAR PRADESH.

CHANCELLOR—H.H. THE MAHARAJADHIRAJ SIR GEORGE JAYAJI RAO SCINDHIA, G.C.I.E., of Gwalior.

PRO-CHANCELLORS—The Hon. MAHARAJADHIRAJA SIR KAMESHWAR SINGH BAHADUR, K.C.I.E., LL.D., D.Litt., of Darbhanga ; and H.H. MAHARAJA BHIM SINGHJE SAHEB, K.C.S.I., of Kotah.

VICE-CHANCELLOR—Dr. ACHARYA NARENDRA DEVA.

PRO-VICE-CHANCELLOR—Prof. V. V. NARLIKAR, M.A. Camb.

DEANS—*Arts*—Prof. V. V. NARLIKAR ; *Ayurveda*—Pdt. RAJESWAR DATT SHASTRI ; *Law*—Prof. G. B. JOSHI ; *Music and Fine Arts*—Pdt. OMKAR NATH THAKUR ; *Oriental Learning*—Pdt. RAM. VYAS JYOTISHI ; *Science*—Prof. A. B. MISRA ; *Technol.*—Dr. DAYA SWARUP ; *Theol.*—Pdt. VISWANATH SHASTRI.

TREASURER—JYOTIBHUSHAN GUPTA.

REGISTRAR—A. B. MISRA, D.Sc., D.Phil. Oxon., F.R.E.S.

ACTING LIBRARIAN—D. SUBRAMANIAM.

ADMINISTRATIVE AND OTHER STAFF

Dir. Phys. Trg. : K. C. Trigunayat. Phys. Trg. Instr. : M. Roy. Chief Med. Officer : R.B. Dr. S. B. Singh. Med. Officer : Dr. G. S. Singh. Actg. Supt., Univ. Press : R. K. Das. Chief Wardens of Hostels : Birla, Prof. B. L. Atreya ; Broacha, Maj. C. Bal ; Ruiya, ; Engin. Hostels, Prof. G. C. Mukerjee ; Morvi, Dr. D. Swarup ; K.E. Hostels, Prof. K. P. S. Malani ; De, Prof. H. B. Malkani ; New Hostels, Warden, Prof. S. S. Gairola. T.T. Coll. New Hostel : B. N. Agarival. Wardens, Dr. Bhagwan das Hostel : Dr. K. N. Srivastava, Prof. H. N. Bhattacharya. Lady Warden, Women's Hostel : Miss V. S. Deodhar.

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. Datt Shastri.

BHARATI MAHAVIDYALAYA (COLLEGE OF INDOLOGY). Actg. Principal and Actg. Hd. of Dept. of *Ancient Indian Hist. and Culture*—Prof. Raj Bali Pande, M.A., D.Litt. ; Actg. Hd. of Dept. of *Sanskrit*—Prof. Baldeva Upadhyaya,

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

M.A. ; Hds. of other Depts. : *Philos. and Religion*—..... ; *Art and Archit.*—V. S. Agrawala, M.A., D.Litt.

CENTRAL HINDU COLLEGE (KAMACHHA). Principal and Hd. of Dept. of *Hist.*—Prof. R. S. Tripathi, M.A., Ph.D. Hds. of other Depts. : *Engl.*—Prof. C. N. Menon, M.A., Ph.D., D.Litt. ; *Philos.*—Prof. B. L. Atreya, M.A., D.Litt. ; *Civics and Politics*—Prof. M. Behari Lal, M.A. ; *Maths.*—Prof. V. V. Narliker, M.A. ; *Econ.*—Prof. A. K. Dasgupta, M.A., Ph.D. Lond. ; *Arabic and Persian*—Syed A. Hasan ; *Hindi*—Prof. H. P. Dwivedi, M.A. ; *Geog.*—Prof. H. L. Chhibber, Ph.D., D.Sc. Lond., D.I.C., F.N.I.

COLLEGE OF AGRICULTURE. Principal and Hd. of Dept. of *Agric.*—Prof. R. L. Sethi, M.Sc.

COLLEGE OF ARTS (C.H.C.). Principal—R. S. Tripathi, M.A., Ph.D. Lond.

COLLEGE OF MINING AND METALLURGY. Principal and Hd. of Dept. of *Metall.*—Prof. Daya Swarup, B.Sc., Ph.D. Sheff. ; Hd. of Dept. of *Mining*—Prof. M. P. Netarwala.

COLLEGE OF SCIENCE. Principal and Hd. of Dept. of *Chem.*—Prof. S. S. Joshi, D.Sc. Lond. ; Hds. of other Depts. : *Phys.*—Prof. B. Dasanna-charya, M.Sc., Dr.Phil. Munich ; *Maths.*—Prof. V. V. Narliker, M.A. Camb. ; *Bot.*—Prof. Y. Bharadwaja, M.Sc., Ph.D. Lond., F.L.S., F.N.I. ; *Zool.*—Prof. Chandra Bal, M.Sc. (Actg.) ; *Geol. and Mineral.*—Prof. Rajnath, M.Sc., Ph.D. Lond., D.I.C., F.N.I. ; *Geog.*—Prof. H. L. Chhibber, Ph.D., D.Sc. Lond., D.I.C., F.N.I.

COLLEGE OF TECHNOLOGY. Hds. of Depts. : *Indust. Chem. and Chem. Engin.*—Prof. Gopal Tripathi, S.M., M.S.E., Sc.D. Mich., M.Sc. ; *Pharmaceutical Chem.*—Prof. N. K. Basu, M.Sc. Agra ; *Ceramics*—Prof. H. N. Roy ; *Glass*—Prof. R. Charan, B.Sc. Sheff.

DEPARTMENT OF LIBRARY SCIENCE. Director—D. Subrahmanyam, M.A.

ENGINEERING COLLEGE. Principal and Hd. of Dept. of *Electr. and Mech. Engin.*—Prof. M. Sengupta, B.Sc. Calc., B.Sc. Eng. Glas.

KALA SANGITA BHARATI (COLLEGE OF MUSIC AND FINE ARTS). Principal—S.M. Pandit O. N. Thakur.

LAW COLLEGE. Principal and Hd. of Dept. of *Law*—Prof. G. B. Joshi, LL.M.

SANSKRIT MAHAVIDYALAYA (COLLEGE OF ORIENTAL LEARNING AND THEOLOGY). Principal—..... ; Hds. of other Depts. : *Vyakarana*—..... ; *Jyotish*—Ramvyas Pandeya, Jyotishacharya ; *Sahitya*—Mahadeva Sarma Pandeya, Vyakarana-Sahityacharya ; *Darshan*—Lakshminath Jha ; *Religion*—Amar Nath Jaitly, M.A. ; *Sankhya and Yoga*—Hira Vallabh Sastri ; *Vyakarana*—Raj Narayan Sharma ; *Mimamsa*—Ramachandra Dikshitar ; *Dharma Shashtra*—Viswanath Shastri, Dharmacharya ; *Veda*—Kashi Prasad Misra.

TEACHERS' TRAINING COLLEGE. Principal and Hd. of Dept. of *Teaching*—.....

WOMEN'S COLLEGE. Principal—Mrs. K. G. Venkateswaram, M.A.

GENERAL INFORMATION

The University was founded in 1916. For early history, see *Yearbook* for 1930.

The University's assets at March 31, 1951, incl. capitalized value of perpetual annual grants, are valued at Rs. 3,43,60,395.

The Court, the supreme Governing Body of the Univ., includes representatives of Depts. and Colls., of Univ. teachers other than profs., 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 or 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. Over 175,000 vols. **LABORATORIES :** Chem., Phys., Zool., Bot., Geog., Agric., Geol., Ceramics, Glass Technol., Pharmaceuticals, Mining and Metall. The Engineering College labs. include a shop equipped for manufacturing machines, smith and paint shops, an iron and brass foundry and a motor-car repair shop; the Univ.'s own power-house and waterworks are also attached to the Coll.

ADMISSION. The Univ. is open to all persons irrespective of nationality, class, creed, religion or sex. Provision is made for religious instruction and examn. in the Hindu religion for Hindu students. Women are eligible for admission to the Univ. and its examns. and degrees as regular students and also as private candidates at all its examns.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., B.Sc. (Ind. Chem.), B.Sc. Technology (Glass and Ceramics), B.Pharm., B.Sc. in Appl. Sc. (Engin.), B.Sc. (Mining), B.Sc. (Metallurgy), B.Sc. (Agric.), B.Sc. Tech. (Chem. Engin. and Tech.), M.Sc., Ph.D., D.Sc., M.Sc. (Agric.), M.Sc. (Ind. Chem.), M.Sc. (Glass and Ceramics), M.Pharm., A.M.S., Shastri, Chakravarti, Vachaspati, Acharya, LL.B., LL.M., LL.D., B.Ed., M.Ed., Ph.D., D.Sc., D.Litt., Sangitalankar, Santiacharya, Sangitamartand.

DIPLOMAS. Mod. European Languages, Library Science, Soap Manufacture, Metal Enamelling, Pottery and Porcelain, Music, Painting, Sculpture, Chinese, Paurohitya, Indian Philos. and Culture, Clinical Psychol.

CERTIFICATES. Statistical Methods, Spectroscopy.

FEES (per annum). I.A., I.Com., Rs. 90; B.A. and B.Com., Rs. 110; M.A. and M.Com., Rs. 140; I.Sc., Rs. 90; B.Sc., Rs. 120; M.Sc., Rs. 145; Research, Rs. 125; I.Sc. (Eng.), Rs. 250; B.Sc. (Eng.), Rs. 250; I.Sc. Mining, Rs. 230; B.Sc. (Mining) and B.Sc. (Metallurgy), Rs. 240; Law (Previous), Rs. 120; Law (Final), Rs. 120; LL.M., Rs. 150; Ayurveda Pravesika, Rs. 100; First Professional Ayurveda, Rs. 100; Second Professional, Rs. 100; Third Professional, Rs. 100; B.Sc. (Agric.), Rs. 180; M.Sc. (Agric.), Rs. 200; I.Sc. Glass and Ceramics, Rs. 180; B.Sc. (Glass, Ceramics and Industrial Chem.), Rs. 180; M.Sc. (Ceramics, Glass and Ind. Chem.), Rs. 200; B.Pharm., Rs. 180; M.Pharm., Rs. 200; B.Sc. (Chem. Eng.) Pts. I and II, Rs. 220 each; B.Sc. (Chem. Eng.) Pts. III and IV, Rs. 240 each; Sangitapravesika, Rs. 72; Sangita Madhyama, Rs. 96; Sangitalankar, Rs. 120; Sangitacharya, Rs. 144; Fine Arts Section, Rs. 72; Library Diploma, Rs. 90. In the Sanskrit Mahavidyalaya no Hostel or Coll. fee is charged.

FELLOWSHIPS. 3 Holkar Fellowships, each Rs. 3000 p.a., one in each of Facs. of Arts, Sci. and Technol., for studies abroad. 3 Maharaja Sriram Chandra Bhanj Deo Fellowships, Rs. 75 p.m., rising by annual increments

of Rs. 5 to Rs. 100, for res. in Sanskrit lang. and lit. in the Univ. 3 Sayyaji Rao Fellowships, Rs. 75 p.m., rising by annual increments of Rs. 5 to Rs. 100, for res. in the Univ. in Indian Civilization and Culture.

SCHOLARSHIPS. 20 for Arts and Sci. students of merit, 20 for Teachers' Training Coll. Numerous other Coll. as well as Endowment Scholps. in every Coll. 15 per cent. of students in each Coll. are given free tuition.

RESIDENCE. Students must live in one of the Univ. Hostels (Birla, Broacha, Ruiya, Bhagwandes, De, New Hostels and approved lodges) or, subject to the approval of the Pro-Vice-Chancellor, with parents or guardians. There are 15 hostels, accommodating 4000 students, and about 300 residences on the Campus for members of the staff.

ATHLETIC ACTIVITIES. The Univ. Athletic Asscn. organizes Univ. games and sports. Inter-Collegiate games and Univ. Sports are arranged every year. Individual Colls. through their athletic assocns. provide facilities for all outdoor games and the hostels organize all the indoor games. In addition, facilities for military training are available in the 2nd U.P. Battalion of the National Cadet Corps attached to the Univ.

PUBLICATIONS. *Prospectuses, Annual Reports, Scientific Research Journal* (quarterly), *University Magazine* (quarterly), *Calendar* (quinquennial).

THE YEAR 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	6438
Women	..	301
Total	..	6739

Included in the above are approx. 1200 postgraduate students.

DEGREES. B.Sc. (Hons.), 5; B.A. (Hons.), 7; B.A., 476; M.A., 231; Ph.D., 11; D.Litt., 2; B.Ed., 110; M.Ed., 20; B.Sc., 171; D.Sc., 3; B.Sc. (Ind. Chem.), 61; M.Sc. (Ind. Chem.), 26; M.Sc., 60; B.Com., 137; M.Com., 40; B.Sc. (Agric.), 31; M.Sc. (Agric.), 15; B.Pharm., 12; B.Sc. (Glass), 10; B.Sc. (Ceramics), 4; M.Sc. (Ceramics), 3; M.Sc. (Glass), 1; B.Sc. (Eng.), 119; B.Sc. (Min.), 13; B.Sc. (Met.), 31; A.M.S., 40; Shastri, 33; Shastracharya, 18; Vedacharya, 2; LL.B., 77; M.Pharm., 2.

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA *

Founded 1949

Postal Address : Baroda 2.

Telegrams : University, Baroda.

Telephones : Registrar, 2721 ; General, 2442.

CHANCELLOR—HIS HIGHNESS THE MAHARAJA GAEKWAR OF BARODA.

VICE-CHANCELLOR—SHRIMATI HANSA MEHTA, B.A.

REGISTRAR—B. K. ZUTSHI, M.A., LL.B.

ASSISTANT REGISTRAR—K. J. MAJMUDAR, M.A., B.T.

TEACHING STAFF

Botany

Phatak, V. G., D.Sc. Montpellier
Reader.

Chemistry

Patel, C. S., M.Sc., Ph.D. Prof.
Sethna, S. M., M.Sc., Ph.D.
Reader.

Commerce

Kolhatkar, V. Y., M.Com. Bom.,
M.Sc.(Econ.) Leeds Prof.
Chokshi, M. M., B.Com. Reader.

Economics

Chandrasekhar, S., M.A., Ph.D.
Prof.
Malkani, H. C., M.A. Reader.

Education and Psychology

Menon, T. K. N., B.A., D.Ed.
Leeds, D. in Edu. Berl. Prof.
Mukherji, S. N., M.A., B.T.
Reader.

English

Kantak, V. Y., M.A. Reader.
Wadia, S. M., M.A. Reader.

Fine Arts

Bhatt, M., M.A. Bom. Prof.

Bendre, N. S., B.A. (Painting)

Reader.

Chaudhari, N. N., B.A. Calc., Dip.
in Arts Visva-Bharati Reader.

Gujarati

Sandesara, B. J., M.A., Ph.D.
Bom. Prof.

History

Pandya, G. B., M.A. Lond.
Reader.

Home Science

Desai, Miss Leela, Ph.D. Mich.,
B.T., M.A. Reader.

Mathematics

Manerikar, S. D., B.A. Camb.
Reader.

Medicine

de Quadros, A. N., F.R.C.S.Ed.
Dean.

Bhatt, K. K. (Anat.) Prof.
Pathak, J. B. (Physiol.) Prof.
Karandikar, G. K. (Pharmacol.) Prof.
Mordeesai, J. (Pathol.) Prof.

Music

Vasu, A. S. Principal.

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

Philosophy

Patel, D. M., M.A. Lond. Reader.

Physics and Meteorology

Gogate, D. V., M.Sc., Ph.D.
Reader.

Sanskrit

Bhave, S. S., M.A., LL.B., Ph.D.
Reader.

Social Work

Vakharia, Miss P., B.A. Bom.,
M.S. Col., Ph.D. N.Y. Reader.
Swoboda, Miss O., M.S. Prof.

Sociology

Srinivas, M. N., B.A. Mys., M.A.,
LL.B., Ph.D. Bom. Prof.
Desai, I. P., M.A., Ph.D. Reader.

Statistics

Bhatt, N. M., M.Sc., LL.B., Ph.D.
Edin. Reader.
Bhanot, Indira, M.A., M.Sc. Lond.
Reader.

Zoology

George, J. C., B.Sc., Ph.D. Reader.

*Technology**Applied Mechanics*

Sunderasen, T. V., B.A. Madr.,
B.E. Mys. Reader.

Architecture

Pathak, P. M., Dip.Arch. Lond.
Reader.

Chemical Technology

Desai, R. L., B.E., M.Sc.Tech.,
Ph.D. Leeds Reader.

Civil Engineering

Subbarao, D., B.E. (Civil) Mysore
Prof.
Madan, P. J., D.C.E. Karachi,
B.Sc. Edin. Reader.

Electrical Engineering

Sahgal, A. C., B.A. Panj., B.Sc.
Tech. Manc. Prof.
Roy, S. K., B.Sc.Eng. Ban.

Mechanical Engineering

Shah, L. B., M.Sc.Tech. Manc.,
B.Sc. Eng.

FACULTIES AND INSTITUTIONS OF THE UNIVERSITY

FACULTY OF ARTS, Baroda Coll. Bldg., Station Rd., Baroda.

FACULTY OF SCIENCE, Golden Jubilee Science Inst., Station Rd., Baroda.

FACULTY OF MEDICINE, Medical Coll., Baroda.

FACULTY OF TECHNOLOGY (including Engineering), Baroda.

FACULTY OF COMMERCE, Baroda Coll. Bldg., Station Rd., Baroda.

FACULTY OF FINE ARTS, Puspbag, University Rd., Baroda.

FACULTY OF HOME SCIENCE, Station Rd., Baroda.

FACULTY OF EDUCATION & PSYCHOLOGY, Station Rd., Baroda.

INTERMEDIATE COLLEGE, Station Rd., Baroda. Principal—S. M. Wadia, M.A.

MUSIC COLLEGE, Opp. Sursagar, Baroda. Principal—A. S. Vasu.

FACULTY OF SOCIAL WORK, Secretary's Bungalow, Camp Rd., Baroda.

ORIENTAL INSTITUTE, Kothi Bldgs., Baroda. Director—G. H. Bhatt, M.A.

BARODA SANSKRIT MAHAVIDYALAYA, Bank Rd., Baroda. Principal—
H. C. Mehta, M.A., B.T. Bom.

GENERAL INFORMATION

ADMISSION. Students who have passed the Bombay S.S.C. Examn. or such Entrance, Matricn. or equivalent examn., or any examn. of Bom., Poona, Karnatak, Gujarat or any other Statutory Univ. that may be established in the State of Bombay by law, will be admitted to the Univ. Admission to *B.A.*

or *B.Sc.* Courses is granted only to those who have passed Inter. Examn. of this Univ. or any other Indian Univ. Admission to *B.T.* Course is granted to those who have obtained Bachelor's degree in Arts, Sci. or Commerce. Admission to *B.E.* Course is granted only to those who have passed I.Sc. examn. Admission to *M.B.*, *B.S.* Course is granted to those who have passed I.Sc. examn.

FACULTIES AND DEANS. *Arts*, G. B. Pandya (Hist.); *Commerce*, Prof. V. Y. Kolhatkar; *Education and Psychology*, Prof. T. K. N. Menon; *Fine Arts*, Prof. M. Bhatt; *Home Science*, Dr. Leela Desai; *Medicine*, Dr. A. N. de Quadros; *Science*, Prof. C. S. Patel (Chem.); *Social Work*, Dr. P. Vakharia; *Technology*, Prof. D. Subbarao (Civil Engin.).

DEGREE COURSES. B.A. or B.Sc., 2 yrs. after I.A. or I.Sc.; B.Com., 2 yrs. after I.Com.; Master's degrees, 2 yrs.; B.T., 1 yr. after graduation; B.E., 3½ yrs. after I.Sc.; M.B., B.S., 5½ yrs.

New Courses: B.A. Hons. Psychol., 2 yrs.; Geol. up to I.Sc.; Stats., for B.Sc. and M.Sc.

DIPLOMA COURSES. Postgrad. Dipl. in Museology (2 yrs.); Dipl. in Teaching (T.D.); 3 yr. Dipl. courses in Mech. Engin. (D.M.E.), Electr. Engin. (D.E.E.), Civil Engin. (D.C.E.), Textile Chem. (D.Tech.), Weaving Technol. (D.W.T.), Textile Technol.; 4-yr. Dipl. course in Archit. (D.A.).

TERMS. 1st term, mid-June (mid-July in Fac. of Soc. Work) to mid-Oct.; 2nd term, mid-Nov. to mid-March (mid-April in Facs. of Med. and Soc. Work).

RESIDENCE. All students must reside in hostels maintained or managed by the Univ., or in residences recognized by the Univ., or with parents or guardians within 10 miles of the Univ. Office. The Proctor and his assts. 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 Sansk. and Vedic Lit., it was transferred to the Univ.'s authority in 1951. Courses: Elementary (Pratham Kaksha); Advanced (Madhyam Kaksha); Special Pandit course (Uttam Kaksha).

STUDENTS. Total as at July 1952: 2941.

DEGREES CONFERRED at 1st Convocation, Oct. 1951. M.A., 4; B.A. (Hons.), 36; B.A. General, 6; M.Sc., 7; B.Sc., 48; M.Ed., 15; B.T., 50; B.Com., 39.

BIHAR UNIVERSITY

Founded 1952

Postal Address : Patna 5.

CHANCELLOR—RANGANATH RAMACHANDRA DIWAKAR, M.A., B.L.

VICE-CHANCELLOR—SYAMNANDAN SAHAYA, B.A., M.P.

TREASURER—.....

REGISTRAR—BISHWA MOHAN KUMAR SINHA, B.A. Lond., M.A., B.L.

FACULTIES AND DEANS—*Agric.*—S. ANWARULLAH, Ph.D. ; *Arts*—FAZLUR RAHMAN, M.A. Lond. ; *Comm.*—GIRIDHAR CHAKRAVARTY, M.A. ; *Engin.*—D. L. DESHPANDE, M.Sc. ; *Law*—KISHORE NARAYAN, M.A., B.L. ; *Med.*—GOPAL KRISHNA GHOSH, M.B., M.Sc. Lond. ; *Sci.*—AMARENDRA NARAYAN, M.Sc. ; *Vet. Sci.*—HANS RAJ KAPUR.

CONTROLLER OF EXAMINATIONS—.....

INSPECTORS OF COLLEGES—.....

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. Principal—J. Mishra, M.A., D.Phil. ; 68 other teachers.

MUZAFFARPUR, *Langat Singh College*. Provides Master's Courses and Hons. Courses in Engl., Hindi, Hist., Econ. and Maths. ; Hons. Courses in Persian, Sansk. and Philos. ; B.A. Pass and also B.Sc. in Maths., Phys. and Chem. Principal—F. Rahman, B.M. Lond. ; 59 other teachers.

RANCHI, *Ranchi College*. Provides Master's Courses in Hindi and Hist. ; Hons. Courses in Hist., Econ. and Hindi ; B.A. Pass and I.Sc. Principal—J. Prasad, B.A., M.Sc. Camb. ; 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. and Hindi ; Pass Courses in Hindi and Urdu Compositions, Sansk., Persian, Principal Hindi and Principal Urdu, Hist., Econ., Politics, Maths., Philos. and Geog. ; B.Com. and I.Sc. in Phys., Chem., Maths. and Biol. Principal—B. B. Majumdar, M.A., Ph.D. ; 49 other teachers.

AURANGABAD, *Sachchidananda Sinha College*. Provides Pass Courses in Vernacular Composition (Hindi and Urdu), Principal Hindi and Principal Urdu, Hist., Philos., Econ. and Maths. ; I.Com. Principal—B. N. Madhava, M.A. ; 17 other teachers.

BEGUSARAI, *Ganesh Dutta College*. Provides Hons. Course in Hindi ; Pass Course in Vernacular Composition (Hindi and Urdu), Principal Hindi, Hist., Sansk., Philos., Econ. and Maths. ; I.Com. Principal—Giridhar Chakravarty, M.A. ; 22 other teachers.

BHAGALPUR, *Marwari College*. Provides teaching up to B.Com. standard. Principal—Bholanath Mukherjee, M.A. ; 20 other teachers.

BHAGALPUR, *Sundarvati Mahila Mahavidyalaya*. Provides Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali), Principal Hindi, Principal Bengali, Hist., Dom. Sci., Philos., Econ. Principal—Mrs. Sharda Devi Vedalankar, M.A. ; 9 other teachers.

BHAGALPUR, *Tej Narain Jubilee College*. Provides Hons. Courses in Engl., Hindi, Sansk., Econ., Philos., Hist. and Maths. ; B.A. Pass and B.Sc. in Phys., Chem., Maths., Bot. and Zool. Principal—J. Mishra, M.A., D.Phil. ; 68 other teachers.

BIHARSHARIF, *Nalanda College*. Provides Pass Courses in Vernacular Composition (Hindi and Urdu), Sansk., Pali, Principal Hindi and Principal Urdu, Persian, Hist., Econ., Pol. Sci., Maths., Philos. and Geog. ; I.Sc. in Phys., Chem. and Maths. Principal—J. L. Sharma, D.Sc. ; 26 other teachers.

CHAPRA, *Rajendra College*. Provides Pass Courses in Vernacular Composition (Hindi, Urdu and Bengali), Sansk., Persian, Principal Hindi and Principal Urdu, Hist., Econ., 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 and Urdu ; 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—Kumar Nath Banerjee, M.Sc. ; 61 other teachers.

GAYA, *Gaya College*. Provides Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali), Persian, Sansk., Principal Hindi & Principal Urdu, Hist., Econ., Geog., Maths. and Philos. ; B.Com. and I.Sc. Principal—Amarendra Narayan, M.Sc. ; 51 other teachers.

HAZARIBAGH, *St. Columba's College*. Provides Hons. Courses in Engl., Econ. and Hist. ; Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali) ; Sansk., Persian, Principal Hindi, Maths., Hist., Philos. and Econ. ; B.Sc. in Phys., Chem. and Maths. Principal—A. F. Markham, M.A. Oxon. ; 22 other teachers.

KHAGARIA, *Koshi College*. Provides Pass Courses in Vernacular (Hindi, Urdu & Bengali), Sansk., Principal Hindi, Persian, Hist., Philos., Maths. and Econ. Principal—Ishwara Datta, Ph.D. ; 14 other teachers.

MADHUBANI, *Ram Krishna College*. Provides Pass Courses in Vernacular Composition (Hindi & Urdu), Principal Hindi & Urdu, Sansk., Maithili, Persian, Hist., Maths., Econ., Philos. and Geog. ; I.Com. Principal—Arun Kumar Dutta, M.A. ; 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), Hist., Pol. Sci., Philos. and Maths. ; B.Com. Principal—Satyendra Kumar Datta, M.A. ; 26 other teachers.

MOTIHARI, *Munshi Singh College*. Provides Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali), Principal Hindi & Urdu, Philos., Hist.,

Econ. and Maths. Principal—Keshava Prasad Singh, M.Sc. ; 16 other teachers.

MUZAFFARPUR, *Darshan Das Mahila College*. Provides Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali), Sansk., Principal Hindi, Urdu & Bengali, Hist., Econ. and Philos. Principal—Atulananda Sen, M.A. ; 10 other teachers.

MUZAFFARPUR, *Ramdayalu Singh College*. Provides Pass Courses in Vernacular Composition (Hindi & Urdu), Hist., Econ., Maths., Philos., Sansk., Persian, Principal Hindi, Pol. Sci. and Maithili ; I.Com. Principal—Gaya Prasad Sing, M.A. ; 28 other teachers.

RANCHI, *St. Xavier's College*. Provides Hons. Courses in Engl., Hindi & Maths. ; Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali), Sansk., Persian, Principal Hindi & Urdu, Hist., Econ. and Geog. ; B.Sc. Hons. in Maths. ; Pass Course in Phys., Chem., Geol. & Maths. ; B.Com. Principal—Rev. A. Schockaert, Ph.D. ; 32 other teachers.

SIWAN, *D.A.V. College*. Provides Pass Courses in Vernacular Composition (Hindi, Urdu & Bengali), Sansk., Persian, Principal Hindi, Hist., Econ., Pol. Sci., Philos. and Maths. ; I.Com. Principal—Munishwaranand Giri, M.A. ; 15 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. ; 6 other teachers.

KHUSRUPUR, *Madan Mohan Malviya College*. Principal—Shivanand Prasad, M.A. ; 10 other teachers.

PURNEA, *Purnea College*. Principal—J. P. Jha Dwij, M.A. ; 17 other teachers.

PURULIA, *J.K. College*. Principal—B. C. Mukherjee, M.A. ; 10 other teachers.

RANCHI, *Ranchi Women's College*. Principal—Mrs. Bhanumathy Prasad, M.A. ; 10 other teachers.

SAMASTIPUR, *Samastipur College*. Principal—C. S. Kesari, M.A. ; 8 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

DARBHANGA, *C.M. College*. B.L. Course. Principal—K. N. Banerji ; 3 other teachers.

DARBHANGA, *Medical College*. M.B., B.S. Course. Principal—G. K. Ghosh, M.B., M.Sc. Lond. ; 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—S. Anwarullah, 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 (about 25 to 35 members) is the chief Academic body of the Univ.

FACULTIES AND DEANS. V. p. 1153. 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 to 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.

Telephone : Bombay 31079.

CHANCELLOR—H.E. THE GOVERNOR OF BOMBAY.

VICE-CHANCELLOR AND CHAIRMAN OF THE SYNDICATE—Sir NAVROJI
JEHANGIR WADIA, B.A. Bom. and Camb.

REGISTRAR—S. R. DONGERKERY, B.A., LL.B.

LIBRARIAN—D. N. MARSHALL, M.A., Dip.Lib.

UNIVERSITY TEACHING STAFF

Agricultural Economics

Dantwala, M. L., M.A. Reader.

Lecturers

Desai, M. B., M.Com., Ph.D.

Naik, K. N., M.A., Ph.D.

Chemical Technology

Venkataraman, K., M.A. Madr.,

D.Sc., Ph.D., M.Sc. Tech.

Manc., F.R.I.C., F.N.I.

Mody Prof.†

Shah, K. H., B.Sc. (Tech.), Ph.D.

Res. Asst.

Khandwala, R. M., B.Sc., B.Sc.

(Tech.) Singhanee Demr.

Kedare, B. S., M.Sc., B.Sc. (Tech.)

Demr.

Chemistry, Colour

Dikshit, V. K., M.S. Brooklyn,

B.Sc. (Tech.) Reader.

Ghaisas, V. V., B.Sc., B.Sc. (Tech.)

Demr.

Chemistry, Inorganic and Physico-chemical

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.

Bagli, J. F., B.Sc., B.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.

Tawde, G. P., B.Sc., B.Sc. (Tech.)

Demr.

Civics and Politics

Mukerji, K. P., M.A., B.L. Calc.,

D.Phil. Heidel.

Sir Phirozeshah Mehta

Prof.†

Pratapgiri, R., M.A.

Reader in Politics.

Dastur, Miss A. J., Ph.D.

Edwin Montague Lectr.

in Politics.

Dwarkadas, R., M.A. Madr.

Lectr. in Politics.

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

† Hd. of Univ. Dept.

Colour Physics

Padhye, M. R., M.Sc., Ph.D. Ban.
Singhanee Lectr.

Dyeing and Printing

Mhatre, S. H., Ph.D. Manc., M.Sc.
(Tech.), Ph.D., F.T.I. Reader.

Kothari, C. B., B.Sc., B.Sc. (Tech.)
Tech. Asst.

Bengari, R. H., B.Sc., B.Sc.
(Tech.) Demr.

Tawde, G. P., 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.

..... Singhanee Lectr.

Agashikar, B. M., B.Sc., B.Sc.
(Tech.) Singhanee Demr.

Kantan, S. 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.

Dhungat, S. B., B.Sc., B.Sc.
(Tech.) Temp. Demr.

Fuel Technology

Tendolkar, G. S., Ph.D. Sheff.,
B.Sc. (Tech.) 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.

Pharmacy

Vangikar, Miss Manik B., 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 P. H., Ph.D.
Lectr.

Statistics

Chakrabarti, M. C., M.Sc. Dacca
Reader.*

Lecturers

Rao, K. S., M.A. And.
Kshirsagar, A. M., M.Sc.

Demonstrators

Vagholkar, M. K., M.Sc.
Tamhankar, M. N., M.Sc.

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. Soares, B.A. Manager, Univ. Journal : K. S. Kolge, B.A.

CONSTITUENT INSTITUTIONS

The UNIVERSITY SCHOOL OF ECONOMICS AND SOCIOLOGY, Fort, Bombay 1. (*Telephone* : 24622.) 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.

UNIVERSITY DEPARTMENT OF CHEMICAL TECHNOLOGY, Matunga, Bombay 19. (*Telephone* : 61308.) Offers courses for B.Sc. (Tech.) in subjects mentioned on p. 1164, 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.

UNIVERSITY DEPARTMENT OF STATISTICS, 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.A. Dacca.

AFFILIATED COLLEGES*

(*Note*.—Colleges are affiliated for teaching courses of studies leading to the various degree examns. The Univ. is directly responsible for postgrad. teaching and res. The teaching is done and res. conducted directly through the Univ. Depts. and indirectly through recognized Univ. Teachers in affiliated coll. and postgrad. instns.)

SCIENCE COLLEGE

BOMBAY, *The Institute of Science* (Govt.), Fort. (*Telephone* : 25863.) In Science for B.Sc. Principal—M. Prasad, D.Sc., F.R.I.C., F.N.I. 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*, Nair, 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. 27 other Profs. and Lectrs.

BOMBAY, *Elphinstone College* (Govt.), Fort. (*Telephone* : 24953.) In Arts for B.A. ; in Sci. to Inter. Sci. Principal—N. L. Ahmad, M.A., B.Litt. Oxon.

* A number of Colls. previously affiliated are now under the jurisdiction of the Univs. of Poona, Karnatak, Baroda and Gujarat.

Other Profs. : *Engl.*—L. Rodrigues, M.A. ; Miss H. J. Shroff, M.A. ; M. V. Rajadhyaksha, M.A. ; Mrs. Kamal Wood, M.A., B.Litt. Oxon. *French*—S. P. Taraporwala, M.A., LL.B. *Sansk.*—R. P. Kangle, M.A. ; N. J. Shende, Ph.D. *Chem.*—C. L. Mankodi, B.A., M.Sc. *Gujarati*—K. B. Vyas, M.A. *German*—R. V. Parajpe, M.A., D.Phil. Munich. *Physics*—M. R. Kapadia, M.Sc. *Biology*—R. E. Cooper, M.Sc. *Logic and Philosophy*—J. N. Chubb, D.Phil. Oxon. ; G. N. Mathrani, M.A. Camb., Dip.Ed. Leeds. *Maths.*—G. V. Bhagwat, M.A. *Hist. and Econ.*—K. T. Merchant, B.Sc. Lond., M.A., LL.B. ; H. K. Paranjpe, M.A. ; B. K. Apte, M.A. ; J. P. De Souza, M.A. *Statistics*—V. B. Kamath, B.Sc. Lond., M.Sc. *Marathi*—M. A. Karandikar, Ph.D. 43 others.

BOMBAY, *Government Law College*, Fort. Principal—S. G. Chitale, M.A., LL.B. 13 other Profs. and Lectrs.

BOMBAY, *Grant Medical College* (Govt.), Byculla. (*Telegrams* : Medical. *Telephone* : 70922.) In Med. for M.B., B.Sc. 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. Shiroadkar, M.D., F.R.C.S. *Surg.*—V. L. Parmar, F.R.C.S. *Ophth.*—V. K. Chitnis, D.O. *Anæsthesia*—S. G. Talwalkar, D.A. *Phys.*—D. M. Telang, B.Sc., M.D. *Operative Surg.*—S. J. Mehta, F.R.C.S. *Anat.*—P. S. Dastur, M.S. *Pathology*—H. I. Jhala, M.D. *Forensic Med.*—H. S. Mehta, M.S. ; 2 Assoc. Profs., 6 Full-time Lectrs., 11 Lectrs., 37 Tutors, 16 Full-time Jr.-Lectrs., 6 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. 62 other Profs., Lectrs. and Demrs.

BOMBAY, *Khalsa College*, Matunga. (*Telephone* : 60534.) In Arts for B.A. and in Sci. for B.Sc. Founded by Sikhs and managed by Shiromani Gurdwara Parbandhak Cttee. of Amritsar, East Panjab. Principal—D. S. Sodhi, M.A. Mich. 37 Profs. and Lectrs.

BOMBAY, *Ramnarain Ruia College*, Matunga. (*Telephone* : 60298.) In Arts for B.A. and T.D., and in Science for B.Sc. Under the control of Shikowan Prasarak Mandali, Poona. Principal—N. N. Murti, B.A., Ph.D. Lond., D.I.C. Profs. : *Zoology*—N. N. Murti. *Maths.*—B. Y. Oke ; K. V. Nayak. *Physics*—B. B. Deshpande ; R. D. Gupte. *Chem.*—B. V. Mohile ; V. M. Bhawe. *Guj.*—A. B. Yajnik ; D. P. Parekh. *Marathi*—N. R. Phatak ; D. K. Kelkar. *Sanskrit*—R. R. Deshpande ; Mrs. Indira Nalin. *French*—V. G. Hatakar. *Hindi*—J. C. Jain. *Educn.*—R. W. Joshi. *History*—V. D. Rao. *Economics*—G. D. Parikh. *English*—V. H. Kulkarni ; V. T. Yardi. *Philosophy*—N. V. Joshi ; S. V. Pandit. *Botany*—V. S. Rao. 26 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. In Commerce for B.Com. Principal—L. N. Welingkar, B.Sc. (Econ.) Lond. Other Profs. : *Commerce*—G. L. Maini, M.Com. ; S. A. Sherlekar, B.Sc., M.A. Agra, M.Com. *Econ.*—M. R. Palande, M.A. *Acctcy.*—V. B. Kirtane, B.Sc., LL.B. *Engl.*—J. G. Pethe, M.A., B.T. ; P. M. Tole, M.A. *Actuarial Sci.*—D. D. Markan, B.Sc. *Indian Cotton Indust.*—R. N. Paropkari, M.A., B.Com. *Maths.*—U. U. Bhat, M.A. *Law*—N. K. Desai, B.A., LL.B. ; P. G. Kher, B.A., LL.B. 14 other Lectrs.

BOMBAY, *Rishi Dayaram and Seth Hassaram National College and Seth Wassiamull Assomull Science College*, Bandra. In Arts for B.A., and in Sci. for B.Sc. Principal—K. M. Kundanani, M.Sc. 47 other teachers.

BOMBAY, *Ruparel College*, Dadar West. Under control of Modern Educn. Soc., Poona. In Arts to Inter. Arts and in Sci. to Inter. Sci. Principal—C. B. Joshi, B.A. Camb., M.A.

BOMBAY, *St. Xavier's College*, Cruickshank Rd. (Telephone : 21247.) In Arts for B.A. and T.D. and in Sci. for B.Sc. Principal—Rev. M. M. Balaguer, D.D., Ph.D. Lond. Profs. : *Philos.*—Rev. M. M. Balaguer, D.D., Ph.D. Lond. *Marathi and Pali*—N. K. Bhagwat, M.A. *English*—M. F. Colaco, M.A., LL.B. *French*—Rev. J. Duhr, Ph.D., D.D. *Sanskrit*—Rev. A. Esteller, M.A., Ph.D., D.Phil. *Sociol.*—Rev. P. Gisbert, Ph.D., S.T.L., B.A., Lic. Phil. et Lit., Ph.D. (Sociol.). *Hist.*—Rev. H. Hereas, M.A. *Latin*—Rev. J. Humbert, B.A. Lond. *Gujarati*—M. M. Jhaveri, M.A. *Hindi*—S. S. Naithani, M.A. *Persian and Urdu*—S. M. Sayeed Reza. *Econs. and Politics*—Rev. J. Sanmarti, Ph.D., B.Sc. (Econ.), Ph.D. (Econ.) Lond. *Educn.*—Rev. A. Solagran, M.A., Ph.D. *Maths.*—Rev. L. Vion, L. ès Sci. Paris. *Microbiol.*—J. V. Bhat, M.Sc., Ph.D. *Caius Research Lab.*—Col. S. S. Bhatnagar, M.D., Ph.D., F.R.C.P. *Chem.*—Rev. J. M. Corbella, M.Sc. M.I.T., D.L. Dub., B.Sc. (Engin.), B.Sc. (Textile), B.A. Barcelona. *Geol.*—A. S. Kalapesi, B.A., B.Sc., Ph.D. Lond., D.I.C. *Zool.*—D. M. Munshi, M.Sc., F.L.S. *Phys.*—Rev. R. Fafael, Ph.D., D.D., D.Sc. *Bot.*—Rev. H. Santapau, B.Sc., Ph.D. Lond., D.I.C., F.L.S. 22 other Profs., 6 Asst. Profs., 21 Lectrs., 1 Tutor, 35 Demrs. and 20 Fellows.

BOMBAY, *Secondary Training College* (Govt.), Cruickshank Rd. (Telephone : 31390.) Trains graduates in Arts and Science for B.T. Principal—Miss S. Panandikar, M.Litt. Camb., M.A., Teacher's Dipl. Lond. 9 other Profs. and Lectrs.

BOMBAY, *Seth G.S. Medical College* (Munic.), Parel. (Telephone : 60497.) In Medicine for M.B., B.S. Dean—R. G. Dhayagude, M.D. Asst. Dean—V. V. Jadhav, M.B., B.S. Profs. : *Anat.*—G. M. Kurulkar, M.B., B.S. *Physiol.*—K. C. Bathwalla, M.B., B.S., Ph.D. *Pathology and Bacteriology*—N. M. Purandare, M.D. 5 Asst. Profs., 1 Asst. Clin. Pathologist, 47 Lectrs. and Hon. Lectrs.

BOMBAY, *Siddharth College*, Albert Bldg., Fort. (Telephone : 34897.) Under the control of the People's Education Soc. Chairman of Soc.—B. R. Ambedkar, Ph.D. Col., D.Sc. (Econ.) Lond., M.A. In Arts for B.A. and in Sci. for B.Sc. Principal—V. S. Patankar, M.Sc., Ph.D. Vice-Principal—H. R. Karnik, M.A., Ph.D. 48 other Profs. and Lectrs.

BOMBAY, *Sir Currimbhoy Ebrahim Memorial Dental College* (Govt.), Byculla. (Telephone : 71103.) In Medicine for B.D.S. Principal—D. P. Sethna, F.R.C.S. Ed. Profs. of Dentistry—H. P. Moolgaonkar, M.B., B.S., F.D.S.R.C.S., and K. L. Shourie, B.Sc., M.B., B.S., M.D.S. Panj., M.Sc. Madr., Ph.D. Rochester. 14 other Teachers.

BOMBAY, *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. 20 other 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, M.A., D.Sc. (Econ.) Lond. Other Profs. : *Accountancy*—P. C. Hansotia, B.Com., F.S.A.A. *Business Orgn. and Cotton Econ.*—E. R. Dhongde, B.A., B.Sc. (Econ.) Lond. *Econ. of Transport*—P. S. Rege, B.A., B.Sc. (Econ.)

Lond. *Mercantile Law*—U. V. Desai, M.A., LL.B. *Mod. Econ. Developmt. and Admin.*—V. C. Shah, M.Com. 26 other Lectrs. and Instrs.

BOMBAY, *Topiwala National Medical College* (Munic.), Byculla. (Telephone: 47883.) In Med. for M.B., B.S. Dean—S. G. Vengsarkar, M.D. 52 other Teachers.

BOMBAY, *Veterinary College* (Govt.), Parel. (Telephone: 61180.) In Technology for B.Sc. (Vet.). Principal—S. R. Chadha, B.Sc. Panj. Other Profs.: *Pathology*—K. R. S. Aiyar. *Animal Husbandry*—F. S. Khambata, B.Ag., B.Sc. *Medicine*—S. P. Deshpande. 2 other Profs., 7 Asst. Profs. and 8 Lectrs.

BOMBAY, *V.J. Technical Institute*, Matunga. (Telephone: 60438; *Telegrams*: Vijetinst.) In Technology for Bachelor of Textiles, B.E. (Mech. and Elect.) and B.E. (Civil). Principal—P. N. Joshi, M.Sc. (Tech.) Other Profs.: *Textile Manufactures*—..... *Mech. Engin.*—B. Sengupta, B.Sc. (Eng.). *Elect. Engin.*—P. K. Kelkar, Ph.D. Liv. *Civil Engin.*—V. H. Acharya, B.Sc. Edin. 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. *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 Inter. Principal—G. C. Bannerjee, M.A. Oxon. 27 other Profs. and Lectrs.

GENERAL INFORMATION

Bombay University was established in 1857, but until the passing of the Indian Universities Act of 1904, the function of this University, in common with the others, was limited to examining candidates and arranging for the courses of study which led up to its degrees. Under the Act of 1904, it acquired the right of organizing teaching, arranging for Univ. extension lectures, and of publishing such works as were necessary for the direct educational work it was to carry on. By the Act of 1928, the constitution of the Univ. was considerably altered. By reducing the proportion of the nominated to the elected members in the Senate, and by throwing open the Senate to the representatives of a larger variety of interests, the Act of 1928 ensured the independence of the Univ. for all practical purposes, and made the Univ. a more popular and representative institution than it had been. Under the new Act, the executive functions of the Univ. are carried on by the Syndicate, and most of the academic work is looked after by the Academic Council.

One of the main ideas underlying the Univ. Act of 1928 is that the Univ. should directly conduct postgraduate teaching and res. in all branches of

learning. The Univ. has accordingly arranged for postgraduate instruction and research through its own depts. as well as through the teachers in affiliated colls. and recognized postgraduate institutions, recognized as Postgraduate Teachers of the Univ. The Univ. School of Economics and Sociology was started in 1919 with Prof. Patrick Geddes as the first Prof. The Univ. Dept. of Chemical Technology was established in 1934 with the help of donations from generous philanthropists. The Univ. Depts. of Statistics, and of Civics and Politics, started functioning during the year 1948-49. The Dept. of Civics and Politics formed part of the Sch. of Econ. and Sociol.

As far as undergraduate education is concerned, the Univ. is an affiliating Univ. Before the establishment of the Univ. of Sind and of regional Univs. in Bombay State, the jurisdiction of this Univ. extended over the whole of the former Province of Bombay and Sind. The Univ.'s jurisdiction is now confined to the limits of Greater Bombay, and the Univ. is to be reconstituted in the near future in view of the establishment of regional Univs. in Bombay State.

CONSTITUTION. The Senate is the supreme Governing Body of the Univ. The executive govt. is vested in the Syndicate. The other authorities of the Univ. are the Facs., the Bd. of Postgraduate Studies, and the Bds. of Studies in the various Facs. The Bd. of Postgraduate Studies controls the whole of instruction and res. in the Univ., including what is done in this direction in the Colls. affiliated to the Univ. and in other Postgraduate Institutions.

The Univ. Dept. of Chem. Technol. is located in its new bldgs. at Matunga, Bombay 19 (*Telephone* : 61308). The Sch. of Econ. and Sociol. (including the Dept. of Civics and Politics) and the Dept. of Statistics are housed in the S. Wing of the main Univ. bldgs.

INCOME (July 1, 1950, to June 30, 1951). Bombay Govt. Grant, Rs. 6,40,247 (20·35 per cent.); Central Govt. Grant, Rs. 1,30,865 (4·16 per cent.); Examn. Fees, Other Fees, etc., Rs. 16,13,623 (51·28 per cent.); Subscription and other sources, Rs. 4,47,776 (14·23 per cent.); Interest from Endowments, Rs. 3,14,217 (9·98 per cent.); total, Rs. 31,46,728.

FACULTIES AND DEANS. *Arts* (incl. Educn.), K. R. Gunjikar; *Comm.*, Sir Vithal N. Chandavarkar; *Law*, K. M. Jhaveri; *Med.*, Dr. B. D. Patwardhan; *Science*, Prof. B. B. Deshpande; *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 S.S.C. Examn. of the S.S.C. Examn. Bd., Bombay State (if passed in prescribed subjects with 35 per cent. marks in each subject), the Matricn. Examn. of any statutory Univ. in the Indian Union, or an Examn. recognized as equivalent to the Entrance Examn. (A list of recognized Examns. is published in the *Handbook*, Pt. II.)

The following overseas qualifns. are recognized for the purpose of entrance : Oxford and Cambridge School Certif., Matricn. Certif. of South African Jt. Matricn. Bd. (if examn. passed with English, an additional lang., hist. or geog., maths., and one other subject, or if passed in any five or more subjects but with credits in at least four of them at the same examn.), London Univ. Matricn. Certif. (if examn. passed in English, an additional lang., hist. or geog., maths. and one other subject, or if passed in First or Second Div.), Rangoon Univ. Matricn. Certif. Overseas qualifns. not included in the reglns. will be considered on their merits.

Admission to Univ. courses of study for the Bachelor's degrees in Engin. and Med. is granted only to those who have passed the Univ. Inter. Sci. Examn. or other equivalent examn. of a recognized Univ. or Bd. in specified groups of

subjects. The minimum qualifn. for admission to the LL.B. degree course is the passing of the Inter. Arts or Comm. Examn. or a degree examn. in any other Fac. of the Univ. or equivalent examns. of another Univ. Admission to courses of study for higher degrees is granted, under certain conditions, to graduates of this, or of any other recognized, Univ.

The usual language of instruction is English.

DEGREES AND DEGREE COURSES. B.A. (General) and (Special); B.T.; B.Sc.; B.E. (Civil) and B.E. (Mechanical and Electrical); B.Sc. (Agric.); B.Sc. (Tech.) in the following branches: (1) Textile Chem., (2) Chem. Engin., (3) Food Technol., (4) Technol. of Intermediates and Dyes, (5) Technol. of Plastics, (6) Technol. of Pigments, Paints and Varnishes, (7) Technol. of Oils, Fats and Waxes, (8) Technol. of Pharmaceuticals and Fine Chemicals; B.Text.; B.Sc. (Vet.); B.Chem.Eng.; B.Arch.; I.L.B.; M.B., B.S.; B.D.S.; B.Sc. (Medical); B.Com.

HIGHER DEGREES. M.A.; M.Ed.; M.Sc.; M.E. (Civil, Mech. or Electr.); M.Sc. (Tech.); M.Sc. (Agric.); LL.M.; M.D.; M.S.; D.Hy.; M.Sc. (Medical); Ph.D.; D.Litt.; D.Sc.

DIPLOMAS. Dipl. in Teaching (T.D.); Dipl. in Librarianship. *Postgraduate Medical Diplomas*—Dipl. in Public Health (D.P.H.); Dipl. in Ophthalmol. (D.O.); Dipl. in Anæsthesia (D.A.); Dipl. in Laryngol. and Otol. (D.L.O.); Dipl. in Medical Radiol. and Electrol. (D.M.R.E.); Dipl. in Pædiatrics (D.Ped.); Dipl. in Psychological Med. (D.P.M.); Dipl. in Venereol. and Dermatol. (D.V.D.); Dipl. in Tubercular Diseases (T.D.D.); Dipl. in Forensic Med. (D.F.M.).

RESEARCH. There are ample facilities for research. Teachers from affiliated colleges, where facilities for res. are available, are recognized for supervising students working for Univ. research degrees. The following institutions are recognized by the Univ. as Postgraduate Research Institutions, and certain members of their staffs have been recognized as Postgraduate Teachers of the Univ.: Indian Agricultural Research Inst., New Delhi; Indian Veterinary Research Inst., Izatnagar; Bharatiya Vidya Bhavan, Bombay 7; Indian Inst. of Science, Bangalore 3; Inst. of Plant Industry, Indore; Indian Dairy Research Inst., Bangalore; Tata Inst. of Fundamental Research, Apollo Pier Rd., Bombay 1; Anjuman-i-Islam Urdu Research Inst., Bombay 1; Indian Inst. of Education, Bombay 1; Haffkine Inst., Bombay 12; Tata Memorial Hospital, Bombay 12.

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 100,000 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. 32,000 vols., 400 theses in MSS. ; Univ. Dept. of Chem. Technol.—more than 9000 vols. in Engl. and German and about 160 periodicals ; Univ. Dept. of Stats.—approx. 1000 vols., as well as many important journals.

HOSPITALS AND LABS. RECOGNIZED BY THE UNIV. Hospls. and Labs. attached to Grant Medical Coll. ; Cama and Allbless Hospls. ; Bombay Municipal Lab. ; Gokuldas Tejpal Hosp. ; Hospls. and Labs. associated with Seth Gordhandas Sunderdas Med. Coll. ; Nowrosjee Wadia Maternity Hospl., Parel, Bombay ; Sir Currimbhoy Ebrahim Memorial Dental Hospl. ; Bai Jerbai Wadia Hospl. for Children, Parel, Bombay ; Haffkine Inst. ; Bai Yamunabai Nair Hospl. attached to Topiwala National Med. Coll. ; Sir Hurkisandas N. Hospl., Girgaum, Bombay ; St. George's Hospl.

STUDENT RESIDENCES. There are 2 Univ. Hostels with 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."

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 : 0 ; *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. ; *Bombay Univ. Bulletin* (3 times p.a.), Rs. 3 annually.

THE YEAR 1950-51

Report published of Cttee. apptd. by Govt. of Bombay to make recommendations for reorganization of the Univ. in view of establishment of regional Univs. in Bombay State. The Cttee. has recommended that Bombay Univ. should be a federal Univ. The Academic Council, Syndicate and Senate considered this Report and communicated their opinion thereon to the Govt. The Univ. is to be reconstituted in the near future.

BENEFACTIONS. Mane Satkar Samiti, Rs. 5502 for prize or scholp. to best candidate in S.S.C. Examn. ; Urdu Lit. Soc., St. Xavier's Coll., Bombay, Rs. 10,000 for gold medals, one to best candidate in Inter. Arts Examn. in Urdu, the other to best candidate in B.A. examn. in Urdu ; Mrs. Soonabai D. Master, Rs. 50,000 under trust for scholps. to best candidates in B.T., B.Sc., B.Sc. (Tech.) and T.D. examns.

NEW BUILDINGS. Extension of 1st floor of Dept. of Chem. Technol. and new workshop in dept.

NEW POSTS. Reader and Lectr. in Pol. ; Lectr. in Stats. ; Lectr. in Appl. Maths.

NEW DEGREE. 4-yr. course in Chem. Engin.

PRINCIPAL CHANGES IN REGULATIONS. Course of study for M.Ed. revised, by which degree can be taken by thesis or by examn. and dissertation. Courses for LL.B. revised.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. L. F. Fieser (Harv. U.), "Cholesterol and Cancer," and "Cortisone" ; Dr. A. C. Ewing, "Positivism" ; Prof. M. Dobb (Camb.), "Post-war Reconstruction in Soviet Russia."

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITIES. S. R. Dongerkery, Registrar, awarded Imperial Relations Trust Travelling Fellowship for study and investigation of working of British Univs., and spent one term in the U.K.

RESIGNATION. Prof. R. D. Desai (Dyestuff Technol.), apptd. Principal of L.D. Arts Coll. and M.G. Science Inst., Ahmedabad.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	20,114
Women	..	4,921
Total	..	25,035

Included in the above are 1899 postgraduate students and 6788 first-year admissions.

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In July 1854 the Court of Directors of the East India Company sent a despatch to the Governor-General of India in Council directing the organization of the Universities of Calcutta, Madras and Bombay. In pursuance of that despatch the University of Calcutta was incorporated on Jan. 24, 1857, for the purpose of "ascertaining, by means of examination, the persons who have acquired proficiency in different branches of Literature, Science and Art and rewarding them by Academical Degrees as evidence of their respective attainments and marks of honour proportioned thereunto." Modelled on the University of London, then a purely examining body, the functions of the University were limited to the conduct of examinations and the award of degrees. The jurisdiction of the University extended at first throughout practically the whole of northern India. But with the establishment of other Universities and partition of Bengal on account of recent political changes in India the territorial jurisdiction has now been limited to the State of West Bengal only, and further limited by the establishment of Visva-Bharati Univ. The West Bengal Secondary Educn. Bd. has taken over the Univ.'s control of management and examn. of about 1100 High Engl. Schools in W. Bengal.

In 1864 an Act was passed by which the Universities of Calcutta, Madras and Bombay were empowered to confer the honorary Degree of Doctor in the Faculty of Law.

In 1902 a Commission was appointed by Lord Curzon to examine the working of the Universities in India, and on their recommendation the Indian Universities Act of 1904 was passed, which came into force on Sept. 1, 1904. Under section 3 of Act VIII of 1904, the University became empowered, among other things, to make provision for the instruction of students, to appoint University Professors and Lecturers, to hold and manage educational endowments, to erect, equip and maintain University libraries, laboratories and museums, and to make regulations relating to residence and conduct of students. Though most of the teaching continued to be imparted in the affiliated colleges, teaching in some of the higher branches began to be organized under University management. Assisted by grants from the Imperial Government and by private benefactions, it was possible for the University to arrange for Postgraduate teaching and research from 1909. The organization of higher teaching and research was made by the Senate mainly on the initiative of the late Sir Asutosh Mookerjee, Vice-Chancellor from 1906 to 1914 and again from 1921 to 1923.

In 1917 a new scheme for Postgraduate teaching and research was brought into operation, providing for the centralization of Postgraduate teaching in Calcutta within, and under the control of, the University. The departments of Postgraduate teaching in Arts and Science were placed under two Councils, with two Executive Committees, responsible directly to the Senate. The

University now provides for Postgraduate teaching in: (1) English; (2) Sanskrit; (3) Pali; (4) Arabic; (5) Persian; (6) Hebrew; (7) Syriac; (8) Greek; (9) Latin; (10) French; (11) German; (12) Modern Indian Languages, Bengali, Hindi, Urdu, Assamese, Oriya; (13) Comparative Philol.; (14) Mental and Moral Philos.; (15) History (including Ancient Indian History and Culture and Islamic History and Culture); (16) Economics; (17) Political Science; (18) Commerce; (19) Maths. (Pure and Applied); (20) Physics (Pure and Applied); (21) Chemistry (Pure and Applied); (22) Physiol.; (23) Botany; (24) Geol.; (25) Zool. and Comparative Anat.; (26) Psychol.; (27) Anthropol.; (28) Statistics; (29) Geography; (30) Applied Psychology; (31) Radio-Physics and Electronics; (32) Education.

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 Radiophys. have been provided in Postgrad. Sc. 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 studies are carried on in the University College of Science at 92 Upper Circular Road and 35 Ballygunge Circular Road, where opportunities for research have been provided by the establishment of extensive Laboratories and an up-to-date Workshop. This has been possible mainly through the generosity of the late Sir Taraknath Palit, D.L., the late Sir Rashbehary Ghose, C.S.I., M.A., D.L., Ph.D., and the late Raja of Khairā. 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 Durbhanga LIBRARY with Law College, Hostel, and Univ. offices, the Univ. Press, the Asutosh Building for postgraduate classes in Arts, postgraduate offices and the Univ. library, three buildings for the teaching of Postgraduate Science courses at 92 Upper Circular Road and 35 Ballyganj Circular Road. LABORATORIES (in Univ. Coll. of Science): Phys. and Chem. (Pure and Applied), Applied Maths., Psych., Applied Psychol., Biol., etc. Inst. of Nuclear Physics. MUSEUMS: Asutosh Museum of Indian Art (including Art collections of the late Mr. Puranchand Nahar) and Museums attached to the Anthropological and Commercial sections of the Univ. The University Press is accommodated in a separate building 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.

FACULTIES AND DEANS. *Arts*, S. K. Banerjee, M.A., LL.B., Ph.D.; *Engin.*, S. R. Sen Gupta, B.Sc., Ph.D. Glas.; *Law*, Hon. Justice S. N. Banerjee, M.Sc., LL.B.; *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.

DEGREES. B.A., M.A., D.Litt., D.Phil. (Arts); B.Sc., M.Sc., D.Phil. (Science), D.Sc.; B.E., B.Met., D.Sc. (Engin.); B.Arch. (Bachelor of Architecture); M.P. (Master of Planning); M.Arch. (Master of Architecture); B.Com.; B.T.; LL.B., LL.M., LL.D., M.B., B.S.; Bachelor's Degree in Nursing, M.D., M.S., M.O., M.Sc. (Public Health Engin.), D.Sc. (Public Health).

DIPLOMAS AND CERTIFICATES. D.P.H.; D.O.M.S.; D.Sp.E. (Dipl. in Spoken Engl.); Dipls. in Dom. Sci. Trg., Obstet. and Gynæcol., Soc. Work (Labour Welfare), Soap Technol., Journalism, Maternity and Child Welfare, Librarianship, Tuberculous Dis., Dietetics, Indust. Health, Child Health, Town and Regional Planning, Langs. Certifs. in Tanning, Military Studies, Appl. Psychol., Langs.

INCOME (1951-52). Total income—Rs. 46,34,099. Principal sources—Govt. grant—31 per cent., Examn. fees—47 per cent., other fees—14 per cent.

DEPARTMENT OF TEACHING. 95 Russa Road, Calcutta. 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 varying 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 Jagadishchandra 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.). Biharlal 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. 70/- p.m. tenable for 1 yr.). In addition, numerous other scholarships, medals and prizes are awarded both for research work and on the results of examn. (b) Abroad—Sir R. B. Ghose Travelling Fellowships, 3 of the value of Rs. 4400 each, for Research or Investigation out of India for 1 yr.; Gurusprassanna Ghose, 1 annually, tenable for 3 yrs. in Japan (Rs. 1000) or in Europe or America (Rs. 2000) by Bengali Hindus; Palit (Rs. 1,00,000), for Research or Investigation out of India for 1 yr.; Radhikamohan, 1 (Rs. 1,50,000) Endowment, for advanced study abroad, tenable for 2 yrs. by Bengali Brahmins; founded by Prof. H. C. Mookerjee—(i) Lalchand Mookerjee Scholarships, Rs. 1,87,000 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 four classes of lodgings for students : (a) Collegiate Hostels ; (b) Non-collegiate Hostels under external management ; (c) Messes, attached or unattached ; (d) Private Lodgings. Licences to Hostels under class (a) are granted by the Syndicate, while licences to the remaining three classes of lodgings are granted by the Students' Residence Committee—a subordinate body under the Syndicate, consisting of six members appointed annually from among the Members of the Senate. Seat rents vary from Rs. 7 to Rs. 12 p.m. Messing charges from Rs. 55 to Rs. 75 p.m. 41 such Hostels exist with total accomm. for 2359 students. Of these 7 are for women only, having 266 places. All these are located in Calcutta.

STUDENTS' WELFARE. Principals of Colls. and specialists in physical educn. deal with all matters relating to the health of students. Students' Infirmary.

SPORTS BOARD. Organizes inter-college physical activities and sports.

STUDENTS' ADVISORY BOARD (OVERSEAS). The University has established a Board for the purpose : (a) of supplying students wishing to pursue their education abroad with all the information, advice and assistance which they may require ; (b) of supplying the foreign Univ. authorities with information regarding the students which will enable them to make their selections from the applications forwarded.

APPOINTMENTS AND INFORMATION BOARD. Scheme prepared by a former Vice-Chancellor, Dr. Syamaprasad Mookerjee, for finding careers in business and industry for Univ. graduates and undergraduates, with co-operation of business houses and different industrial concerns, adopted by Senate on Jan. 23, 1937. Its object is to provide these young men with opportunities and facilities for practical training and ultimately for starting independent careers of their own, in the different branches of Trade, Industry and Commerce. Rs. 36,000 were originally sanctioned by the Univ. for the purpose and an Appointments and Information Board has been established, which has now become a permanent department of the University, with a salaried Secretary who is in touch with the various industrial and commercial firms and maintains a Register of candidates, with details of their qualifications and careers, seeking benefit under the scheme.

INSTITUTE OF JUTE TECHNOLOGY. Established under auspices of this Univ. by the Indian Jute Mills Asscn., through the efforts of the Asscn. 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 Asscn. is an *ex-officio* member, will be financed by the Asscn. The Institute will train annually 50 Science grads. or undergrads. It has sought affiliation to the Univ. for B.Sc. (Tech.) classes 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 and Pakistan. The Univ. of Calcutta is the only training centre for the Government, both Central and States. The Scheme for starting an All India Institute of Social Welfare, where facilities for training both in general as well as industrial welfare will be provided, is now being finalized.

SPECIAL UNIVERSITY PROFESSORSHIPS, READERSHIPS AND LECTURESHIPS. Tagore Professorship in Law, Rs. 9000 ; Lady Brahmachari Readership

in Medicine, Rs. 2000; Tarinicharan Sur Readership in Nuclear Physics, Rs. 6000; S. N. Ghosh Lectureship in Comp. Religion, Rs. 9000; Kamala Lectureship in Indian Life and Thought, Rs. 2000 and a gold medal; also other lectureships.

SPECIAL LECTURES. With a view to promoting a desire for original investigation and research, eminent scholars from India and abroad are, from time to time, invited by the Univ. to deliver courses of lectures on subjects in which they have specialized. These lectures, after delivery, are printed and published by the Univ.

LIBRARIES. The University Library is under the management of the Library Executive Committee, subject to the general control of the Syndicate. It is for the use of Resident Fellows, Registered Graduates, Research Scholars, Readers, Professors, Lecturers, and students of Postgraduate classes, and Teachers of the Undergraduate classes of this University. It contains over 174,033 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 Library, there are other Libraries attached to the Univ., viz. Law College Library and Libraries of the Departments of Science.

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. 3-0; *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. 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 1950-51

BENEFACTIONS. Various donors. Rs. 10,636, for medals or scholps.

CHANGES IN REGULATIONS. New courses: inter. Agric.; dipl. in Indust. Health; degree in Archit.; B.Sc. and M.Sc. in Technol.; dipl. in Child Health.

NEW BUILDINGS. Some progress towards construction of Nuclear Phys. and Radiophys. and Electronics Bldgs.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. C. H. Waddington, Edin.; Dr. E. B. Ford, Oxon.; Prof. H. J. Muller, Indiana.

VISITS OF TEACHERS TO OTHER UNIVERSITIES. Prof. Stella Kramrisch and Prof. Suniti Kumar Chatterjee, Visiting Profs., Penn.

RESIGNATION OF VICE-CHANCELLOR AND NEW APPOINTMENT. C. C. Biswas, Vice-Chancellor, having resigned on appt. as Minister of State, Govt. of India, Justice S. N. Banerjee was apptd. Vice-Chancellor.

DEATHS. Sarat C. Bose, formerly Fellow; Dr. P. Niyogi, Principal of affiliated coll.; Prof. K. C. Bhattacharyya, former George V Prof. of Philos.; Abanindranath Tagore, former Fellow.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	52,178
Women	..	6,688
Total	..	58,866

Included in the above are 2497 postgraduate students and 19,277 new admissions.

DEGREES AND DIPLOMAS AWARDED. *Arts*: D.Litt., 3; D.Phil., 11; M.A., 572; B.A., 1145; B.Com., 1178; Dipl. in Librarianship, 8; B.T., 281. *Science*: D.Sc., 4; D.Phil., 19; M.Sc., 198; B.Sc., 1089; Dipl. in Appl. Psychol., 4; Dipl. in Soap Technol., 4. *Law*: LL.B., 198. *Med.*: M.A., 2; M.S., 3; M.O., 1; D.M.C.W., 5; D.G.O., 15; Dipl. in Dietetics, 6; D.O.M.S., 2; M.B., B.S., 487; D.P.H., 39. *Engin.*: B.E., 89; M.E. Pub. Health, 9.

UNIVERSITY OF DELHI †

Founded 1922

Postal Address : Delhi 8.

Telegraphic Address : University, Delhi.

Telephone : Delhi 5927-5929, 6478, 6497.

VISITOR—THE PRESIDENT, UNION OF REPUBLIC OF INDIA.

CHIEF RECTOR—THE CHIEF COMMISSIONER OF THE STATE OF DELHI.

CHANCELLOR—THE PRESIDENT, UNION OF THE REPUBLIC OF INDIA.

PRO-CHANCELLOR—.....

VICE-CHANCELLOR—S. N. SEN, M.A., Ph.D., D.Litt.

HON. TREASURER—M. S. BHATNAGAR.

REGISTRAR—T. P. S. IYER, M.A.

DEANS—*Agriculture and Forestry*—T. J. MIRCHANDANI, M.Sc., Ph.D. Lond. ; *Arts*—R. BEHARI, M.A., Ph.D., Sc.D. Camb. ; *Education*—A. N. BASU, M.A. Lond. ; *Law*—L. R. SIVASUBRAMANIAN, B.A., M.L. ; *Medical Sciences*—R. VISWANATHAN, B.A., M.D., T.D.D. ; *Science*—R. C. MAJUMDAR, Dr.Phil.Nat. Jena ; *Social Sciences*—V. K. R. V. RAO, M.A., Ph.D. Camb., D.Litt.

LIBRARIAN—S. DAS GUPTA, M.A.

APPOINTED (*) AND RECOGNIZED TEACHERS OF THE UNIVERSITY, for classes above Intermediate standard. Teachers other than those specifically named as Professors and Readers are Lecturers or other teachers of the University.

(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.) and (LI.) denote College of Nursing, Central College of Agriculture, Central Institute of Education, Delhi School of Economics, Delhi School of Social Work, Lady Hardinge Medical College and Lady Irwin College respectively.

<i>Agriculture</i>	Singh, S., M.Sc. (Ag.) Panj., Ph.D.
Mirchandani, T. J., M.Sc., Ph.D.	Corn. (CCA.).
Lond. Reader (CCA.).	Kathavate, Y. V., Ph.D. (CCA.).
Singh, J., Ph.D. Wales (CCA.).	Badola, J. R., B.Sc. (CCA.).
Rao, W. V. B. S., M.Sc., Ph.D.	Singh, G. (CCA.).
(CCA.).	

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

Randhawa, G. S., M.Sc. (Ag.)
 Panj., M.S.A. Tor., Ph.D.
 Mich. (CCA.).
 Gera, S. D., M.Sc. (CCA.).
 Mathur, K. S., B.Sc. (CCA.).
 Chowdhry, S. L., B.Sc., M.A. (CCA.).

Mehta, R. K., B.Sc. (CCA.).
 Iswaran, V., M.Sc. (CCA.).
 Pruthi, H. S., M.Sc. (CCA.).
 Chandra, R., B.Sc. (CCA.).
 Dureja, G. D., B.Sc. (CCA.).
 Seth, S. P., M.Sc. (CCA.).
 Sharma, G. R., B.Sc. (CCA.).
 Nirmalundu, M.Sc. (CCA.).
 Verma, R. D., B.Sc. Edin. (CCA.).

Ram, S., B.Sc. (CCA.).
 Lal, R., M.Sc., Ph.D. (CCA.).
 Chatterjee, S. N., M.Sc. (CCA.).
 Abasi, F. H., B.Sc., Ph.D. (CCA.).

Ramamunjam, S., B.Sc. (CCA.).
 Acharya, C. N., M.Sc., Ph.D. (CCA.).
 Gulati, K. C., M.Sc., Ph.D. (CCA.).

Anthropology

Biswas, P. C., M.Sc. Calc., Ph.D. Berl. Reader.*

Lecturers

Raj, Mrs. Hilda, M.A., L.T.*
 Mookerjee, Mrs. Freda, M.Sc., Ph.D.*

Arabic

Fariq, K. A., M.A., Ph.D. Alig. (D.).

Bengali

Choudhuri, N. N., M.A., Shastri Reader (R.).
 Chatterji, A., M.A. (D.).

Botany

Maheshwari, P., D.Sc. Prof.*

Readers

Chinoy, J. J., M.Sc., Ph.D., D.I.C.*
 Johri, B. M., D.Sc.*

Lecturers

Nanda, K. K., M.Sc., Ph.D. Bom.*
 Tandon, S. L., M.Sc.* (on leave).
 Narayanaswami, S., M.Sc.*
 Sanwal, B. D., M.Sc.*
 Mukherjee, S. K., D.Sc.*
 Venkatesh, C. S., M.Sc.*
 Singh, V. P., M.Sc.*
 Mitra, G. C., M.Sc., D.Phil.*
 Chowdhury, N. P., M.Sc.

*Research Assistant.**

Roy, S. K., M.Sc.*
 Das, B. K., M.Sc. (H.).
 Das, P., B.Sc., LL.B. (H.).
 Chand, C., M.Sc. (H.).
 Garg, O. P., M.Sc. Panj. (D.).
 Lall, S., M.Sc. (Nir.).
 Singh, S., M.Sc. (Nir.).
 Chopra, Mrs. Naima, M.Sc. Panj. (LI.).

Chemistry

Seshadri, T. R., M.A., Ph.D. Prof.*
 Bhatnagar, S. S., D.Sc., F.R.S. Hon. Prof.*
 Mitra, R. P., D.Sc. Prof.*
 Jain, B. D., Ph.D. Reader.*
 Mathur, K. B. L., D.Sc. Agra.*

Lecturers

Saharia, G. S., Ph.D.* (on leave).
 Jha, S. D., M.Sc. Alld.*
 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.*
 Narsimhachari, N., Ph.D.*
 Mathur, H. B., M.Sc.* (on leave).
 Gaur, H. C., M.Sc., Ph.D.*
 Varadarajan, S., M.Sc.*
 Gupta, S. R., M.Sc. Res. Asst.*
 Krishnamurthy, M., M.Sc. Res. Asst.*

Jain, A. C., M.Sc. Res. Asst.*
 Rajagopalan, D., M.Sc. Res. Asst.*

Aggarwal, A. L., M.Sc. Panj. H.).

- Sharma, B. K., M.Sc. (H.).
 Mehra, H. S., M.Sc. (H.).
 Jain, B. L., B.Sc. (H.).
 Narula, J. N., M.Sc. (R.).
 Suri, S. P., M.Sc. (D.).
 Kumria, R. L., M.Sc. (D.).
 Sehgal, J. M., M.Sc. Ban. (D.).
 Soni, P. L., M.Sc. Panj. (HR.).
 Multani, R. K., M.Sc. Panj. (HR.).
 Luthra, R. K., M.Sc. (Nir.).
 Seth, R. C., M.Sc. (Nir.).
 Mattoo, B. N., M.Sc. (Nir.).
 Puri, Vimla, M.Sc. Panj. (LI.).
 Chaudhuri, Miss A., M.Sc. Calc. (Pt.-time) (LI.).
 Bhatt, Mrs. Indra, M.Sc. Bom., M.Sc. Wis. (Pt.-time) (LI.).
Chinese Studies
 Chau Hsiang Kaung 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.).
 Ghose, P. K., M.Com. (R.).
 Bhattacharya, M. K., M.A. Calc. (D.).
 Maskin, B. S., M.A. (D.).
 Mathur, B. S., M.Com. (K.).
Economics
 Rao, V. K. R. V., M.A., Ph.D. Camb., D.Litt. Prof.*
 Ganguli, B. N., M.A., Ph.D. Calc. Prof.*
 Dhar, P. N., M.A. (on leave) Lectr.*
 Pant, N. K., M.Com. Lectr.*
 Patil, H. S., M.A. Res. Asst.*
 Nag, K. C., M.A. Calc. Reader (S.).
 Ray, N. C., M.A. Dacca (S.).
 Ghose, D. C., M.A., Ph.D. Panj., M.Sc. Lond. (S.).
 Sundharam, K. P. M., M.A. Madr. (S.).
 Bhatia, B. M., M.A. (H.).
 Mathur, K. P., M.A. (H.).
 Nag, S. P., M.A. (H.).
 Agarwal, A. N., M.A. Alld. (R.).
 Sehgal, B. R., M.A. Panj. (R.).
 Bhattacharya, K. N., M.A. (R.).
 Narain, R., M.A. (C.).
 Ghosh, A. B., M.A. (on leave) (C.).
 Andley, K. K., M.A. (C.).
 Rao, D. K., M.A. Madr. (on leave) (C.).
 Bhatnagar, S. K., M.A. Agra (C.).
 Chaudhuri, N. R., M.A. Dacca (D.).
 Krishna, R., M.A. (D.).
 Mark, I. R., M.A. Agra (D.).
 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.).
 Kausukutty, Miss C. K., M.A. Madr., L.T., M.Sc. Lond. (I.).
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Panjabi

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Kohli, S. S., M.A. Gyani (R.).
Kohli, S. S., M.A. Gyani (I.).
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Physics

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DELHI, *Deshbandhu College*, Kalkaji. Pre-medical, B.A. Principal—Harish Chandra, M.A.

DELHI, *Hindu College*, Kashmiri Gate. (Telephone: 6345.) Pre-medical, B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—A. Bhattacharyya, M.A.

DELHI, *Indraprastha College for Women*, Alipore Rd. (Telephone: 6253.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A. Principal—Miss B. Das Gupta, M.A.

DELHI, *Miranda House*, Univ. Enclave. (Telephone : 5927/15.) B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—Miss V. Thakurdas, M.A.

DELHI, *Nirmala College*, Qutab Rd. (Telephone : 45268.) Pre-medical, B.A., B.A. (Hons.), B.Sc., B.Sc. (Hons.), M.A., M.Sc. Principal—Rev. Fr. J. C. Choppesky, M.A.

DELHI, *Ramjas College*, Darya Ganj. (Telephone : 43515.) B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—B. B. Gupta, M.A.

DELHI, *St. Stephen's College*, Univ. Enclave. (Telephone : 5086.) B.A., B.Sc., B.A. (Hons.), B.Sc. (Hons.), M.A., M.Sc. Principal—D. Raja Ram, M.A.

DELHI, *S.G.T.B. Khalsa College*, Karol Bagh. B.A. (Pass), B.A. (Hons.), M.A. Principal—Sachdev Singh, M.A.

DELHI, *Shri Ram College of Commerce*, Darya Ganj. (Telephone : 44041.) B.A., B.A. (Hons.), M.A., B.Com., M.Com. Actg. Principal—J. N. Vaish, M.A.

NEW DELHI, *Central College of Agriculture*, Indian Agricultural Research Inst., Pusa Rd. (Telephone : 8876/1, 8563.) B.Sc. (Hons.) in Agric. Principal—T. J. Mirchandani, M.Sc., Ph.D.

NEW DELHI, *College of Nursing*, Jaswant Singh Rd. (Telephone : 7206.) B.Sc. (Hons.) in Nursing. Principal—Miss M. Craig, M.A.

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.

NEW DELHI, *Lady Hardinge Medical College*. (Telephone : 7201.) M.B., B.S. Principal—Carroll L. Birch, M.S.

NEW DELHI, *Lady Irwin College*, Sikandra Rd. (Telephone : 7747.) B.Sc. in Home Sc. Directress—Mrs. B. Tara Bai, M.A.

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 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 also 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 Vice-Chancellor is 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. R. C. Majumdar ; *Social Sciences*—Prof. V. K. R. Rao.

ADMISSION. Students are not eligible for admission to a degree course unless they have passed the Inter. Examn. of an Indian Univ. incorporated by any law for the time being in force, or the Higher Sec. Examn. of the Bd. of

Higher Sec. Educn. for Delhi Province, or an examn. recognized as equivalent, and also possess any further qualifn. required. Candidates for admission must be 16 or, if admitted to the 2nd yr. of a degree course, 17 yrs. of age.

DEGREES. B.A. Pass, and Hons.; M.Lib.Sc., M.A.; B.Com.; M.Com.; B.Sc. Pass and Hons.; B.Sc. (Hons.) in Nursing; B.Sc. (Home Sci.); M.Sc.; LL.B.; B.C.L. (Hons. Course); LL.M., LL.D.; B.Ed.; M.Ed.; B.Sc. (Hons.) in Agric.; M.B., B.S.; Ph.D.

DIPLOMAS AND CERTIFICATES. 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.).

FEES. Minimum tuition fees payable for 12 mos.: Undergraduate courses, Rs. 15 p.m.; postgraduate courses, Rs. 18 p.m. Fees for residence and cost of living vary from Rs. 60 to Rs. 75 p.m.

ENGLISH is the medium of instruction in the Univ. for all degree courses except in the Modern Indian Langs. Course, where the Lang. concerned is used.

NON-MEMBERS OF THE UNIV. The Dean of a Fac. may permit a non-member of the Univ. to attend one or more courses of Univ. lectures or practicals on payment of the prescribed fees.

SCHOLARSHIPS AND FELLOWSHIPS. Entrance scholps. of Rs. 100 p.m. each, instituted under the All India Scheme, awarded annually on the result of competitive examination. 6 postgraduate scholps. of Rs. 100 p.m. and 3 res. fellowships of Rs. 175 p.m., instituted under the All India Scheme.

In addition, the Univ. awards a number of other scholps. to Hons. and postgraduate students: (a) 6 Univ. entrance scholps. of Rs. 25 p.m., tenable for 3 yrs. in the Hons. classes in the Univ. (b) 4 Univ. scholps. of Rs. 30 p.m., tenable for 2 yrs. in M.A. classes on result of B.A. Hons. examn. (c) 4 Univ. scholps. of Rs. 30 p.m., tenable for 2 yrs. in M.Sc. classes on result of B.Sc. Hons. examn. (d) 3 scholps. of Rs. 30 p.m. in Fac. of Law, each tenable for 1 yr. 2 Sizarships are awarded for 1 yr., under certain conditions, to the best Hindu Khatri student studying in the first yr. of the 3-yr. degree course. Rai Bahadur Brijmohanlal Sudhi Memorial Scholp. of value of Rs. 25 p.m., awarded for 2 yrs. to the best student studying Physics for M.Sc. degree.

LIBRARIES. Central Univ. Library, 60,774 vols., apart from books in departmental libraries. Libraries of constituent colls., more than 144,010 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.

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 1950-51

DONATION. Rs. 18,000 for Delhi Sch. of Econ.

NEW BUILDINGS. Extension to Biol. Block. Completion of bldgs. for Vallabhbhai Patel Chest Inst., including residence for the Dir. and other staff.

NEW COURSES. Foreign Lang. Course (1 yr.) in French, German, Italian ; B.Sc. (Hons.) Course in Zool. ; B.A. (Hons.) Course in Pol. Sci.

PRINCIPAL CHANGES IN REGULATIONS. M.A. examn. will include 8 papers instead of 6 from 1953. Compulsory test in Simple Hindi introduced for all undergrad. students admitted after July 1952.

VISITS BY MEMBERS OF STAFF OF OTHER UNIVERSITIES. Dr. C. A. De Young, Illinois State Normal Univ., Jan. to Aug. 1951 ; Prof. L. C. Cha, since March 1950 ; Dr. J. B. Condliffe, Calif., Nov. to Dec. 1950 ; Maurice Dobb, Camb., Jan. to March 1951 ; Prof. C. Regamey, Fribourg and Lausanne ; Dr. A. C. Swing, Camb. ; Prof. G. P. Conger, Minn. ; Dr. R. A. Schilpp, Northwestern ; Dr. A. Alsodorf, Hamburg ; Prof. P. M. S. Blackett, Manc. ; Prof. F. S. C. Northrop, Yale.

HONORARY DEGREES. *D.C.L.*—Dr. Rajendra Prasad, Chancellor ; Alladi Krishnaswami Aiyer. *D.Litt.*—H.E. Ting-Si-Lin ; Dr. Fung Yu-Lan ; Sir Girja Shankar Bajpai ; Dr. Tara Chand ; Mrs. Eleanor Roosevelt.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	538	5272
Women	15	1722
Total	553	6994

Included in the above are 1596 postgraduate students and 1638 new admissions.

DEGREES (Dec. 1950). B.Sc. (Hons.) in Agric., 10 ; B.A. Pass, 282 ; B.A. Hons., 162 ; M.A., 119 ; Ph.D., 1 ; B.T., 50 ; M.Ed., 15 ; LL.B., 117 ; B.C.L., 4 ; LL.M., 2 ; M.B., B.S., 18 ; B.Sc. Pass, 75 ; B.Sc. Hons., 74 ; B.Sc. (Hons.) in Nursing, 4 ; M.Sc., 24.

UNIVERSITY OF GAUHATI

Founded 1948

Postal Address : Gauhati, Assam.

Telegrams : University Gauhati.

Telephone : Gauhati 101.

CHANCELLOR—THE GOVERNOR OF ASSAM.

VICE-CHANCELLOR AND CHAIRMAN OF THE EXECUTIVE COUNCIL—Prof.
KRISHNA KANTA HANDIQUI, M.A. Calc. and Oxon.

PRESIDENT, ACADEMIC COUNCIL—Prof. KRISHNA KANTA HANDIQUI,
M.A. Calc. and Oxon.

REGISTRAR—P. DATTA, M.A., B.L. Calc.

DEPUTY REGISTRAR—C. DAS, M.A., B.L. Calc.

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

Goswami, M. C., M.A. Calc. (on
leave).

Pakrasi, K. B., M.Sc. Calc.

Mehra, J. D., M.Sc. Delhi.

Assamese

Kakati, B. K., M.A., Ph.D. Calc.
Prof.

Barua, B. K., M.A., B.L. Calc.,
Ph.D. Lond. Reader.

Lecturers

Neog, M., M.A. Calc.

Sarma, S. N., M.A. Calc.

Bengali

Bhattacharyya, D., M.A. Calc.

Lectr.

Botany

Baruah, H. K., M.Sc. Calc., Ph.D.
Camb., F.L.S. Prof.

Lecturers

Bara, K. C., M.Sc. Calc. (on leave).

Das, N., M.Sc. Calc.

Kachroo, P. N., M.Sc.

Nayar, B. K., M.Sc.

Sarma, P. C., M.Sc. (on leave).

Commerce

Sabharwal, D. C., M.A. Glas.,
B.Com. Edin. Prof.

Mitra, A. K., M.A., B.Com.

Reader.

Lecturers

Agarwal, M. P., M.Com. Bom.

Goswami, P. C., M.A. Calc.

Mathur, A. S., M.A., Dip. S.S.A.
Bom.

Saikia, K. N., M.A. Calc.

Sarma, A. K., M.A.

Joseph, A. C., M.Com. And.

Economics

Thomas, P. C., M.A., Ph.D. Madr.
Reader.

Lecturers

Gogoi, P., M.A. Calc.

Rao, V. V., M.A., Ph.D. Madr.

Sarangapani, S., M.A. Madr.
Sarma, J. C., M.A. Alld.

Education

Readers

Dasgupta, D. C., M.A., Ed.D.
Calif.

Kar, B. C., M.A. Lond., M.A.,
B.T., T.D.

Mukherjee, N., M.Sc., Ph.D. Lond.

Barua, L., M.A., B.T. Calc., M.A.
Col. Lectr.

English

Choudhury, H., M.A. Calc. Lectr.

Goswami, P., M.A. Calc. Lectr.

Geography

Lecturers

Das, H. P., M.A. Calc.

Pal, D. K., M.A. Calc.

Singh, G. S., M.Sc. Alld.

Geology

Lecturers

Choudhury, J. M., M.Sc. Ban.

Banerji, A. K., M.Sc. Calc.

History

Reader

Baji, A. R., M.A., Ph.D. Madr.

Lecturers

Bhattacharyya, S., M.A. Calc.

Choudhury, P. C., M.A. Ban.

Misra, V. B., M.A. Ban.

Law

Bora, J., B.L. Calc. Principal.

Lecturers

Ali, W., B.L. Calc.

Barua, B. C., M.Sc., B.L. Calc. (on
leave).

Das, R. R., B.L. Calc. (on leave).

Goswami, A., B.L. Calc.

Sarma, D., B.L. Calc.

Mathematics

Thawani, V. D., M.A. Camb.

Prof.

Lecturers

Barua, S. N., M.A. Calc.

Medhi, J. P., M.A. Calc.

Philosophy

Sarma, R. R., M.A., Ph.D. Calc.

Reader.

Lecturers

Datta, B. N., M.A. Calc.

Patnaik, K. R., M.A. And.

Statistics

Lecturers

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. ; H. Das, M.A. Calc. ; N. Das, M.Sc. Calc. ;
J. P. Medhi, M.Sc. 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.

DHUBRI, *B.N. College*, Assam. I.A., B.A. Principal—B. C. Sengupta, M.A. Calc.

DIBRUGARH, *Assam Medical College* (Govt.), Assam. (*Telephone* : Dibrugarh 80.) M.B., B.S. Principal—G. D. Kapur, M.Sc., F.R.C.S.

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.

GAUHATI, *B. Barooah College*, Assam. I.A. Principal—H. Barua, M.A. Calc.

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.

GAUHATI, *Handique Girls' College*, Assam. I.A., B.A. Principal—R. B. Das, M.A. Calc.

IMPHAL (MANIPUR), *D.M. College*. I.A., B.A. Principal—S. N. Chatterji, M.A., B.L. Calc.

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.

JORHAT, *J.B. College*, Assam. I.A., I.Sc., B.A., B.Sc., I.Com., B.Com. Principal—T. N. Sharma, M.A. Calc.

KARIMGANJ, *Karimganj College*, Assam. I.A., I.Sc., I.Com., B.A. Principal—P. C. Bhattacharyya, M.A. Calc.

NALBARI, *Nalbari College*, Assam. I.A., B.A. Principal—T. N. Goswami, M.A., B.L. Calc.

NOWGONG, *Nowgong College*, Assam. I.A., I.Sc., I.Com., B.A. Principal—J. Sarma, M.A. Calc.

SHILLONG, *Lady Keane Girls' College*, Assam. I.A. Principal—U. Bhattacharyya, M.A., B.T. Calc.

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.

SHILLONG, *St. Edmund's College*, Assam. (*Telephone* : Shillong 307.) I.A., I.Sc., B.A., B.T. Principal—Rev. Brother E. X. Leonard.

SHILLONG, *St. Mary's College*, Assam. I.A., B.A., B.T. Principal—Rev. Mother M. D. E. Sales.

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.

TEZPUR, *Darrang College*, Assam. I.A., I.Sc. Principal—A. C. Roy, M.A., B.T. Calc.

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. Devel. 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 (1949-50). Rs. 10,98,736. Govt. grant, 45 per cent.; Fees, 50 per cent.; Endowments, 2 per cent.; misc., 4 per cent.

FACULTIES AND DEANS. *Agriculture*, Dr. M. C. Das; *Arts*, Prof. B. K. Kakati; *Commerce*, Prof. D. C. Sabharwal; *Law*,; *Medicine*, Dr. G. D. Kapur; *Science*, Prof. V. D. Thawani.

LIBRARIES. Univ. Library (12,500 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. (Agric.).

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. 1194.) 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.

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. Examn. have been published.

THE YEAR 1950-51

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. S. K. Muranjan, Sydenham Coll. of Comm. & Econ., Bombay, "Indian Economics"; Dr. M. V. Moorthy, Tata Inst. of Social Sciences, Bombay, "Labour Administration."

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	872	6879
Women	..	344
Total	872	7223

Included in the above are 253 postgraduate students and 3020 new admissions.

DEGREES AWARDED. B.A., 317; B.Com., 79; B.L., 21; B.Sc., 56; B.T., 19; M.A., 34; First M.B., B.S., 51; M.Com., 19; M.Sc., 22.

[Information compiled as at 30/6/52 ;
Staff list revised as at 9/9/52.]

GUJARAT UNIVERSITY

Founded and incorporated 1950

Postal Address : Navrangpura, Ahmedabad 9, Bombay State.

Telegrams : Unigujiarar.

Telephone : 7198.

CHANCELLOR—H.E. Sir GIRJA SHANKAR BAJPAI, K.C.S.I., K.B.E.,
C.I.E., Governor of Bombay.

VICE-CHANCELLOR—HARSIDDHABHAI V. DIVATIA, M.A., LL.B.

REGISTRAR—BHADRIKAL 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.

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. and 1 Pt.-time Arts Master.

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.S. Bom. ; *Physiol.*, E. M. Best, M.B., B.S. ; *Pharmacol.*, A. D. Joseph, M.B., B.S. ; *Pathol.*, Y. M. Bhinde, M.D. Bom. ; Prof. of *Pathol. and Bacteriol.*, Dr. B. M. Bhende ; *Embryol.*, D. S. Deshpande, M.Sc. ; *Biochem.*, R. M. Vaidya, B.Sc., Ph.D. ; 12 Demrs., and 32 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 Apabhramsa*, 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. 27 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. ; *Econ. of Agric., Pub. Econ., 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.*, 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. 10 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.*, R. K. Amin, M.A. ; *Maths.*, K. R. Dave, M.Sc. ; *Philos.*, ; *Logic*, A. G. Jani, B.A. ; *Hindi*, R. V. Upadhyaya, M.A. ; *Biol.*, C. M. Patel, M.Sc. ; *Bot.*, M. S. Dubale, M.Sc. ; *Geol. & Geog.*, S. Mukherjee, M.Sc. 26 other Profs., 7 Lectrs. and 5 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*, G. P. Nagarkar, B.E. (Civil) ; *Material and Structure*, G. H. Bodha, B.E. (Elect.) ; *Maths.*, J. D. Patel, M.Sc. ; *Electr. Engin.*, M. V. Deshpande, B.E. (Elect. Mech.), M.S. Ill. ; *Radio Communication*, V. S. Telang, M.Sc. Bom., Dip. Tech. Bom. ; *Civil Engin.*, G. J. Kulkarni, B.E. (Civil) ; *Mech. Engin.*, G. J. Kamat, B.Sc. Calc., B.E. (Mech.) Bom., M.S., Ph.D. ; *Mech. Technol.*, V. D. Joglekar, B.E. (Mech.) (Elect.). 11 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*, C. S. Shah, B.Sc., Dr.Sc. Frankfurt ; *Physiol., Pharmacol., Biochem. and Texico*, H. R. Derasari, B.Sc., M.B., B.S. ; *Pharmaceutical Econ.*, M. C. Desai, M.Com. 2 other lectrs.

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. ; *Law of Contracts*, I. M. Nanavati, B.Com., LL.B. ; *Civil Procedure Code and Law of Insolvency*, M. T. Mehta, B.A., LL.B. ; *Engl. Const.*, J. G. Rabello, B.A., LL.B. ; *Moh. Law, etc.*, S. S. Belsare, B.A., LL.B. ; *Indian Succession and Land Revenue*, N. D. Pandya, M.A., LL.B. 1 other Prof.

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.; *Electronics*, S. N. Kalra, M.Sc., Ph.D.

AHMEDABAD, *Vadilal Sarabhai General Hospital and Sheth Chinai Maternity Home*, Ellisbridge, Ahmedabad, 6. (Telephone: 7019.) Founded 1931. For M.D. and M.S. Supt. and Prof. of *Surg.*, M. D. Desai, M.B., M.S., M.Ch. Orth., F.R.C.S.; *Med.*, G. B. Mohile, M.B., B.S., D.T.M.; *Obstet. and Gynaecol.*, Miss S. C. Pandya, M.D., B.S. Bom.; *Medicine*, R. A. Desai, M.B., B.S. 12 other Profs. and Lectrs.

ANAND, *Bansilal Amrillal 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., Elect. Bom., M.Sc. Agri. Eng. Iowa; *Hortic.*, K. N. Goswami, B.Agr.; *Vet. Studies*, N. C. Buch; *Bot.*, H. A. Joshi, B.Sc.; *Inorg., Org. and Phys. Chem.*, B. V. Mehta, M.Sc.; *Entomol. & Zool.*, H. L. Kulkurney, M.Sc. 24 other Profs. and Lectrs.

ANAND, *Bhikhabhai Jivabhai Vanijya Mahavidyalaya*, Vallabh Vidyanagar, Via Anand. Founded 1951. For I.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. 2 other lectrs.

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ANAND, *Vithalbhaji 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*, D. R. Mankad, M.A.; *Hist.*, Miss A. J. Dastur, M.A., Ph.D.; *Econ.*, A. R. Desai, M.A.; *Philos.*, T. G. Deokule, M.A. 20 other Profs. and Lectrs.

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BHAVNAGAR, *Samaldas College and Sir P. P. Institute of Science*, Saurashtra State. Founded 1845. For M.A., B.Sc., Ph.D. Principal and Prof. of *Maths.*, 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,

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JUNAGADH, *Bahauddin College*, Saurashtra State. Founded 1901. For M.A. and M.Sc. Principal and Prof. of *Sanskrit*, P. M. Modi, M.A. Ban., Ph.D. Kiel ; *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.Sc., Ph.D. ; *Econ.*, P. N. Joshi, M.A. 8 other Profs. and Lectrs.

MORVI, *Morvi Technical Institute*, Saurashtra State. Founded 1951. For F.E. (Civil, Elect. & Mech.) Principal and Prof. of *Electr. Engin.*, N. C. Chakravarty, M.Sc. ; *Radio Engin.*, R. Sitaram, M.Sc. ; *Machine Drawing*, P. B. Sapre ; *Civil Engin.*, M. H. Vakharia, B.E. ; *Appl. Mechanics*, H. S. Jain, B.Sc. ; *Maths.*, M. G. Amrotkar, M.A. ; *Chem.*, K. K. Satr, B.Sc. 15 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. of *Engl.*, R. K. Vajnik, M.A. Bom., Ph.D. Lond. ; *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. M. Patel, M.A., B.T. ; *Engl.*, L. H. Tenghse, M.A. ; *Hist. & Econ.*, M. G. Parekh, M.A., LL.B. 12 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. Majmudar, B.A. Dip. Ed. Dub. ; *Biol.*, B. P. Menon, M.A. Madr. ; *Chem.*, R. D. Advani, M.Sc. ; *Maths.*, C. M. Desai, B.A. Bom. and Lond. ; *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.*, M. V. Raghunath, M.Sc. ; *Sanskrit*, P. D. Chandratre, M.A. ; *Hindi*, Mrs. S. J. Phadke, M.A. 16 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.*, G. R. Kshirsagar, M.Sc. ; *Chem.*, C. L. Mankadi, B.A., M.Sc. ; *Sanskrit*, M. T. Buch, M.A. ; *Logic*, B. N. Dave, B.A. ; *Engl.*, G. K. G. Joshi, M.A. ; *Maths.*, D. W. Sontakke, M.Sc. 5 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. ; *Hist. & Econ.*, K. V. Vasavada, M.A. ; *French*, M. G. Desai, M.A., LL.B. ; *Phys.*, P. V. 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. 18 other Profs. and Lectrs.

SURAT, *Kikabhai Premchand College of Commerce*, Athva Lines. Founded 1946. For M.Com. Principal and Prof. of *Accounting and Stats.*, Y. D. Keskar, M.A., B.Com., F.S.S. ; *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. Patel, M.A. ; *Commerce, etc.*, D. S. Kurtkoti, M.A. ; *Mercantile Law*, G. M. Vakil, B.A., LL.B. ; *Auditing*, R. P. Shah, B.Com. 2 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, Mah. 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.*, M. S. Rege, M.Sc. 12 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*, M. M. Thakore; *Medicine*, Dr. Motiphal D. Patel; *Science*, Dr. R. D. Desai; *Technology*, A. de Souza.

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EXTERNAL DEGREES. The Univ. intends to hold external exams. 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. (Medi-

cal), 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 instruction 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*, in preparation.

THE YEAR 1950-51

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. G. Murphy, City Coll., New York ; Prof. F. P. Kittrell, Baroda.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	11,831
Women	..	1,135
Total	..	12,966

Included in the above are 779 postgraduate students and 4428 new admissions.

DEGREES AWARDED. M.B., B.S., 28 ; B.Pharm., 31.

DIPLOMAS AWARDED. T.D., 36.

THE UNIVERSITY OF JAMMU AND KASHMIR

Founded 1948

Postal Address : Srinagar, Kashmir.

Telegrams : University, Srinagar.

Telephone : Srinagar 230.

CHANCELLOR—YUVARAJ KARAN SINGH JI BAHADUR.

PRO-CHANCELLOR—THE HON. SHEIKH MOHAMMED ABDULLA.

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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—P. N. Qazi, M.A.

JAMMU, *Maharani Mahilla College*. B.A. Principal—Mrs. Sarla Khosla, M.A.

JAMMU, *Shri Rughnath Sanskrit College*. Hons. in Sanskrit. Principal—Pdt. P. R. Shastri.

SOPORE, *Govt. Intermediate College*, Kashmir. F.A. Principal—M. Jalal-ud-Din, M.A.

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—G. N. Mattoo, 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, *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—P. Lal, M.A.

SRINAGAR, *Teachers' Training College*, Kashmir. B.T. Principal—G. A. Mukhtar, M.A.

UNAFFILIATED INSTITUTIONS

SRINAGAR, *Govt. Pathshala*. Hons. in Sanskrit, Arabic and Persian.

SRINAGAR, *Mahila Mahavidyalaya*. Hons. in Hindi.

GENERAL INFORMATION

The University of Jammu and Kashmir was established in Nov. 1948.

FACULTIES. Arts, Education, Oriental Learning, Science. (For DEANS see p. 1204.)

OBSERVATORY. A High Elevation Observatory for res. into Cosmic Rays has been estd. at Gulmarg, Kashmir, in co-operation with Aligarh Muslim Univ.

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Physics
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Pandya, T. P., M.Sc.

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FACULTIES. Arts, Commerce, Law, Medicine, Medicine (Ancient and Modern), Science. (For Deans *see* "Administrative and other Staff," p. 1216.)

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Men	..	5826
Women	..	399
Total	..	6225

DEGREES (1951). D.Litt., 1 ; LL.D., 1 ; D.Sc., 1 ; Ph.D. (Arts), 6 ; Ph.D. (Sc.), 5 ; Ph.D. (Com.), 2 ; M.D., 6 ; M.S., 6 ; LL.M., 1 ; M.A., 389 ; M.Sc., 110 ; M.Com., 93 ; M.Ed., 20 ; B.Ed. Sc., 1 ; LL.B., 454 ; B.A. (Hons.), 42 ; B.Sc. (Hons.), 10 ; M.B., B.S., 118 ; L.T., 81 ; B.A. (Pass), 616 ; B.Sc. (Pass), 260 ; B.Com., 149.

DIPLOMAS (1951). Social Services, 8 ; Pub. Admin., 28 ; Med. Radiol. and Electricity, 6 ; Laryngol. and Otol., 1 ; Tuberculosis Diseases, 5 ; German, 4 ; *Diplomas in Arabic*—Fazil-i-Adab, 7 ; Alim, 1 ; Fazil-i-Tafsir, 11 ; *Diplomas in Persian*—Dabir-i-Kamil, 6 ; Dabir-i-Mahir, 3 ; *Diplomas in Sanskrit*—Acharya, 4 ; Shastri, 3.

UNIVERSITY OF MADRAS*

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Murugamanickam, P., B.E. (General Engin.).

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MADRAS, *Queen Mary's College*. (Recognized in Hons. Course in Geog.) Principal—Miss Vijaya Koman, M.A., L.T. *English*—B. Ahalya Bai, M.A., L.T. *Languages: Tamil*—Miss R. Rajamani, B.A., L.T. *Sanskrit*—Mrs. Devaki K. Menon, B.A. *Malayalam*—Miss K. Bhanumayi, 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. Jagathambal, B.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. Bhanumatamma, M.A. *Home Science and Household Art*—Stella Doraiswami, M.Sc. Lond. ; Mrs. G. S. Ratnam, B.Sc. *Telugu*—Miss I. Rajyalakshmi, B.A. 54 other Teachers.

MADRAS, *Vivekananda College*. (Recognized in Hons. Courses in Maths., Philos. and Econ.) Principal—N. Sundaran Iyer, 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. *Physics*—M. Narayanamurti, M.A. *Tamil*—C. Jagannathachari, M.A. *Telugu*—N. Bhaktavatsalam, M.A. *Hindi*—K. M. Sridar, M.A. *Chem.*—N. Anantavaidyanathan, M.A. *Natural Sci.*—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. *Philos.*—P. Sankaranarayanan, M.A., B.L., L.T. 46 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., D.D. Profs.: *Botany*—K. R. Venketasubban, 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. *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. ; P. S. Srinivasan, M.A., D.Sc. *Zool.*—J. P. Joshua, M.A., Ph.D. Liv. 49 other Teachers.

TRICHINOPOLY, *St. Joseph's College*. (Affiliated in Hons. Courses in Econ., Hist., Maths., Physics.) Principal—Rev. X. Ehrhart, M.A. Camb. Profs.: *Botany*—Rev. L. M. Balam, M.A. *Chem.*—Rev. A. Haas ; A. C. Joseph, M.A. *English*—Rev. T. N. Siquira, M.A. *Hist. and Econ.*—Rev. J. Adisayam, B.A. ; Rev. X. Ehrhart ; T. Srinivasan, M.A. ; A. Hirudayaswami, M.A. *Logic*—Rev. A. M. S. Chockiah, Ph.D. Pontifical Gregorian U. *Maths.*—T. Totadri Ayyangar, M.A. ; Rev. A. Gonsalves, M.A. ; S. Suryanarayana, M.A. *Physics*—Rev. J. B. Rajam, M.A., D.Sc. Paris ; P. R. Subrahmanyam, M.A. *French*—Rev. A. Fournier. 87 other Teachers.

CONSTITUENT FIRST GRADE COLLEGES

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MADRAS, *Govt. Arts College*. Principal—K. Swaminathan, M.A., B.L. 8 Lectrs. and 77 other Teachers.

MADRAS, *Stella Maris College*. Principal—Rev. Mother Lillian. 5 Profs. and 31 other Teachers.

MADRAS, *Women's Christian College*. Principal—Eleanor D. Mason, M.A. Radcliffe, Ph.D. Harv., D.Sc. 10 Profs. and 32 other Teachers.

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ANANTAPUR, *Government College*. Principal—R. H. P. Holman, M.A., L.T. 5 Lectrs. and 53 other Teachers.

COIMBATORE, *Government College*. Principal—D. Namasivayam, M.A., L.T. 8 Lectrs. and 47 other Teachers.

CUDDAPAH, *Government College*. Principal—V. Habibullah, M.A., L.T. 2 Lectrs. and 20 other Teachers.

ERNAKULAM, *St. Albert's College*. Principal—L. M. Pylee, M.A., B.L. 4 Profs. and 27 other Teachers.

ERNAKULAM, *St. Teresa's College*. Principal—Sister M. Digna, M.A. 4 Profs. and 23 other Teachers.

FEROKE, *Farook College*. Principal—Janab C. M. Syed Mohideen Shah, M.A., L.T. 3 Profs. and 29 other Teachers.

KARAIKUDI, *Alagappa College*. Principal—A. N. Tampi, B.A. Oxon., Dip.-Edn. 9 Profs. and 65 other Teachers.

KOZHIKODE, *Guruvayurappan College*. Principal—A. Gopala Menon, M.A., B.Com. 2 Profs. and 23 other Teachers.

KUMBAKONAM, *Government College*. Principal—Capt. S. Parthasarathy, M.A. 9 Profs., 6 Lectrs. and 43 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. 2 Profs. and 18 other Teachers.

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MADURAI, *Lady Doak College*. Principal—Miss E. M. Thillayambalam, M.A., Ph.D. Col., M.Sc. Alld. 4 Profs. and 22 other Teachers.

MADURAI, *Madura College*. Principal—P. Mahadevan, M.A. 5 Profs. and 48 other Teachers.

MADURAI, *Thiagarajar College*. Principal—I. N. Menon, M.A., B.Litt. 5 Profs. and 26 other Teachers.

MANGALORE, *Government College*. Principal—Mohammed Ishaq Hashimi, M.A., L.T. 5 Profs. and 40 other Teachers.

MANGALORE, *St. Agnes' College*. Principal—Mother M. Vera, M.A. 28 other Teachers.

MANGALORE, *St. Aloysius' College*. Principal—Rev. E. J. Jacques, M.A., Ph.D. 7 Profs. and 54 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, B.A. 4 Profs. and 38 other Teachers.

PALAMCOTTAH, *Sarah Tucker College*. Principal—Dora David, M.A. 4 Profs. and 20 other Teachers.

PALGHAT, *Government Victoria College*. Principal—M. M. Ghani, B.A., L.T. 8 Lectrs. and 80 other Teachers.

PUDUKKOTTAI, *The Raja's College*. Principal—..... 4 Profs. and 27 other Teachers.

SALEM, *Salem College*. Principal—N. Srinivasan, M.A. 3 Profs. and 33 other Teachers.

SIVAGANGA, *Rajah Doraisingham Memorial College*. Principal—B. S. Dhandapani, M.A. 2 Profs. and 18 other Teachers.

TELLICHERRY, *Government Brennen College*. Principal—P. P. Kallukaran, B.Sc., Ph.D. Lond., B.A. 31 other Teachers.

THEVARA, *Sacred Heart College*. Principal—Rev. A. Devassia, B.A. 6 Profs. and 50 other Teachers.

TIRUCHIRAPALLI, *Holy Cross College*. Principal—Sister Philomena, M.A. 6 Profs. and 25 other Teachers.

TIRUCHIRAPALLI, *Jamal Mohamed College*. Principal—M. J. Mohamed Sayeed, M.A. 3 Profs. and 16 other Teachers.

TIRUCHIRAPALLI, *National College*. Principal—S. Thothadri, M.A. 6 Profs. and 40 other Teachers.

TIRUNELVELI, *Hindu College*. Principal—A. Gnanamuttu, M.A. 3 Profs. and 30 other Teachers.

TIRUPATI, *Sri Venkateswara College*. Principal—..... 8 Profs. and 40 other Teachers.

TRICHUR, *St. Mary's College*. Principal—Sr. Annunciata, B.Sc. 3 Profs. and 79 other Teachers.

TRICHUR, *St. Thomas' College*. Principal—Rev. J. Kallingal, M.A. 4 Profs. and 36 other Teachers.

TRICHUR, *Sree Kerala Varma College*. Principal—A. V. Akhileswara Iyer, B.A. 5 Profs. and 33 other Teachers.

TUTICORIN, *St. Mary's College*. Principal—Sr. Teresita Mary, M.A., B.T. 3 Profs. and 16 other Teachers.

TUTICORIN, *V. O. Chidambaram College*. Principal—A. Srinivasaraghavan, M.A. 3 Profs. and 28 other Teachers.

VANIYAMBADI, *Islamiah College*. Principal—Saiyid Abdul Qadir, M.A., L.T. 3 Profs. and 22 other Teachers.

VIRUDHUNAGAR, *Senthikumara Nadar College*. Principal—P. Thangarajan, B.Sc. 3 Profs. and 24 other Teachers.

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MADRAS (THYAGARAYANAGAR), *Agurchand Manmull Jain College*. Principal—S. Narasimhan, M.A., L.T. 13 other Teachers.

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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. 16 other Teachers.

KOZHIKODE, *Malabar Christian College*. Principal—J. F. Thaddæus, B.A., L.T. 13 other Teachers.

KOZHIKODE, *Providence College for Women*. Principal—Mother M. Gabrielle, B.A.

MERCARA (COORG), *Government College*. Principal—K. P. Achutan Pillai, M.A. 18 other Teachers.

TIRUCHIRAPALLI, *Sitalakshmi Ramaswami College*. Principal—Miss J. Chellam, M.A. 12 other Teachers.

TIRUPATI, *Sri Venkateswara College for Women*. Principal—Mrs. K. Ranganayaki Amma. 7 other Teachers.

TIRUPATTUR, *Sacred Heart College*. Principal—Rev. J. Med. 9 other Teachers.

UDIPI, *Mahatma Gandhi Memorial College*. Principal—H. Sunder Rao, B.A. 17 other Teachers.

UDUMALPET, *G.V.G. Visalakshi College for Women*. Principal—Miss P. Adishesayya, B.A. 6 other Teachers.

VELLORE, *Voorhees College*. Principal—S. Jesuratnam, B.A., B.Sc. 26 other Teachers.

CONSTITUENT PROFESSIONAL COLLEGES

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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.*—S. A. Mani, B.A., L.T. *Mech. Eng.*—S. P. Vores. 12 Instrs. and 50 other Teachers.

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MADRAS, *Law College*. Principal—..... Profs.: G. C. V. Subha Rao, B.Sc., M.L.; K. V. Venkatasubrahmanyam, M.A., M.L. Other Lectrs.—B. Lakkapparai, B.A., B.L.; S. V. Venugopalachari, B.A., B.L.; T. P. Gopalakrishnan, B.A., M.L. 5 other Teachers.

Medicine

MADRAS, *Medical College*. Dean—C. K. Prasada Rao, M.D. Profs. and Teachers: *Anat.*—.....; V. Sitarama Rao, M.B., B.S., M.Sc. *Bact.*—S. Govindarajan, 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.*—..... *Infec. Dis.*—Abdul Hadi, M.B., B.S. *Med. Jurisp.*—K. C. Jacob, B.A., M.B.,

B.S., M.D. *Med.*—K. S. Sanjivi, M.D. ; S. T. Achar, M.D., F.R.C.S. ; P. Katnaswami, M.D. *Mental Dis.*—A. S. Johnson, B.A., M.B., B.S. *Obst., Gynec. 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., B.S., 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. Subha Reddi, M.B., B.S., M.Sc. *Radiol.*—K. Manjunath Rai, F.R.C.S., D.M.R. Lond. *Surg.*—Major Sangam Lal. *Surg., Princ. and Pract.*—Lt.-Col. C. K. P. Menon, M.B., M.S., F.R.C.S. ; D. S. Ayyar, M.S., F.R.C.S. *Tuberculosis*—Mrs. S. Philip, M.B., B.S. 95 Assistants.

MADRAS, *Stanley Medical College* (Royapuram). Principal—A. Anantanarayana Ayyar, B.A., M.B., B.S., M.Sc. *Anæsthesia*—M. S. Venugopal, M.B., B.S. *Bacteriol.*—P. D. Damodharam, M.B., B.S. *Chem.*—B. S. Srikantan, D.Sc. *Dermatol.*—S. Rajagopalan, L.M.S. *Ear, Nose and Throat*—C. Suryanarayana, M.S., D.L.O. ; K. P. Thomas, B.Sc., L.M.S., D.T.M. *Medicine*—N. Vaidyanthan, M.D. *Obstetrics and Gynecol.*—P. Madhava Menon, M.B., B.S., D.G.O. *Ophthalmol.*—M. A. Nair, M.B., B.S., D.O. Oxon., D.O.M.S. Lond., Z.L.O. Vienna. *Pathol.*—G. D. Valieth, M.D., B.S., D.T.M. *Pharmacol.*—M. B. Iswariah, B.S. *Surg.*—C. Raghavachari, M.S., F.R.C.S.Ed. ; R. Mahadevan, M.S., F.R.C.S. 93 other Assts., Tutors, etc.

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Teaching

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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.

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Nair. *Pharmacol.*—C. K. Velayudham. *Surg.*—P. Satyendra Rao, B.V.Sc. 18 Asst. Lectrs.

AFFILIATED PROFESSIONAL COLLEGES

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KARAIKUDI, *Dr. Alagappa Chettiar College of Engineering and Technology*. Actg. Principal—V. S. Jayaraman, B.E. 7 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.*—T. A. E. D'Sa, B.E. *Maths.*—C. Srinivasan, M.A. 5 Lectrs. and 10 other Assts.

Medicine

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PERIYANAICKENPALAYAM (Coimbatore Dt.), *Sri Ramakrishna Vidyalaya Teachers Trg. College*. Principal—Miss M. Cornelius, M.A., D.Ed. Mich. Prof. : T. V. S. Naidu, M.A., L.T. 4 other Teachers.

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MADRAS, *Kalakshetra*, Adyar. Recognized for Sangita Siromani course. Principal—B. S. Krishnamurti Sastrigal. 5 other Teachers.

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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. 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. *Arts*—V. R. Ramachandra Dikshitar, M.A., Dip. Econ. ; *Sci.*—..... ; *Law*—S. Govindarajulu Naida, B.A., B.L., LL.B. ; *Med.*—..... ; *Engin.*—Lt.-Col. S. Paul, B.E. ; *Technol.*—M. A. Govinda Rao, M.A., Ph.D. ; *Teaching*—Miss K. N. Brockway, M.A. ; *Agric.*—B. M. Lakshmipathi, M.E. ; *Vet. Sci.*—I. M. Azizuddin, B.A., B.V.Sc., Ph.D. ; *Commerce*—R. M. Alagappa Chettiar, M.A., LL.D. ; *Oriental Learning*—..... ; *Fine Arts*—P. Sambamurti, B.A., B.L.

ADMISSION. The minimum qualification for entrance to Univ. other than Professional Courses is the Matricn. examn. and such other examn. held under the auspices of a Univ. or Public Body as are recognized by the Univ. Also the certificate issued under the S.S.L.C. Scheme in accordance with rules framed by the Univ.

DEGREES. B.A., B.A. (Hons.), M.A., M.Litt., Ph.D., D.Litt. ; B.L., M.L., LL.D. ; B.Sc., B.Sc. (Hons.), M.Sc. (by Examn.), M.Sc., Ph.D., D.Sc. ; B.E. ; B.Com. ; B.Com. (Hons.) ; B.Sc. (Ag.) ; B.V.Sc. ; M.B., B.S., M.D., M.S., B.S.Sc. (San. Sci.), B.Pharm. ; B.D.S., B.I.M., B.Sc. (Nursing) ; B.Sc. (Tech.) ; B.O.L., B.O.L. (Hons.), B.T., M.Ed. ; B.Mus.

DIPLOMAS. Anthropology, Geography, Modern European Languages (French and German), Librarianship, Journalism, Gynæcology and Obstetrics, Venereology, Dermatology, Ophthalmology, Oto-Rhino-Laryngology, Radio-

logy, Orthopaedics, Tuberculosis, Physical Education, 1 yr.; Economics, Politics and Public Administration, Indian Music, 2 yrs.

ORIENTAL TITLES. Siromani, Vidvan, Afzal-ul-Ulama, Munshi-i-Fazil, Abidi-i-Fazil, Tabib-i-Kamil, Afzal-ul-Attibba, Malpan and Soppar, Sangita Siromani.

RECOGNITION of examns. of other Univs. is not granted in general terms. The Syndicate deals with each application on its merits.

EXCEPT for *bona fide* Teachers in institutions within the Univ. area, candidates are not admitted to any of the examns. without undergoing the prescribed course of study in a coll.

FEES for Univ. examns. range from Rs. 5 to Rs. 250. Fees levied by Colls. vary from Rs. 42 to Rs. 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* (July)—Vol. I, Administration, Statutes and Ordinances, Constituent and Affld. Colls., Endowments; Vols. II and III, Ordinances and Regns., Syllabuses; *Annual Report*; *Minutes*; *Madras Univ. Journal*; *Annals of Oriental Research*.

THE YEAR 1950-51

CHANGES IN REGULATIONS. *Examns.*—(1) A new group (Group iii-b-Philosophy) has been introduced for B.A. Degree course and examn.; (2) Anat. introduced as another subsidiary subject for B.Sc. Degree Course; (3) Provision made for written and oral examn. in Humanities and written and practical and oral examn. in Sci. subjects for Res. Degrees, *i.e.* M.Litt., M.Sc. and Ph.D.; (4) New Degree, B.D.S. (Bachelor of Dental Surgery), instituted and Regulns. regarding qualificns. for admission, duration of course, etc., framed; (5) Courses for Law examn. revised by transfer of (a) Consttl. Law from F.L. to B.L., (b) Criminal Law from B.L. to F.L., (c) Addition of Internatl. Law of Peace to B.L. and (d) deletion of Land Tenures from curriculum of studies for Law.

STUDENTS.

ARTS AND SCIENCE

	<i>Part-Time</i>	<i>Full-Time</i>
Men	236	30,302
Women	27	4,963
Total	263	35,265

PROFESSIONAL

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	4448
Women	..	794
Total	..	5242

DEGREES. *Agric.*: B.Sc. (Ag.), 80. *Arts*: B.A., 2333; B.A. (Hons.), 308; M.A., 138; Ph.D., 11; M.Litt., 11. *Commerce*: B.Com., 496. *Educn.*: B.T., 561; M.Ed., 11. *Engin.*: B.E., 266. *Law*: B.L., 269; M.L., Nil. *Med.*: M.B., B.S., 249; M.D., 6; M.S., 4; B.Sc. (Pharm.), 11; B.S.Sc., 4. *Oriental Learning*: B.O.L., 7; B.O.L. (Hons.), 8. *Sci.*: B.Sc., 1090; B.Sc. (Hons.), 127; M.Sc., 21; Ph.D., Nil. *Technol.*: B.Sc. (Tech.), 31. *Vet. Sci.*: B.V.Sc., 54.

TITLES. *Oriental Learning*, 319; *Sangita Siromani*, 3.

DIPLOMAS. French and German, 12; Econ., 3; Indian Music, 13; Politics and Public Admin., 8; Librarianship, 8; Journalism, 3; Physical Educn., 12; Statistics, 23; Anthropol., 4; Gynæcol. and Obstet., 11; Ophthalmol., 8; Oto-Rhino-Laryngol., 3.

UNIVERSITY OF MYSORE*

Founded 1916

Telegrams : Unireg, Mysore.

Telephone : Mysore 677.

CHANCELLOR—HIS HIGHNESS MAHARAJA SRI JAYACHAMARAJA WADIYAR
BAHADUR OF MYSORE, G.C.S.I., G.C.B.

VICE-CHANCELLOR—B. L. MANJUNATH, B.A., M.Sc. Lond., D.Phil.
Oxon.

REGISTRAR—C. RANGACHAR, B.Sc., M.Ed. Leeds.

ASSISTANT REGISTRAR—K. S. MURTHI, B.A.

LIBRARIAN—G. HANUMANTHA RAO, M.A.

TEACHING STAFF

Botany

Narayana Rao, L., M.Sc., Ph.D.
Lond.

Dean, Fac. of Sci., Prof.
(CC).†

Iyengar, C. V. K., D.Sc.
Asst. Prof. (FR.GR.CM.).

Kausik, S. B., D.Sc.
Asst. Prof. (CC).

Chemistry

Jois, H. S., M.Sc. (on leave)
Prof. (CC).

Siddappa, S., M.Sc. Prof. (CC).

Narayan, G., M.Sc. Prof. (CC).

Subba Bhatta, K., M.Sc.
Actg. Prof. (FR.GR.CM.).

Venkata Rao, S. Asst. Prof. (CC).
43 Lectrs.

Commerce

Mandre, S. R., M.A., B.Com.
Prof. and Principal (Com.
C.).

Subba Rao, B. R., M.A., Dip.Com.
Prof. (Com.C.).

Rama Rao, S. L., B.Sc. Lond.
Asst. Prof. (Com.C.).

Srinivasan, V., B.A., B.Com.

Asst. Prof. (Com.C.).

Education

Deve Gowda, A. C., M.Ed. Leeds,
M.A., B.T., Dip. Edn.

Principal and Prof. (TC).
Rangachar, C., B.Sc., M.Ed. Leeds

Prof. (TC), Registrar.
Ananthan, K. R. K., M.A. Oxon.,
M.Ed. Leeds

Temp. Prof. (TC).
Doreswamy, K. V., M.A., B.T.

Asst. Prof. (TC).

English

Eagleton, W. G. M.A. Camb.

Prof. (MC).
Ranganna, S. V., M.A. Prof. (MC).

Anantharamiah, K., M.A.
Prof. (CC).

Murthy Rao, A. N., M.A.
Temp. Prof. (CC).

Narasimhiah, C. D., M.A. Camb.
Prof. (MC).

Krishnaswamy, Mrs. S., M.A.
Lond. Principal (MWCB).

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

† (CC) etc. : symbols for reference to the Colleges, v. pp. 1234-1235.

Assistant Professors

Thiagarajan, V. A., M.A.
(FR.GR.CT.).

Krishnaswamy, C., M.A. (CC).

Singh, M. E. B., B.A. Camb., B.A.
(MC).

Krishna Murthy, S., M.A.
(FR.GR.CM.).

Shama Rao, B. N., M.A. (ICD).

Nambiar, O. K., M.A. (MC).

Ponnaiya, Miss A., M.A., M.Sc.,
B.T. (MWCB).

Geology and Geography

Rao, L. R., M.A., F.G.S., F.N.I.
Prof. (CC).

Assistant Professors

Naidu, P. R. J., M.Sc. (CC).

Srinivasa Rao, M. R., M.Sc.
(FR.GR.CM.).

Ahmed, S. N., M.A., LL.B. (Geog.)
(MC).

Ghori, G. K., M.Sc., Ph.D.
Supt., Asst. Prof.

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.).

Gopalswamy, S., M.A. (Econ.)
Supt., Asst. Prof. (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.).

Krishnaswamiengar, B.S., M.A.
(Hist.) (FR.GR.CT.).

Srikanta Sastry, S., M.A., D.Litt.
(Hist.) (MC).

Kannada

Puttappa, K. V., M.A. Prof. (MC).

Assistant Professors

Narasimhachar, D. L., M.A. (MC).

Sitaramaya, V., M.A. (CC).

Srikantiya, T. N., M.A. (ICB).

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. Prof. (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).

Philos., Psychol. and Logic

Gopalswamy, M. V., B.A., B.Sc.,
Ph.D. Lond. (Psychol. and
Logic)

Principal and Prof. (MC).

Purushottam, T. A., M.A., Ph.D.
(Philos.) Prof. (MC).

Assistant Professors

Nikam, N. R. A., M.A. Camb.
(Philos.) (MWCB).

Yamunacharya, M., M.A. (MC).

Swamidas, P., M.A. (ICB).
Krishnan, B., 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.).

Seshadri, K., M.Sc. (FR.GR.CT.).

Sanskrit

Lakshminarasimhiya, M., M.A.
Prof. (MC).
Iyengar, V. T. T., M.A.
Asst. Prof. (MC).

Tamil and Telugu

9 Lectrs. (5 for Tamil, 4 for
Telugu).

Urdu, Persian, Arabic and Hindi

Khan, K. A., M.A., Ph.D. Camb.
(Persian)
Prof. (MC) and in charge
of Depts. of Urdu,
Persian and Arabic.

Engineering

Engineering, Civil

Gopalakrishnan, C., B.Sc., B.E.
Dean, Fac. of Engin. and
Technol., Prof. and
Principal (EC).
Venkatachala Murthy, H., B.Sc.,
B.E. Asst. Prof. (EC).
Narasimhiah, D. B., B.E., M.S.
(EC).

Engineering, Electrical

Channabasaviah, K., B.E., M.S.
(E.E.) Wis. Prof. (EC).
Raju, W. J. P., B.A., B.E.
Asst. Prof. (EC).

Engineering, Mechanical

Narayana Iyengar, B. R., B.Sc.,
B.E., S.M. (Mech.)
Prof. (EC).
Gopalakrishna, B. P., B.Sc., B.E.
Asst. Prof. (EC).
Gundu Rao, K. V., B.E.
Temp. Asst. Prof. (EC).

Medicine

Professors

Appajee, Y., M.Sc. Lond., B.A.,
M.B., B.S.
Dean, Fac. of Med.,
Principal (Med.C.).
Captain, K. S., M.D., B.S. Lond.
Principal (Med.S.).
Reddy, B. R. R. (Surg.)
Pt.-time Prof.
Authikeshavalu, M., M.S., M.B.,
B.S., F.R.C.S.Can.

Pt.-time (Med.C.).

..... (Clin. Med.).

Naidu, V. R., M.B., B.S., M.S.
(Pathol.) (Med.C.).

Hanumattekar, S., M.B., B.S.
Bom. (Midwif.) Pt.-time.

Sundara Rao, M. B., M.B., B.S.,
D.O.M.S. Lond.

(Ophthalmol.) Pt.-time
(Med.C.).

D'Souza, D. C., M.B., B.S., M.S.
(Path.), D.B. Manc. (Forensic
Med.) Pt.-time (Med.C.).

..... (Pharmacol.) Prof.

Raghunatha Rao, G. S., B.Sc.,
M.B., B.S., D.Phil. (Pharma-
col.) (Med.C.).

Govinda Setty, S. V., B.Sc., M.B.,
B.S. (Clin. Med.) (Med.C.).

Hiriyannaiya, S., B.A., M.B., B.S.
(Physiol.) (Med.C.).

Lingaraju, B. N., M.B., B.S., D.H.H., M.P.H. (Hyg.) (Med.C.).	Iyengar, N. L. K., B.Sc., M.B., B.S. (Biochem.) (Med.C.).
Lalitha Lingiah, S., M.B., B.S., B.Sc. (Gynæcol.) Pt.-time (Med.C.).	Sheriff, A. S., M.B., B.S. (Pharma- col.) (Med.C.).
Assistant Professors	Rajanna, M. J., M.B., B.S. (Surg.) Pt.-time (Med.C.).
Visveswar, S. K., M.B., B.S. (Med.) Pt.-time (Med.C.).	Krishnamacharlu, N. C. A., B.Sc., M.B., B.S. (Surg.) Pt.-time (Med.C.).
Venkatashamanna, B.Sc., M.B., B.S. (Hyg.) (Med.C.).	 (Ophthalmol.) (Med.C.).
Vasudeva Rao, A., M.B., B.S. (Pathol.) (Med.C.).	Lecturers—Anæsth. 1, Anat. 6, Dental Surg. 2, Hyg. 2, In- fect. Dis. 2, Mental Dis. 2, Midwif. 2, Otorhinolaryn. 2, Pathol. 3, Physiol. 6, Tuberc. 2, Vaccin. 2, Venereal 1, X-ray and Radium Therapy 1, Oph- thalmol. 2, Pharmacol. 2, Surg. 3, Forensic Med. 1, Med. Chem. 1, Non-Med. Chem. 2.
..... (Anatomy).	
Sheriff, G. A., M.B., B.S. (Anat.) (Med.C.).	
Heblikar, K. G., M.B., B.S. (Med.C.).	

UNIVERSITY COLLEGES

BANGALORE, *Central College* (CC).* (*Telephone* : 2051.) Principal—L. Rama Rao, M.A., F.G.S., F.N.I.

BANGALORE, *College of Commerce* (Com.Sc.). Principal—S. R. Mandre, M.A., B.Com., F.S.A.A.

BANGALORE, *Engineering College* (EC). Principal—C. Gopalakrishnan, B.E.

BANGALORE, *Maharani's Women's College* (MWCB). (*Telephone* : 2796.) Principal—Mrs. S. Krishnaswami, M.A. Lond.

BANGALORE, *Medical School* (Med.S.). (*Telephone* : 2477.) Principal—Miss K. S. Captain, M.D., B.S. Lond., D.T.M. & H.

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—M. V. Gopalswami, B.A., B.Sc., Ph.D. Lond.

MYSORE, *Medical College* (Med.C.). (*Telephone* : 512.) Principal—Y. Appajee, B.A., M.Sc., M.B., B.S. Lond.

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.

INTERMEDIATE COLLEGES

BANGALORE, *Intermediate College* (ICB). (*Telephone* : 2215.) Principal—B. Thirumalachar, M.Sc., Ph.D. Lond.

* (CC), etc. : symbols for reference to the Colleges in Teaching Staff list, *supra*.

CHIKMAGALUR, *Intermediate College* (I.C. Chik). Principal—O. N. Kumaraswami, M.Sc.

CHITALDRUG, *Intermediate College* (I.C. Chit.). Principal—M. M. Narayanaswami Iyer, B.A.

DAVANGERE, *Intermediate College* (ICD). Principal—N. Kasturi, M.A., L.T.

HASSAN, *Intermediate College* (ICH). Principal—P. G. Sathyagirinathan, M.A.

KOLAR, *Intermediate College* (ICK). Principal (in charge)—T. Ramanuja Iyengar, M.Sc.

MANDYA, *Intermediate College* (I.C. Mandya). Principal—D. S. Henumanthachari, M.Sc.

SHIMOGA, *Intermediate College* (ICS). Principal—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—V. Ganesha Iyer, B.A.

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.

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*.

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.

There are 8 Intermediate Colleges for Men at Bangalore, Shimoga, Hassan, Davangere, Chitaldrug, Chikmagalur, Kolar, and Mandya and a Medical School at Bangalore. There are two First Grade Colleges, one at Mysore and another at Tumkur, and one Commerce College at Bangalore. There are 12 affiliated institutions—9 at Bangalore and 4 at Mysore. A separate Teachers' College has been established in Mysore.

The principal Univ. authorities are the Senate, the Council, the Academic Council and the Faculties.

The usual LANGUAGE OF INSTRUCTION is English.

LIBRARIES. Univ., 54,501 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. $3\frac{1}{2}$ yrs. after admission. L.M.P. Diploma course open to candidates for the Mysore S.S.L.C. examns. who have been declared eligible for College courses of study, or those who have passed any other examn. accepted by the Univ. Council as equivalent thereto.

DEGREE COURSES. 2 yrs.—B.A. or B.Sc. ; 3 yrs.—B.A. or B.Sc. (Hons.) ; 4 yrs.—B.E. (successful candidates are eligible to take the degree after a year's practical course in a recognized works or firm) ; $5\frac{1}{2}$ yrs.—M.B., B.S. ; graduate course for Master's Degree—1 yr. for Hons. grads. for B.T. 1 yr. after the B.A. or B.Sc. B.Com.—4 yrs. after S.S.L.C. Examn., 2 yrs. after 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, which may be increased in the case of lectrs.

RESIDENCE. Univ. Hostels at Mysore and Bangalore. The average hostel expenses for mos. are about Rs. 144. Residences of students not living in hostels or with their guardians are inspected by members of Students' Residence Committee.

STUDENTS' INFORMATION BUREAU. Sec., c/o Univ. Office, Mysore. (Telephone : 677.)

PUBLICATION AND EXTENSION WORK. An Extension Lectures Committee arranges an annual programme. During each year a number of lectures are delivered in different parts of the State. Under the auspices of the University Teachers' Asscn., Extension Lecture camps are arranged each year in the interior of the State and the lectures are published in Kannada in the 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.

WOMEN'S EDUCATION. Mysore women students in the Arts and Science Colleges now pay only half fees for tuition. Mysore women students in the Medical College and the Medical School are exempt from payment of tuition fees.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTION. Govt. of India, Rs. 1,00,000 for development of postgrad. res. facilities in Chem. Dept.

DEATH. Dr. C. R. Reddy (Pro-Chancellor).

HONORARY DEGREE. LL.D.—Dr. Rajendra Prasad, President of the Republic of India.

OTHER DEVELOPMENTS. Increase in no. of Colls. and of students. Large no. of Univ. Extension Lectures delivered. Development of National Cadet Corps. Proposals for introduc. of Inter. courses in Home Sci. and Music in the Women's Colls. at Bangalore and Mysore ; Journalism, Law, Aesthetics, Soc. Admin., Hist. of Sci., Hist. of Civilization, Educn., and Pub. Admin. at degree stage in Maharaja's Coll., Mysore ; and Summer course in Educn. in the Teachers' Coll., Mysore. Provision made for institution of Ph.D. in Sci. and Arts subjects, and dipl. courses in (a) French and German, (b) Indology

(postgrad.). Rs. 3965, contributed by members of Univ. for Assam Relief Fund, sent to Univ. of Gauhati for distribution among the distressed in that Univ.

STUDENTS. Degree Colls., 6985 ; Inter. Colls., 10,733 ; Diploma in Medicine, 426 ; included in the total of 18,144 are 363 postgraduate students. Professional Colleges, 4112.

DEGREES AWARDED. B.Sc. (Agri.), 16 ; B.A., 274 ; B.A. Hons., 73 ; M.A., 24 ; B.Com., 81 ; B.Sc., 624 ; B.Sc. Hons., 69 ; M.Sc., 34 ; Teaching, 57 ; Engineering, 174 ; Law, 60 ; Medicine, 22 ; Textile, 39.

NAGPUR UNIVERSITY *

Founded 1923

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ASSISTANT REGISTRAR—V. SHANKARAN, M.A.

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Date, W. B., B.Sc. (Agr.), M.Sc.,

Ph.D. Oregon Lectr. (A).

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Lectr. (A).

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Lectr. (A).

Ghosh, R. K. Lectr. (A).

Iyer, K. S. S., B.E. Mys.

Lectr. (A).

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Lectr. (NM).

Ahmad, T., M.A. Lectr. (NM).

Sharma, A. C., M.A.

Lectr. (NM).

Siddiqui, H. R., M.A.

Lectr. (VM).

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† (A), (GSc), etc. : symbols for reference to the Colleges, v. pp. 1247-1248.

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 Sinha, H. N., M.A. Alld., Ph.D. Lond.
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Sanskrit, Pali and Prakrit
 Jain, H. L., M.A., LL.B. Alld., D.Litt. Asst. Prof. (NM).
 Chaturvedi, S. P., M.A. Alld. Asst. Prof. (NM).
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Urdu

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 Hasan Abidi, S. M. A. H., M.A.

Zoology

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 Owers, N., B.Sc. (Sc).
 Sharma, D. R., M.Sc. (Sc).
 Singh, T. S. B., B.Sc. (Sc).
 Deshpanda, K. S., M.Sc., LL.B. (Sc).

Indurkar, A. K., B.Sc. (VM).
 Das, E. N., M.Sc. (VM).
 Motghare, D. S., M.Sc. (VM).
 Ramaswamy, K. R., M.Sc. (GSc).

Medicine

Anatomy

Sahasrabudhe, N. S., M.S. Prof.
 Robert, S. L., D.T.M., F.R.F.P.S. Glas. Reader.
 Singh, K. B., M.S. Reader.
 Rao, Y. G., M.B., B.S., D.L.O. Lectr.
 Kolte, D. T., B.Sc., M.B. Lectr.
 Dutta, P. K., M.B., B.S.
 Koranne, S. B., M.B., B.S.
 Shenolikar, B. K., M.B.
 Namjoshi, G. N., B.Sc., M.B., B.S.

Medicine

Berry, J. N., M.D., D.C.H. Reader.
 Mishra, M. P., M.D. Lectr.
 Dasgupta, A., M.D., D.T.M.H.
 Banerjee, R. N., M.B., B.S. Tutor.

Nag, N. K., M.B.
 Dey, T. N., M.B.
 Bhattacharji, C., M.B., B.S. Tutor.
 Mishra, R. K., M.B., B.S.
 Bhatt, A. K. N., M.B., B.S.

Medicine, Forensic

Rosario, E. F., M.B., B.S. Lectr.
 Choube, R. N., M.B., B.S. Tutor.

Medicine, Preventive and Social
 Subramanian, Y. K., M.B., B.S., D.P.H. Reader (Pt.-time).
 Anwikar, A. K., M.P.H.

Midwifery and Gynaecology

Paranjothy, Miss D., M.B., B.S., D.G.O., D.T.M., L.M. Dub. Prof.
 Devi, Mrs. P. K., M.B., B.S., M.S., F.R.C.S. Reader.
 Shenoy, A. V., M.B., B.S., D.G.O.
 Dalal, Miss N. T., M.B., B.S.

Anjaneyulu, R., M.B., B.S., D.G.O.

Ophthalmology

Kesavachar, K. R., M.Sc., M.B., B.S., D.O., D.O.M.S. Tutor.

Pathology

Sharma, G. L., M.B., B.S., M.D. Prof.
 Shrivastava, J. B., M.D., D.B. Lond. Reader.
 Shukla, R. N., M.B. Lectr.
 Ramrao, K., B.Sc., M.B., B.S.
 Tamaskar, P. K., M.B., B.S.
 Mukerjee, S., M.B., B.S.
 Kothari, D. B., M.B., B.S., D.T.M.
 Sharma, K. D., M.B.

Pharmacology

Sinha, K. N., M.B., B.S., F.R.F.P.S. Glas. Prof.
 Rajapurkar, M. V., M.B. Lectr.
 Tiwari, N. M., B.Sc., M.B., B.S. Lectr.
 Berdia, H. C., M.B., B.S.
 Oak, V. S., M.B., B.S.
 Hakim, D. N., B.Sc.

Physiology

Singh, N., M.D. Prof.
 Brahmachari, H. D., M.Sc.
 Sen, S. C., M.B., D.T.M. Lectr.
 Choudhari, B. C., M.B., B.S.
 Karkun, H. N., M.B.
 Vaishwanar, P. S., M.B., B.S.
 Thombre, S. B., M.B., B.S.

Psychiatry

Dube, K. C., M.B., B.S., D.P.M.

Surgery

Nigam, R., M.D., M.S., F.R.C.S. Prof.
 Balkrishnan, C., B.Sc., M.B., B.S., F.R.C.S. Reader.
 Shukla, M. L., M.S. Lectr.
 Sharma, H. S. D., M.S. Lectr.
 Marwab, V., M.B., B.S. Tutor.
 Seth, R. S., M.B., B.S.
 Wankar, V. N., M.B., B.S.
 Chinchalkar, V. S., M.B., B.S.

Majumdar, S. S., M.B.
 Sen Gupta, S. N., M.B.
 Gour, K. K., M.B., B.S.

Dube, M. S., M.B., B.S.
 Pradhan, R. K., M.B., B.S.
 Deshmukh, G. M., M.B., B.S.

UNIVERSITY COLLEGES

LAW COLLEGE, Nagpur. (*Telephone*: 2920.) Principal—Y. S. Tambe, B.A., LL.B. Lectrs.—P. Lobo, B.A., B.T., LL.B.; V. T. Kedar, B.A.; R. W. Fulay, M.A., LL.B.; G. B. Badkas, M.A., LL.B.; R. A. Choubey, B.A., LL.B.; R. M. Hazarnavis, B.Sc., LL.B.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY, Nagpur. (*Telephone*: 3025.) Dir.-in-Charge—P. S. Mene, B.Sc., Ph.D. Lond., D.I.C. Staff—M. S. Telang, M.Sc. Bom.; U. R. Warhadpande, B.Sc. (Tech.); V. V. Sardesai, B.E., (Mech. and Elect.) Bom.; S. N. Behere, M.Sc., B.T.; C. V. N. Rao, B.Sc., M.Sc. (Tech.); G. Narsimhan, M.Sc. (Tech.); T. N. Mehta, B.Sc. (Tech.), Ph.D. Lond., D.I.C.; T. C. Wasson, M.D., D.M.R. Lond.; M. P. Joshi, B.Sc., B.Sc. (Tech.); S. K. Sahu, B.Sc. (Tech.); S. C. Seth, M.A.

UNIVERSITY TRAINING COLLEGE, Nagpur. Principal—M. Varma, M.A., M.Ed. Lectrs.—S. N. Tamhane, M.A., B.T., M.Ed.; R. V. Dakshindas, B.Sc., B.T., LL.B.; M. G. Karkare, M.A., B.T.; P. N. Agnihotri, M.A., L.T.; G. A. Puranik, B.A., B.T.; R. S. Muley, M.A., B.T.; Mrs. Y. Joshi, M.A., B.T.; Miss A. Kashyap, M.A., L.T.

UNIVERSITY TEACHING DEPARTMENTS

DEPT. OF BIO-CHEMISTRY. Prof. and Hd. of Dept.—M. C. Nath, D.Sc., F.N.I., F.R.I.C. Lectr.—C. H. Chakrabarti, M.Sc.

DEPT. OF GEOLOGY. Reader and Hd. of Dept.—K. Shripad Rao, M.Sc., F.G.S. Lectrs.—P. C. Pande, M.Sc.; S. N. Shirodkar, M.Sc.; P. H. Kulkarni, M.Sc.

DEPT. OF POLITICAL SCIENCE. Hd. of Dept. Reader—A. Sen, M.A., B.L. (Pt.-time); Lectrs.—M. P. Buradkar, M.A., Ph.D. (Pt.-time); S. G. Kashikar, M.A.

DEPT. OF PUB. ADMIN. AND LOCAL SELF-GOVT. Prof. and Hd. of Dept.—M. P. Sharma, M.A., D.Litt. Lectrs. (Pt.-time)—Y. K. Subramanian, M.B., B.S., D.P.H.; V. Singh, B.Sc. (Eng.); P. N. Misra, B.Com., LL.B.; V. K. Bhedegaonkar, B.E.; A. Awasthi, M.A., LL.B.; R. M. Sinha, M.A. Lectr. (Whole-time)—V. S. Murti, M.A.

OTHER COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

AKOLA, *Sitabai Arts College* (SA).^{*} Principal—R. V. Soman, M.A.

AMRAVATI, *Shree Shivaji College* (Sh). Principal—Jwala Prasad, M.A. Alld., Ph.D. Camb.

AMRAVATI, *Vidarbha Mahavidyalaya* (VM). Principal—R. L. Nirula, B.Sc., Ph.D. Lond., D.I.C.

BASIM, *Rajasthan Aryan College* (R). Principal—V. P. Mohogaonkar, M.A., LL.B.

^{*} (SA), (Sh), etc.: symbols for reference to the Colleges in Teaching Staff list, *supra*.

KHAMGAON, *G.S. College of Science* (GSc). Principal—K. M. Munshi, M.Sc.
NAGPUR, *Central College for Women* (W). (Telephone : 2304.) Principal—Miss M. A. Saldanha, M.A.

NAGPUR, *College of Agriculture* (A). (Telephone : 2378.) Principal—R. P. Asthana, M.Sc., Ph.D., D.I.C.

NAGPUR, *College of Science* (Sc.). (Telephone : 2481.) Principal—K. Krishnamurti, D.Sc. Lond.

NAGPUR, *D.S.D. National College* (N). Principal—D. G. Londhey, M.A. Bom., Ph.D. Leipzig.

NAGPUR, *Government Engineering School* (E). (Telephone : 2483.) Principal—K. N. Tilloo, B.Sc. (Mech. & Elec. Eng.).

NAGPUR, *G.S. College of Economics and Commerce* (CN). (Telephone : 2760.) Principal—M. R. Tokhi, M.A. (Econ.), B.Com., LL.B. Luck.

NAGPUR, *Hislop College* (H). (Telephone : 2979.) Principal—D. G. Moses, M.A. Madr., M.A., Ph.D. Col.

NAGPUR, *Medical College* (M). (Telephone : 2488.) Principal—G. L. Sharma, M.D.

NAGPUR, *Nagpur Mahavidyalaya* (NM). (Telephone : 2358.) Principal—H. N. Sinha, M.A. Alld., Ph.D. Lond.

NAGPUR, *S.B. City College* (C). (Telephone : 2860.) Principal—S. L. Pandharipande, M.A.

WARDHA, *G.S. College of Commerce* (CW). Principal—S. N. Agarwal, M.A. Alld., M.A. (Econ.) Calc., F.R.E.S.

ADMINISTRATIVE AND OTHER STAFF

Officer-in-Charge, Phys. Educn. : M. P. Major. Univ. Med. Officer : L. R. Lakhar, M.B., B.S. Univ. Engineer : G. S. Talajia, B.E. Supt., Univ. Hostels : S. K. Mishra, M.Sc. (Agr.). Officer-in-charge, Printing : K. K. Shrivastava, M.Sc. Sec. (*ex-officio*), Students' Information Bureau : V. Shankaran, M.A.

GENERAL INFORMATION

The University was established in 1923. The first three colleges in the list above were formerly affiliated to the Univ. of Allahabad. The authorities of the Univ. are the Court, Executive Council, Academic Council and Facs. The Univ. does not hold a Matricn. Examn., but admits students who have passed (a) the Final examn. of the Central Provinces Bd. of High School Educn. or Bd. of Sec. Educn., Madhya Pradesh, or an examn. recognized (with the sanction of the State Govt.) as equivalent thereto, or (b) the Matricn. Examn. of an Indian Univ.

FACULTIES AND DEANS. *Agric.*, S. S. Pande ; *Arts*, Dr. H. N. Sinha ; *Comm.*, S. N. Agarwal ; *Educ.*, Dr. V. S. Jha ; *Law*, Justice M. Hidayatullah ; *Med.*, Dr. G. L. Sharma ; *Science*, Dr. V. N. Thatte.

UNIVERSITY LIBRARY. The library contains 51,256 vols.

LAXMINARAYAN INSTITUTE OF TECHNOLOGY. The bldgs. of the Inst. were completed in 1942 and the Inst. began functioning in Aug. of that yr. It provides a 2 yrs.' course (for Science graduates) and a 4 yrs.' course (for Inter. in Sci.) for B.Sc. (Tech.) in Chem. Engin. and in Oil Technol. For further

development, construction of new bldgs. consisting of Pilot Plant bldg., a boiler house, chemical stores, lab. blocks, a workshop and students' Hostel, costing more than 7 lacs rupees, and purchase of engine, chem. and physical equipment, costing more than 5 lacs rupees, have been undertaken. The total value of the bequest now stands at Rs. 57,36,280.

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, for original contribution to learning. *Science*—B.Sc., 2 yrs. after Inter. Examn.; B.Sc. (Tech.), 2 yrs. after B.Sc. and 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 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 1950-51

BENEFACTIONS. Dr. H. N. Sinha, Local Sec. Indian Hist. Records Commission and Indian History Congress, Rs. 8500 for 3 prizes in History at Inter. (Arts), B.A. and M.A. Examns.

NEW BUILDINGS. Boiler House, Chem. Stores, Hostel Block, and Lab. Block of Laxminarayan Inst. of Technol. completed.

NEW COURSES. M.A. in Pub. Admin. and Dipl. in Local Self-Govt. M.A. in Geog. commenced in Nagpur Mahavidyalaya.

PRINCIPAL CHANGES IN REGULATIONS. (i) Amendment of Statute No. 31 has provided for establishment of sep. Fac. of Comm. (ii) New Ordinance providing for 4 yrs.' course for B.Sc. (Tech.) examn. (iii) Ordinances relating to Univ. examns. have been amended to accord to holders of B and C Certifs. of National Cadet Corps the same concessions in respect of Univ. examns. as previously accorded to holders of A and B Certifs. of Univ. O.T.C.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. W. S. Nelson (Howard Univ., Washington); Dr. S. D. Scruggs (Lincoln Univ.);

Dr. L. R. Phillips (British Council in India); Prof. T. Burrow (Oxon.); Dr. W. Clemensen (Indian Danish Society, Copenhagen).

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Prof. S. V. Puntambekar, attended Internat. Pol. Sci. Assocn. at Zürich; Shri K. Sripad Rao and Dr. P. S. Mene, visited instns. connected with their subjects in U.S.A.

DEATH. Lt.-Col. N. Ganguli, Dean, Fac. of Arts.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	596	7042
Women	42	889
Total	638	7931

Included in the above are 1131 postgraduate students and 2985 new admissions.

DEGREES. B.Sc. (Agr.), 21; M.Sc. (Agr.), 2; B.A. (Pass), 353; B.A. (Hons.), 6; M.A., 72; M.A. (for Hons. Grads.), 2; B.Com., 93; M.Com., 10; B.T., 45; LL.B., 83; B.Sc. (Pass), 106; B.Sc. (Hons.), 3; M.Sc., 14; B.Sc. (Tech.), 9; M.Sc. (Tech.), 1; Ph.D., 1.

DIPLOMAS AND CERTIFICATES. Dip. in Engineering, 39; Dip. in Art, 4; Dip. in Oriental Learning—Junior, 64, Senior, 5, Higher, 4; Dip. in Local Self-Govt., 41; Dip. T., 121.

OSMANIA UNIVERSITY *

Founded 1918

Postal Address : Hyderabad, Deccan, 7.

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. BHAGAVANTUM, D.Sc.

REGISTRAR—I. TOPA, D.Phil. Freiburg.

ADMINISTRATIVE AND OTHER STAFF

Deputy Registrar : S. Chand ; Hd., Dept. of Students : K. S. Raghavan, B.A., B.T. Madr. ; 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. ; Sr. Librarian : Prof. S. Hanumanth Rao, M.A., L.T. Madr. ; Librarian : Maseod Yazdani, B.A., Dip. L.Sc. Madr. ; Audit Officer : Hafiz Mohd. Ahmed Siddiqi ; Resident Medical Officer : Dr. P. L. Narayan Rao ; Asst. Engineer : N. V. Joshi, B.E. ; Warden, University Hostels : P. V. R. Sebastian, B.A. Madr. ; Asst. Wardens : Mohd. Abdur Razzak Qadri, M.A., W. J. Lazrus, B.A. ; Chief Sports and Welfare Officer : Ghous Mohd. Khan.

UNIVERSITY COLLEGES

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.

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.

English

Doraishwami, 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.

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

Iyengar, V. I. 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.

Geography

Lecturers

Ahmed, S., B.A., B.T. Alig., M.A.
 Edin.
 Chaturvedi, B. N., M.A. Calc.

Hindi

Lecturers

Vidyalankar, 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.
 Reader.

Lecturers

Patwari, R. R., M.A. Mys.
 Ramaswami, B., M.A.

Marathi

Bhusari, R. M., M.A. Nag. and
 Calc., LL.B. Reader.

Lecturers

Nandapurkar, N. G., M.A. Alig.
 and Nag., Ph.D. Nag.
 Kulkarni, S. R., M.A.

Mathematics

Venkatachari, V. P., Ph.D. Lond.,
 M.A. Prof.

Readers

Mohiuddin, M. K., M.A. Madr.,
 B.T. Alig.

Patwari, V. N., M.A. Madr., B.A.
 Bom.

Lecturers

Rao, R., M.A.
 Razvi, S. A. H., M.A.
 Ahsan, M., M.Sc. Alig.
 Dwarka, D. V., M.A.

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.

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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

Hassan, R., 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.

Sociology

Hasan, J., Ph.D. Heidel. Prof.

Lecturers

Siddiqi, M., M.A.

Dube, S. C., M.A., Ph.D.

Telugu

Lecturers

Laxmiranjanam, K., M.A. Madr.

Venkataraaghaviaiah, M.O.L. Madr.

Venkatavadhini, D., M.A. And.

Urdu

Readers

Mohammad, S., M.A.

Sarwari, A. Q., M.A., LL.B.

Lecturer

Qateel, A. H., M.A., Ph.D.

UNIVERSITY COLLEGE OF SCIENCE

Principal—M. SAYEEDUDDIN, B.Sc. Bom., M.A. Edin., F.L.S.

Botany

Sayeeduddin, M., B.Sc. Bom.,

M.A. Edin., F.L.S. Prof.

Salam, A., M.Sc., Ph.D. Belf.

Reader.

Lecturers

Waheed, A., M.Sc.

Saxena, M. R., M.Sc., Ph.D. Lond.

Khan, F. N., M.Sc.

Farooqi, A. J., M.Sc.

Singh, T. R., M.Sc.

Jafar, M., M.Sc.

Deshpande, K. B., M.Sc.

Ramachar, P., M.Sc.

Chemical Technology

Zaheer, S. H., M.A. Oxon., Ph.D.

Heidel. Prof.

Readers

Kulkarni, B. S., Ph.D. Bom.

Ali, A., M.Sc. Ill.

Lecturers

Zaidi, H. R., M.Sc., Ph.D.

Nizamuddin, H., M.Sc.

Qaiyum, A., M.Sc.

Vaidya, L. S., M.Sc.

Chari, K. S., M.Sc., Ph.D. Manc.

Kantam, I. L., M.Sc.

Rangrez, K., M.Sc. Tech. Manc.

Reddy, C. H. C., M.Ch.B. Brooklyn, Ph.D. Ohio, M.Sc.

Chemistry

Subba Rao, N.V., D.Sc. And.,
Ph.D. Lond. Prof.

Taher, N. A., M.Sc., Ph.D. Lond.
Reader.

Lecturers

Rahman, M. K., M.Sc.

Sharfuddin, M., M.Sc. Dacca.

Rao, N., M.Sc.,

Reporter, Mrs. Rasheeda, 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.

Baig, M. V. A., M.Sc.

Bhargava, P. M., M.Sc.

Geology

Ahmeduddin, S. M., B.A., B.Sc.

Manc., F.G.S., F.L.S.

Reader.

Physics

Bhagavantam, S., D.Sc. Prof.

Lecturers

Iyengar, S., M.Sc.

Jayo 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.

Ranga Rao, B. V., M.Sc. Calc.
 Krishna Rao, P. S. R., M.Sc. Raj.
 Krishnamurthi, M.

Zoology

Readers

Singh, R. S. N., M.Sc. Alig., Ph.D.
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PEOPLE'S EDUCATION SOCIETY'S COLLEGE. *Postal Address:* Cantonment, Aurangabad, Deccan. Principal—M. B. Chitnis, M.A. Lectrs.: G. C. Surve, M.A., A. N. Chikhalikar, M.A., D. V. Jog, M.A., M. P. Rege, M.A., N. A. Qureshi, M.A., K. A. Thakar, M.Sc., V. N. Mathur, M.Sc., P. L. Khare, M.Sc., S. P. Aiyer, M.A., G. D. Shemavonekar, M.A., N. P. Sherma, M.A., LL.B., M. N. Wankhede, M.A., R. S. Gupte, M.A., G. V. Nevleker, M.A.

GENERAL INFORMATION

The University was established in 1918, and its charter was revised in 1947 and 1950. It comprises 10 Facs., namely Arts, Sci., Religion and Culture, Comm., Med., Engin., Agric., Vet. Sci., Educn. and Law. There are 6 Univ. Colls., 2 Constituent Degree Colls. (including Women's Coll.), 7 Constituent Inter. Colls., 5 affiliated Degree Colls. (including Med. Coll.), 1 Law Coll., and 2 Evening Colls. (one Degree and one Inter.) for those in employment.

In all Degree and Inter. Colls. Engl. is main medium of instruction, but in a few Colls. parallel classes are conducted in Hindustani. In all professional courses Engl. is only medium of instruction. Compulsory Theol. and Ethics have been abolished and replaced by a regional or allied classical language, and General Sci. for Arts students and History of Civilization for Sci. students. 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 (1951-52). O.S.Rs. 72,25,000/-. [O.S.Rs. 116-10-8 are equal to Indian Govt. Rs. 100-0-0.]

LIBRARY. 108,250 vols. (English, 31,744; Urdu, Persian, Arabic, 15,986; Oriental, 14,803; Gift, 15,253; Salarjung, 30,464). There are 3304 MSS., and 1244 Palm Leaf MSS.

ADMISSION. The qualification necessary for entrance to the Inter. Course is the Higher Sec. Cert. or equivalent cert.

DEGREES. B.A., M.A., Ph.D. in Arts; B.Sc., M.Sc., Ph.D. in Sci.; B.Com. and M.Com. in Comm.; B.E., M.B., B.S., B.V.Sc., B.Sc. (Agri.), B.Ed., M.Ed., LL.B. and LL.M.

FEES. (Indian Govt. currency) Registration, Rs. 5 ; Admission, Rs. 5 ; Inter., Rs. 20 per term ; B.A., B.Sc. and B.Com., Rs. 27 per term ; M.A., M.Sc., B.Sc. Ag., B.V.Sc., B.E., B.Ed., LL.B., LL.M. and M.B., B.S., Rs. 34 per term ; Ph.D., Rs. 40 per term ; Dipl. in French or German, Rs. 6.

RESIDENCE. Univ. Hostels provide accomm. for about 1000 students. Cost of living is about Rs. 45 O.S.

STUDENTS' WELFARE. There is a students' dept. in the Univ. which deals mainly with the problems of students. Hd. of Dept.: K. S. Raghavan. Student organizations also operate in Constituent Colls.

PUBLICATIONS. *Calendar, Annual Administration Report*, Text-books.

THE YEAR 1950-51

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.

RESIGNATION. Nawab Ali Yawar Jung Bahadur, Vice-Chancellor.

HONORARY DEGREE. *LL.D.*—Tin-Si-Lin, leader of Chinese Cultural Delegation to India.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	8196
Women	..	1080
Total	..	9276

DEGREES AWARDED. Agric., 33 ; Arts, 1330 ; Comm., 95 ; Educn., 98 ; Engin., 65 ; Law, 92 ; Med., 59 ; Res., 1 ; Sci., 1065 ; Vet. Sci., 5 ; Overseer Cert. Course, 94.

PANJAB (INDIA) UNIVERSITY *

Founded 1947

Postal Address : Solan (Simla Hills), India.

Telegraphic and Cable Address : University, Solan (India).

Telephone (Registrar) : 207.

CHANCELLOR—CHANDU LAL MADHAV LAL TREVEDI, C.M., Governor of the Panjab.

VICE-CHANCELLOR AND DEAN OF UNIVERSITY INSTRUCTION—DEWAN ANAND KUMAR, M.A. Camb.

REGISTRAR—BHUPAL SINGH, M.A., D.Litt.

LIBRARIAN—RAM LABHAYA, B.A.

TEACHING STAFF

Astronomy

Syal, R. D., M.A. Lectr.

Botany

Mehra, P. N., D.Sc., F.N.I.
Prof. and Hd. of Dept.

Chopra, R. S., M.Sc. Lectr.

Thind, K. S., M.Sc., Ph.D. Lectr.

Chemical Technology

Desai, M. H., B.Sc. Bom., Ph.D.
Lond., D.I.C. Hd. of Dept.

Bhalla, M. D., M.Sc. (Tech.)
Lectr.

Chemistry

Mukherji, S. M., M.Sc., Ph.D.,
D.Sc.

Prof. and Hd. of Dept.

Lecturers

Puri, B. R., M.Sc., Ph.D.

Narang, K. S., M.Sc., Ph.D.

Singh, J., M.Sc.

Chand, R., M.Sc., Ph.D.

Commerce

Kapur, I. M., M.Sc. Lond., B.A.

Principal, Univ. Com-
merce Coll.

Datta, K., M.A. Camb., B.Com.
Lond. Vice-Principal.

Lecturers

Bhatia, G. C., M.A.

Dogra, R. M., M.A.

Mehrotra, B. N., M.A.

Bansal, B. L., M.Com., LL.B.

Economics

Dewett, K. K., M.A., Ph.D.

Hd. of Dept.

Rangnekar, S. B., M.A., Ph.D.
Bom. Reader.

Mathur, G., M.A. Camb. Lectr.

English

Sharma, D. C., M.A. Calc., M.P.

Hon. Prof. and Hd. of
Dept.

Stock, Miss A. G., B.A. Oxon.,
Dipl. in Educn. Reader.

Geography

Ram, R., B.Sc. Lond.

Hd. of Dept.

Bhardwaj, O. P., M.A. Lectr.

Hindi

Madan, I. N., M.A., Ph.D.

Reader and Hd. of Dept.

History

Gupta, H. R., M.A., Ph.D., D.Litt.

Prof. and Hd. of Dept.

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

Sethi, R. R., M.A., Ph.D. Lectr.

Journalism

Singh, P. P., M.A. Miss. and Lond.,
B.A., LL.B. Luck., J.D.
Lectr. and Hd. of Dept.

Law

Anand, C. L., LL.B. Lond., M.A.
Principal, Univ. Law
Coll.

Readers

Mahajan, D. R., M.A., LL.B.
Mehta, H. R., LL.M.
Mongia, B. S., M.A., LL.B.
Bannerji, E. H., B.A., LL.B.

Mathematics

Bambah, R. P., Ph.D. Camb.,
M.A. Panj. Reader.

Panjabi

Singh, M., M.A., Ph.D., D.Litt.
Reader and Hd. of Dept.

*Pharmaceutical Chemistry and
Pharmacognosy*

Mehra, P. N., D.Sc., F.N.I.
Hd. of Dept.
Singh, N., M.Sc., Ph.D. Sheff.
Lectr.

Pharmaceutics

Swift, H. B. N., M.B., B.S., D.P.H.
Lond. Hd. of Dept.
Gaind, K. N., M.Sc., Ph.D.,
F.R.I.C. Lectr.

Physics

Sarna, H. R., M.Sc., Ph.D.
Hd. of Dept.
Anand, B. M., M.Sc. Reader.
Kalia, P. N., M.Sc., Ph.D. Lectr.
Lal, B., M.Sc. Lectr.

Physiology

Kumar, S., M.Sc., M.B., B.S.
Hd. of Dept.

Sanskrit

Kanta, S., M.A., D.Phil. Oxon.,
D.Litt. Panj., O.A.
Nath, J., M.A. Hd. of Dept.
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) : S. C. Singh, M.Sc. 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.

AFFILIATED COLLEGES

AMBALA CANTT, *G.M.N. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc. Prabhakar.) Principal—Jaswant Rai, M.A.

AMBALA CANTT, *S.D. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A. Prabhakar, Visharad, Shartri.) Principal—Wadhawa Ram, M.A.

AMBALA CITY, *D.A.V. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Bahadur Mal, M.A.

AMBALA CITY, *S.A. Jain College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—G. C. Jain, M.Sc.

AMRITSAR, *Hindu Sabha College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Mahar Chand, M.Sc.

AMRITSAR, *Govt. College for Women*. (Inter. Arts, Inter. Sc., B.A.) Principal—Miss W. F. Jacob, M.A.

AMRITSAR, *Khalsa College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A., M.Sc.) Principal—Inder Singh, B.Sc. Wales.

BATALA, *Baring Christian College*. (Inter. Arts, Inter. Sc., B.A.) Principal—R. M. Chet Singh, M.A.

BHATINDA, *Rajindra College*. (Inter. Arts, B.A.) Principal—C. L. Parti, M.Sc., Ph.D.

BHIWANI, *Vaish College*. (Inter. Arts, Inter. Sc., B.A. Prabhakar.) Principal—Hardwari Lal, B.A.

DHARAMSALA, *Government College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Mohan Lal Sethi, M.A.

FARIDKOT, *Brijindra College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Jaswani Singh, M.A., Ph.D.

FAZILKA, *M.R. College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Sikander Lal, M.A.

FEROZEPUR CANTT, *D.C. Jain College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—B. D. Chhabra, M.Sc.

FEROZEPUR CITY, *Dev Samaj College for Women*. (Inter. Arts, B.A., M.A. Bhushan and Prabhakar.) Principal—P. V. Kanai, M.A.

FEROZEPUR CITY, *R.S.D. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—S. B. Sen Gupta, M.A.

GURGAON, *Dronacharya S.D. College*. (Inter. Arts, Inter. Sc., B.A.) Principal—S. L. Bahl, M.A.

GURUSAR SADHAR (LUDHIANA), *G.H.G. Khalsa College*. (Inter. Arts, Inter. Sc., B.A.) Principal—S. Iqbal Singh, B.A., B.T.

HARIANA, *Hindu National College*. (Inter. Arts, Inter. Sc., B.A. Bhushan, Prabhakar and Gyani.) Principal—B. D. Chhabra, M.Sc.

HISSAR, *Dayanand College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Gyani Chand Mahajan, M.A.

HISSAR, *Govt. College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Gomti Prasad, M.A.

HOSHIARPUR, *D.A.V. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A. Gyani and Prabhakar.) Principal—Ralla Ram, M.A.

HOSHIARPUR, *Panjab University College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Vishwa Nath, M.Sc., Ph.D. Lond., M.A., M.Sc.

HOSHIARPUR, *S.D. College*. (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—S. K. Kapoor, M.A.

JIND, *S.D. Pathshala*. (B.O.L.) Principal—Ram Swarup Sharma.

JULLUNDUR, *D.A.V. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Suraj Bhan, M.A. Lond.

JULLUNDUR, *Doaba College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A. Prabhakar.) Principal—M. C. Khosla, M.A.

JULLUNDUR, *Kanya Mahavidya'aya* (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Lajja Vati.

JULLUNDUR, *Lyallpur Khalsa College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A. Gyani.) Principal—Gurbachan Singh Talib, M.A.

KALALMAJRA (KHANNA), *A.S. College*. (Inter. Arts, B.A.) Principal—Ram, M.A.

KAPURTHALA, *Randhir College*. (Inter. Arts, Inter. Sc., B.A. Vidvan, Budhenian, Prajna, Visharada, Shastri.) Principal—Nand Kishore Agarwal, M.A.

KARNAL, *Dyal Singh College*. (Inter. Arts, Inter. Sc., B.A.) Principal—R. K. Sud, M.A.

LUDHIANA, *Arya College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—S. R. Suri, M.Sc.

LUDHIANA, *Government College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Trilochan Singh, M.A., Ph.D.

LUDHIANA, *Govt. College for Women*. (Inter. Arts, Inter. Sc., B.A.) Principal—Miss S. Sen, M.A. Lond., B.T.

MAHILPUR (HOSHIARPUR), *S.G.G.S. Khalsa College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Harbhajan Singh.

MALERKOTLA (PEPSU), *Malerkotla College*. (Inter. Arts.) Principal—B. N. Chopra, M.A.

MANDI, *Vallabh Mahavidyalaya*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Raj Narain Mathur, M.A.

MOGA, *D.M. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A. Prabhakar.) Principal—R. K. Kumar, M.A.

MURTSAR, *Govt. College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Sachdere Singh, M.Sc.

NABHA, *Ripudaman College*. (Inter. Arts, Inter. Sc., B.A.) Principal—B. D. Batta, M.Sc.

NAWANSHAHR (Jullundur), *Raaha Krishan Arya College*. (Inter. Arts.) Principal—Nand Lal, M.A.

NEW DELHI, *Panjab University Camp College*. (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Narinjan Singh, M.Sc.

PATIALA, *Mahendra College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—Hardit Singh Dhillon, M.A., Ph.D.

PATIALA, *Victoria Girls' College*. (Inter. Arts, B.A.) Principal—Mrs. G. Parampal Singh, M.A.

QADIAN, *Sikh National College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Harkishan Singh, M.A.

REWARI, *Ahir College*. (Inter. Arts, Inter. Sc., B.A.) Principal—R. K. Yadva, M.A.

ROHTAK, *All India Jat Heroes' 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. Kumaria, M.A.

ROHTAK, *Vaish College*. (Inter. Arts, B.A.) Principal—H. K. Bhattacharya, M.A.

RUPAR, *Government College*. (Inter. Arts, Inter. Sc., B.A., B.Sc.) Principal—Ugra Sen, M.A.

SANGRUR, *Ranbir College*. (Inter. Arts, Inter. Sc., B.A.) Principal—Balwant Singh, M.A., B.T.

SANWAR, *Lawrence Military 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., B.Sc., M.A.) Principal—Kirpal Singh, M.A.

SIDHWAN KHURD (LUDHIANA), *Khalsa College for Women*. (Inter. Arts.) Principal—Miss S. K. Avtar Singh, M.A., B.T.

SIMLA, *B.M. College*. (Inter. Arts, Inter. Sc., B.A., M.A.) Principal—Mahavir Singh, M.A.

SIMLA, *S.D. College*. (Inter. Arts, Inter. Sc., B.A., B.Sc., M.A.) Principal—F. C. Arora, M.A.

SONEPAT, *Chhotu Ram Arya College*. (Inter. Arts, Inter. Sc., B.A.) Principal—H. C. Bali, M.A.

TANDA URMAR, *Govt. College*. (Inter. Arts, B.A.) Principal—R. R. Malik, M.Sc.

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.

BHIWANI, *Technological Institute of Textiles*. (B.Sc. Text.) Principal—D. L. Sen, M.Sc. Tech. Manc., M.Sc. Bom., F.R.I.C.

FARIDKOT, *Bikram College of Commerce*. (Commerce—B.Com.) Principal—Raj Narain, B.Com., LL.B.

FARIDKOT, *Brijindra College*. (B.T., Agriculture—F.E.A.) Principal—Jaswant Singh, M.A., Ph.D.

FEROZEPUR, *Dev Samaj College for Women*. (B.T.) Principal—P. V. Kanai, M.A., LL.B.

HISSAR, *Panjab Veterinary College*. (B.V.Sc.) Principal—B. N. Handa, B.Sc.

JULLUNDUR, *Govt. Training College*. (B.T.) Principal—A. C. Loshi, M.Sc., Ph.D., F.N.I.

JULLUNDUR, *Law College*. (Law—LL.B.) Principal—C. L. Anand, M.A. Panj., LL.B. Lond.

JULLUNDUR, *University College of Commerce*. (B.Com.) Principal—I. M. Kapoor, B.A. Panj., M.Sc. Econ. Lond.

LUDHIANA, *Govt. Agriculture College*. (Agriculture—F.E.A., B.Sc., M.Sc.) Principal—H. R. Saini.

REWARI, *Ahir College*. (Commerce—B.Com.) Principal—R. K. Yadva, M.A.

ROHTAK, *All India Jat Heroes' Memorial College*. (B.T.) Principal—S. N. Sanyal, M.A.

ROHTAK, *Vaish College*. (Commerce—B.Com., B.T.) Principal—H. K. Bhattacharya, M.A.

ROORKEE, *Panjab Engineering College*. (B.Sc. (Eng.), Civil, Mech. and Electr.) Principal—S. R. Mehra.

SIMLA, *Govt. Training College for Women*. (B.T.) Principal—S. Y. Harvey, M.A. Edin., L.T.

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 Sansk., Persian, Hindi and Panjabi are conducted also in those langs. respectively or in an allied lang.

FACULTIES AND DEANS. *Agriculture*, Dr. D. Singh ; *Arts*, J. Singh ; *Commerce*, Hon. Mr. Justice M. C. Mahajan ; *Education*, C. L. Kapur ; *Engineering*, Brij Mohan Lal ; *Law*, Hon. Mr. Justice E. Wetson ; *Medicine*, Dr. H. B. N. Swift ; *Oriental Learning*, Prof. D. C. Sharma ; *Science*, Dr. V. Nath ; *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.

LOCATION OF TEACHING DEPARTMENTS. *Phys.*, *Chem.*, *Zool.*, *Econ.*, *Engl.*, *Hist.*, Panj. Univ. College, Hoshiarpur. *Technology*, Delhi Polytechnic. *Bot.*, *Panjabi*, *Pharm.*, *Chem.* and *Pharmacog.*, Khalsa Coll., Amritsar. *Pharmaceuticals*, *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.

HIGHER DEGREES. M.A. in English, Maths., Hist., Pol. Sci., Econ., Sanskrit, Hindi, Panjabi, Philos., Psychol., Geog. M.Sc. in Phys., Chem., Bot., Zool., Chem. Technol. and Agric. M.Sc. Hons. Sch., 1 yr. after B.Sc. Hons. Sch.

M.Com., LL.M., M.S., M.D., M.Pharm., M.V.Sc., Ph.D., D.Litt., D.Sc., D.O.L., LL.D. Also M.Com., LL.M., Ph.D., M.S., M.D. and LL.D.

DIPLOMAS in Journalism, Tuberculosis Disease (D.T.D.), Ophthalmic Med. and Surg. (D.O.M.S.), Laryngol. and Otol.

LIBRARIES. The Panjab Univ. Library (over 33,000 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. B. L. Gupta, B.A., D.P.E., is Asst. Dir. of Phys. Training and is in charge of the phys. welfare of 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. The Univ. publishes *Arts and Science Journals* from time to time.

A UNIVERSITY PRESS has recently been set up.

THE YEAR 1950-51

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 29 colls. for men. This Corps has taken the place of the Univ. O.T.C. Members of the N.C.C. may offer Military Sci. as additional optional paper (in place of additional optional vernacular) for the inter. and degree examns. The 3rd Panj. Girls' Troop of the N.C.C. has been raised in the Govt. Coll. for Women, Ludhiana.

CHANGES IN REGULATIONS. Any graduate of Panjab (Lahore) Univ. before 1948 on complying with conditions prescribed by the Univ. may be registered as a grad. of Panjab. (India) Univ., provided that he graduated not less than 5 yrs. before registration. Displaced students from Sindh who have settled within Univ.'s jurisdiction or in Delhi may appear in I.A. and I.Sc., B.A., B.Sc. and M.A. examns. as private candidates up to 1955, instead of 1952. Age limit for girl candidates appearing in Matricn. examn. removed. System of biennial examn. extended to O.T., M.I.L., M.A. and 1st Examn. in Agric. From 1953, examns. in Oriental Fac. and in Panjabi (Persian Script) are to be revived. Following new examns. have been instituted : Ph.D. in Med. Fac. ; M.Pharm. in Pharmacog. ; M.V.Sc. ; B.Sc. Text.

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.

HONORARY DEGREES. *D.Litt.*—Dr. Rajendra Prasad, President of India. *LL.D.*—H.H. Maharaja Sir Yadavendra Singh, Rajpramukh of Patiala and E. Panjab States Union ; Shri Gopi Chand Bhargva, ex-Chief Minister of Panjab.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	2893	23,511
Women	48	2,407
Total	2941	25,918

DEGREES. B.A., 4986 ; B.Sc., 278 ; B.Sc. Hons., 61 ; B.Sc. Engg., 39 ; B.Com., 35 ; B.Sc. Agric., 74 ; LL.B. Pass, 46 ; LL.B. Final, 31 ; B.T., 335 ; B.V.Sc., 9 ; B.Pharm., 8 ; M.B., B.S., 77 ; M.A., 661 ; M.Sc. Hons., 52 ; M.Sc. Agric., 31 ; Ph.D. Arts, 2 ; Ph.D. Sci., 2.

PATNA UNIVERSITY*

Founded 1917

Postal Address : Patna 5.

Telephone (Registrar) : Patna 2322 ; (Office) : Patna 2105.

CHANCELLOR—H.E. THE GOVERNOR OF BIHAR.

VICE-CHANCELLOR—K. N. BAHL, D.Sc. Panj., D.Phil. and D.Sc. Oxon., F.N.I.

REGISTRAR—JAGATNANDAN SAHAY, M.A., T.D. Lond.

DEPUTY REGISTRAR—PINAKPANI ROY CHOUDHURY, B.Sc.

ASSISTANT REGISTRAR—SYED YAWAR HUSSAIN, B.A.

UNIVERSITY TEACHING STAFF

Ancient Indian Hist. & Culture

Altekar, A. S., M.A., LL.B. Bom.,
D.Litt. Ban. Prof.

Sinha, B. P., Ph.D. Lond, M.A.
Reader.

Upadhyay, B., M.A. Ban.
Lectr.

Bhattacharyya, T., M.A., D.Litt.
Calc. Pt.-time Lectr.

Applied Psychology

Maiti, H. P., M.A. Calc. Prof.

Geology

Wakhloo, S. N., M.Sc., Ph.D.
Panj. Reader.

Jain, A. P., M.Sc. Ban. Lectr.

Labour & Social Welfare

Singh, A., M.Sc. N.Y., M.A. Ill.,
M.A. Lectr.

Sinha, G. P., M.A. Lectr.

Law

Alam, S. S., B.A., LL.B. Camb.
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Kumar, S., B.A., B.L.

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Dir.

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Musalgaonkar, L. V. Instr.

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Prof.

Muhar, P. S., M.A., Ph.D. Harv.

Reader.

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Lectr.

Statistics

Lall, D. N., Ph.D. Edin., M.A.

Reader.

Narayan, I., M.A. Lectr.

Zachariah, K. C., M.Sc. Trav.

Lectr.

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

ADMITTED COLLEGES

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BANKIPUR (PATNA), *Bihar National College*. B.A., B.Sc. Principal, and Prof. of English—S. M. Moinul Haq, M.A. Other Profs.: *Chem.*—N. K. Basu, M.Sc. *English*—C. T. Mitra, M.A. Calc. *History*—K. M. Sinha, M.A. *Maths.*—W. C. Dutta, M.A. Calc. *Persian*—A. Saiyid, M.A. *Philos.*—S. N. Roy, M.A. Calc. *Physics*—S. N. Roy, M.Sc. Calc. *Sanskrit*—S. N. Bhattacharayya, M.A. 70 other Profs., Lectrs. and Demrs.

BANKIPUR (PATNA), *Law College*. B.L. Principal—B. K. Sinha, B.A., B.L. Vice-Principal—S. Ainul Varis, M.A. Camb. 14 other Lectrs.

BANKIPUR (PATNA), *Magadh Mahila College*. B.A. Principal—Mrs. Romola Nandi, M.A. Professors: *Engl.*—Miss B. Gurha, M.A. *History*—Mrs. J. Basu. *Econ.*—Mrs. A. Bose. 11 other Lectrs.

BANKIPUR (PATNA), *Patna College*. M.A. Principal—K. P. Sinha, B.A. Camb., M.A. Professors: *Econ.*—B. R. Misra, Ph.D. *Engl.*—K. Ahmad, B.A. Camb., M.A. *History*—K. K. Datta, M.A., Ph.D. Calc. *Maths.*—Kartik Nath Pande, M.A. Calc. *Philos.*—D. M. Datta, M.A., Ph.D. Calc. *Sanskrit*—Iswara Dutta, Ph.D. Munich. *Hindi*—D. B. Sastri, M.A. *Urdu*—H. S. Ahmad, M.A., B.L. *Geog.*—S. A. Majid, M.Sc., Ph.D. *Psychol.*—M. Z. Abdin, B.A. Lond. *Persian*—Iqbal Hosain, M.A., Ph.D., B.L. 50 other Lectrs.

BANKIPUR (PATNA), *Patna Women's College*. B.A. Principal—Rev. Mother M. Theodosia. Profs.: *Econ.*—Rev. Sister M. Florence. *Geog.*—Sister Honorine. *Maths.*—Miss A. Mitra. *Philos.*—Sister Vera. *History*—Rev. Sister M. Scholastica. *Hindi*—Mrs. J. Verma, M.A. 12 other Lectrs.

BANKIPUR (PATNA), *Prince of Wales' Medical College*. M.B., B.S. Principal, and Prof. of *Physiology*—B. Narayana, M.Sc., M.B. Calc., Ph.D. Edin. Profs.: *Anatomy*—G. K. Ghosh, B.Sc., M.B. Calc., M.Sc. Lond. *Hygiene*—H. Prasad, M.B. Calc., D.P.H. Calc., D.T.M. & H. Lond., D.T.M. Liv. *Medicine*—S. K. Ghosh Dastidar, M.B., D.T.M. Calc. *Surgery*—U. P. Sinha. *Pharmacol.*—B. N. Prasad, M.Sc., M.B. Calc., Ph.D. Edin., D.T.M. Calc. *Pathol.*—G. Prasad, B.Sc., M.D. *Ophthalmol.*—D. Ram, B.Sc., M.D. Calc., D.L.O., D.O.M.S. Lond. 58 other Profs. and Lectrs.

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BHAGALPUR, *Marwari College*. Principal—B. N. Mukherjee, M.A. *Calc. Commerce*—S. P. Srivastava, M.A. *Alld.* 16 other Lectrs.

BHAGALPUR, *Tej Narayan Jubilee College*. B.A., B.Sc. Principal—J. Mishra, M.A., Ph.D. Profs.: *Engl.*—M. Sarkhel. *Chem.*—R. R. Bhatta-charjee. *History*—N. Acharya, M.A.; K. K. Bose, M.A. *Maths.*—N. D. Banerji, M.A. *Calc. Philos.*—J. C. Sen Mazumdar, M.A. *Calc. Physics*—S. N. Banerjee, M.Sc. *Sansk.*—B. D. Mishra. *Econ.*—A. K. Prasad. 51 other Profs., Lectrs. and Demrs.

BIHAR (PATNA), *Veterinary College*. B.Sc. (Vet. Sc.). Principal—H. R. Kapur. *Hyg.*—A. C. Chaudhary, B.Sc., Ph.D. *Edin. Surg.*—S. M. Ishaque. *Pathol. and Bact.*—P. B. Kuppuswamy, B.A., B.V.S. 19 other Profs., Lectrs. and Demrs.

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CHAPRA (District Savan), *Rajendra College*. B.A., B.Com. Principal—Manoranjan Prasad Sinha, M.A. *Ban.* Profs.: *Engl.*—S. K. Gobind, M.A. *Econ.*—S. N. Jha, M.A. *Phil.*—D. N. Sahay, M.A. *Sansk.*—B. Prasad, M.A. *Maths.*—U. A. Goswamy, M.A. *Com.*—H. K. Narayan, M.Com. *Alld.* 35 other Lectrs.

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HAZARIBAGH, *St. Columba's College*. B.A., B.Sc. Principal and Prof. of *Philos.*—A. F. Markham, M.A. *Oxon.* Other Profs.: *Engl.*—T. H. Mukharji, M.A. *Dacca. Chem.*—K. M. Lahiri, M.Sc. *Econ.*—S. Sarkar, M.A. *History*—P. C. Horo, M.A. *Maths.*—R. N. Mukherji, M.Sc.; B. Prasad, M.A. *Pers.*—M. Muslim, M.A., M.O.L. *Philos.*—K. C. Varughese, M.A. *Calc.*, B.D. *Serampore. Physics*—A. A. K. Mundal. *Sansk. and Hindi*—P. P. Singh Sharma, M.A., B.L. 13 other Profs. and Lectrs.

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MONGHYR, *R.D. and D.J. College*. B.A. Principal—S. K. Dutta, M.A. Lectrs.: *Sansk.*—S. C. Maitra, M.A. *Maths.*—G. C. Sadhukhan, M.A. *Econ.*

—K. Mullick, M.A. *Engl.*—K. K. Sarkar. *Persian*—Sachchidanand, M.O.L. *Hindi*—R. P. Singh, M.A. 20 other Lectrs.

MOTIHARI (District Champaran), *M.S. College*. B.A. Principal—K. P. Sinha, M.Sc. *Sansk. and Hindi*—G. D. Tripathy, M.A. *Engl.*—A. N. Mukherjee, M.A., Dip. in Ed. 12 other Lectrs.

MUZAFFARPUR, *Darsan Das Women's College*. B.A. Principal—A. Sen, M.A. Calc. Profs.: *Engl.*—Miss Bela Dutt Choudhary, M.A. *History*—Atulananda Sen, M.A. *Philos.*—Miss Labanyalata Ghosh, M.A., B.T. 6 other Lectrs.

MUZAFFARPUR, *Langat Singh College*. B.A., B.Sc. Principal—F. Rahman, B.A. Lond., M.A. Profs.: *English*—M. Pratap, B.A. Camb. *History*—S. Narain, M.A., B.L. *Pers.*—S. A. Majid. *Chem.*—P. C. Dutta, Ph.D. *Econ.*—D. P. Srivastava, M.A., B.L. *Maths.*—S. D. Upadhyaya, M.A. *Philos.*—Y. Masih, M.A. *Physics*—N. D. Ghose, M.Sc. Calc.; S. K. Basu. *Sansk.*—U. N. Jha, M.A., B.L. 33 other Profs., Lectrs. and Demrs.

MUZAFFARPUR, *R.D. Singh College*. B.A. Principal—H. Hukku, Ph.D. *Com.*—K. N. Prasad, M.Com. 17 other Profs. and Lectrs.

MUZAFFARPUR, *S.K.J. Law College*. B.L. Principal—K. Narain, M.A., B.L. Vice-Principal—N. P. Sinha, B.A., B.L.

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PURNEA, *Purnea College*. B.A. Principal—J. P. J. Dwij, M.A. 13 other Profs. and Lectrs.

RANCHI, *Ranchi College*. B.A. Principal—J. Prasad, M.A. Calc., B.A., M.Sc. Camb. *Hist.*—G. Nath, M.A. *Eng.*—A. M. Banerjee, M.A. *Hindi*—V. Srivastava, M.A. *Phil.*—A. Akhtar, M.A., B.L., Dip. in Ed. *Geog.*—R. P. Sinha, M.A. 23 other Profs. and Lectrs.

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SIWAN, *D.A.V. College*. B.A. Principal—B. B. Misra, M.A. Ban., Ph.D. Lond. Prof.: *Engl.*—A. Ghosh, M.A. 11 other Lectrs.

GENERAL INFORMATION

Founded Oct. 1, 1917. Most of the teaching is conducted in the "admitted" Colleges, v. *supra*.

LIBRARY. 57,641 vols.

FACULTIES AND DEANS. *Agric.*, Dr. R. H. Richharia; *Arts*, G. Sinha; *Comm.*, B. R. Misra; *Educn.*, A. A. Kazimi; *Engin.*, B. Prasad; *Law*, B. K. Sinha; *Med.*, Dr. B. Narayana; *Sci.*, Dr. P. B. Ganguly; *Vet. Sci.*, H. R. Kapur.

DEGREES. B.A., M.A., Ph.D., D.Lit., B.Sc., M.Sc., D.Sc., M.Ed., B.L., M.L., D.L., B.Sc. (Eng.), M.B., B.S., M.D., M.S., B.O.L., M.O.L., B.Com., B.Sc. (Agr.).

The usual LANGUAGE OF INSTRUCTION is Hindustani up to Bachelor's degree stage and English at the postgraduate stage.

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RESEARCH SCHOLARSHIPS. Fifteen, five in Science, five in Arts, two in Medicine, two in Engineering, and one available in Science, Arts, Medicine or Engineering according to demand. The value of each Scholarship is Rs. 100 p.m., tenable for 2 yrs.

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THE YEAR 1950-51

BENEFACTIONS. State Govt. and S.K. Sinha Diamond Jubilee Celebrations Cttee., Rs. 1,85,000 for Readership in Internat. Law and Pol. Sci.; Maj.-General S. L. Bhatia, Rs. 2700 for award of gold medal.

NEW BUILDINGS. Residential quarters for college teachers and additl. bldgs. for the Univ. are to be undertaken. Additions to library, and also a first storey was constructed to "Krishna Kunj" in which the inst. of Psychol. Res. and Service is housed.

NEW DEPARTMENTS AND POSTS. Depts. of Internat. Relations and Law. 2 Profs., in Appl. Econ. & Comm. and Appl. Psychol.; 5 Readers, in Geol., Appl. Econ. & Comm., Sociol., Labour & Soc. Welfare and Appl. Psychol.; 6 Lectrs. in Pol. Sci., Geol., Stats., Appl. Econ. & Comm., Sociol. and Law; 14 pt.-time Lectrs. in Law.

PRINCIPAL CHANGES IN REGULATIONS. Regulations for instn. of courses for M.Com. and Ph.D. in Comm. examns.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Dr. L. Bosenfeld, Manc., Convocation lectr.; Dr. G. Murphy, City Coll. of N.Y., Psychol. and Soc. services; Mrs. G. Murphy; Prof. G. P. Conger, Minnesota, Prof. A. C. Ewing, Camb., "The Individual and the State"; Dr. P. A. Schilpp, Northwestern, 2 lectures on "Human Understanding."

RETIREMENT. Dr. L. A. N. Iyer (Geol.).

STUDENTS (1949-50). Full-time: 26,164.

DEGREES AWARDED. *Agric.*: B.Sc. (Agri.), 299. *Arts*: B.A., 1399; M.A., 210. *Comm.*: B.Com., 352. *Educn.*: M.Ed., 7. *Engin.*: B.Sc.

(Engr.), 50. *Law*: B.L., 191. *Med.*: M.B., B.S., 140; M.D., 2; M.S., 2. *Sci.*: B.Sc., 166; M.Sc., 49.

DIPLOMAS AND CERTIFICATES AWARDED. Dipl. in Educn., 84; Dipl. in Labour and Soc. Welfare, 17.

OTHER DEVELOPMENTS. A Bill was under the consideration of the State Govt. to change the Univ. into a teaching and residential Univ. having under its jurisdiction only the colls. located in the city of Patna.

UNIVERSITY OF POONA

Founded 1948

Postal Address : Ganeshkhind, Poona, 7.

Telegrams : Unipuna.

Telephone : Poona 3408, 3038.

CHANCELLOR—H.E. SHRI GIRIJA SHANKAR BAJPAI.

VICE-CHANCELLOR—Rt. Hon. M. R. JAYAKAR, M.A. Bom., D.C.L. Oxon., LL.D. Alld.

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REGISTRAR—M. A. MOGHE, M.A. Alld., M.Sc. Bom., Ph.D. Lond., F.N.I.

DEPUTY REGISTRAR—G. P. BHONSALE, B.A. Bom., B.Sc. (Econ.) Lond.

ASSISTANT REGISTRAR—S. G. NAWARE, B.A. Bom.

TEACHING STAFF

[Teachers appointed by the Univ., who are also *ex-officio* Hds. of the respective Univ. Depts.]

Botany

Mundkur, B. B. Univ. Prof.

Mathematics

Banerjee, D. P., M.A., D.Sc. Dacca, F.S.S. Univ. Prof.

Chemistry

Kulkarni-Jatkar, S. K., M.Sc., Ph.D. Bom. Univ. Prof.

Physics

Dhavale, D. G., M.Sc. Univ. Prof.

Experimental Psychology

Kothurkar, V. K., B.A. Camb. Univ. Reader.

Politics

Deshpande, N. R., M.A. Bom., Ph.D. Col. Univ. Reader.

Geography

Gananathan, V. S., M.A. Madr. and Syracuse Univ. Reader.

Sanskrit

Dandekar, R. N., M.A. Bom., Ph.D. Berl. Univ. Prof.

Marathi

Tulpule, S. G., M.A., Ph.D. Bom., Univ. Prof.

Zoology

Karve, J. N., M.Sc. Bom. Univ. Reader.

ADMINISTRATIVE AND OTHER STAFF

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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, *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. Bhawe, 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.

CONSTITUENT RECOGNIZED INSTITUTIONS

(For Postgraduate Research)

POONA, *Bhandarkar Oriental Research Institute*, Poona, 4. (Telephone : 2336.) (1917.) Principal—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. Gadgil, 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 constituted by the Legislature, is neither a purely affiliating nor a purely unitary and teaching Univ. It combines the features of both these types. It aims at creating for the Poona area a central teaching organization beyond the intermediate stage of instruction, and the whole of the postgraduate teaching and research work in the entire University area will be conducted under its direct control. But up to the intermediate stage in the Poona area and the graduate stage in outside places, instruction will continue to be given by the Constituent and Affiliated Colleges subject only to the general supervision of the Univ. It is not contemplated that all the staff, equipment and bldgs. of such post-intermediate colleges in Poona will belong to the Univ. which will, however, be able to draw freely on these resources. The Univ.'s library,

laboratories and full-time teaching staff will be mainly used for postgraduate teaching and research in selected subjects. For the present, the Univ. has decided to appoint seven Profs. and four Readers as its own teachers in the different subjects.

Among the distinctive features of the constitution of the Univ. is its provision for the widest representation of the various elements in the life of the region in the composition of the Court, the general legislative and deliberative University body. Linking academic and non-academic sides is the Executive Council, which possesses complete control over the finances and routine working of the Univ. Apart from its general direction of policy, the Court has no control over the day-to-day business of the Univ.

No discrimination is made toward students on the ground of sex, race, creed, class or religious or political belief.

The usual LANGUAGE OF INSTRUCTION is English, except in Mod. Indian Lang. classes, where the lang. concerned is used.

FACULTIES AND DEANS. See p. 1275.

LIBRARIES. Univ. library : approx. 14,000 vols. Libraries of Affiliated Colls. and institutions : total of approx. 440,000 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.

EXTERNAL DEGREES. There are two External Degrees : B.A. (External) and M.A. (External). Gainfully employed persons, and married women, residing within the Univ. area, are eligible to appear for these examns. externally, *i.e.* without keeping terms at any of the Affiliated Colls. The duration of the Degree Course is 6 yrs. from the Entrance Examn. as compared with the normal duration of 4 yrs. for regular internal students. A candidate must appear for and pass the Inter. Arts Examn. after 3 yrs. and is then due to appear for the B.A. (External) Examn. at the end of another 3 yrs. He qualifies for the Master's Degree after a further period of 3 yrs. For any of these 3 examns., students have to register by paying Rs. 10 as the Registration Fee in the yr. previous to yr. of examn.

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. Gokhale Inst. of Politics—Econ., Pol. and Stat. Deccan Coll. Postgraduate and Res. Inst.—Sansk., Compilation of Sansk. Dictionary, Sociol., Anthropol., Arabic, Maratha Hist., Anc. Indian Hist. and Culture. Maharashtra Asscn. for Cultivation of Sci.—Bot., Zool., Microbiol. and Biochem.

FEES. Fees charged up to first graduation are about Rs. 100 per term per student (extra lab. fees for Sci. students). Postgraduate students : Rs. 125 per term for Arts students and Rs. 150 per term for Sci. students. Besides

these tuition fees, students have to pay about Rs. 25 to Rs. 30 per yr. to the coll. authorities for gymkhana, library and other facilities.

EXTRA-MURAL WORK. The Bd. of Extra-Mural Studies was set up in 1950. Lectures on topics of general interest are frequently arranged under the Bd.'s auspices, and Profs. of the Constituent and Affiliated Colls. and other experts are invited to deliver lectures which are open to the general public.

SUMMER SCHOOL. In 1951 a Summer School was organized in the Univ. Chem. Dept. in which teachers in the Constituent and Affiliated Colls. and Postgraduate students participated.

LIBRARIES, ETC. Univ. Library, 25,000 vols. In addition, there are libraries at each of the Constituent and Affiliated Colls. and Recognized Institutions. The principal Meteorological Station and Observatory of India is located at Poona, and the India Met. Inst. attached thereto is a recognized place of Postgraduate res. of the Univ.

UNIVERSITY PRESS. The Univ. maintains a small Press.

PUBLICATIONS. *Handbook* (4 Pts.); *Annual Report*.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Unconditional donations: Rs. 31,000; endowments for postgrad. res., lectures and publicn. of bks.: Rs. 1,20,000; 9 other endowments amounting to Rs. 60,000 recd. for institution of Scholps. at diff. Univ. Examns. and 6 donations amounting to Rs. 3400 recd. for prize at Univ. Examns.

NEW DEPARTMENTS. New Depts. mainly for postgrad. teaching and res.: Sanskrit; Marathi; Politics; Exper. Psychol.; Maths.; Geog.; Chem.; Zool.; Phys.

PRINCIPAL CHANGES IN REGULATIONS. From June 1950, new B.A. and M.A. courses came into force. 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.: New 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. also revised so as to admit students immed. after Matricn. for study of 4 yrs. in Coll. of Agric., as against 3 yrs. after first yr. in a Sci. Coll., provided for in Old Course. Dipls. in Music, Printing and Oriental Learning, instituted.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. L. Alsdorf, Hamburg, "The Central Conceptions of the Vedic Religion in the light of new German Researches." Sir C. V. Raman, "The Colours in the Mineral World." Dr. A. C. Ewing, Camb., "Has Idealism been disproved?" Prof. P. A. Schilpp, N.W. Univ., "Human Understanding." Prof. G. Murphy, Col., "Wanted: A Social Philosophy for the Atomic Age."

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Dr. D. D. Karve, Nagpur.

SUMMER SCHOOL. In Univ. Dept. of Chem., a Summer School on Dielectric Constant and Molecular Structure was held for res. workers and postgrad. students.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	11,754
Women	..	1,763
Total	..	13,517

Included in the above are 347 postgraduate students, of whom 288 were men and 59 women.

DEGREES AWARDED. *Agric.*: B.Sc. (Agri.), 64. *Arts*: B.A., 309; M.A., 38. *Comm.*: B.Com., 85. *Educn.*: B.T., 35; M.Ed., 8. *Engin.*: B.E., 69. *Law*: LL.B., 85; LL.M., 1. *Med.*: M.B., B.S., 11. *Sci.*: B.Sc., 211; M.Sc., 13.

UNIVERSITY OF RAJPUTANA *

Founded 1947

Postal Address : Sawai Mansingh Highway, Jaipur.

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 SINGHJI BAHADUR, G.C.S.I., K.C.I.E., Maharana of
Udaipur and Maharaj Pramukh of Rajasthan.

CHANCELLOR—Lieut.-Gen. H.H. RAJ RAJENDRA SHRI MAHARAJA-
DHIRAJA SAWAI SIR MAN SINGHJI BAHADUR, G.C.S.I., G.C.I.E.,
Maharaja of Jaipur and Raj Pramukh of Rajasthan.

VICE-CHANCELLOR—Lieut.-Col. G. S. MAHAJANI, M.A., Ph.D. Camb.

REGISTRAR—.....

HON. LIBRARIAN—M. V. MATHUR, M.A., B.Com. Alld., M.P.A. Harv.

UNIVERSITY TEACHING STAFF

Economics

Mathur, M. V., M.A., B.Com. Alld.,
M.P.A. Harv. Reader.

Gupta, D. L., M.A., B.Com., Ph.D.
Lond. Lectr.

Garg, M. A., 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., B.A., M.A., B.Sc., M.Sc., B.Com., M.Com., etc. = affiliated up to the intermediate, degree, postgraduate, etc., standard.)

(A) The number of collegiate institutions affiliated to the University is 42, as listed below :

ALWAR, *Raj Rishi College*. B.A., B.Sc., B.Com., I.A., I.Sc. and I.Com.
Principal—B. B. Goyal, M.A., LL.B.

BANSWARA, *Govt. Inter. College*. I.A. Principal—R. S. Gupta, M.A.

BARAN, *Govt. Inter. College*. I.A.

BHARATPUR, *M.S.J. College*. B.A., B.Com., I.A. and I.Com. Principal—
S. N. Gupta, M.A., Ph.D.

BHILWARA, *Maharana Inter. College*. I.A. and I.Com. Principal—R. A.
Aujar, M.A., B.Sc.

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

BIKANER, *B.J.S.R. Jain Inter. College*. I.A., I.Sc. and I.Com. Principal—S. K. Sarkar, M.A.

BIKANER, *Dungar College*. B.A., B.Sc., M.A., M.Sc., LL.B., I.A. and I.Sc. Principal—M. N. Tolani, M.A.

BIKANER, *Maharani Sudershan Inter. College for Women*. I.A. Principal—Mrs. S. Agarwal, M.A.

BIKANER, *Teachers' Training College*. T.T.C. Principal—S. N. Sriwastava.

BRIJNAGAR, *Shri Rajendra Inter. College*. I.A. and I.Sc. Principal—S. D. Jagdhary, M.A.

BUNDI, *Hadendra Inter. College*. I.A. and I.Com. Principal—P. C. Das, M.A., B.L. Calc., Ph.D. Edin.

CHIRAWA, *Inter. College*. I.A. and I.Com. Principal—A. B. Saksena, M.A.

CHURU, *Lohia College*. I.A., B.A., B.Com., I.Com. and I.Sc. Principal—S. D. Pande, M.A., B.Conq.

DAUSA, *Govt. Inter. College*. I.A. and I.Com.

FALNA, *S.P.U. Inter. College*. I.A. and I.Com. Principal—B. C. Jain, M.A.

FATEHPUR, *Seth G. R. Chamaria Inter. College*. I.A., I.Sc. and I.Com. Principal—P. L. Gupta.

JAIPUR, *Law College*. LL.B. and LL.M. Principal—K. S. Hajela, M.A., M.Sc., LL.M.

JAIPUR, *Maharaja's College*. B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Sc. and I.Com. Principal—K. L. Varma, M.A.

JAIPUR, *Maharani's College*. B.A. and I.A. Principal—Mrs. S. Bhartiya, M.A.

JAIPUR, *Sawai Mansingh Medical College*. M.B., B.S. Principal—S. K. Menon, F.R.C.S.

JAIPUR, *S.S.G. Pareek Vidyalaya*. I.A., I.Sc. and I.Com. Principal—G. L. Purohit, M.A.

JHUNJHUNU, *Seth Motilal Inter. College*. I.A. and I.Com. Principal—N. L. Gupta, M.A.

JOBNER, *S.K.N. Agricultural Institute*. B.Sc. (Ag.), Inter. Agric. Principal—A. Rathore.

JODHPUR, *Jaswant College*. B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., LL.B., I.A., I.Sc. and I.Com. Principal—S. D. Arora, M.Sc., Ph.D.

JODHPUR, *M.B.M. Engineering College*. B.E. (Civil). Principal—V. G. Garde, M.Sc. (Eng.).

JODHPUR, *Rajmahal Girls' Inter. College*. I.A. Principal—Mrs. K. Patwardhan, M.A.

JODHPUR, *Shri Maharaja Kumar Inter. College*. I.A. and I.Com. Principal—R. V. Kumbhare, M.A.

KISHANGARH, *Darbar Inter. College*. I.A.

KOTA, *Herbert College*. B.A., B.Sc., B.Com., M.A., LL.B., I.A., I.Sc. and I.Com. Principal—Fateh Singh, M.A., D.Litt.

KOTA, *Shri Maharani's Inter. College*. I.A. Principal—Miss R. P. Shastri, M.A., B.T.

MUKUNDGARH, *Sharda Sadan*. I.A. and I.Com. Principal—R. S. Bhatnagar, M.A.

NAWALGARH, *S.G.B. Podar College*. B.Com., M.Com., I.A. and I.Com. Principal—R. R. Gupta, M.A., B.Com.

PILANI, *Birla College*. B.A., B.Sc., B.Com., M.A., M.Sc., M.Com., I.A., I.Sc., I.Com., I.Pharm. and B.Pharm. Principal—S. R. Mital, M.A., B.Sc. B.T.

PILANI, *Birla Engineering College*. B.E. (Mechanical and Electrical). Principal—V. Lakshminarayanan, B.E.

SARDARSHAH, *Govt. Inter. College*. I.A. and I.Sc.

SIKAR, *Shri Kalyan Inter. College*. I.A. Principal—G. N. Singhal, M.A., T.D.

SIROHI, *Govt. Inter. College*. I.A. and I.Com.

SRI GANGANAGAR, *Govt. Inter. College*. I.A. Principal—Ram Singh, M.A.

TONK, *Darbar Inter. College*. I.A.

UDAIPUR, *Maharana Bhupal College*. B.A., B.Sc., B.Com., M.A., M.Sc., LL.B., I.A., I.Sc. and I.Com. Principal—S. S. Saxena, M.A., M.Com.

UDAIPUR, *Rajasthan Mahila Vidyalaya*. I.A. Principal—Miss P. B. Menon, M.A., B.Sc., B.T.

UDAIPUR, *Vidya Bhawan G.R. Teachers' College*. M.Ed. and B.Ed. Principal—K. L. Shrimali, M.A., Ph.D., B.T.

(B) The number of High Schools recognized by the University is 215 ; of these, 14 are Girls' High Schools.

GENERAL INFORMATION

The idea of a University at Jaipur—whether only for Jaipur State, or for the whole of Rajputana and Central India—can be traced to the twenties of this century. It was, however, on Jan. 8, 1947, that the Act for a federal University for Rajputana was promulgated by the States that had decided upon this joint action. In July of that year the Univ. began to function.

The jurisdiction of the Univ. extends over the ring-shaped region comprising the whole of Rajputana minus the centrally administered "island" of Ajmer-Merwara at the centre. The area consists of the former seven political units : (1) Bikaner, (2) Jaipur, (3) Jaisalmer, (4) Jodhpur, (5) Matsya Union (consisting of the former 4 states of Alwar, Bharatpur, Dholpur and Karauli), (6) Rajasthan Union (consisting of the former ten states of Banswara, Bundi, Dungarpur, Jhalawar, Kishangarh, Kotah, Pratapgarh, Shahpura, Tonk and Udaipur) and (7) Sirohi. The seven units were later integrated into a single political unit of Rajasthan (March 30, 1949) and the University Act was, in consequence, amended.

The Univ. controls the High School Examn. as well as Univ. education, and the Bd. of High School Education is one of the "Authorities" of the Univ. With the Senate at the base and the Syndicate as the apex, there are two bodies between them—the Academic Council to deal with collegiate questions and the Bd. of High School Educn. to look after the schools. This system of four "Authorities" forms a strong, stable structure for the Univ. The usual languages of instruction are English and Hindi.

INCOME (Jan. to Dec. 1950). Rs. 10,67,504, of which Rs. 3,82,749 was received from examn. fees. Expenditure during the yr. was Rs. 7,61,674.

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, Philosophy and Geology. The Dept. of Econ. is located at Jaipur and the Depts. of Philos. and Geol. are located at Jodhpur and Udaipur respectively. Both res. work and postgraduate teaching (M.A. or M.Sc.) are carried on in these depts.

LIBRARY. No. of vols. (July 1951) was 6518.

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. (*Honoris Causa*), D.Litt., D.Sc., LL.D.

B.A., B.Sc. : candidates who have passed the Inter. Examn. of a recognized Bd. or Univ. and have attended a regular course of study in an affiliated coll. for 2 academical yrs. are admitted to the examn. *M.A., M.Sc. and M.Com.* : 2 yrs.' course in an affiliated coll. 2 examns.—Previous and Final. *B.Com.* : 3 yrs. Examn. at end of third yr., provided that candidates who have passed certain examns. are exempted from taking the first-yr. B.Com. course. *LL.B.* : Graduates in either Arts, Sci., Comm. who complete a regular course of study in an affiliated coll. are eligible for admission to the Previous Examn. and after 1 further yr. to the Final Examn. *B.Sc. (Ag.)* : Admission allowed to those who have passed the Univ. Inter. Examn. in Agric. or any other examn. recognized as equivalent, and have attended a regular course of study in an affiliated coll. for 2 academical yrs. *M.B., B.S.* : 5 yrs.' course after Inter. Sci. (Biol.). *B.Pharm.* : 3 yrs.' course after Inter. Pharm. but degree awarded on production of satisfactory evidence of having undergone practical training in a recognized institution, hospital, etc., for not less than 90 days on certification by the Principal of the Coll. concerned. *B.E.* : 3 yrs.' course after Inter. Sci. (Phys., Chem. and Maths.) but degree awarded on producing evidence to the satisfaction of the Syndicate that the candidate concerned has undergone practical training for a period of 12 mos. (280 working days minimum) in a workshop or factory approved by the Principal of the Engineering Coll. concerned. *B.Ed.* : Candidates must have passed the Bachelor's or Master's degree of the Univ. or of some other recognized Univ. and have completed a regular course of study for 1 yr. in a coll. affiliated for the purpose. *Ph.D.* : Open to Masters in Arts, Sci. or Comm. after res. work of at least 2 yrs. and on submission of a thesis.

CERTIFICATES. High School, Inter. (Arts, Science, Commerce and Agriculture), Teachers' Training Certificate and I.Pharm.

SCHOLARSHIPS AND MEDALS. The following scholps., besides 12 Research Scholps. of Rs. 125 p.m. each for two yrs., have been instituted by the Univ., each tenable for 24 mos. : 3 scholps. (including one to a woman candidate who stands first among women candidates) of Rs. 16 p.m. each, and 2 scholps. of Rs. 12 p.m. each, awarded on the results of the High School Examn. 7 scholps. of Rs. 25 p.m. each (2 for Arts, 2 for Sci. and 2 for Comm., and 1 to a woman candidate who stands first among the women candidates), awarded on the results of the Inter. Examn. 1 scholp. of Rs. 25 p.m., awarded on the result of Inter. in Agric. examn. 5 scholps. (2 for Arts, 2 for Sci., and 1 for Comm.) of Rs. 40 p.m. each, awarded on the results of the Degree Examns. 5 scholps. of Rs. 30 each, tenable for one yr., awarded on the results of First M.B., B.S., Second M.B., B.S., Final M.B., B.S. Part I examn. to Medical students. 3 scholps. of Rs. 25 p.m. each tenable for 12 mos. awarded on the results of I.Pharm. (Part II), B.Pharm. (Part I) and B.Pharm. (Part II) to students in Pharm. 2 scholps. of Rs. 30 each, tenable for one yr., awarded on the results of F.E. and S.E. examns. to Engin. students. 3 scholps.—one of Rs. 25 and 2 of Rs. 40 each p.m., tenable for one yr., awarded on the result of

LL.B. Previous, LL.B. Final and LL.M. (Part I) to students in the Fac. of Law. A gold medal, called the Chancellor's gold medal, worth Rs. 250, is awarded annually to a student who stands first at the postgraduate examns. Another gold medal, called the A. P. Cox Gold Medal, is also awarded annually to the best athlete of the Univ. for the yr. There are also three other gold medals, called (1) Seth Sagarmal Khetan Memorial Gold Medal, which is awarded annually to a candidate securing the highest number of marks in Hindi at the M.A. examn., (2) Seth Radha Krishna Khetan Gold Medal, awarded annually to a candidate securing the highest number of marks in Hindi at the B.A., examn., and (3) Mahadevi Khetan Memorial Gold Medal, awarded annually to a woman candidate securing the highest number of marks in Hindi at the M.A. examn. among the women candidates.

NATIONAL CADET CORPS TRAINING. Three Battalions—one at Jaipur, another at Udaipur, and the third at Jodhpur, each under a separate Commandant. The Univ. grants a sum of Rs. 5000 every yr. towards 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 II), *University Studies* and *Extension Lectures*, Text-books and Syllabuses, Ordinances and Regulations; *List* of institutions.

THE YEAR 1950-51

EXTRA-MURAL WORK. Extension lectures by members of the Univ. were delivered at various centres, and are being published both in English and Hindi. Lectures given by Dr. P. A. Schilpp (U.S.A.) and S. Mathai.

STUDENTS. Number enrolled as members of Univ., 3559. Number of students (by faculty) in the Affiliated Colls., 1335 in Arts, 710 in Sci., 953 in Law, 604 in Comm., 508 in Engin., and 297 in Med. The total number of students increased from 7531 (in 1950) to 9288 (in 1951), including 4833 candidates in the Inter. classes.

DEGREES. B.A., 490; M.A., 134; B.Sc., 121; M.Sc., 26; B.Com., 247; M.Com., 44; B.Ed., 50; B.E., 61; LL.B., 214; Ph.D., 2.

UNIVERSITY OF ROORKEE *

Founded in 1847 as Thomason College ; inaugurated
as a University in 1949

Postal Address : Roorkee, U.P.

Telegrams : Tomcol, Roorkee.

Telephone : Roorkee 5.

CHANCELLOR—H.E. K. M. MUNSHI, B.A., LL.B., D.Litt.

VICE-CHANCELLOR—C. A. HART, T.D., D.Sc. (Eng.) Lond., Ph.D.,
F.R.I.C.S.

REGISTRAR—N. C. PAL, M.A., B.L.

TEACHING STAFF

Civil Engineering

..... Prof.
Singh, S. R., B.Sc. (Engrg.) Brist.
(Survey and Drawing)

Reader.

Krishna, J., B.Sc., C.E.

Officiating Reader.

..... Reader.

Charlu, T. G. K., B.Sc., M.Sc.,
Ph.D., D.I.C.

(Geol. with Chem.)

Reader.

Agarwal, L. S., B.E., C.E.

Lectr. and Offg. Chief

Instr., Overseer Sch.

Lecturers

Jain, O. P., B.Sc., C.E.

Goyal, S. C., B.Sc., C.E.

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.

.....

Jain, B. K.

Offg. Sr. Instr., Overseer
Sch.

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.

Mathematics and Physics

Prasad, C., M.Sc., D.Phil.

(Appld. Maths) Reader.

Agarwala, B. K., M.Sc., Ph.D.

(Phys.) Lectr.

Mittal, K., M.Sc. (Maths.) Lectr.

Mechanical Engineering

..... Prof.
Moudgill, J. N., B.A., B.Sc.
(Engrg.) Ban.

Reader and Actg. Hd. of
Dept.

Lecturers

Prasad, J., B.Sc. (Engrg.) Ban.

Chaudhuri, A. K., B.Sc. (Eng.),
M.A.Sc.

Kapur, P. N., Dipl. Eng. E.T.H.
Zür.

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

Gupta, N. L., B.Sc. (Eng.), M.S., M.E.	Ahmad, Z. U., B.Sc., D.I.C., Ph.D. Lond.
Saxena, M. H., B.Sc., B.Sc. (Metallurgy).	Actg. Hd. of Dept. Lecturers
<i>Electrical Engineering</i>	Roy, S. N., M.Sc.
.....	Jethi, J. L., B.Sc. (Engrg.).
	Sarathi, R. P., B.Sc.,
	Prof.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar, S. S. Bhatnagar. Supt. of Workshops, Univ.
Resident Engr., T. Chand, B.A. Personal Asst. to Vice-Chancellor, H. R.
Puri, B.Sc. O.C., N.C.C. : Capt. N. Kumar. Med. Officer, Maj. P. N. Bose.

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.

DEGREE COURSES in Civil, Electr. and Mech. Engin. for Bachelor of Engineering degree (3 yrs.) ; B.E. (Hons.) (4 yrs.).

CERTIFICATE. Overseer and Draughtsman courses (2 yrs.) for certif. Age limit for overseer examn. : 16 to 21.

ADMISSION. Admission to first yr. of Engin. course may be obtained only through annual competitive examn. (June). Age limits, 17 to 21 yrs. Admission fee, Rs. 20. Students cannot be admitted direct to second or third yr. classes. Qualifns. for admission : Pass in the Inter. Examn. (with Phys., Chem. and Maths.) of the U.P. Bd. of High School and Inter. Educn. or of any other Bd. or Univ. in the Indian Union recognized by the Govt. ; Cambridge Higher Sch. Certif. with Physics, Chem. and Maths. ; Pre-Engin. Examn. of Delhi Polytechnic ; B.Sc. Examn. of Delhi Univ. with English, Maths. and Phys. or Chem., provided that Chem. or Phys. were taken in the Higher Sec. Examn. of the Delhi Bd. ; B.A. (Hons.) Maths. of Delhi Univ., provided Science subjects were taken in the Higher Sec. Examn. ; Inter. Sci. Certif. (with Phys., Chem. and Maths.) of the East Panjab Univ. in lieu of Social Service ; Overseer certif. examn. of Thomason Coll. or of the Univ. of Roorkee ; High Sch. Examn. of the U.P. Bd. of Educn. plus 2 yrs.' engin. training in an approved engin. inst., or 2 yrs.' approved practical engin. experience.

TUITION FEE for engin. course, Rs. 24 p.m. ; for certif. courses, Rs. 6 p.m.

SCHOLARSHIPS. 33 scholps. of Rs. 50 each (15 for Civil, 9 for Electr. and 9 for Mech. Engin. students) awarded by Univ. In addition, 3 scholps. of Rs. 50 each are awarded to scheduled caste students who qualify in the entrance

examn. 28 scholps. of Rs. 25 each are granted to Overseer class students
4 additional scholps. of Rs. 25 each are awarded to scheduled caste students.

THE YEAR 1950-51

DEGREES awarded, 1951: B.E., 64. CERTIFICATES: Overseer, 79 ;
Draughtsman, 10.

UNIVERSITY OF SAUGAR *

Founded 1946

Postal Address : Sagar, Madhya Pradesh.

Telegrams : University, Sagar.

Telephone : Sagar 5.

CHANCELLOR—Pandit RAVI SHANKER SHUKLA, B.A., LL.D. Ban.,
Chief Minister, Madhya Pradesh, Nagpur.

PRO-CHANCELLOR—THE EDUCATION MINISTER, Madhya Pradesh, Nagpur.

VICE-CHANCELLOR—RAM PRASAD TRIPATHI, M.A., D.Sc. Lond.

TREASURER—A. M. MISRA.

REGISTRAR—ISHWAR CHANDRA, M.A. Panj.

DEANS—*Arts*—M. L. MISRA, M.A., D.Sc. Alld. ; *Education*—L. P.
D'SOUZA, M.A., T.D. 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.

Chemistry

Bhattacharya, A. K., M.Sc., D.Sc.
Alld.

Reader.

Lecturers

Perti, O. N., M.Sc., D.Phil. Alld.

Banerji, S. N., M.Sc., D.Phil. Alld.

Nigam, S. S., M.Sc. Alld.

Mahajani, A. V., M.Sc. Alld.

Lall, S. S., M.Sc. Alld.

Amirchand, M.Sc., Ph.D. Leigh.

Shrivastava, H. N., B.Sc. Nag.

Rao, G. S., M.Sc.

Chauhan, C. S., B.Sc.

Narayanan, C. R., M.Sc., D.Phil.
Alld.

Commerce

Lecturers

Misra, J. N., M.Sc. Lond.

Roy, R. P., M.Com. Alld.

Pandey, V. P., M.Com., LL.B.

Saxena, R. B., M.Com. Agra.

Economics

Lecturers

Shete, M. K., M.A. Nag.

Nakhare, M. G., M.A. Nag.

Seth, P. R., M.Com. Temp. Lectr.

English

Swaminathan, S. R., B.A. Madr.

Reader.

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

Lecturers

Datta, A., M.A., Ph.D. Luck.
 Sastri, P. S., M.A., M.Lit., Ph.D.
 Nag.
 Mukerji, A., M.A., D.Phil. Alld.
 Mallikarjunan, S., B.A. Madr.
 Bajpai, M. K., M.A. Alld.

Geology

Chiplonkar, G. W., D.Sc. Ban.
 Reader.
 Dehadrai, P. V., M.Sc. Ban.
 Lectr.
 Padmanabhan, S., M.A., M.Sc.
 Miss. Lectr.
 Dass, K. N., M.Sc. Lectr.

Hindi

Bajpai, N. D., M.A. Ban. Reader.
 Shukla, R. S., M.A., D.Litt. Alld.
 Reader.

Lecturers

Pandey, R. N., M.A. Alld.
 Bhatnagar, R. R., M.A., D.Phil.
 Alld.
 Pathak, K. K., M.A., LL.B. Nag.
 Singh, R. L., M.A., B.T. Ban.

History**Lecturers**

Gupta, H. L., M.A., D.Phil. Alld.
 Mehrotra, S. R., M.A. Alld.

Law**Honorary Lecturers**

Shrivastava, G. S., M.A., LL.B.
 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. Lectr.

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.

Shukla, U. C., M.Sc. Alld.

Persian

Pathak, B. L., M.A., M.O.L.
 Hon. Lectr.

Philosophy

Das, R., M.A., Ph.D. Reader.

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. Luck.
 Argal, R., M.A., Ph.D. Nag.
 Shrivastava, R. P., M.A., LL.B.

Sanskrit

Apte, V. M., M.A., Ph.D. Camb.
 Reader.
 Upadhyaya, R., M.A., D.Phil.
 Alld. Lectr.

Urdu

Pathak, B. L., M.A., M.O.L.
 Hon. Lectr.

Zoology

Misra, P. L., M.Sc., Ph.D. Belf.
 Reader.

Lecturers

Misra, S. D., M.Sc., Ph.D. Luck.
 Harswarup, M.Sc. Agra.
 Bhargava, H. R., M.Sc. Alld.
 Saini, R. S., M.Sc. Agra.
 Shrivastava, R. K., M.Sc.

ADMINISTRATIVE OFFICERS AND OTHER STAFF

Dep. Registrar : P. Bajpai, M.A., LL.B. Asst. Registrar (Accounts) : B. P. Misra, B.A. Librarian : B. L. Pathak, M.A., M.O.L. Chairman, Bd. of Phys. Welfare, A. L. Pande, M.A., B.T. Chairman, Delegacy, A. K. Bhattacharya, D.Sc. Alld.

AFFILIATED COLLEGES

BILASPUR, *Law College*. Principal—U. S. Bisen, B.A., LL.B.

BILASPUR, *S.B.R. Arts College*. Principal—A. L. Pande, M.A., B.T.

JABALPUR, *D.N. Jain College*. Principal—B. S. Audholia, M.A., B.Com.

JABALPUR, *Government Engineering College*. (Telephone : 128.) Principal—S. P. Chakravarti, M.Sc., M.Sc. (Eng.) Lond., D.I.C.

JABALPUR, *G.S. College of Commerce and Economics*. (Telephone : 310.) Principal—P. L. Baldua, M.A., B.Com.

JABALPUR, *Hitkarini Law College*. Principal—B. V. Shukla, B.A., LL.B.

JABALPUR, *Hitkarini Mahavidyalaya*. (Telephone : 327.) Principal—P. M. Paranjpe, M.A.

JABALPUR, *Mahakoshal Mahavidyalaya*. (Telephone : 80.) Principal—N. G. Shabde, D.Sc. Nag. and Edin.

JABALPUR, *Prantiya Shikshan Mahavidyalaya*. (Telephone : 193.) Principal—L. P. D'Souza, M.A., T.D. Lond.

JABALPUR, *St. Aloysius College*. Principal—Rev. H. van Engelen.

JABALPUR, *Training Institute for Women*. Principal—Miss Zillah Soule, M.A., M.Ed.

JABALPUR, *Veterinary College, Madhya Pradesh*. (Telephone : 41.) Principal—H. N. C. Iyengar.

KHANDWA, *Diploma Institute for Men*. Principal—M. A. Mumtazuddin, B.T.

KHANDWA, *Shree Nilkantheshwar College*. Principal—A. C. Bose, M.A., Ph.D. Dub.

RAIPUR, *Chhattisgarh College*. Principal—M. A. Kelkar, M.A., L.T.

RAIPUR, *College of Science*. Principal—U. D. Mukerji, M.Sc.

RAIPUR, *Law College*. Principal—J. Yoganandam, M.A., LL.B.

RAIPUR, *Law College, Maudhapara*. Principal—B. B. Tiwari, B.A., LL.B.

RAIPUR, *New Arts College*. Principal—B. P. Misra, M.A., D.Litt.

(Note.—All the above Colleges are located in Madhya Pradesh.)

GENERAL INFORMATION

The University was founded by Sir Hari Singh Gour, who gifted Rs. 20 lacs and appealed to both Central and Provincial Govts. to make suitable donations. The Govt. of Madhya Pradesh donated Rs. 10 lacs towards the Univ. Endowment Fund and made a further grant of Rs. 15 lacs towards bldgs. and equipment. They are also making a grant of Rs. 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. 15,80,277. State Govt. grant, Rs. 4,00,000 ; Central Govt. grant, Rs. 1,00,000 ; Grant from Scholps., Rs. 10,626 ; Endowments, Rs. 1,37,645 ; Fees, Rs. 4,48,459 ; Misc., Rs. 4,83,547.

LIBRARY. Approx. 19,000 vols. ; subscriptions to 100 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.Ed., B.E., B.E. (Hons.), B.V.Sc., Ph.D.

EXTERNAL DEGREES. Teachers in recognized schs. and colls. within the territorial jurisdiction of the Univ., and women candidates, are admitted to all exams. 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 stay in the residences on the Univ. Campus.

UNIVERSITY NAVAL, MILITARY OR AIR FORMATIONS. Regular National Cadet Corps Battalion 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 of Health and a small Hospital Unit is attached to the Univ. Dispensary.

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 1950-51

SUBSTANTIAL BENEFACTIONS. The late Sir Hari Singh Gour, Founder of the Univ., has left four-fifths (just under a crore of rupees) of his entire estate to the Univ.

NEW BUILDINGS. Library bldg. renovated; several houses erected for staff members; improvements to Univ. canteens and refectories.

NEW DEPARTMENTS. Industr. and Pharmaceutical Chem.; Visual Educn. New course in General Knowledge.

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Extension Lectures in "Sir H. S. Gour Foundation Lectures" series delivered by: Prof. R. C. Mazumdar; Prof. J. W. McBain; Dr. K. S. Krishnan; Dr. M. H. R. Taimuri.

RESIGNATIONS. Dr. A. P. Misra (Sanskrit), apptd. to Univ. of Allahabad; Dr. Amir Chand, apptd. to post in Govt. of India.

HONORARY DEGREES. *D.Litt.*—The Hon. Shri K. M. Munshi, Minister for Food and Agric., Govt. of India. *LL.D.*—H.E. Shri M. M. Pakvasa, Governor of Madhya Pradesh.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	960
Women	..	70
Total	..	1030

DEGREES. B.A., 333; B.Sc., 81; B.Com., 44; LL.B., 75; M.A., 80; M.Sc., 41; M.Com., 2; B.T., 123; M.A. Appl. Psychol., 27.

DIPLOMAS. Indust. Chem., 4; Oriental Learning Examns., 18.

UNIVERSITY OF TRAVANCORE *

Founded 1937

Postal Address : University Buildings, Trivandrum.

CHANCELLOR—HIS HIGHNESS SIR BALA RAMA VARMA, G.C.S.I., G.C.I.E., D.Litt.

VICE-CHANCELLOR—Sir A. RAMASWAMI MUDALIAR, D.C.L.

PRO-VICE-CHANCELLOR—P. R. PARAMESWARA PANIKKAR, M.A.

DEANS OF FACULTIES—*Arts*—T. C. SANKARA MENON, M.A. ; *Science*—C. S. VENKATESWARAN, M.A., D.Sc., F.I.P. ; *Oriental Studies & Fine Arts*—K. GOVINDA PILLAI, Malloor, B.A., B.L. ; *Law*—K. T. KOSHY, B.A., B.L. ; *Education*—V. SUNDARARAJ NAIDU, M.A., B.L. ; *Technology*—M. V. KESAVA RAO, B.Sc., Ph.D. ; *Commerce*—A. GOPALA MENON, M.A., B.Com. ; *Ayurveda*—M. N. KESAVA PILLAI ; *Medicine*—J. THALIAT, M.B., B.S., F.R.C.S.

REGISTRAR—P. S. ABRAHAM, B.A., M.Ed.

OFFICER-IN-CHARGE, UNIVERSITY LIBRARY—K. P. PILLAI, M.A.

TEACHING STAFF

HEADS OF DEPARTMENTS OF STUDY IN THE UNIVERSITY

<i>Botany</i>	<i>English</i>
Abraham, A., M.Sc., M.A., Ph.D.	.....
Prof.	
<i>Chemistry</i>	<i>European Languages</i>
Narayanan Poti, A., M.A., Ph.D.	Tomby, T. P., B.A. Lectr.
Prof.	
<i>Commerce</i>	<i>Fine Arts</i>
.....	
<i>Economics</i>	<i>Hindi</i>
Pillai, V. R., B.A., M.Sc. Prof.	Bhaskaran Nair, K., B.O.L. Lectr.
<i>Education</i>	<i>History</i>
Mani, K. M., M.A. Camb., B.A., L.T. Prof.	Pillai, K. P., M.A. Prof.
<i>Engineering</i>	<i>Islamic Studies</i>
.....	
	<i>Law</i>
	Narayanan, K., B.A., B.L. Prof.

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<i>Malayalam</i>	<i>Sanskrit</i>
.....	
<i>Marine Biology & Fisheries</i>	<i>Sciences, Applied Research in</i>
.....	
<i>Mathematics</i>	<i>Statistics</i>
.....	Sivaraman Nair, U., M.A., Ph.D.
<i>Oriental Studies, Research in</i>	<i>Tamil</i>
.....	Jesudasan, C., M.A.
<i>Philosophy</i>	<i>Textile Technology</i>
Sundararaj Naidu, V., M.A., B.L.	Gopalan Nair, M. P.
<i>Physics</i>	<i>Zoology</i>
Venkateswaran, C. S., M.A., D.Sc., F.I.P.	Prof. Bhaskaron Nair, K., D.Sc. Prof.

ADMINISTRATIVE AND OTHER STAFF

Dir. of Res. : C. S. Venkateswaran, M.A., D.Sc., F.I.P. Dir. of Phys. Educn. : 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 : S. S. Pillai, M.A. Warden, Collegiate Hostel for Women : Miss D. P. Muthunayagom, M.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., Psychol., 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—Anna Nidiri, M.A. 57 other teachers.

TRIVANDRUM, *H.H. The Maharaja's Sanskrit College.* An Oriental Coll., providing instruction for the Sanskrit Entrance, Inter. and Post-Mahopadhyaya (B.A. Degree) courses. Principal—N. Gopala Pillai, M.A. 15 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. 6 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.)

TRICHUR, *Maharaja's Technological Institute*. Dipl. and Certif. courses in Civil, Mech. and Electr. Engin. Lectr.-in-charge—K. A. Leons, B.Sc. (Eng.) 29 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, *Institute of Textile Technology*. Dipl. and Certif. courses in Textile Manufacture and Textile Chem. Principal—M. P. Gopalan Nair. 15 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.

COLLEGES ADMITTED TO THE PRIVILEGES OF THE UNIVERSITY

Arts and Science Colleges.

FIRST GRADE COLLEGES

ALLEPPEY, *Sanatana Dharma College*. Provides pass courses in Econ., Maths., Bot., Zool. and Comm. Principal—V. Ramanathan, M.A., L.T. 54 other teachers.

ALWAYE, *Union Christian College*. Provides pass courses in Hist., Philos., Econ., Maths. and Phys. Principal—T. B. Ninan, M.A. 34 other teachers.

CHANGANACHERRY, *St. Berchman's College*. Provides pass courses in Econ., Maths., Phys., Chem., Bot. and Zool. Principal—Rev. Fr. T. William, M.A., L.T. 73 other teachers.

CHITTUR, *Government College*. Provides pass courses in Philos., Econ., Maths., Malayalam, Tamil and Comm. Principal—G. F. Papali, M.A., Ph.D. Lond. 29 other teachers.

ERNAKULAM, *Maharaja's College*. Provides pass courses in Hist., Econ., Maths., Phys., Chem., Bot., Zool., Malayalam and Hindi, and Hons. and postgrad. courses in Econ., Maths. and Chem. Principal—T. C. Sankara Menon, M.A. 77 other teachers.

KOTTAYAM, *C.M.S. College*. Provides pass courses in Hist. and Maths. Principal—P. C. Joseph, M.A. 38 other teachers.

NAGERCOIL, *Scott Christian College*. Provides pass courses in Hist. and Maths. Principal—G. H. Marsden, M.A. 35 other teachers.

QUILON, *Sree Narayana College*. Provides pass courses in Hist., Econ., Maths., Phys., Chem., Bot. and Zool. Principal—A. Rama Iyer, M.A. 78 other teachers.

TRIVANDRUM, *Mahatma Gandhi College*. Provides pass courses in Econ., Maths. and Phys. Principal—V. Narayana Pillai, M.A., B.L. 53 other teachers.

TRIVANDRUM, *Mar Ivanios College*. Provides pass course in Economics. Principal—N. A. Thomas, M.A., L.T., Ph.D., B.D. 42 other teachers.

SECOND GRADE COLLEGES

CHANGANACHERRY, *Assumption College*. Principal—Rev. Fr. Thomas William, M.A., L.T. 24 other teachers.

CHANGANACHERRY, N.S.S. *Hindu College*. Principal—G. Thomas, M.A. 35 other teachers.

PALAI, *St. Thomas' College*. Principal—Rev. Fr. Joseph Kuriathadam, M.A. 28 other teachers.

PANDALAM, N.S.S. *College*. Principal—K. R. Narayana Iyer, M.Sc. New Jersey. 30 other teachers.

QUILON, *Fatima Mata National College*. Principal—Rev. Fr. Mathew Kuthiath, M.A. 25 other teachers.

QUILON, *Sree Narayana College for Women*. Principal—E. K. Santha, M.A., L.T. 18 other teachers.

TRIVANDRUM, N.S.S. *College for Women*. Principal—C. Saradamma, M.A., L.T. 13 other teachers.

Professional Colleges.

TRICHUR, *Government Training College*. B.T. course. Lectr.-in-charge—T. C. Balakrishna Menon, M.A., L.T. 9 other teachers.

TRIVANDRUM, *Ayurveda College*. Dipl. course in Ayurveda. Principal—V. K. Girijavallabha Menon. 10 other teachers.

TRIVANDRUM, *Medical College*. Degree course in Med. Principal—C. O. Karunakaran, M.B., B.S., D.T.M. & H., D.P.H., D.B. 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 Syndicate, consisting of 12 members, forms executive body of Univ., and admin. of affairs of the Univ. and management of instns. maintained by Univ. are vested in the Syndicate. The other authorities of the University are Facs. and Bds. of Studies. At present there are 9 Facs.—Arts, Science, Oriental Studies and Fine Arts, Law, Educn., Technol., Comm., Ayurveda and Med. There are 27 Bds. of Studies.

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 Royal Indian Navy, or Matric. Test Certif. of R.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; B.Sc. (Eng.) 4 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.

DIPLOMAS. Dipl. in Textile Manufacture and Textile Chem. each 3 yrs. Dipls. in Civil, Mech. and Electr. Engin. each 4 yrs. Dipl. in Shorthand and Typewriting 2 yrs.

ORIENTAL STUDIES. The following titles are awarded: Mahopadhyaya (Sanskrit), Sahityavisarada (Malayalam), 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 40,824 vols.; 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 (accomm. for 277 students); Coll. Hostel for Women, Trivandrum (70); Hostel Extension for Women, Trivandrum (157); University Students Hall, Trivandrum (45); Engineering College Hostel, Trivandrum (17); Law Coll. Hostel, Ernakulam (60). 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 : S. Sivarama Pillai, M.A.

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 1950-51

BENEFACTIONS. Rs. 10,23,152.

ACADEMIC DEVELOPMENTS. Facs. of Med. and Ayurveda instituted, and degrees of M.B., B.S. and Bachelor of Ayurvedic Medicine (B.A.M.), 2 yrs.' course, instituted to enable holders of Sahityavisarada title to take B.A. in Malayalam. B.A. course in Sanskrit commenced in Sanskrit Coll. for holders of Mahopadhyaya title.

RESIGNATION. Sri V. K. Nandan Menon, Vice-Chancellor.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	15	13,182
Women	3	3,322
Total	18	16,504

Included in the above are 713 postgraduate students and 6645 first-year admissions.

DEGREES. B.A. (Pass), 379 ; B.A. (Hons.), 15 ; M.A., 9 ; B.T., 127 ; B.L., 104 ; B.Sc. (Pass), 408 ; B.Sc. (Hons.), 15 ; M.Sc., 25 ; Ph.D. (Science), 2 ; B.Sc. (Eng.), 72.

UTKAL UNIVERSITY*

Founded 1943

Postal Address : Cuttack 3, Orissa.

Telegrams : University, Cuttack.

Telephone (Registrar) : 193 Cuttack.

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* (1944). (Telephone : Balasore 18.) B.A., I.Sc. Principal and Admin. Officer, P. S. Sundaram, B.A. Oxon. Teaching Staff—*Bot.*, L. M. Sircar, M.Sc.; *Chem.*, A. S. Mitra, M.Sc.; *Econ.*, J. K. Misra, M.A.; *English*, P. S. Sundaram, B.A. Oxon.; *Hist.*, M. N. Das, M.A.; *Maths.*, B. Ray, M.A.; *Philos.*, H. L. Debnath, M.A.; *Phys.*, A. Bir, M.Sc.; *Sanskrit and Oriya*, S. Hota; *Zool.*, U. C. Panda, M.Sc. 13 other Lectrs.

BARIPADA (Mayurbhanj), *Maharaja Purna Chandra College* (1948). B.A., I.Sc. Principal and Admin. Officer, 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), *Bhadra 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, D. Misra, M.A. Col., Ph.D. Teaching Staff—*Comm.*, S. N. Jena, M.Com.; *Econ.*, R. C. Mohanty, M.A.; *English*, T. C. Nandi, M.A.; *Hist.*, B. C. Ray, M.A.; *Maths.*, M. K. Madikhaya, M.Sc.;

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Oriya, B. Raut, M.A. ; *Philos.*, D. Misra, M.A. Col., Ph.D. *Sanskrit*, Pt. S. Das Sharma. 5 other Lectrs.

CUTTACK, *Christ College* (1944). (*Telephone*: Cuttack 213.) B.A. Principal and Admin. Officer, B. Mohanty, M.A., B.L. Teaching Staff—*Econ.*, V. Subhramanyan, M.A. ; *English*, B. Mohanty, M.A., B.L. ; *Hist.*, G. H. Samantaray, M.A. ; *Maths.*, M. N. Ray, M.A. ; *Oriya*, S. Das, M.A., Dip. in Edn. ; *Philos.*, S. R. Mukherjee, M.A. ; *Sanskrit*, Pt. B. Acharya. 4 other Lectrs.

CUTTACK, *Madhusudan Law College of the Utkal University* (transferred to Univ. by Govt. in 1949). LL.B. Prof. of *Law*, K. Satyanarayan Murthy, B.A., M.L. 6 pt.-time Lectrs.

CUTTACK, *Radhanath Training College* (1923). (*Telephone*: Cuttack 275.) Dip. in Edn. Principal and Admin. Officer, B. Rath, M.A. Lond. 2 other Lectrs.

CUTTACK, *Ravenshaw College* (1868). (*Telephone*: Cuttack 56.) Inter. Arts and Sci., B.A. and B.Sc. (Pass and Hons.), M.A., M.Sc. Principal and Admin. Officer, G. B. Banerjee, M.Sc., Ph.D. Lond. Teaching Staff—*Bengali*, V. N. Mukherjee, M.A. ; *Bot.*, B. Samantaray, B.L., M.Sc., Ph.D. Lond., D.I.C. ; *Chem.*, B. Prasad, D.Sc. Lond. ; *Econ.*, S. Misra, M.A., Ph.D. Lond. ; *Educn.*, G. K. Mohanty, M.A., Dip. in Edn. Brist. ; *English*, B. B. Das, M.A. Patna, A.M. Col., B.Litt. Oxon. ; *Geog.*, M. M. Hasan, M.A., M.Ed. ; *Hist.*, P. Saran, M.A., Ph.D. ; *Maths.*, R. N. Mohanty, M.Sc., Ph.D. ; *Oriya and Sanskrit*, K. K. Kar, M.A., D.Litt. ; *Philos.*, D. N. Dutta, M.A. ; *Phys.*, A. K. Dutta, M.Sc., D.Sc. Dacca ; *Urdu and Persian*, A. Ali, M.A., Dip. in Edn. ; *Zool.*, R. N. Mukherjee, M.Sc., Ph.D. 74 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 Naline 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 Sovra Ray, M.A. 6 other Lectrs.

CUTTACK, *Sri Ramchandra Bhanj Medical College* (1949). (*Telephone*: Cuttack 239.) M.B., B.S. Principal and Admin. Officer, K. N. Misra, B.Sc., M.B., D.T.M., Teaching Staff—*Anat.*, R. K. Mohanty, M.B., B.S., B.Sc. Tor. ; *Biochem.*, K. Subrahmanya, M.Sc. ; *Med.*, Lt.-Col. K. N. Pisharoty, M.B., B.S., D.T.M. Cal., M.D. Madr. ; *Ophthalmol.*, M. C. Misra, M.B., B.S., D.O.M.S. Lond. ; *Obstet. and Gynaecol.*, Miss J. Dei, M.B., B.S. ; *Pathol.*, B. Pattanaik, B.Sc., M.B. Cal., D.P.H. Cal. ; *Physiol.*, S. M. Banerjee, M.Sc., M.D. Cal. ; *Surg.*, G. S. Das Mahapatra, F.R.C.S.Ed. ; *Clin. Surg.*, K. N. Misra, B.Sc., M.B., D.T.M. 34 other Profs. and Asst. Profs. and Lectrs.

CUTTACK, *Stewart Science College* (1944). (*Telephone*: Cuttack 268.) I.Sc. Principal and Admin. Officer, Rev. H. T. Bamfield, B.Sc., Dip. Ed. Birm. Teaching Staff—*Chem.*, S. K. Mukherjee, M.Sc., B.L. ; *English*, Mrs. J. Bamfield, B.A. Manc. ; *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. Lond. Teaching Staff—*Bot.*, K. L. Parthasarathi, M.Sc.; *Chem.*, D. Patnaik, M.Sc., Ph.D. Lond.; *Econ.*, K. P. Nigam, M.A.; *English*, D. K. Guha, M.A.; *Oriya and Sanskrit*, L. Misra, B.O.L.; *Maths.*, M. Suryanarayan, M.A., Dip.Ed.; *Logic*, S. K. Nanda, M.Sc.; *Phys.*, T. Rath, M.Sc.; *Zool.*, K. I. Varghese, M.Sc. 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., I.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.*, R. K. 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.*, B. Misra, 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., the then Minister of Education, Orissa, to frame and draft the University Bill, which, after being passed in the Orissa Legislative Assembly, received the assent of the Governor of Orissa on Nov. 23, 1943, and from that date Utkal University came into being under the Utkal University Act, 1943 (Orissa Act XIII of 1943).

Utkal University is at present a Univ. with which there are affiliated 16 colls., of which 11 are First Grade Colleges, 3 Second Grade Colleges, 1 Medical College and 1 Training College. The one Law College, which prepares for the LL.B., is a University College. 190 High Schools recognized by the Director of Public Instruction, Orissa, are permitted to present candidates for the Matric. 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 Maharajahadhiraja of Burdwan, free of rent. The Govt. of Orissa has arranged to place the present Govt. House at the disposal of the Univ. for use as its office building when the Govt. move to the new capital of Orissa at Bhubaneswar.

The Univ. authorities are: the *Senate*, the supreme governing body of the

Univ.; the *Syndicate*, the Univ. executive body; the *Academic Council*, which deals with academic matters only; the *Faculties*; and the *Matriculation Bd.*

FACULTIES AND DEANS. *Arts*, A. B. Mohanty; *Commerce*,; *Education*, M. C. Pradhan; *Law*,; *Medicine*, Lt.-Col. B. N. Hajra; *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 Royal Indian Navy; Sr. Sch. Certif. Examn. of Govt. of Ceylon; Sr. Cambridge Sch. Certif. Examn.; High Sch. Examn. of Bd. of Sec. Educn., Madhya Bharat, Gwalior; S.S.L.C. Examn. of Sec. Educn. Bd., Mysore; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Rajputana; Bombay Sec. Sch. Certif. Examn. of Sec. Sch. Certif. Examn. Bd. of Govt. of Bombay; High Sch. Examn. of Bd. of High Sch. and Inter. Educn., Uttar Pradesh, Allahabad; Vidya Vinodini Examn. with advanced English and Maths. of Prayag Mahila Vidyapitha, Allahabad.

LIBRARY. 8515 vols., 1250 periodicals, 1100 calendars, prospectuses, etc., of other Univs., 683 Palm-Leaf MSS.

DEGREES. 2 yrs.—B.A. (Pass), B.A. (Hons.), B.Sc. (Pass), B.Sc. (Hons.), B.Com. B.O.L.: no teaching provision made; examn. open to eligible private candidates who are teachers. 5 yrs.—M.B., B.S. 2 yrs. postgraduate—LL.B., M.A., M.Sc. LL.M.—for private candidates only. Ph.D., D.Litt.—by thesis only.

DIPLOMAS. Dipl. in Education (1 yr.); Dipl. in Mod. European Langs. (French and German) (2 yrs.).

COLLEGE FEES (per month). Inter. (Arts 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. 10; M.A., Rs. 12; M.Sc., Rs. 14; Dip. 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 37 students. Both hostels are directly under the control and management of the Univ.

ATHLETIC FACILITIES. Inter.-Collegiate games and sports are organized by a Cttee. apptd. by the Syndicate.

STUDENTS' INFORMATION BUREAU, Cuttack, 3. Sec., S. Misra, M.A., Ph.D. Lond., Prof. in Econ., Ravenshaw Coll.

N.C.C. 1st Orissa Battalion, National Cadet Corps, has 1 Sr. Div. for Colls. in Cuttack, and 9 Jr. Divs. for other Univ. Colls.

PUBLICATIONS. Examn. *Syllabuses*; *Annual Reports*; *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 1950-51

BENEFACTIONS. Foundation Fund, Rs. 3086-4-0 ; Endowment Fund, Rs. 50,282-6-0.

CHANGES IN REGULATIONS. Concessions granted to the failed candidates of the M.B., B.S. (Condensed Course) Examn. who may appear at one or more subsequent examns. on payment of prescribed fee as non-collegiate candidates. Concession granted to non-Oriya students to answer papers in non-lang. subjects in their mother tongue at the Matricn. Examn. of 1952. Exemptions granted to students, who read for 1950 examns., from appearing in the Compulsory M.I.L. Paper in 1952 examns. Regulns. and Courses of Studies framed for introducn. of One-yr. Certif. Course in French and German Langs.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	515	5287
Women	6	406
Total	521	5693

Included in the above are 187 postgraduate students and 2134 first-year admissions.

DEGREES (1951). B.A. (Pass), 370 ; B.A. (Hons.), 65 ; M.A., 41 ; B.Com., 34 ; LL.B., 70 ; M.B., B.S., 42 ; B.Sc. (Pass), 95 ; B.Sc. (Hons.), 28 ; M.Sc., 12.

DIPLOMAS (1951). Education, 81 ; French Lang., 2 ; German Lang., 1.

VISVA-BHARATI

Established 1921 ; incorporated as a Central University, 1951

Postal Address : P.O. Santiniketan, District Birbhum, West Bengal.

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.

ASSISTANT REGISTRARS—KSHITIS ROY, M.A. ; SAILESCHANDRA CHAKRAVARTY, M.Sc.

COLLEGES AND INSTITUTES

VIDYA-BHAVANA. Principal—Prabodhchandra Bagchi, M.A., D. ès L. Paris.

SIKSHA-BHAVANA. Principal—Anil Kumar Chanda, B.Sc. (Econ.) Lond.

PATHA-BHAVANA. Principal—Gopal K. Chatterji, M.Ed.

VINAYA-BHAVANA. Principal—Kulada Prasad Chaudhuri, M.A. Lond.

CHEENA-BHAVANA. Principal—Tan Yun-Shan.

KALA-BHAVANA. Principal—Surendranath Kar.

SANGITA-BHAVANA. Principal—Sailajaranjan Majumdar, M.Sc.

HINDI-BHAVANA. Offg. Principal—Mohanlal Bajpai, M.A.

PALLI-SAMGATHANA VIBHAGA. Director—Dhirananda Roy.

GRANTHANA-VIBHAGA. Director—Charuchandra Bhattacharya, M.A.

GENERAL INFORMATION

The aims and objects 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. 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.

Besides a 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 instructn. for Matriculn. Examn. Medium of instructn. : Bengali.

Siksha-Bhavana (Coll. Section) provides instructn. 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 instructn., 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 instructn. 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. ; 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.

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.

Both Kala-Bhavana and Sangita-Bhavana offer 4-yr. degree 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. Both the Bhavanas provide also for a 1-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 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.

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. ; (v) School text-books ; (vi) Univ. *Bulletins*, *Pamphlets*,

Visva-Bharati News. Visva-Bharati has two cultural organs, *Visva-Bharati Quarterly* in English and *Visva-Bharati Patrika* in Bengali.

THE YEAR 1950-51

BENEFACTIONS. Govt. of India (Annual Grant): Rs. 4,50,000; Govt. of India (Capital Grant): Rs. 2,45,000; other Govts. (Capital Grant): Rs. 39,543; other Govts. (Recurring Grant): Rs. 1,39,557; donations: Rs. 79,823.

HONORARY DEGREE (1952). *Desikottama (D.Litt.)*—Mrs. Eleanor Roosevelt.

STUDENTS. Resident scholars, 382; day scholars, 342. Total: 724.

DEGREES. B.A. Pass, 5; B.A. Hons., 9; B.T., 12.

INDIAN INSTITUTE OF SCIENCE

Founded 1911

Postal Address : Bangalore 3.
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—Prof. 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.
Prof. and Hd. of Dept.

Lecturers

Subramaniam, M. K., D.Sc. Madr.
Narasimha Rao, P. L., M.Sc.
Annam., Ph.D. Bom.

Sirsi, M., M.B., B.S. Mys.

Pillai, S. C., Ph.D. Madr.

6 Res. Assts.

Chemistry, General

Krishnaswami, K. R., D.Sc. Lond.,
F.R.I.C., F.N.I.

Nizam Prof. and Hd. of
Dept.

..... Asst. Prof.

Lecturers

Aswathanarayana Rao, M. R.,
D.Sc. Madr., F.R.I.C.

Ramachar, T. L., M.Sc., Ph.D.
Dacca.

Patel, C. C., Ph.D. Bom.

Chemistry, Organic

..... Prof.
Iyer, B. H., Ph.D. Bom. Lectr.

Muthanna, M. S., Ph.D. Madr.

Economics and Social Sciences

Sastry, N. S. N., M.A., D.Litt.
Mys. Asst. Prof.

Munshi, M. C., M.A., D.Litt. Bom.
Asst. Prof.

Engineering, Aeronautical

Tietjens, O. G., D.Phil. Gött.
Prof. and Hd. of Dept.

Joga Rao, C. V., B.Sc. (Eng.) Ban.,
M.S. Stanford Asst. Prof.

Dhawan, S., Ph.D. Cal. Tech.,
M.A. Panj., M.S. Minn.

Sr. Scientific Officer.

Lecturers

Krishnaswamy, T. N., B.E. Mys.

Srinivasa Rao, P., M.Sc. Calc.

Lakshminarayana, C. N., B.E.
Mys.

Das, A.

1 Res. Asst.

Engineering, Chemical

Lecturers

Ghosh, S. S., M.Sc. Calc.

Sundaramurthy, B. A., B.E. Mys.

Engineering, Electrical Communication

Sreenivasan, K., B.Sc. Mys.
 Prof. and Hd. of Dept.
 Ramakrishna, B. S., M.Sc. Ban.,
 Ph.D. Chic. Asst. Prof.
 Lecturers
 Chatterji, S. K., M.Sc. Calc.
 Basak, H. C., Dip.Ing. Berl.
 Narayana Rao, V., M.Sc. (Tech.)
 Manc.
 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.
 Gopaliengar, N. T., B.E. Mys. Scientific Officer.
 5 Res. Assts.

Metallurgy

Brahm, P., Sc.D. M.I.T., Ph.D. Panj.
 Prof. and Hd. of Dept.
 Ramachandran, E. G., Ph.D. Sheff. Asst. Prof.

Lecturers

Balachandra, J., B.Sc. Annam., B.E. Mys.
 Srinivasan, N. R., Ph.D. Agra.
 Bhattacharyya, M.Sc. Calc.
 2 Res. Assts.

Modern European Languages

Graefe, W., Ph.D. Leipzig Lectr.

Physics

Krishnan, R. S., M.A., D.Sc. Madr., Ph.D. Camb., F.N.I.
 Prof. and Hd. of Dept.

..... Asst. Prof.
 Ramaseshan, S., D.Sc. Nag. Lectr.
 Lectr.

Power Engineering

Ghosh, C. S., M.Sc. Calc., S.M. M.I.T. (Electr. Engin.) Prof.
 Govinda Rao, N. S., B.E. Mys. (Civil and Hydraulic Engin.) Prof.
 Pfestorf, G. K. M., Dr.Phil. Jena (High Voltage Engin.) Prof.
 Ramachandran, A., M.Sc., Ph.D. Purdue (Mech. Engin.) Asst. Prof.
 Badkas, D. J., M.Sc. Nag. (High Voltage Engin.) Asst. Prof.
 Ramachandra Rao, H. N., M.Sc. Calc. (Electr. Engin.) Asst. Prof.
 Seetharamaiah, K., B.E. (Civil and Hydraulic Engin.) Asst. Prof.
 Narayanamurthy, R. G., B.E. Madr., D.I.C. Asst. Prof.
 Narayana Iyengar, B. N., B.Sc. Mys. Asst. Prof.
 Ram, G. J., B.A. Madr., B.Sc. (Engg.) Ban. Asst. Prof.
 Venkata Rao, P., M.Sc. And. Lectr.
 Narayanan, M. S. T., B.E. Mys. Lectr.
 Gopalakrishna, H. V., B.Sc., B.E. Mys. Lectr.
 Narayan, N., B.E. Mys. Lectr.
 Nagaraj, C. N., B.Sc., B.E. Mys. Lectr.
 Lectr.
 Srimivasan, P., B.Sc., B.E. Mys. Lectr.
 Lectr.
 Lectr.
 8 Res. Assts.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrar : S. S. Prabhu, B.A., B.L. Madr. Hd. Accountant : V. Ramadurai, B.A. Madr. Internal Auditor : M. C. Varadachar. Hon. Con-

sulting Med. Officer : M. N. Mahadevan, M.B., B.S., D.T.M. Calc. Hon. Warden, Women's Hostel : Mrs. M. S. Thacker. Warden : N. Kunchithapatham, 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 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. 46,300 vols.

TERMS. July-Sept., Oct.-Dec., Jan.-March.

COURSES. Associateships (equivalent to the M.Sc.I. class of a Univ.) are awarded on the recommendation of the Senate for 5 terms devoted entirely to res. work ; also for 3 terms plus period of res. elsewhere before or after the period spent at the Inst., Fellowships (equivalent to the D.Sc. degree of Univ.) may be awarded to Associates who, having spent 5 yrs. in actual practice, produce satisfactory evidence of original and valuable res. work, or other contribution to the advancement of Scientific or Industrial knowledge. The proposal for the award of *Memberships* of the Institute (equivalent to the Ph.D. degree of a Univ.) is engaging the attention of the Govt. of India. Dipls. are granted to students who satisfactorily complete the approved course of study. 269 Associateships, 8 Fellowships, 6 Hon. Fellowships and 744 Certifs. or Dipls. have been granted.

Postgrad. dipl. courses in Aeronaut. Engin., Metall., Electr. Technol., Power Engin. (Electr., Mech. and Civil), Electr. Communication Engin. and Chem. Technol. and Chem. Engin.

Facilities for research exist in most departments.

FEES. Rs. 144 per session for students admitted to Dipl. course. No fee is charged for students engaged in res. work.

The usual LANGUAGE OF INSTRUCTION is English.

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.

The BUREAU OF INDUSTRIAL AND STATISTICAL INFORMATION which is attached to the Library collects and disseminates information of an industrial and statistical character to research workers of Insts. and industrial establishments in India.

RESIDENCE. Students must reside in the Hostel, which accommodates about 270 students and is attached to the Inst. Sep. accomm. is provided for women students. A room rent of Rs. 12-8 p.m. per person for single rooms and Rs. 10 p.m. per person for double rooms is charged.

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 twice a year. There are also the Staff Common Room and the Tata Memorial Sports Club for the Inst. Staff.

NATIONAL CADET CORPS. There is an Electrical and Mechanical Engineers Wing of the N.C.C.

PUBLICATIONS. *Journal* of the Institute, *Electrotechnics* (Electr. Engin. Soc.); *The Mechanical Engineer* (Mech. Engin. Soc.).

THE YEAR 1950-51

STUDENTS.

	<i>Part-time</i>	<i>Full-time</i>
Men	..	276
Women	..	11
Total	..	287

CEYLON

UNIVERSITY OF CEYLON*

Founded 1942

Postal Address : Colombo 3.

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.

REGISTRARS—A. M. K. CUMARASWAMY, B.Sc. Lond. ; H. J. BALMOND, B.A. Lond.

ASSISTANT REGISTRAR—S. C. BLOK, B.A. Lond., F.L.A.

LIBRARIAN—R. S. ENRIGHT, B.A. Lond., F.L.A.

ASSISTANT LIBRARIANS—K. D. SOMADASA, B.A. ; Mrs. A. T. A. DE SOUZA, B.A. Lond.

DIRECTOR OF PHYSICAL EDUCATION—G. BRANT LITTLE, B.S.C. Notre-Dame.

UNIVERSITY MEDICAL OFFICER—C. E. S. WEERATUNGA, M.B., B.S.

TEACHING STAFF

Agriculture

Livera, E. J., B.Sc. (Agr.) Lond.
Lectr. and Actg. Hd. of
Dept.

Aiyar, S. P., B.A. Madr., Ph.D.
Lond. Lectr.

Baptist, B. A., Ph.D. Lectr.

Seneviratne, S. T., B.Sc. (Agr.)
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.

Abeywickreme, B. A., B.Sc. Lond.,
Ph.D. Camb.

Dissanayake, M. D., B.Sc.
Tambiah, M. S., B.Sc., Ph.D.

Chemistry

..... Hd. of Dept.
Fonseka, E. L., M.Sc., Ph.D. Lond.

Prof. and Hd. of Dept.
de Silva, C. L., B.Sc. Lond.

Lectr.
Sultan Bawa, M. U., B.Sc. Lond.,
Ph.D. Lectr.

Ludekens, W. L. W., B.Sc., Ph.D.
Lectr.

Devanathan, M. A. V., B.Sc., Ph.D.
Lectr.

Chanmugam, J., B.Sc. Asst. Lectr.

Siriwardena, P. P. G. L., B.Sc.
Asst. Lectr.

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

Classics

- Rodrigo, J. L. C., B.A. Lond.,
M.A. Oxon.
Prof. and Hd. of Dept.
Amerasinghe, C. W., B.A. Lond.,
M.A. Camb. Lectr.
Wickremanayake, G. H., B.A.
Lond. and Oxon.
Pathmanathan, R., B.A. Oxon.
and Ceyl. Lectr.

Economics

- Prof.
Lecturers
Jayasuriya, F. R., B.A., B.Sc.
(Econ.) Lond.
Actg. Hd. of Dept.
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.

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.
Jayasekara, U. D., B.A.
Asst. Lectr.
Jayasuriya, J. E., M.A.
Asst. Lectr.
Wickremasuriya, Miss C., B.A.
Lond. Asst. Lectr.

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.,
Ph.D. Lectr.
Klett, G. A., M.A. Lectr.
Wikkramatilleke, W. A. R., M.A.
Clark 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.

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 V., 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.

Sarathchandra, E. R. de S., M.A.,
Ph.D. Lond. Lectr.

Dhirasekera, J. D., B.A. Lectr.

Philosophy

Murti, T. R. V., M.A., D.Litt. Ban.
Prof. and Hd. of Dept.

Mathiaparanam, Miss K., M.A.
Madr. Lectr.

Sarkar, A. K., M.A., Ph.D.
Patna Lectr.

Physics

Mailvaganam, A. W., M.A., Ph.D.
Camb., B.Sc. Lond.

Prof. and Hd. of Dept.

Appapillai, V., B.Sc., Ph.D. Lond.
Reader.

Baliga, S. P., M.A. Madr. Lectr.

Muttucumarana, T. de S., B.Sc.,
Ph.D. Lond. Lectr.

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.

Tilakasiri, J., Ph.D. Lond., B.A.
Asst. Lectr.

Jayasuriya, M. H. F., B.A.
Asst. Lectr.

Gunesinghe, B. A. S., B.A.
Asst. Lectr.

Sinhalese

Hettiaratchi, D. E., B.A. Lond.,
M.A., Ph.D. Calc.

Prof. and Hd. of Dept.

Wijeratne, D. J., B.A. Lond., Ph.D.
Lectr.

Assistant Lecturers

Ariyapala, M. B., B.A., Ph.D.
Lond. (on leave).

Ratnasuriya, Mrs. D. B. V., B.A.
Lond., M.A.

Fernando, P. E. E., M.A. Lond.

Ramandala, M.A. Lond.

Kulasuriya, A. S., D. de l'U. Paris,
M.A.

Sociology

Ryan, B., M.A. Texas, Ph.D. Harv.
Prof. and Hd. of Dept.

Straus, M. A., Ph.D. Wis. Lectr.

Tamil

Kanapathipillai, K., B.A., Ph.D.
Lond., Vidvan Annam.

Prof. and Hd. of Dept.

Chelvanayagam, V., B.A. Lond.,
M.A. Annam. Lectr.

Vithianathan, S., M.A., Ph.D.
Lectr.

Mahadeva, Mrs. M., B.A. Lond.
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.

Medicine

Anatomy
Chanmugam, P. K., M.Sc. Lond.,
L.M.S.

Prof. and Hd. of Dept.
Fernand, V. S. V., Ph.D. Lond.,
L.M.S. Lectr.

Waas, M. J., Ph.D. Manc., L.M.S.
Lectr.

Kanagasunderam, R., M.B., B.S.
(on leave) Lectr.

Jayewardene, F. L. W., M.B., B.S.
(on leave) Lectr.

Wijetunga, H. P. A., M.B., B.S.
Lectr.

Pallie, W., M.B., B.S.
(on leave) Lectr.

Demonstrators

Gunatillehi, D. E., M.B., B.S.

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.
Surg.)

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. Metallurgy)

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 Inter-
med. 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., M.B., B.S.
Lond., L.M.S. (Ward Classes
and Tutorials).

Ratnavale, G. S., M.D. Lond.,
L.M.S. (Ward Classes).

Obeysekera, M.D. Lond.

Josef, B., L.M.S. (Tuberculosis).

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., F.R.C.S., F.R.C.O.G.
Lond., D.L.O. Lond., L.M.S.
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.

Sivailnigam, 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-Thera-
peutics).
- 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.

GENERAL INFORMATION

The University was founded in 1942 by the incorporation of the Ceylon University College, established in 1921, and the Ceylon Medical College, established in 1870. It occupies temporarily the premises of the two Colleges in Colombo, but new buildings are being erected in Peradeniya, four miles from Kandy, on the banks of the Mahaweli-ganga below the Royal Botanic Gardens. When the whole University is moved there it will become entirely residential. The site covers 2200 acres; much of it is too steep for buildings and has been acquired for protective purposes. More land will be required for the Faculty of Medicine and new Faculties. The main buildings are being erected to a plan formulated by Sir Patrick Abercrombie and Mr. Clifford Holliday.

The LANGUAGE OF INSTRUCTION in all Facs. is English, but courses in Sinhalese and in Tamil are given in those languages.

LIBRARIES. The main Library contains 80,000 vols., but there are sectional libraries attached to the laboratories. The University makes a grant to the Ceylon Medical Library, which is used as the Library of the Faculty of Medicine. **LABORATORIES.** Science Labs. in Thurstan Road (moving to Peradeniya in 1956 ; Medical Labs. in Kynsey Road ; Dental Labs. in Ward Place. **HOSPITALS.** The Colombo General Hospital, the De Soysa Maternity Hospital and the Dental Institute are teaching hospitals. Medical students also use the Medical Research Institute and the Kalutara Public Health Centre.

FACULTIES AND DEANS. *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. The Preliminary Examn. is combined with the Higher School Certificate Examn. and is held annually in December. Candidates must have passed the Ceylon Senior School Certificate Examn. or its equivalent.

DEGREE COURSES. B.A. and B.Sc., 3 or 4 yrs. according to type and subject : 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.

CERTIFICATES. Ceylon History, 1 yr. ; Sinhalese or Tamil, 1 yr.

FEES. There are no tuition, examination or degree fees for citizens of Ceylon who are not repeating courses or exams. For others, the tuition fees are : Arts, Rs. 150 ; Science, Rs. 225 ; Medicine, Rs. 525. Every student pays a registration fee of Rs. 25 p.a.

SCHOLARSHIPS FOR GRADUATES. Two in each Faculty (except Medicine), awarded each year for two yrs., value Rs. 600 p.a., on the results of the Final examinations. Hilda Obeyesekere Scholarships are available for graduates of other Univs.

HOSTELS. For men : Union Hostel (Warden : Dr. M. B. Ariyapala), Rs. 197 per term ; University Christian Hostel (Warden : Prof. C. J. Eliezer), Rs. 197 per term ; Aquinas Hall (Catholic) (Warden : Rev. Father S. I. Pinto), Rs. 197 per term ; Grasmere Hall (Warden : Prof. P. K. Chanmugam), Rs. 210 per term. For women : University Women's Hostel (Warden : Miss K. Mathiapparanam), Rs. 197 per term.

THE YEAR 1950-51

BENEFACTIONS. C. E. Jayanaike, Rs. 300, towards endowment which is now Rs. 2970 ; Turf Club, Rs. 25,000 for Fac. of Agric., bringing total to Rs. 104,775 ; W. A. Perera, Rs. 5000 ; Galle Gymkhana Club, Rs. 10,000 ; C. E. Corea Memorial, Rs. 5000 ; P. Domingo Dias Memorial, Rs. 10,000 ; Dr. C. A. Hewavitarane Memorial, Rs. 10,000 ; Woodward, Rs. 3500 ; Adeline Moonesinghe, Rs. 100,000.

NEW BUILDINGS. 3 further Halls of Residence completed at Peradeniya Arts Bldg. complete.

NEW DEPARTMENTS AND POSTS. Lectureships in Pali, Sanskrit, Sinhalese, Econ.; Readership in Maths.; Lectureships in Tamil, Educn., Maths.; Asst. Dir. in Phys. Educn.

PRINCIPAL CHANGES IN ACTS AND REGULATIONS. Degrees in Agric. revised; creation of Fac. of Engin.; establishment of Certif. Courses in Sinhalese and Tamil.

VISITS OF TEACHER TO OTHER UNIVERSITIES. Prof. E. O. E. Pereira, to Engin. Schools in England during the first term 1951-52.

RESIGNATIONS. Prof. I. V. Newman; Prof. H. Cullumbine (apptd. to Ministry of Supply, U.K.); Dr. A. J. Halepota (apptd. to Univ. of Sind).

DEATHS. Prof. A. Kandiah (Chemistry); Prof. M. D. Ratnasuriya (Sinhalese); Rev. Fa Fang (Lectr. in Mahayana Buddhism).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	1756
Women	..	517
Total	..	2273

Included in the above are 18 postgraduate students and 682 first-year admissions.

DEGREES. (1949-50) B.Sc. Agr., 14; B.A., 172; M.A., 3; Ph.D., 1; LL.B., 4; M.B., B.S., 56; B.Sc., 52.

PAKISTAN

UNIVERSITY OF DACCA (p. 1328)

UNIVERSITY OF KARACHI (p. 1338)

UNIVERSITY OF THE PANJAB (p. 1340)

UNIVERSITY OF PESHAWAR (p. 1349)

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UNIVERSITIES OF PAKISTAN

[Specially contributed for this edition by Professor M. Timur, Vice-Chancellor of the University of Peshawar and Chairman of the Inter-University Board of Pakistan.]

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.

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 five 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 1952 was the Registrar of the University of Peshawar. The Board has decided to have its own permanent Secretary from the year 1953, whose Office will be at Karachi.

EDUCATION DIVISION, OFFICE OF THE HIGH COMMISSIONER FOR PAKISTAN, 39 Lowndes Square, London, S.W.1 (*Telephone* : Sloane 3402). Educational Attaché : A. M. Choudhury, M.A. Calc. ; Sr. Education Officer : S. B. Zaman, B.A. Madr. ; Education Officers : L. Aird, B.A. Durh., G. M. Mumtaz, Z. H. Zuberi, Ph.D. Lond., P. Rieger, B.Sc. (Registrar), Z. Hosain (Welfare Officer).

Note

The arrangement of Oriental names in the directory sections has been adopted for convenience of reference and for indexing purposes.

UNIVERSITY OF DACCA*

Founded 1921

Postal Address : Ramna, Dacca, East Bengal.

Telephone : Dacca 114.

VISITOR—H.E. THE GOVERNOR-GENERAL OF PAKISTAN.

CHANCELLOR—H.E. THE GOVERNOR OF EAST BENGAL.

VICE-CHANCELLOR—Lieut.-Col. S. M. HOSSAIN, M.A., LL.D., D.Phil. Oxon.

TREASURER—.....

DEANS—*Arts*—I. H. ZUBERI, M.A. Oxon., Ph.D. Edin., F.R.S.L.;
Science—S. M. MITRA, D.Sc.; *Law*—GEORGE DAHM, LL.D. Heidel.;
Medicine—NOWAB ALI, M.B., D.T.M. Calc.; *Engineering*—T. H.
 MATTHEWMAN, M.Eng. Liv.; *Agriculture*—FARIDUDDIN AHMAD,
 M.S. Corn., M.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. Cal., B.T., Dip. in Edn.
 Leeds and Berl.

CONTROLLER OF EXAMINATIONS—A. RUB CHOUDHURY, M.A.

LIBRARIAN—FAZAL ELAHI, M.A., Dip.Lib. Lond., F.L.A.

TEACHING STAFF

Arabic and Islamic Studies
 Haque, S., M.A., Ph.D. Lond.

..... Prof.
 Reader.

Lecturers
 Aziz, A., M.A.
 Subhan, A., M.A., B.Litt. Oxon.
 Rahim, S. A., M.A., B.L., B.T.
 Ishaque, M., M.A., Ph.D.
 Rahman, K. M. A., M.A., B.T.
 Hasan, S., M.A. (on leave).
 Mohiyyuddin, A. H. M.

Temp. Lectr.
 Hossain, S. U. M. V. Maulana.

Bengali and Sanskrit

..... Prof.

Shahidullah, M., M.A., B.L., D.Lit.
 Paris

Supern. Teacher and
 Actg. Hd. of Dept.

Lecturers
 Hai, M. A., M.A. (on leave).
 Siddique, A., M.A. Temp. Lectr.
 Muhammad, K. D., M.A.
 Pal, H. N., M.A.
 Ali Ahsan, S. A. H., M.A.
 Chakraborty, A. C., M.A. (Sansk.)
 Pt.-time Lectr.

1 Res. Asst.

Biology

Mazumder, G. P., M.Sc., Ph.D.

Prof.

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

Ahmed, M., M.Sc., Ph.D. Camb.
Reader.
..... (Zool.) Reader.

Lecturers

Yousufzai, H. K., M.Sc., D.Phil.
Alld. (on leave).
Wahed Khan, A., M.Sc.
Temp. Lectr.
Islam, A. S., M.Sc. (on leave).
Badiuzzaman, M.Sc. (on leave).
Huq, A., M.Sc. (on leave).
Ahmad, K. A., M.Sc.
Shafiq, S. A., M.Sc. (on leave).
Ali, S. B., M.Sc., Dipl. in Syst. Bot.
and Taxon. (on leave).
Khan, M. S., M.Sc.
Ismail, M., M.Sc. Temp. Lectr.
Khan, S. A., M.Sc.
..... (Zool.).
Siddiqui, A. A. (on leave).
1 Res. Asst., 1 Lab. Asst.

Chemistry

Zernike, J., D.Sc. Amst. Prof.
Readers
Khandkar, M. H., Ph.D. Lond.,
M.Sc.
Ahmad, K., Ph.D. Wis., M.Sc.
(on leave).
Ahmad, M., Ph.D. Penn., M.Sc.
Rahman, M. B., Ph.D., M.Sc.
Calif. Temp.

Lecturers

Sarma, J. C., M.Sc.
Rahman, Mrs. Amina, M.Sc.,
Ph.D. Yale Temp. Lectr.
De, S. C., D.Sc.
Bhuyan, A. M., M.Sc.
Bhuiyan, A. S. M. N. H., M.Sc.
Rahman, A., M.Sc. Temp. Lectr.
Huq, A. K. M. S., M.Sc. (on leave).
Datta, R. N., M.Sc. Temp. Lectr.
Biswas, A., M.Sc. Temp. Lectr.
Latif, K. A., M.Sc. (on leave).
Ahsan, A. M., M.Sc. Temp. Lectr.
Nowab, A., M.Sc.
Hyder, S. Z., M.Sc.
1 Lab. Asst.

Commerce

..... Prof.
Hossain, A. F. A., M.Sc. Lond.
Temp. Reader and Hd.
of Dept.

Lecturers

Safullah, M., M.A. (on leave).
Siddiqui, M. R., M.A. (on leave).
Golam Kibria, A. B. M., M.A.
Temp. Lectr.
Hasnath, A., M.A.
Khan, M., M.A.
Shahadutullah, A. H., M.Com.
Part-time Lecturers
Roy, A. C.
Mostafa, A. T. M., M.A.
Banerjee, K. P., M.A., F.C.A.

Economics

..... Prof.
Ayyar, S. V., M.A.
Temp. Reader and Hd.
of Dept.
Hossain, A. F. A., M.Sc. Lond.
Reader.
Huda, M. N., M.A., Ph.D. Corn.
Reader.

Lecturers

Huq, M., M.A. (on leave).
Uzair, M., M.A. Temp. Lectr.
Haque, T., M.A., M.Sc. Lond.
Hussain, M., M.A. (on leave).
Mahmood, A. N. M., M.A.
Karim, M. E., M.A.
Ahmed, R., M.A.
Pt.-time Temp. Lectr.
Rahman, A., M.A. Temp. Lectr.
Hossain, M., M.A.
Muhinddin, M., M.A.

English

Zuberi, I. H., M.A. Oxon., Ph.D.
Edin., F.R.S.L. Prof.
Turner, J. S., M.A. Oxon. Reader.
Lecturers
Thakurta, J. G., M.A.
Ali Ashraf, A. N. M., M.A. (on
leave).

Huq, A. K. A., M.A.
Temp. Lectr.

Gomes, R. A., M.A.
Hossain, S. S., M.A. (on leave).
Chakraborty, A. B., M.A. (on leave).
Roy, B. C., M.A.
Pt.-time Lectr.
Khan, S. M., M.A.

Geography

Ahmad, N., M.A. (on leave)
Reader.

Lecturers

Rizvi, A. I. H., M.A.
Patel, A. M., M.A. Lond.
Maas, Dr. W. .

Geology

..... Reader, Hd. of Dept.

Lecturers

Hasan, S. M., M.Sc.
Temp. Lectr.
Latif, M. A., M.Sc. (on leave).
Hussain, S. M., M.Sc.
Temp. Lectr.
Maas, Dr. W.

History

Halim, A., M.A., Ph.D. Prof.
Dani, A. H., M.A. Temp. Reader.

Lecturers

Sayeed, A. F. M., M.A.
Bhattacharyya, S. C., M.A.
Rahman, W., M.A.
Kabir, M., M.A. (on leave).
Rahim, M. A., M.A.
Temp. Lectr.
Karim, A., M.A. Temp. Lectr.

International Relations

Alsop, Marjorie, B.Com., M.Sc.
(Econ.) Lond.
Temp. Hd. of Dept.

Lecturers

Aziz, M. A., M.A.
Choudhury, G. W., M.A.
Liu, Y. H. (Chinese).
Nuruzzaman, A. H. M., M.A.
Temp. Lectr.

Maas, Mrs. Madeline (French).
Dahn, F. G. (German)
Pt.-time Teacher.

Islamic History and Culture

..... Prof.
Habibullah, A. B. M., M.A., Ph.D.
Lond.
Reader and Temp. Hd
of Dept.

Lecturers

Majed Khan, A., M.A.
Husaini, S. A. Q., M.A.
Imamuddin, S. M., M.A., D.Phil.
Calc.
Islam, S., M.A.
Abdul Alim, A. K. M., M.A.
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.
Sarkar, U. C., M.L.
Ansari, S., M.A., LL.B.

Part-time Lecturers

Baquer, A. K. M., M.A. Alig.,
LL.B. Lond.
Siddiky, B. A., LL.B.
De, B. K., M.A., B.L. Cal.
Khan, A., M.A., LL.B.
Hussain, A., M.A., B.L.

Mathematics

Pinl, M., Dr.Phil. Vienna, Dr. rer.
nat. Prague (on leave) Prof.
Huq, S. M. A., M.Sc., Ph.D. Lond.
(on leave) Reader.

Lecturers

Hakim, A., M.A., Ph.D.
Temp. Lectr. & Actg.
Hd. of Dept.
Rahman, M., M.A.
Khalifa, A. R., M.Sc.

Sardar, R. A., M.Sc.
 Huq, M. S., M.A., M.Sc. Temp. Lectr.
 Salam, S. A., M.Sc. Temp. Lectr.
 Datta, H. N., M.Sc.

Persian and Urdu

Shadani, W. H. A., M.A., Ph.D. Lond. Prof.
 Furuqi, M. T., M.A. Agra Reader.

Lecturers

Azad, S. M. Z. H., B.A. (on leave).
 Fauq, H. Q., M.A. Temp. Lectr.
 Huda, M. Z., M.A.
 Chaudhury, F. A., M.A.
 Siddiqui, A. A., M.A., Ph.D. Alig
 Subzwari, S. S., M.A.
 Ahmad, M., M.A. Temp. Lectr.

Part-time Lecturers

Quadri, Z. M. Y. A., M.A. Temp.
 Hasan, S. N., M.A. Temp.

Philosophy

Jilani, G., M.A., Ph.D. Lond. Prof.

Lecturers

Maron, S., M.A. Chic., D. de l'U. Paris.
 Zaidi, S. M. H., M.A., LL.B.
 Ahmad, K., M.A.

Physics

..... Prof.
 Readers
 Mitra, S. M., D.Sc.
 Actg. Hd. of Dept.
 Ali, I., M.Sc. N.Y.
 Chaudhury, A. M., M.Sc., Ph.D., F.R.Met.S.

Lecturers

Mukherjee, S. S., M.Sc.
 Mukherjee, S. K., M.Sc.
 Biswas, S. C., M.Sc.
 Karim, M., M.Sc., Ph.D. Alig., Ph.D. Tor.
 Qasim, M. A., M.Sc.
 Choudhury, K. D., M.Sc., Ph.D.

Ertaza, A., M.Sc. (on leave).
 Emran, M. Temp. Lectr.
 Siddiqui, A. K. M., M.Sc.
 Sirkar, M. R., M.Sc.

Temp. Lectr.
 Rahman, S. M. F., M.Sc.
 Temp. Lectr.
 Huq, A., Ph.D. Lond.
 Pt.-time Lectr.

1 Res. Asst.

Physiology

Lecturers

Mitra, S. K., B.Sc., M.B. Cal., D.T.M. & H., D.P.H. Lond.
 Pt.-time.
 Jabbar, A., M.Sc. (on leave).
 Rahman, H., M.Sc. Temp.
 Chakravorty, N. C., M.B.

Political Science

Newman, K. J., LL.D., D.Phil. Oxon. Prof.
 Reader.

Lecturers

Razzaq, A., M.A.
 Sayeed, K. B., M.A. Madr., B.Sc. (Econ.) Lond.
 Mahmood, B. Z., M.A. Osm. and Col.
 Rahman, M., M.A.
 Maksum-ul-Hakim, M.A.

Pt.-time Lectr.
 Karim, N., M.A. (on leave).
 Zuberi, M. A., M.A. Temp. Lectr.
 Miah, N. M., M.A. Temp. Lectr.

Soil Science

Ghani, M. O., M.Sc., Ph.D. Lond. Prof.
 Agric. Chemist.

Lecturers

Zoha, S. M. S., M.Sc. Alig., M.Sc. (Tech.) Manc.
 Karim, A., M.Sc., Ph.D. Adel.
 Temp. Lectr.
 Huq, A. K. F., M.Sc.
 Karim, A. Q. M. B., M.Sc., Ph.D. Lond.

Hasan, K. A., M.Sc. Temp. Lectr.	Maniruzzaman, A. N. M., M.Sc.
i Demr.	Atiqullah, M., M.A.
<i>Statistics</i>	Obaidullah, M., M.Sc.
Hussain, Q. M., M.A. Calc., Ph.D.	Temp. Lectr.
Lecturers	Reader.
Maswood Ali, M., M.Sc.	Qamruddin, M., M.A.
	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. ; Asst. Registrar : K. C. Chowdhury, B.A. ; Asst. Controller of Examns. : Fazlul Haq, B.A. ; Sec. to Vice-Chancellor : A. N. M. Ali Hasan, Ph.D. Lond. Chief Accountant : K. C. Karmakar, B.A. Physical Dir. : Capt. M. Rahman, B.A. Physical Instrs. : M. Ahmad, B.A., M. B. Hossain Khan. Steward : M. Debiruddin Meah. Sec., Univ. Students' Information Bureau : M. H. Khundkar, M.Sc., Ph.D. Lond.

CONSTITUENT COLLEGES

DACCA, *Ahsanullah Engineering College*, Ramna. B.E. Principal—T. H. Matthewman, M.Eng. Liv.

DACCA, *Dacca Medical College*, Ramna. M.B., B.S. Principal—Nowab Ali, M.B., D.T.M. Calc.

DACCA, *East Bengal Agricultural Institute*, Tejgaon. B.Ag. Principal—Fariduddin Ahmad, M.S. Corn., M.Sc.

DACCA, *East Pakistan College of Animal Husbandry*, Tejgaon. B.Sc. (Vet.). Principal—S. M. Ali, B.Sc.

DACCA, *Teachers Training College*, Armanitola. B.T. Principal—M. S. Choudhury, M.Sc., B.T.

MYMENSINGH, *Primary Training College*. Dip. in Edn., Higher Dip. in Edn. Principal—S. N. Q. Zulfaqar Ali.

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.

BARISAL, *Fazlul Hoq College*, Chakhar. B.A., I.A., I.Sc., I.Com. Principal—S. F. Rahman, M.A., B.T.

BARISAL, *Latif Islamic Intermediate College*. I.A. Principal—Q. A. Awal, M.A.

BOGRA, *Azizul Hoq College*. B.A., I.A. I.Sc. Principal—A. G. Huq M.A.

CHITTAGONG, *Chittagong College*. B.A., B.Sc., I.A., I.Sc. Principal—M. Z. Islam, M.A.

CHITTAGONG, *Government College of Commerce*. B.Com., I.Com. Principal—S. A. Sharfuddin, M.A. (Com.).

CHITTAGONG, *Islamic Intermediate College*. I.A. Principal—Syed Muzaffar Uddin, M.A.

CHITTAGONG, *Satkania College*, Satkania. I.A. Principal—A. A. M. Azizullah, M.A.

CHITTAGONG (KANUNGOPARA), *Sir Asutush College*. B.A., I.A., I.Sc. Principal—M. L. Nag, M.A.

CHITTAGONG (NAZIRHAT), *Nazirhat College*. I.A., I.Com. Principal—B. N. M. Khan, M.A., LL.B.

COMILLA, *Victoria College*. B.A., B.Sc., I.A., I.Sc. Principal—A. H. Khan, M.A.

DACCA, *Dacca College*. B.A., I.A., I.Sc., I.Com. Principal—S. Z. Choudhury, M.A.

DACCA, *Eden Girls' College*. B.A., I.A. Principal—Mrs. F. Zoha, M.A.

DACCA, *Imperial Salimullah Intermediate College*. I.A., I.Com. Principal—K. P. Banerjee, M.A.

DACCA, *Islamic Intermediate College*. I.A., I.I.S. Principal—S. Sarafuddin, M.A.

DACCA, *Jagannath College*. B.A., I.A., I.Sc., I.Com. Principal—Khan Bahadur A. Rahman, M.A., B.T.

DACCA, *Narsingdi College*, Narsingdi. I.A. Principal—Kalipada Sen Gupta, M.A.

DACCA, *Quaid-I-Azam College*. I.A., I.Com. Principal—S. Z. Ahsan, M.A.

DACCA, *St. Gregory's College*. I.A. Principal—Rev. J. J. Harrington, A.B.

DACCA (MANIKGANJ), *Devendra College*. B.A., I.A. Principal—A. Ahmed, M.A.

DACCA (MUNSHIGANJ), *Haraganga College*. B.A., B.Com., I.A., I.Sc., I.Com. Principal—B. L. Siromony, M.A., B.L.

DACCA (NARAYANGANJ), *Seth Tolaram College*. I.A., I.Com. Principal—K. N. Chakraborty, M.A.

DACCA (TEJGAON), *Holy Cross College*. I.A. Principal—Sister Augustine Marie, M.A.

DINAJPUR, *Surendra Nath College*. B.A., I.A., I.Sc. Principal—G. C. Deb, M.A., Ph.D.

FARIDPUR, *Quaid-E-Azam Memorial College*, Gopalganj. I.A. Principal—P. K. Das Gupta, M.A.

FARIDPUR, *Rajendra College*. B.A., I.A., I.Sc. Principal—A. M. Chakravorty, M.A.

FARIDPUR, *Ramdia College*. I.A., I.Sc. Principal—U. N. Biswas, M.A.

FARIDPUR (MADARIPUR), *Nazimuddin College*. B.A., I.A., I.Com. Principal—A. R. Bhattacharya, M.A.

JESSORE, *M.M. College*. B.A., I.A. Principal—A. R. Joarder, M.A.

JESSORE (MAGURA), *Saheed Suhrawardy College*. I.A. Principal—M. Rahman, M.A.

JESSORE (NARAIL), *Narail Victoria College*. I.A., I.Sc. Principal—G. Banerjee, M.A.

KHULNA, *Rajendra Girls' College*. I.A. Principal—Amulyadhan Sinha, M.A.

KHULNA (BAGERHAT), *P.C. College*. B.A., I.A., I.Sc. Principal—M. K. Ganguli, M.A.

KHULNA (DAULATPUR), *Braja Lal College*. B.A., B.Sc., I.A., I.Sc. Principal—C. Bose, M.A.

KHULNA (SATKHIRA), *Satkhira College*. B.A., I.A., I.Sc. Principal—U. P. Dutta, M.A.

KUSHTIA, *Kushtia College*. B.A., I.A., I.Sc., I.Com. Principal—A. M. Z. Islam, M.A.

MYMENSINGH, *Ananda Mohan College*. B.A., B.Sc., I.A., I.Sc. Principal—A. K. Lahiti, M.A.

MYMENSINGH, *Bhuapur College*, Bhuapur. I.A., I.Com. Principal—M.I.K.L. Rahman, M.A.

MYMENSINGH, *Dhanbari College*, Dhanbari, Tangail. I.A. Principal—A. Khaliq, M.A.

MYMENSINGH, *Nasirabad Islamic Intermediate College*. I.A. Principal—R. Ahmed, M.A., B.T.

MYMENSINGH (BHAIRAB), *Haji Asmat College*. I.A. Principal—M. Idris, M.A.

MYMENSINGH (GAFFARGAON), *Gaffargaon College*. I.A. Principal—S. S. Ahmad, M.A.

MYMENSINGH (JAMALPUR), *Asheq Mahmud College*. B.A., I.A., I.Com. Principal—A. H. M. A. Quddus, M.A.

MYMENSINGH (KARATIA), *Saadat College*. B.A., I.A., I.Sc. Principal—T. Ahmed, M.A.

MYMENSINGH (KISHOREGANJ), *Gurudayal College*. B.A., I.A., I.Sc. Principal—A. Razzaq, M.A., B.T., Dip. in Edn.

MYMENSINGH (TANGAIL), *Kumudini College*. B.A., I.A. Principal—N. A. Hameed, M.A.

NOAKHALI, *Chaumuhini College*. B.A., I.A. Principal—T. Hossain, M.A.

NOAKHALI, *Feni College*, Feni. B.A., I.A. Principal—A. C. Rakshit, M.A.

PABNA, *Edward College*. B.A., B.Sc., I.A., I.Sc. Principal—A. Ahmed, M.A.

PABNA, *Islamic Intermediate College*, Serajganj. I.A. Principal—K. A. Jalil, M.A.

PABNA, *Serajganj College*, Serajganj. B.A., I.A. Principal—G. D. Majumdar, M.A.

RAJSHAHI, *Adina Fazlul Houq Islamic Intermediate College*. I.A. Principal—M. Ahmed, M.A.

RAJSHAHI, *Rajshahi College*. B.A., B.Sc., I.A., I.Sc., I.Com. Principal—A. M. Choudhury, M.A.

RAJSHAHI (NAOGONG), *Basiruddin Memorial Co-operative Islamic Intermediate College*. I.A. Principal—M. A. Hossain, M.A.

RANGPUR, *Carmichael College*. B.A., B.Sc., I.A., I.Sc. Principal—Syed Shahabuddin, M.Sc.

RANGPUR, *Gaibanda College*. I.A. Principal—M. Jusuf Ali, M.A., B.T., B.L.

SYLHET, *M.C. College*. B.A., B.Sc., I.A., I.Sc., I.Com. Principal—A. Hena, M.A.

SYLHET, *M.M. College*. B.A., I.A. Principal—P. C. Goswami, M.A.

SYLHET, *Women's College*. B.A., I.A. Principal—G. C. Dutta, M.A.

SYLHET (HABIGANJ), *Brindaban College*. B.A., I.A. Principal—Ramjan Ali, M.A.

SYLHET (SUNAMGANJ), *Sunamganj College*. I.A., I.Sc. Principal—D. N. Bhattacharyya, M.A.

TIPPERAH, *Brahmanbaria College*. I.A., I.Com. Principal—Ali Azhar, M.A.

TIPPERAH, *Chandpur College*. I.A. Principal—P. C. Ganguli, M.A.

TIPPERAH, *Srikail College*. B.A., I.A., I.Sc. Principal—K. K. Sen Gupta, M.A.

TIPPERAH (PASCHIMGAON), *Nawab Faizunessa Islamic Intermediate College*. I.A. Principal—M. A. Khair, M.A.

GENERAL INFORMATION

The University was established in 1921 under the Govt. of India Act XVIII of 1920, which was based on the recommendations of the Calcutta Univ. Commission presided over by Sir Michael Sadler, and provides for the constitution of Facs. of Arts, Sci., Law, Agric., Med. and Engin. It was established as a unitary, teaching and residential Univ. with a constitution similar in many respects to that of modern English Univs. Following the creation in 1947 of the province of East Bengal as part of Pakistan, the East Bengal Educational Ordinance, 1947, was promulgated, by which the Univ., without prejudice to its original character as a teaching and residential Univ., is entrusted with sole authority to recognize and affiliate all educnl. institutions in E. Bengal above Matricn. and High Madrassa standard. Accordingly, in 1947, the Univ. affiliated 55 first and second grade Colls. spread over the whole of E. Bengal, as well as several other institutions. The number has since increased and is still increasing.

The Univ. area covers about a square mile of fine parkland, including over 100 acres of playing fields, and lies about 1 mile N.W. of the centre of Dacca City.

The authorities of the Univ. include the Court, the Executive Council, the Academic Council and the Faculties.

RESIDENCE. Students reading in the Univ. itself must live either in one of the Halls of Residence or under specially approved conditions. Halls for Muslims: Salimullah Muslim Hall (accomm. for 400 students), Fazlul Huq Muslim Hall (250); for non-Muslims: Dacca Hall (160), Jagannath Hall (partially in use by Govt.; students transferred to Dacca Hall). Women Students' Residence (25). Iqbal Hall, a new student residence, will be opened shortly. For Provosts *see* p. 1328.

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. 1328.

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., 2 yrs. ; LL.B., 3 yrs. (all M.A. and Dacca Hons. B.A., 2 yrs.) ; LL.M., 3 yrs. Ph.D., D.Litt., D.Sc., LL.D. open to graduates of 3 yrs.' standing, but graduates of other Univs. must pursue res. in this Univ. for 2 yrs.

DIPLOMAS AND CERTIFICATES. Dipl. in Educn. and Higher Dipl. in Educn., 1 yr. each ; Certifs. of Proficiency and High Proficiency in Urdu (Adib and 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 : 10 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 attention. Resident students also receive medical care in the Halls. There is one Medical Officer and one Asst. Medical Officer.

The **STUDENTS' INFORMATION BUREAU** assists students to secure admission to foreign Univs. and other insts. The Bureau Library contains up-to-date calendars, handbooks, pamphlets and prospectuses of foreign educational and technical insts. for reference by students. 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. Latif 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 1950-51

RESIGNATIONS. 12 teachers.

DEATH. S. C. Banerjee (Bengali).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	21,079
Women	..	490
Total	..	21,569

Included in the above are 1200 postgraduate students and 520 new admissions. Reading in Univ. : 2260 M., 70 W. ; in Constituent Colls., 1181 M., 15 W. ; in Affiliated Colls., 17,638 M., 405 W.

DEGREES. B.Sc. (Ag.), 19 ; B.A. (Hons.), 59 ; B.A. (Pass), 606 ; B.Com., 119 ; B.T., 75 ; M.A., 137 ; Spec. Engineering, 22 ; LL.B. (Final), 28 ; M.B., B.S., 17 ; B.Sc. (Hons.), 16 ; B.Sc. (Pass), 136 ; M.Sc., 34 ; Ph.D., 3 ; D.Sc., 1 ; M.Com., 21.

DIPLOMAS AND CERTIFICATES. Book-keeping and Accountancy, 5 ; Engin. Dipl. (Pt. III), 22 ; Sub-Overseer, 6 ; Survey Final, 13 ; Veterinary Examns., 24.

UNIVERSITY OF KARACHI *

Founded 1950

Postal Address : Princess Street, Karachi.

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—.....

REGISTRAR—MIRZA AKHTAR HOSAIN, M.A. Alld.

DEPUTY REGISTRAR—M. ABDUR RAHIM, M.A., B.L. Calc.

ADMINISTRATIVE AND OTHER STAFF

Superintendent (Academic and General) : S. M. Najmuddin, M.A. Patna.
Superintendent (Examns.) : Syed Badrul Islam, B.A. Panj. Assistant
Librarian : Abdul Moid, B.A., Dip.Lib.

TEACHING COLLEGES IN KARACHI RECOGNIZED BY THE UNIVERSITY

SIND MUSLIM COLLEGE. M.A. and I.Sc. Principal—Syed Ghulam Mustafa
Shah, M.A., LL.B. Alig., M.Ed. Natal.

URDU COLLEGE. M.A. and B.Com. (Urdu is the medium of instruction.)
Principal—Aftab Hasan, M.Sc. Alig., B.Sc. Lond.

ISLAMIA COLLEGE. M.A. Principal—A. M. Mulavi, M.A. Bom., Dip.
O.S. Lond.

D.J. SIND GOVERNMENT SCIENCE COLLEGE. B.Sc. and in Chem., Maths.
and Zool. up to M.Sc. Principal—A. L. Shaikh, M.Sc. Bom.

CENTRAL GOVERNMENT COLLEGE FOR WOMEN. B.A. and B.Sc. Principal—
Miss J. J. Mackey, M.A. Lond.

ST. JOSEPH'S COLLEGE FOR WOMEN. B.A. Principal—Sister Mary Alban.

SIND GOVERNMENT COLLEGE OF COMMERCE AND ECONOMICS. B.Com.
Principal—A. L. Shaikh, M.Sc. Bom.

GOVERNMENT S.T. COLLEGE. B.T. Principal—I. Y. Sulaiman, B.A., B.T.,
Dip.Ed. Leeds.

SIND MUSLIM LAW COLLEGE. LL.B. Principal—Hassanally A. Rahman.

DOW MEDICAL COLLEGE. M.B., B.S. Principal—Lt.-Col. A. K. M. Khan,
D.M.R., D.L.O., F.R.C.S.

N.E.D. GOVERNMENT ENGINEERING COLLEGE. B.E. (Civil, Mech. and
Electr.). Principal—M. K. Kewalramani, M.A. Bom.

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

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. For the time being it is functioning as an affiliating and examining Univ., but a scheme for establishing postgraduate teaching and research directly under the control of the Univ. has been worked out. The teaching staff is in the course of selection and the labs. and class rooms are being equipped. It is expected that during the course of the academic yr. 1952-53 a good deal of the postgraduate work being done by the Colls. will be centralized in the Univ.

FACULTIES. Islamic Learning ; Arts ; Science ; Law ; Medicine ; Education ; Engineering and Technology ; Commerce.

TEACHING HOSPITAL. Civil 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.* : F.E., S.E., 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 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. 40 to Rs. 100.

TERMS. 1st term : June 20 to Oct. 10 ; 2nd term : Nov. 10 to March 10.

MEDIUM OF INSTRUCTION. English in all subjects of all examns. Urdu in Arts up to M.A., in Sci. up to Inter. and in Comm. up to B.Com.

RECREATION. The Univ. Bd. of Sports 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.

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.

THE UNIVERSITY OF THE PANJAB*

LAHORE

Founded 1882

Postal Address : Lahore, 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.

REGISTRAR—M. BASHIR, B.Sc. Edin.

TEACHING STAFF

[(U.)=maintained entirely by the Univ.; (G.C.)=Government College; (F.C.C.)=Forman Christian College; (I.C.)=Islamia College; (D.S.C.)=Dyal Singh College; (T.I.C.)=Talim ul Islam College; (L.W.C.)=Lahore College for Women; (Eng. C.)=Punjab College of Engineering and Technology; (M.A.O.)=M.A.O. College.]

Arabic [Hon. Hd. of Dept. Anwer, M., M.Sc. Lectr. (U).
Koreshi, B. A., M.A. Berl., Ph.D.

Lecturers

Al-Arabi, M. (U).
Rasul, K. (U).
Qayyum, A., M.A. (G.C.).
Inayat Ullah, I.
Zaheer-ud-Din, Kazi.

Arts and Crafts

Ahmad, Mrs. A. M. Hd. of Dept.
Ziar, Mrs. M. Lectr. (U).
Afzal, Mrs. A., B.A., D.F.A.
Lectr. (U).
Feroz-ud-Din, R., B.A., D.F.A.
Demr.

Astronomy

Zia-ud-Din, M.A., Ph.D. Wales,
F.S.S.
Curator of Observatory
and Hd. of Dept.

Botany

Lodhi, S. A., M.Sc. Corn.
Sr. Lectr. and Hd. of
Dept.

Lecturers

Hamid, A., M.Sc. (U).
Salim, M., M.Sc. (U).
Ikran-ul-Hassan, M.Sc. (U).
Ahmad, Z., M.Sc. (U).
Qureshi, A. A., M.Sc., Ph.D.
(G.C.).
Ahmad, S., M.Sc., Ph.D. (G.C.).
Muhammad Aslam, M., M.Sc.
(G.C.).

Chemical Technology

Ahmad, N., D.Sc. Munich
Dir. of Inst.
Salah-ud-Din, K., M.Sc.
Reader (U).

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

Lecturers

Rashid, A. A., M.Sc. (U).
 Bandey, A. H., M.Sc. (U).
 Qureshi, A. K., M.Sc. (U).
 Riaz Ali, S., M.Sc. (U).
 Rashid, A. A., M.Sc. (U).
 Zafrullah, M., M.Sc. (U).

Chemistry

Ahmad, B., M.Sc., Ph.D. Lond.
 Dir. of Inst.
 Basruddin, M.Sc., Ph.D. (Gen.
 and Analyt. C.) Reader.

Senior Lecturers

Kamal, A., M.Sc., Ph.D. (U).
 Chughatai, I-u.-D., M.Sc., Ph.D.
 (U).

Chaudhry, M. T., M.Sc., Ph.D.
 Faseeh, S. A., M.Sc., Ph.D.

Lecturers

Zahid, M. S., M.Sc. (U).
 Dubash, E., M.Sc.
 Rahman, R-ur., M.Sc.
 Hussain, A., M.Sc.

Economics

Akhtar, S. M., M.A., Ph.D. (Econ.)
 Reader and Hd. of Dept.
 Aurakzai, A. A. K., M.A.
 Lectr. (U).
 Munir Hussain, S., M.A.
 Lectr. (U).
 Thompson, C., M.A., Ph.D.
 Prof. (F.C.C.).

Rashid, M., M.A. Lectr. (G.C.).
 Anwar, S. M., M.A. Lectr. (G.C.).
 Aslam, K. M.

French

.....
 Lucena, J. S. Temp.

Geography

Ahmad, K. S-u.-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).
 Khan, F-u.-R., M.A. (U).

Haye, A., M.A. (I.C.).
 Khan, F. U. (G.C.).
 Kureshi, Miss M. (L.W.C.).
 Riaz, H. K., M.A.

Geology

Saeeduddin Ahmad, K., M.A.,
 Ph.D. Lond. Hd. of Dept.
 Israrullah, M.Sc. Alig. Sr. Lectr.

German

Baranov, Mrs. W. Lectr. (U).

History

Hussain, D., M.A. Camb.
 Hon. 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.O.).

International Affairs

Friters, G. M., D. ès. Sc. Pol.
 Geneva Hd.

Islamiiyyat

Siddiqui, A.-u.-D., M.A.
 Hd. of Dept.

Journalism

Khursheed, A. S., M.A.
 Hd. of Dept.
 Ahmad Khan, M. Lectr. (U).

Mathematics

Abdussalam, M., M.A. Camb.
 Hon. Hd. of Dept.

Lecturers

Chawla, L. M., M.A. (G.C.).
 Qureshi, T. A., M.A. (G.C.).
 Roomani, F. D. A., M.A. (D.S.C.).
 Yasin, M., M.A. (G.C.).
 Nasir-ud-Din, M.A. (I.C.).
 Safdar, M., M.A. (T.I.C.).
 Ahmad, M.
 Sanaullah Ahmad, R.
 Hussain, M.

Mohammad, A.
Maqbool, M. M. A.

Persian

Baqir, M., M.A., Ph.D. Lond.
Reader and Hd. of Dept.
Abedi, A. H. Reader (U.).

Lecturers

Abid Ali Abid, S., M.A., LL.B.
(D.S.C.).
Tabussum, G. M., M.A., B.T.
(G.C.).
Salik, I.-u.-D., M.A., M.O.L.
(I.C.).
Ahsan, A. S., M.A. (U.).

Pharmacy

Amin, M., M.Sc., Ph.D. Paris
(U.).
Salahuddin, M.Sc. Lectr. (U.).
Warsi, S. D., M.Sc. (U.).
Kazmi, H. A., M.Sc. (U.).
Ikram-ul-Hassan, M.Sc. (U.).

Physical Training

Khan, T. A., B.A. Dir.
Dar, A. M. Asst. Dir.
Birlas, Mrs. A. A. B., B.A., D.P.E.
Lond. Directress.

Physics

Majid, M. A., M.Sc. Alig., Ph.D.
Lond. Hd. of Dept.
Pal, A. B., M.Sc., Ph.D.
Reader (U.).
Chowdhry, A. G., M.S.
Sr. Lectr. (U.).

Lecturers

Hasan, A.-u.-D., M.Sc. (U.).
Beg, A. H., M.Sc. (I.C.).
Martin, J. (F.C.C.).

Political Science

Friters, G. M., D. ès Sc. Pol.
Geneva (Pol. Sci. and Inter-
natnl. Affairs)
Prof., Hd. of Dept. (U.).

Lecturers

Hamid, A., M.A. (G.C.).
Ali, S., M.A. (U.).

Judy, J. D. (F.C.C.).
Aslam, K. M. (I.C.).

Spanish

Lucena, J. S.
Lectr. and Hd. of Dept.

Statistics

Ahmad, Z.-u.-D., M.A., Ph.D.
Wales, F.S.S.
Reader and Hd. of Dept.
Muhammad, A., M.A.
Lectr. (F.C.C.).
Siddiqui, M.-ud-D., M.A.

Urdu

Abdullah, S. M., M.A., M.O.L.,
D.Litt.
Reader and Hd. of Dept.
Abid, A. A., M.A., LL.B.
(D.S.C.).
Asar, G. M. D. (G.C.).
Siddiqui, A. L., M.A., Ph.D.
Sr. Lectr. (U.).
Brelvi, E., M.A., Ph.D.
Sr. Lectr. (U.).
Azim, V., M.A. Lectr. (U.).
Ansari, M. A., M.A. Lectr. (U.).

Zoology

Bhatty, H. K., M.Sc., Ph.D. Camb.
Reader and Hd. of Dept.
Sharif, M., D.Sc. Panj., Ph.D.
Camb. Prof. (G.C.).

Senior Lecturers

Ahmad, M., M.Sc. Alig., Ph.D.
Chic. (U.).
Zia-ud-Din, K., M.Sc., Ph.D.
(U.).
Sarwar, S., M.Sc. (G.C.).
Ahmad, S., M.Sc. (G.C.).

Lecturers

Bakr, A., M.Sc. (U.).
Bokhari, W. H. (G.C.).

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UNIVERSITY COLLEGES

LAHORE, *Hailey College of Commerce*. (Telephone: 2968.) Principal—M. Hassan, M.A. Courses up to M.Com.

LAHORE, *Law College*. (Telephone: 4453.) Principal—A. Q. Malik, B.A. Courses up to LL.M.

LAHORE, *Oriental College*. (Telephone: 2573.) Principal and Prof. in Arabic—B. A. Qureshi. M.A. courses in Arabic, M.O.L. in all subjects, Proficiency and High Proficiency Classes in Arabic, Persian and Urdu, res. facilities for Ph.D.

TEACHING COLLEGES IN LAHORE AFFILIATED TO THE UNIVERSITY, MAINTAINED BY THE GOVERNMENT OF THE PANJAB

Dentistry

LAHORE, *de Montmorency College of Dentistry* (Telephone: 4695) (Govt.). B.D.S. Principal—Abdul Haq, M.B., B.S., B.D.S.

Engineering

LAHORE, *Punjab College of Engineering and Technology*. (Telephone: 4473.) B.Sc. Eng. (Civil, Mech. and Elect.). Principal—D. A. Howell.

Medicine and Surgery

LAHORE, *Fatimah Jinnah Medical College for Women*. (Telephone: 3767.) 2nd Prof. M.B., B.S. Principal—Shujaat Ali, M.D.

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.

MULTAN, *Nishtar Medical College*. Principal—Dr. M. J. Bhutta.

Teaching

LAHORE, *Central Training College*. (Telephone: 3691.) B.T. Principal—B. A. Hashmi, M.A., M.Ed.

LAHORE, *Islamia College for Women*. (Telephone: 3574.) B.T. Principal—Mrs. S. A. Khan, M.A., M.O.L., LL.B.

LAHORE, *Lady MacLagan Training College for Women*. (Telephone: 4447.) B.T. Principal—Saeeda Begum, M.A., B.T.

Veterinary Science

LAHORE, *Punjab Veterinary College*. (Telephone: 3414.) B.V.Sc. Principal—Dr. S. D. Ahmad.

TECHNICAL COLLEGE OUTSIDE LAHORE AFFILIATED TO THE UNIVERSITY

LYALLPUR, *Agricultural College (Govt.)*. B.Sc. in Agric.; Agric., Bot., Chem., Zool. and Entomol. for M.Sc. in Agric. Principal—A. W. Choudhari, B.Sc. Edin.

AFFILIATED COLLEGES RECOGNIZED IN DEGREE OR DIPLOMA COURSES

B.A., M.A., etc.—A., As., B., Ch., E., Ec., F., Geog., G., H., Hi., Isl., M., Mil., Min., P., Pb., Ph., Pol. Sc., Ps., Psych., S., Tech. Ch., Th., U., Z. = Affiliated up to B.A., M.A., etc., in Arabic, Astronomy, Botany, Chemistry, English, Economics, French, Geography, Geology, History, Hindi, Islamiyyat, Maths., Military Science, Mineral., Persian, Punjabi, Philos., Pol. Science, Physics, Psychol., Sanskrit, Technical Chemistry, Theology, Urdu and Zoology.

Arts and Science

BAHAWALPUR, *Sadiq Egerton College*. M.A., M., E.; B.A., A., E., M. (A and B Courses), P., Th., Ec., U., Hi., A., P., U., Isl. Officiating Principal—M. Abdul Haq, M.A.

CAMPBELLPUR, *Government College*. B.A.—E., H., Ph., Ec., M. (A and B Courses), A., P., S., U., Hi., Pb., Geog., Ch., Isl. Principal—A. Hamid, M.A.

CHAKWAL, *Government College*. B.A.—E., Hi., Ec., Ph., G., Pol. Sc., M. (A and B Courses), A., Isl., P., U., Ph., Ch. Principal—Mansur-ul-Aziz Minhas, M.A.

D. G. KHAN, *Government College*. B.A.—E., Ec., Ph., Geog., H., Pol. Sc., M. (A and B Courses), S., A., P., U., Hi., Isl. Principal—Kh. G. Abbas, M.A.

GUJRANWALA, *Islamia College*. B.A.—E., Ec., Geog., H., Hi., M., P., Ph., U. Principal—M. A. Hassan.

GUJRAT, *Girls' College*. B.A.—E., Ec., A., U., H., Ph., P. Principal—Mrs. S. Saleem.

GUJRAT, *Zanindra College*. B.A. and B.Sc.—E., P., S., A., M., Ec., Ph., Pol. Sc., H., U., Pb., Hi., Ps., Ch., Isl. Principal—Alauddin Ahmad, M.A.

JHANG, *Government College*. B.A.—E., H., Ec., Ph., Geog., Pol. Sc., M., Hi., U., Isl. Principal—Nazir Ahmad, M.Sc., Ph.D. Lond.

LAHORE, *Dyal Singh College*. M.A.—Ec., H., M., P., Ph., Pol. Sc., Ec., S., U.; B.A. and B.Sc.—E., S., P., M., H., Ec., Ph., As., Pol. Sc., U., Hi., Ph., Ps., A. Principal—A. A. Abid, M.A., LL.B.

LAHORE, *Forman Christian College*. M.A., M.Sc.—E., Ec., H., M., Pol. Sc., Psych., Ch., U.; B.A. and B.Sc.—E., S., A., P., Ph., M., H., Ec., As., Pol. Sc., Geog., Hi., U., Pb., F., Ps., Ch., Tech. Ch., B. Principal—R. M. Ewing, M.A. Prin.

LAHORE, *Government College*. M.A., M.Sc.—A., Ch., E., Ec., H., M., Ph., U., Pol. Sc., Ps., Psych., S., Z.; B.A. and B.Sc.—E., A., P., H., Ph., Ec., As., Isl., Pb., F., Pol. Sc., Geog., U., Hi., Ps., Ch., B., Z. Principal—Siraj-ud-Din, M.A., B.Litt. Oxon.

LAHORE, *Islamia College*. M.A., Ec., H., M., P., Ph., Pol. Sc., U., A.; B.A. and B.Sc.—E., A., P., H., Ph., M., Ec., As., Pol. Sc., Geog., U., Ps., Ch., Isl., Offg. Principal—M. M. Sharif, M.A., Ph.D. Camb.

LAHORE, *Islamia College for Women*. M.A.—A.; B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., Geog., U. Principal—Mrs. S. A. Khan, M.A., M.O.L., I.L.B.

LAHORE, *Kinnaird College for Women*. B.A.—E., Ec., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., As., A., F. Principal—Miss Mangat Rai, M.A. Harv.

LAHORE, *Lahore College for Women*. M.A.—E.; B.A. and B.Sc.—A., B., Ch., E., Geog., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., Ec. Principal—Mrs. Lall, M.A.

LAHORE, *M.A.O. College*. B.A.—A., E., Ec., H., M. (A and B Courses), P., Pol. Sc., S., U., H., Ph. Principal—Dilawar Hussain, M.A., I.L.B., M.A. Camb.

LAHORE, *Talim-ul-Islam College*. B.A., A., E., H., M. (A and B Courses), P., Pol. Sc., S., U., Ph., Ec., Chem., Ps. Principal—M. N. Ahmad, M.A. Oxon.

LYALLPUR, *Government College*. B.A., B.Sc.—A., Ch., E., Ec., H., Hi., M. (A and B Courses), Mil., P., Pb., Ph., Pol. Sc., Ps., S., U. Principal—Taj Muhammad Khayal, M.A.

LYALLPUR, *Government College for Women*. B.A.—E., H., Pol. Sc., M. (A and B Courses), Isl., B., Geog., S., P., Ec., U., Hi., Pb. Principal—Begam S. Mahmood, M.A., M.O.L.

LYALLPUR, *Islamia College*. B.A.—A., E., Ec., H., M., P., Ph., Pol. Sc., S., U. 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.

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.

MONTGOMERY, *Government College for Women*. Principal—K. Banerji.

MULTAN, *Emerson College*. B.A.—E., Ec., H., Hi., M. (A and B Courses), Pb., Ph., U., Geog., Pol. Sc., P., A., S., Ps., Isl. Principal—Syet Saadet Ali Shah, M.A.

MULTAN, *Government College for Women*. B.A.—A., E., Ec., Geog., H., M., P., Pb., Pol. Sc., U., Ph., S., Hi., Isl. Principal—Miss D. Phillips, M.A., B.T.

QUETTA, *Government College*. B.A.—E., Ph., H., Pol. Sc., Ec., A., P., U., M., Geog., U. Principal—K. A. Chishti, M.A.

RAWALPINDI, *Gordon College*. M.A.—E.; B.A., B.Sc.—A., E., Ec., H., Hi., M., P., Pb., Ph., Pol. Sc., S., U., F. Principal—R. R. Stewart, M.A., Ph.D. Col.

RAWALPINDI, *Government College*. B.A., B.Sc.—E., M., H., Ec., Pol. Sc., Geog., Ps., A., P., Ch., U., Isl. Principal—Ghulam Ahmad, M.Sc.

RAWALPINDI, *Government College for Women*. B.A., E., H., Ec., Phil., Geog., Pol. Sc., M. (A and B Courses), A., P., U., Isl. Principal—Mrs. K. Siddiqi, M.A., D.T. (Phil.).

SARGODHA, *de Montmorency College*. B.A.—A., E., Ec., H., Hi., M., P., Ph., S., U., Geog., Pol. Sc., Isl., Pb. Principal—Abid Ahmad Ali, D.Phil. Oxon., M.A.

SIALKOT, *Murray College*. M.A.—E.; B.A.—A., E., H., M. (A and B Courses), P., Ph., Pol. Sc., U., S., Pb., Ec., Ps., Ch. Principal—D. L. Scot, M.A. Edin., B.D.

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 exams., 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 many subjects at various stages of the Univ. curricula.

CONSTITUTION. The Univ. is governed by an autonomous body, the Senate, and its executive, the Syndicate. The Senate consists of the Chancellor, Vice-Chancellor, *ex-officio* Fellows and ordinary Fellows. The Syndicate is elected in Nov. each yr. by the various Facs. The Vice-Chancellor acts as Chairman and the Dir. of Public Instruction, Punjab, attends the Syndicate as an *ex-officio* member.

LIBRARY, 155,000 vols., including MSS.; Hon. Librarian, S. M. Abdullah, M.A., M.O.L., D.Litt.; also Departmental and Seminar Libraries.

MUSEUMS AND LABORATORIES. The Univ. maintains a well-equipped Inst. of Chem. and Lab. of Chem. Technol., apart from the Kayshap Res. Inst. in Bot. and Phys. There are Bot. and Zool. Labs. also in Govt. Coll., which the Univ. shares. The depts. of Bot. and Zool. have museums.

FACULTIES AND DEANS. *Agriculture*, K. A. Rehman, Dir. of Agric., Punjab; *Arts*, Khalifa Shauj-ud-Din; *Commerce*, A. Waheed; *Dentistry*, M. A. Haq; *Education*, The Dir. Publ. Instr., Punjab; *Engineering*, M. A. Khan, Chief Engineer, Punjab; *Law*, Justice S. M. Sharif; *Medicine*, Lt.-Col. S. M. K. Mallick, Dir. of Health Services, Punjab; *Oriental*, Maulvi M. Shafi; *Science*,; *Vet. Science*, S. M. Sarwar, M.B.E.

ADMISSION. Students must have passed the Univ. Matricn. Examn. The Univ. *Calendar*, vol. I, lists the examns. of other Univs., etc., recognized as equivalent to the corresponding examns. of the Univ. The London, Cambridge, Oxford, Northern Universities, Hong Kong General Sch. Certif. examns. are generally recognized as equivalent to the Panjab Univ. Matricn. Examn.; provided the subjects taken by the candidate satisfy the requirements of Panjab Matricn. examns. of other approved Univs. are recognized by the Syndicate and Academic Council.

DEGREES. B.A., M.A., Ph.D., D.Litt., B.Com., M.Com., B.Sc., M.Sc., Ph.D., D.Sc.; B.Sc. Engg., M.Sc. Tech.; B.Sc. Agri., M.Sc. (Agri.); LL.B., LL.M., LL.D.; M.B., B.S., M.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 Intern. examn., and further courses of 2 yrs., 1 yr. and 2 years to the B.O.L., M.O.L. and D.O.L. successively. Examns. are also held for Proficiency, High Proficiency and Hons. in Arabic, Sanskrit, Persian, Urdu, Hindi, Panjabi and Pashto: Hons. admit to the Oriental titles: Maulvi Fazil (Arabic), Shastri (Sanskrit), Munshi Fazil (Persian).

The **UNIVERSITY FOREIGN INFORMATION BUREAU** advises and helps students who go abroad for advanced studies. Sec., Kazi Saeed ud-Din Ahmad, M.A., Ph.D. Lond.

RESIDENCE. Undergraduates in Lahore Colls., unless living with their guardians, are ordinarily required to reside in Coll. hostels or in hostels recognized by the Univ.

GRANTS TO COLLEGES. Grants are given by the Univ. to Mofussil Colls. for prosecution of research, and to Colls. affiliated to M.A. standard, for library books required by M.A. students.

EXTENSION LECTURES. Extension lectures by eminent scholars are arranged by the Univ. at Lahore and Mofussil Colls.

ENDOWMENTS AND SCHOLARSHIPS. 70 Endowment Funds for award of prizes, medals and scholps. to students. In addition, there are numerous Univ. scholps.; 80 for Matricn. examn.; 40 for Inter. examn.; and 23 scholps. in various subjects tenable for 2 to 4 yrs.—Indo-Oriental Studies, Hist., Sanskrit, Pali or Prakrit, Arabic, Panjabi, Sci., Physics and Maths. A postgraduate State scholp. is open to graduates of the Univ. between 21 and 25 yrs. for study in a recognized Univ. in the United Kingdom. 3 studentships (Rs. 100 each) in Oriental, Arts and Sci. Facs., open to Muslim students from foreign countries. A number of depts. also have postgraduate res. scholps.

PUBLICATIONS. *History of Lahore* by Dr. M. Baqier (Oriental Publicn.); *Proceedings* of the Physics Teachers Conference; *Calendar* (2 vols.), Rs. 6 (annual); *Gazette*, Rs. 4 (monthly).

THE YEAR 1950-51

Some of the more important recommendations of the Univ. Commission apptd. in 1950 were: B.A. and B.Sc. courses of 3 yrs.' duration; conversion of the Univ. into a federal-affiliating instn.; changes in the constitution of the various Univ. bodies and appt. of Treasurer for 3 to 5 yrs.; creation of Fac. of Langs. and conversion of the present Oriental Coll. into a Coll. of Oriental and Western Langs.; that English be retained as the medium of instruction in degree courses for 7 yrs., except in Law and Educn., in which there should be an option to use Urdu or English for 7 yrs.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Very Rev. J. Lowe, Oxon.; Sir R. L. Turner, Lond.; Prof. J. W. Cook, Glas.; Dr. D. W. Logan, Lond.; Dr. J. F. Foster, A.U.B.C.; Prof. H. A. Freeman, Corn.; Prof. A. V. Hill, Lond.; Prof. K. Erim, Istanbul; Sir George Thomson, Lond.; Rt. Hon. Lord Boyd Orr of Brechin, Glas.

HONORARY DEGREES. *D.Litt.*—H.E. T. B. Jayah, High Commissioner for Ceylon.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	3852	8747
Women	532	1027
Total	4384	9774

DEGREES. B.Sc., 139; M.Sc., 30; B.A., 886; B.A. Hons., 39; B.Sc. Hons., 1; B.Sc. Hons., School, 9; M.A., 160; Ph.D., 1; B.Com., 71; B.D.S., 5; B.T., 108; LL.B., 145; M.B., B.S., 127; B.V.Sc., 26; Special B.V.Sc., of L.V.P., 18; M.S., 1; M.D., 1; Bachelor of Pharm., 7; B.Sc. Agri., 58; M.Sc. Agri., 18; Final (Civil) Engg., 39; Final (Mech.), 34; Final (Elect.) Engg., 33; D.D.Sc., 1.

POSTGRADUATE DIPLOMAS. Special Test in Law, 8; Dipl. in Pub. Health, 6; T.D.D., 4; D.M.R.E., 6; Dipl. in Dom. Sci., 10; Dipl. in Journalism, 45; Dipl. in Stats., 7.

UNIVERSITY OF PESHAWAR *

Established 1950

Postal Address : N.W.F.P., West Pakistan.

Telephones : Vice-Chancellor, Peshawar 178. Registrar, Peshawar 173.
Deputy Registrar, Peshawar 177.

CHANCELLOR—The Hon. KHAN ABDUL QAIIYUM KHAN, B.Sc. Lond.,
Chief Minister, N.W.F.P.

VICE-CHANCELLOR—M. TIMUR, M.A.

REGISTRAR—SH. MINHAJUDDIN, M.Sc.

DEAN OF UNIVERSITY INSTRUCTION—M. TIMUR, M.A.

DIRECTOR OF RESEARCH—R. D. SIDDIQI, M.A. Camb., Ph.D. Leipzig,
D.Sc.

HEADS OF DEPARTMENTS

Economics

Mukhtar, A., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

English

Brooks, B. G., M.A., Ph.D. Lond.
Prof. and Hd. of Dept.

Law

Wali Ullah, Mir, B.A., LL.B.
Prof. and Hd. of Dept.

Education

Alwi, A. H., M.A., B.T.
Hd. of Dept.

Mathematics and Physics

Siddiqi, R. D., M.A. Camb., Ph.D.
Leipzig, D.Sc.

Engineering

.....

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.

D. I. KHAN, *Govt. College*. B.A.—Eng., Maths., Hist., Pers., Pol. Sc.,
Urdu, Phys. Principal—Khwaja Mohd Ashraf, M.A., B.T.

PESHAWAR, *Frontier College for Women*. B.A.—Eng., Hist., Phil., Econ.,
Maths., Geog., Pers., Arab. and Urdu. Principal—Mrs. A. C. T. Brotherton,
M.A.

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.

* 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.

PESHAWAR, *Convent College for Women*. B.A.—Eng., French, Hist., Econ., Pol. Sc. and Pers. Principal—Rev. Mother Agnes, M.A.

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 ; *Arts*, Dr. A. Mukhtar ; *Educn.*, Dir. of Public Instruction, N.W.F.P. ; *Islamiyyat*, M. N. Haq ; *Law*, Hon. K. B. Md. Ibrahim Khan ; *Oriental*, Prof. N.-u.-D. Ahmad ; *Sci.*, Dr. R. D. Siddiqi.

INCOME. (1951-52): Provincial Govt., Rs. 10,00,000 ; Central Govt., Rs. 6,00,000 ; Grant under Social Uplift Schemes, Rs. 6,50,000 ; Other Sources—Examn. Fees, Rs. 1,42,424 ; Registration Fees, Rs. 4170 ; U.C. Tuition Fees, Rs. 27,129 ; Miscellaneous Fees, Rs. 2134.

HOSTEL. 57 students were residing in the University hostel in 1951-52.

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.

EXTENSION LECTURES. The Univ. has started a series of extension lectures in affiliated colls., delivered by Univ. staff and other persons.

BUILDINGS. Residential houses for staff are being built—13 bungalows and 11 quarters have been completed during 1951-52. Univ. hostel for 200 students and Engin. Coll. are under construction, expected to be completed by Oct. 1952.

UNIVERSITY OF SIND*

Founded 1947

Postal Address : Hyderabad, Sind, W. Pakistan.

Telegrams : University, Hyderabad, Sind.

Telephone (Office) : 229, 230.

CHANCELLOR—H.E. THE GOVERNOR OF SIND.

PRO-CHANCELLOR—HON. THE CHIEF MINISTER OF SIND.

VICE-CHANCELLOR—ALLAMA I. I. KAZI.

REGISTRAR—AGHA TAJ MOHAMMAD, B.A. Bom., B.T. Alig.

DEPUTY REGISTRAR—MOHAMMAD HUSAIN, M.A.

SUPERINTENDENT (ACCOUNTS)—RAZA MOHAMMAD BHUTTO.

SUPERINTENDENT (GENERAL AND ACADEMIC)—S. G. H. KAZMI.

LIBRARIAN—A. MOID, B.A. Alig., Dip.Lib. Calc. and Delhi.

HEADS OF TEACHING DEPTS.

Education

Baloch, N. B., M.A., LL.B. Alig.,
M.A., Ed.D. Col.

Prof.

Religion, Islamic Culture, Muslim History

Halepota, A. J., M.A. Bom.,
D.Phil. Oxon. 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.

HYDERABAD, *City Intermediate Arts College*, Station Rd. Inter.

HYDERABAD, *Govt. College*. M.A.

HYDERABAD, *Muslim Girls' College*, Memon Mohalla. B.A.

HYDERABAD, *Oriental College*. Oriental Langs.

MIRPURKAS, *Shah Abdul Latif Arts College*. Inter.

SHIKARPUR, *C. and S. Govt. College*. M.A.

Science

Dean—M. B. Pithawalla, D.Sc., B.A.

HYDERABAD, *Govt. College*. B.Sc.

SHIKARPUR, *C. and S. Govt. College*. Inter.

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PAKISTAN

Medicine

HYDERABAD, *Liaquat Medical College.*

Law

HYDERABAD, *Law College*, Risala Rd. LL.B.

Technology

Dean—A. M. Shaikh, Ph.D.

SAKRAND, *King George V. Institute of Agriculture.* M.Sc.Aagri.

Religion

A dept. of Religion has been estd. under direct Univ. control. *V. supra.*

GENERAL INFORMATION

The idea of a separate University for Sind was first broached in the year 1886, when the then Principal of the D.J. Sind College, Karachi, prophesied the coming of the time when the province would need a separate University to serve its distinctive cultural needs. Sind, though long connected administratively with Bombay, was a distinct cultural unit, with a language and literature of its own, and with distinctive economic and geographical features. The idea lay dormant until, in 1934, the Govt. of India appointed a cttee. to consider the administrative requirements of Sind as a separate province in view of the coming autonomy which was to be an important feature of the Government of India Act of 1935. This cttee., presided over by Sir Hugh Dow, emphasized the necessity of cultural autonomy for Sind as an inevitable sequel to political autonomy. The idea suffered many vicissitudes until in 1940 the autonomous Govt. of Sind appointed the Sind University Committee with comprehensive terms of reference to go into the entire problem of a separate Univ. The Report of the Cttee., issued in 1941, covered the entire field of organizational and academic issues involved. But action on the Report was delayed by several causes, till a regular Bill for the creation of a separate Univ. for Sind was introduced in the local legislature in 1945, and passed finally into an Act in 1947.

As a separate Karachi University for the Karachi Federal Area was established as from session 1951-52, the headquarters of the University of Sind were moved from Karachi to Hyderabad in May 1951.

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. A start has been made by establishing the depts. of Sindhology, Educn., Religion, Islamic Culture and Muslim Hist. Depts. of Geog., General Hist., Pol. Sci., Econ. are soon to be established. The dept. of Sindhology is designed to organize extensive res. work in the hist., lit., lang., folklore, economic conditions and material resources of the Province of Sind.

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 Western Pakistan who desire to study in the Universities of U.K. and U.S.A.

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DEGREES. *Arts*—B.A. (Pass and Hons.); M.A.; M.Ed.; Ph.D. *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.

RECOGNITION OF EXAMINATIONS OF OTHER UNIVERSITIES. Examns. of all statutory Univs. in India and Pakistan are recognized for the purpose of admission.

UNIVERSITY SESSION. The academic yr. is divided into 2 terms. The first begins on July 20 and ends on Nov. 10. The second begins on Nov. 20 and ends on March 20.

TERM FEES. M.Ed. course, Rs. 175.

RECREATION. The University Board of Sports organizes the Univ.'s sports activities. Individual Colls. also provide facilities for indoor and outdoor games.

THE YEAR 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. 1361)

UNIVERSITY OF MALAYA (p. 1368)

ROYAL UNIVERSITY OF MALTA (p. 1374)

UNIVERSITY COLLEGE OF THE GOLD COAST (p. 1378)

UNIVERSITY COLLEGE, IBADAN (p. 1383)

MAKERERE COLLEGE, THE UNIVERSITY COLLEGE OF
EAST AFRICA (p. 1388)

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1397)

COLLEGE OF AGRICULTURE, MAURITIUS (p. 1401)

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. 113). The present phase of exceptionally rapid development, however, dates from the end of the 1939-45 war. In June 1945 reports were published of the Commission on Higher Education in the Colonies under the chairmanship of Mr. Justice Asquith, of its West Indies Committee under the chairmanship of Sir James Irvine, and of the Commission on Higher Education in West Africa under the chairmanship of Colonel Walter Elliot (Cmd. 6647, Cmd. 6654, Cmd. 6655, H.M. Stationery Office). These reports recommended that additional University institutions should be created within the Colonies, formulated the principles on which they should be developed, proposed the establishment of an Inter-University Council through which the Universities of the United Kingdom could assist, and provided detailed plans for new University colleges in the West Indies and West Africa. After the liberation of Malaya, a commission under the chairmanship of Sir Alexander Carr-Saunders (Report, Col. 229, H.M. Stationery Office) visited the area and recommended that a University of Malaya should be established by the amalgamation of the King Edward VII College of Medicine (founded 1904) and Raffles College (founded 1928).

In this post-war development, the two existing Universities of Malta (founded 1769) and Hong Kong (founded 1911) have been strengthened, a new University of Malaya founded, three new University Colleges created, the University College of the West Indies, the University College of the Gold Coast, and University College, Ibadan, Nigeria, and Makerere College (founded 1922) raised to the status of the University College of East Africa.

All the Colonial Universities and University Colleges are autonomous corporations, established by local ordinances or, for the University College of the West Indies, by Royal Charter. With minor variations, their constitutions provide for a *Council*, with a majority of lay members and some academic representatives, and a *Senate* or *Academic Board*, wholly academic in membership.

The institutions have relatively small endowments, the largest being £1 million for the University of Hong Kong in 1951 from Japanese assets available under the peace treaty and nearly £1 million for the Faculty of Agriculture at University College, Ibadan, from the Nigerian Cocoa Marketing Board. They receive most of their recurrent income from the local governments in the form of block grants, not internally earmarked. Local governments have given generous sites for the new Colleges, for instance areas of five square miles each for the University College of the Gold Coast and University College, Ibadan, and over one

square mile in Jamaica for the University College of the West Indies. In addition to substantial capital gifts for buildings and equipment from local governments and private sources, His Majesty's Government in the United Kingdom has contributed £6 million for capital purposes from funds available under the Colonial Development and Welfare Act, 1945.

The three Universities award their own degrees. The four University Colleges provide courses leading to the degree examinations of the University of London, with which they are in special relationship ; by this arrangement the academic boards of the Colleges work out with the University special syllabuses adapted to local conditions, and members of the College staffs assist in the examining of their own students. In addition to courses leading to University of London degree examinations, the University Colleges provide, in some subjects, courses leading to their own diplomas and certificates.

The academic year is from Oct. to June, except at Makerere, where it is from March to Dec. The institutions, except Malta, are either wholly or for the majority of students residential. The language of instruction is English.

All have Faculties of Arts and Natural Science ; all, except the Gold Coast, Medicine. Social Sciences are taught at Hong Kong, Malaya, Gold Coast and Makerere ; Veterinary Science at Makerere ; Engineering and Architecture at Malta and Hong Kong ; Dentistry at Malaya ; Theology at Malta and Gold Coast ; Law at Malta ; Education at Hong Kong, Malaya, West Indies, Gold Coast and Makerere. West Indies, Gold Coast and Ibadan have departments of Extra-Mural Studies.

All are active centres of research as well as of teaching. At three of the colleges, West Indies, Ibadan and Makerere, regional Institutes of Social and Economic Research have been established with grants under the Colonial Development and Welfare Act.

In addition to the three Universities and four University Colleges, there are in the Colonies several other institutions of research and higher education, including two specialized agricultural colleges, the Imperial College of Tropical Agriculture, Trinidad, and the College of Agriculture, Mauritius.

THE INTER-UNIVERSITY COUNCIL FOR HIGHER EDUCATION IN THE COLONIES, 1 Gordon Square, London, W.C.1. (*Telephone*: Museum 8916 ; *Telegrams*: Interuniv London.) The Inter-University Council was created in March 1946 by the Universities in Great Britain and Northern Ireland and the existing Universities in Colonial territories, at the invitation of the Secretary of State for the Colonies, for the purposes of—

- “ strengthening co-operation between the Universities of Great Britain and Northern Ireland and the Universities in territories in respect of which the Secretary of State for the Colonies has responsibility ;
- fostering the development of higher colleges in the British Colonies and their advance to University status ;

giving effect to the principles recommended by the Asquith Commission on Higher Education in the Colonies for the promotion of higher education, learning and research in the British Colonies ; discharging the tasks which the Secretary of State for the Colonies has invited them to undertake ;

taking other appropriate action for the development of higher and particularly University education for the peoples of the British Colonies, Protectorates, Mandated Territories and the High Commission Territories in South Africa ;

and, at the invitation of the Governor-General of the Sudan, performing, in relation to the development of higher education in the Sudan, functions analogous to those which they undertake in relation to the Colonial territories."

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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, recogni-

tion 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."

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UNIVERSITY OF HONG KONG*

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B.A. Lond., B.D. Oxon. (Morrison Hall) ; Rev. Fr. F. Cronin, B.A. N.U.I.
(Ricci Hall) ; Rev. G. She, M.A. Oxon. (St. John's Hall). (*Women*) : Mrs.
Mary King, M.B., Ch.B. St. And., D.T.M. & H. (Lady Ho Tung Hall) ; Miss
Bek-to Chin, B.Sc. Lond. (Assistant Warden, Lady Ho Tung Hall).

GENERAL INFORMATION

In 1887 Sir Patrick Manson, G.C.M.G., started the Hong Kong College of
Medicine for the Chinese in the Alice Memorial Hospl. opened the same yr.
on a London Missionary Soc. foundation. As students of nationality other than
Chinese began to join the Coll., the words "for the Chinese" were struck out of
the title in 1907, and the institution was incorporated as "The Hong Kong
College of Medicine."

The College offered to amalgamate in a University, and in March 1911 the
Univ. of Hong Kong was incorporated by a local Ordinance, embodying the
principle of religious and racial neutrality. In connexion with the foundation
H.M. Govt. guaranteed funds for the foundation of "King Edward VII
Scholarships," awarded on entrance examn. results. The Univ. was opened
in March 1912, in a bldg. donated by Sir Hormusjee Mody, with Facs. of Med.
and Engin. A Fac. of Arts was organized in the following yr., a Fac. of Science
in 1939 and Fac. of Archit. in 1951.

CONSTITUTION. The supreme governing body of the Univ. is the Court,
with the Governor of Hong Kong as Chancellor and Chairman. The executive

body is the Council, composed of the Vice-Chancellor, the Treasurer, certain Govt. officials and Chinese members of the Legislative Council, the Deans of the Facs., 2 representatives of the commercial community and 2 additional members approved by the Chancellor. The Senate, which deals with academic matters, is composed of the Vice-Chancellor, the Dir. of Education and the Profs. and Readers.

FACULTIES AND DEANS. *Archit.*, Prof. R. G. Brown; *Arts*, B. G. Birch; *Engin.*, Prof. Y. C. Wong; *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.

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.; candidates must be graduates of the Univ. or approved Univs.

CERTIFICATE. Certif. in Social Study—2 yrs.; candidates must be matriculated students of the Univ.

FEES (\$16=£1). Matricn., \$50; Caution, \$100; *Composition* (including Registration, Tuition, Lab. or Workshop, Examn., and Student Health): B.A. (Pass) (3 yrs.), \$3160; B.A. (Hons.) (4 yrs.), \$4210; B.Sc. (Pass) (3 yrs.), \$3760; B.Sc. (Hons.) (4 yrs.), \$5010; M.B., B.S. (6 yrs.), \$7510; B.Sc. (Eng.) (4 yrs.), \$4610; B.Arch. (5 yrs.), \$5710; Higher Degree Examns.: M.A., M.Sc., M.Sc. (Eng.), M.Arch., \$400; D.Sc., M.D., M.S., \$600. Graduation: B.A., B.Sc., M.B., B.S., B.Sc. (Eng.), B.Arch., \$100; M.A., M.Sc., D.Sc., M.D., M.S., M.Sc. (Eng.), M.Arch., \$200.

EXTERNAL STUDENTS. 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.

VACATION COURSES. Refresher Courses are offered from time to time for approved graduates, in professional subjects.

FELLOWSHIPS. 2 Research Fellowships in the Dept. of Medical Research.

GRADUATES' ASSOCIATIONS. Hong Kong Univ. Alumni Assocn. of Hong Kong; Hong Kong Univ. Soc. of Shanghai; Hong Kong Univ. Canton

Alumni Assocn.; Pan-Malayan Hong Kong Univ. Alumni Assocn. (branch Assocns. of S. Malaya, Central Malaya, Perak and North Malaya); Hong Kong Univ. Alumni Assocn. in the U.K.

LIBRARIES. Univ. Library: 65,000 vols. and 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 60,000 Chinese vols. and some 2300 Japanese sinological vols.

TEACHING HOSPITALS. Queen Mary Hosp. Tsan Yuk Hosp.

BRITISH INSTITUTE OF FAR EASTERN STUDIES. (V. p. 1364.) The newly founded Inst. at present provides facilities for the study of the Mandarin and Cantonese langs. to Colonial Administrative Service officers and lang. officers of the Army and Air Force; on expansion and fulfilment it will provide also for research in various fields of Far Eastern Study.

HALLS OF RESIDENCE. For Men: May Hall (accomm. for 90), Eliot Hall (88), Lugard Hall (75)—fees, \$180 a month; Morrison Hall (54), conducted by London Missionary Soc.—fees, \$200 a month; Ricci Hall (58), conducted by Jesuit Fathers—fees, \$200 a month; St. John's Hall (48), conducted by Church Missionary Soc.—fees, \$211 a month. For Women: Lady Ho Tung Hall (accomm. for 85)—fees, \$220 a month; St. Stephen's Hall (15), conducted by Church Missionary Soc.—fees, \$220 a month.

STAFF RESIDENCES. The Univ. controls 24 houses and flats for teaching staff and quarters for minor staff, all situated within the Univ. estate.

The UNIVERSITY PRESS is managed by a Publications Bd. apptd. jointly by Council and Senate. Chairman of Bd., Prof. J. E. Driver.

PUBLICATIONS. *Calendar*; *Handbook of the Matriculation Examination*; *Annual Report*; *The Union Magazine* (students).

STUDENT HEALTH SERVICE. Directed by a cttee. composed of the Prof. of Med. as Chairman, the Deans, the Wardens, the Medical Officer for Student Health, and the Pres. of the Students' Union, the health service provides for initial examn. on admission, required vaccinations and inoculations, and professional services up to specialist level.

STUDENT ATHLETICS. Cricket, football, hockey, swimming, tennis, basketball, badminton, etc.

STUDENTS' UNION. The Union was established in Oct. 1912. Membership is obligatory. It is controlled and directed by a Council, the Pres. and Hon. Sec. of which, and also 4 independent members, are elected by the undergraduates. The Union possesses a Jordan Memorial Library.

THE YEAR 1950-51

SUBSTANTIAL BENEFACTIONS. Mr. Aw Boon Haw, \$10,000 for prize in Obstet. and Gynæcol. Pathol.; Mr. Ho Sin Hang, \$10,000 for prize in Sci.

NEW BUILDINGS. Lady Ho Tung Hall (Women's Hostel); Vice-Chancellor's Lodge.

NEW POSTS (instituted by Council Sept. 1950). Chairs of Hist., Soc. Med.; Readerships in Geog., Philos., Stats.; Sr. Lectureships in French, Phys., Appl.

Maths., Med., Orthop. Surg., Anæsthetics, Linguistics, Org. Chem., Bot., Pædiatrics, Bacteriol., Obstet. and Gynæcol. ; Lectureships in Social Study, Sociol., Zool., Pharmacol. and Therapeutics, Geog., Geol., Civil Engin. (2), Econ. and Pol. Sci. (2), Portuguese, Educ. (2), Phys., Hist., Philos., Maths., Chem., Med. ; Directorship of Phys. Trng.

NEW FACULTY. Dept. of Archt. made a Fac.

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Vice-Chancellor, to Tor. and Glas.

PRINCIPAL CHANGES IN REGULATIONS. Introducn. of M.Sc. and D.Sc. degrees ; of Dipl. and Certif. in Soc. Study.

RETIREMENTS. Prof. F. A. Redmond (C. Eng.) ; Prof. R. Robertson (Econ.) ; Prof. R. K. M. Simpson (Engl.).

DEATHS. Sir Andrew Caldecott (Chancellor of Univ. 1936-37) ; Prof. C. A. Middleton Smith (Prof. Emer. of Civil and Med. Engin.).

HONORARY DEGREES. *LL.D.*—Rt. Hon. M. MacDonald, Minister of the Crown ; Sir Man-Kam Lo, member of Univ. Court.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	507
Women	..	208
Total	..	715

Included in the above are 10 postgraduate students and 247 new admissions.

DEGREES. B.A., 9 ; B.Sc., 2 ; B.Sc. (Eng.), 2 ; M.B., B.S., 8.

UNIVERSITY OF MALAYA*

Founded 1949

Postal Address : Singapore 10.

Cables : Univmalaya, Singapore.

Telephone : Singapore 5 373.

CHANCELLOR—The Rt. Hon. MALCOLM MACDONALD, M.A., LL.D., D.Litt.

PRO-CHANCELLORS—H.E. General Sir GERALD W. R. TEMPLER, K.C.B., K.B.E., C.M.G., D.S.O. ; H.E. JOHN F. NICOLL, C.M.G. ; The Hon. DATO ONN BIN JA'AFAR, LL.D. ; Sir HAN HOE LIM, C.B.E., M.B., Ch.B., LL.D.

VICE-CHANCELLOR—Sir SYDNEY CAINE, K.C.M.G., B.Sc.

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.

Leong, P. C., Ph.D. Camb., Dip.
Sc. Sr. Lectr.

Green, R. W., M.Sc. N.Z. Lectr.

Kiang, A. K., Ph.D. Camb., B.Sc.,
Dip.Sc. Lectr.

Huang, R. L., B.Sc. H.K., D.Phil.
Oxon. Lectr.

Svasti, M. C. K., Ing.T.I.C.M.
Brussels Asst. Lectr.

Dentistry, v. infra

Dermatology, v. infra

Economics

Silcock, T. H., M.A., D.Phil.
Oxon. Prof.

Robertson, Jean M., M.A. Glas.
(Social Trng.) Sr. Lectr.

Lecturers

Lim, T. B., M.A. Camb., Dip. Arts.

You, P. S., B.Sc. (Econ.), Ph.D.
Lond.

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

Sherwood, P. W., B.Com. Lond.
 Gamba, C., M.A. W.Aust.
 Ungku Abdul Aziz, B.A., Dip.
 Arts.

Wright, Beryl, B.Ec.
 Lim, C. S., B.Sc. (Econ.), M.A.
 Northwestern 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.

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.

Assistant Lecturers

Painter, A. B., B.A. Camb.
 Coplay, J., M.A., Dip.Ed. Leeds.
 Clark, Mrs. Maria, B.A. Melb.

Geography

Dobby, E. H. G., B.A., Ph.D.
 Lond. Prof.
 Ho, R., M.A. Lond., Dip.Arts
 Lectr.
 Wheatley, P., M.A. Lond. Lectr.
 Dale, W. L., M.B.E., B.Sc. Lond.
 Lectr.
 Blaut, J. M., B.Sc., Ph.B. Chic.
 Asst. Lectr.
 Hodder, B. W., B.A. Oxon.
 Asst. Lectr.

History

Parkinson, C. N., M.A. Camb.,
 Ph.D. Lond. Prof.
 Sr. Lectr.
 Stokes, E. T., M.A. Camb. Lectr.
 Macgregor, I. A., M.A. Camb.
 Lectr.

Sadka, Emily, B.A. Oxon.
 Asst. Lectr.
 Bailey, Mrs. Catherine, B.A.
 Asst. Lectr.

Mathematics

Oppenheim, A., B.A. Oxon., Ph.D.
 Chic. (Maths.)
 Prof. and Hd. of Dept.
 Cooke, J. C., M.A., Dip. Ed. Oxon.
 (Appl. M.) Prof.

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.
 Milner, E. C., M.Sc. Lond.
 Asst. Lectr.

Medical Jurisprudence, v. infra

Medicine, v. infra

Medicine, Clinical, v. infra

Midwifery and Gynæcology, v. infra

Ophthalmology, 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.
 Hanam, J., Dip. Pharm. Tutor.

Physics

..... Prof.
 Webb, C. G., B.Sc. Lond.
 Sr. Lectr.
 Hon, Y. S., B.Sc. Lond., M.Sc.
 Lectr.

Assistant Lecturers

Hoisington, B.Sc.
 Ho, P. Y., M.Sc.
 Wang, C. P., M.Sc.
 Smith, Dorothy J., B.A. Camb.

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.

Dentistry

Tickle, R. J. S., D.D.S. Tor., M.Sc. (Dental Surg.)

Hd. of Dept., Prof.

Terrell, W. H., D.D.S., F.A.C.D. Visiting Prof.

Lecturers

Oehlers, F. A. C., L.D.S. (D. Path.).
Jansen, J. A., L.D.S. (Prosthetic D.).

Niland, Miss Billyana, D.D.S. S. Calif.

Eggers-Lura, F. Asst. Lectr.
Vellasamy, K., L.M.S. (Surg.) Pt.-time.

*Medicine**Anæsthetics*

Hudson, E. G. Pt.-time Lectr.

Anatomy

Ellis, A. R., M.B., Ch.B. N.Z. Prof.

Lecturers

Thambipillai, L. M. S., Dip. Phy. Anth.

Chang, K. S. F., M.Sc., Ph.D.
Mohiuddin, A., M.B., B.S. Osm., Ph.D. Lond.
Chang, Mrs. Kathleen A., M.B., Ch.B. N.Z., D.O.M.S.

Asst. Lectr.

Bacteriology

.....

Prof.

Hale, J. H., M.D., Ch.B. Birm.

Sr. Lectr.

Lin, K. A., B.Sc., M.B., Ch.B. Edin. Lectr.

Chee, P. H., M.B., B.S. Asst. Lectr.

Biochemistry

Lugg, J. W. H., D.Sc. W.Aust., Ph.D. Lond., D.I.C., F.R.I.C. Prof.

Oliveiro, C. J., L.M.S. Sr. Lectr.
Whyte, J. M., B.Sc. Melb. Lectr.

Bowness, J. M., B.Sc., Ph.D. Liv. Asst. Lectr.

Dermatology

Gill, D. 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.

Medicine, Clinical

Monteiro, E. S., M.D., L.M.S., D.C.M. Lond., F.R.F.P.S. Glas. Prof.
Loke, T. P., M.B., B.S. Lond., D.T.M. & H. Eng. Lectr. and Chief Asst.

Khoo, O. T., L.M.S. Lectr.

Midwifery and Gynæcology

Sheares, B. H., L.M.S. Prof.
Lumsden, J. W. F., M.A. Camb., M.B., Ch.B. Edin. Lectr. and Chief Asst.

Ophthalmology

Williamson, A. D., M.B., Ch.B. Glas., D.O.M.S. Lond., F.R.C.S.Ed. Pt.-time Lectr.

Oto-Rhino-Laryngology

Au, K. H., L.M.S. Pt.-time Lectr.

Pædiatrics

Haridas, G., M.D., L.M.S.
Pt.-time Lectr.

Parasitology

Sandosham, A. A., Ph.D. Lond.,
L.M.S. Prof.
Colless, D. H., B.Sc. Syd. Lectr.

Pathology

..... Prof.
Subrahmanyam, C., L.M.S.
Actg. Hd. of Dept.
Balasingham, T., L.M.S.
Sr. Lectr.

Physiology

Glaser, E. M., M.D. Bratislava,
Ph.D. Camb. Prof.
Lin, R. C. Y., B.Sc. Peking, Ph.D.
Camb. Lectr.
Lee, T. S., Dip.Sc. Lectr.
Toh, C. C., Ph.D. Lond., Dip. Sc.
Asst. Lectr.

Psychological Medicine

Browne, J., M.D., Ch.B., B.A.O.
Belf. Pt.-time Lectr.

Radiology

..... Pt.-time Lectr.

Social Medicine and Public Health

Strahan, J. H., M.B., B.Ch.,
B.A.O. Belf., B.Sc., D.P.H.
Prof.
Nicholas, W. A., M.P.H. Johns H.,
L.M.S. Sr. Lectr.
Millis, Jean, M.Sc. Melb. Lectr.
Danaraj, Mrs. W., L.M.S. Lectr.
Polunin, I. V., D.M., B.Ch., M.A.,
B.Sc. Oxon. Lectr.
Grove-White, Mrs. M. L., B.A.,
M.B., B.Ch. Dub. Asst. Lectr.

Surgery

Mekie, D. E. C., M.B., Ch.B. Edin.,
F.R.C.S.Ed. Prof.
Lecturers
Falconer, C. D., M.B., Ch.B. Edin.,
F.R.C.S.Ed.
Lectr. and Chief Asst.
Khong Ban Tze, L.M.S.
Yahya Cohen, L.M.S.

Surgery, Orthopædic

Cameron, J. A. P., M.Ch. Orth.
Liv., F.R.C.S.Ed. Prof.

Venereal Diseases

Ram, L. M., M.B., B.S. Panj.,
D.P.H. Lond. Pt.-time Lectr.

ADMINISTRATIVE AND OTHER STAFF

Asst. Registrars: H. D. Lewis, Dip. Arts; Foo Yeow Yoke, Dip. Arts;
Asst. Bursar: Lim Chee Poe. Estate Officer, A. G. Burr. Asst. Librarian:
Mrs. Therese Kennard, M.A. Supervisor of Hostels: Miss P. E. Isaacson.
Vice-Chancellor's Sec.: V. R. Grosse. Bursar's Sec.: Chan Teong Sin.

GENERAL INFORMATION

The University was established by Ordinances of the Government of the Federation of Malaya and of the Colony of Singapore in April 1949, and Foundation Day was Oct. 8, 1949. It was formed by the fusion of the two existing Colls. in Singapore, The King Edward VII College of Medicine and Raffles College, and teaching began as a full Univ. in Session 1949-50.

The bldgs. of the 2 former Colls. are being used until completely new bldgs. are erected on a site which has been reserved and is about to be acquired near Johore Bahru. A grant of £1 million has already been made by H.M. Govt. as a contribution towards the capital cost, and a public appeal was launched in April 1949. The Appeal Fund now stands at approx. £565,000. The Univ.

is thus physically separated into 2 pts., the former Raffles Coll. containing the Admin. Offices and the Facs. of Arts and Sci., and the former Coll. of Med. containing the Fac. of Med.

LIBRARY. The Library is housed in 2 divisions. Medical books are located in the former Coll. of Med. bldgs. and books relating to Arts and Science Facs. are housed in the former Raffles College buildings. The library is being built up rapidly and a new library bldg. is nearing completion.

FACULTIES AND DEANS. *Arts*, Prof. T. H. Silcock (Econ.); *Medicine*, Dr. D. W. G. Faris (whole-time Dean); *Science*, Prof. R. A. Robinson (Chem.).

DEGREE COURSES. B.A. Pass, 3 yrs.; B.A. Hons., 4 yrs.; B.Sc. Pass, 3-4 yrs.; B.Sc. Hons., 4-5 yrs.; M.B., B.S., 6 yrs.; B.D.S., 5 yrs. Honours students must first take a Pass degree.

HIGHER DEGREES. Open to Hons. graduates, M.A., M.Sc. (1 yr.'s residence); Ph.D. (2 yrs.' residence); open to graduates of 3 yrs.' standing, M.D., M.S., M.D.S.; open to Masters or Doctors of Philosophy of 5 yrs.' standing, D.Sc., D.Litt. Diploma holders of the College of Medicine and of Raffles College, and graduates of other Univs., may also be admitted to higher degrees of the Univ.

DIPLOMAS. Pharmacy (2 yrs.), followed by 2 yrs.' practical work. Education (1 yr.), open to graduates. Public Health (1 yr.), open to med. graduates. Social Studies (2 yrs.), open to graduates and suitable non-graduates.

FEES. Tuition, including Students' Union: for B.A. and B.Sc. courses, approx. £52:10s. p.a.; M.B., B.S. and B.D.S., £63 p.a.

HOSTELS. For Men: Tan Tock Seng Hostel (Warden: Dr. Goon Sek Mun); F.M.S. Hostel (Warden: Dr. C. J. Oliveiro); Dunearn Rd. Hostels (Warden:); Patterson Rd. Hostel (Warden: H. E. Scharenguivel). For Women: Mount Rosie Hostel (Matron: Mrs. P. G. Khew); Holme Chase Hostel (Matron:). Fees in all hostels, £78:15s. (for 30 wks.).

PUBLICATIONS. *Calendar* (Sept.), 7s.; *Annual Report*, 2s. 4d.; *Gazette*.

THE YEAR 1950-51

BENEFACTIONS. Appeal Fund, £565,000; includes approx. £54,000 for a Dept. of Engin., and £29,167 for a Chinese Section of Library.

CHANGES IN REGULATIONS. A number of changes made in Regns. governing courses of study; and Regns. introduced to cover new Dipl. course in Educn. New courses in Pub. Health and Social Studies instituted.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Harold C. Shearman, Lond.; Dr. G. A. Currie, W.Aust.; J. F. Foster, A.U.B.C.; M. J. Lassus, Hanoi; L. Malleret, École Française d'Extreme-Orient; C. B. Fawcett, Lond.; Prof. W. G. Holford, Lond.

RESIGNATIONS. K. Bieda (Economics), apptd. Lectr. in Univ. Coll., Auckland; Miss K. I. Bradley (Educn.), on expiry of secondment; R. H. Foster (Surg.); B. M. Johns, M.A.; Prof. R. G. Scott MacGregor, on retirement; Dr. A. Nohiuddin (Anat.).

HONORARY DEGREES. *D.Litt.*—H.E. Rt. Hon. M. MacDonald. *LL.D.*—Kwa Siew Tee, Sir Han Hoe Lim, Datoh Haji Mohamed Eusoff. *M.D.*—Prof. R. G. S. MacGregor. *M.S.*—B. M. Johns. *M.A.*—Dr. C. A. H. Franklyn.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	689
Women	..	141
Total	..	830

DEGREES. M.D., 2 ; M.Sc., 4 ; B.A. Pass, 38 ; B.A. Hons., 10 ; B.Sc. Pass, 11 ; B.Sc. Hons., 9 ; M.B., B.S., 17 ; B.D.S., 5.

DIPLOMAS. Dip.Ed., 10.

THE ROYAL UNIVERSITY OF MALTA*

Founded 1769

Postal Address : St. Paul Street, Valletta.

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.

SECRETARY—E. SERRACINO-INGLOTT.

FINANCE OFFICER—G. SOLER.

TEACHING STAFF

<i>Anatomy and Histology</i>		Apap Bologna, F. A., J.C.B. Rome,
Briffa, J., B.Sc., M.D.	Prof.	B.Lit., LL.D. (Canon L.)
		Lectr.
<i>Biology</i>		Cremona, F., LL.D.
.....	Prof.	(Comm. L.) Prof.
<i>Chemistry</i>		Busuttill, E., B.A. Oxon. and
Farrugia, P., B.Sc., M.D.	Prof.	Malta, B.Litt. Oxon., LL.D.
		(Internat. L.) Lectr.
<i>Engineering and Architecture</i>		Caruana, V., B.Lit., LL.D. (Civil
Colombo, J., B.Sc., B.E. & A.		L.) Prof.
		Cremona, J. J., B.A. Lond. and
Terreni, Lt.-Col. J., O.B.E., B.E.		Malta, D.Litt. Rome, LL.D.,
& A. (Munic. Engin.) Prof.		Ph.D. Lond. (Const. L.) Lectr.
Galea, V. R., M.A. Oxon., B.Sc.,		Mamo, A. J., B.A., LL.D. (Crim.
B.E. & A. (Civil Engin.) Prof.		L.) Prof.
<i>English Literature and History</i>		Harding, H., B.A., LL.D. (Hist. of
.....	Prof.	Legisln. in England and Malta)
		Lectr.
<i>Greek, Classical</i>		Ganado, J. M., B.A., Ph.D. Lond.,
Seaston, Rev. G. J., M.A. Camb.		LL.D. (Roman L.) Lectr.
	Lectr.	Xuereb, J. H., LL.D. (Science of
<i>Latin Literature</i>		Law) Prof.
Coleiro, Very Rev. Can. E., Ph.D.		<i>Maltese and Oriental Languages</i>
Lond., B.A., B.L. Can., D.D.		Aquilina, J., Ph.D. Lond., B.A.,
	Prof.	LL.D. Prof.
<i>Law</i>		<i>Mathematics, Pure and Applied</i>
Gatt, V., LL.D. (Admin. L.)		Borg-Costanzi, E. J., B.A. Oxon.,
	Lectr.	B.Sc., B.E. and A. Prof.

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

*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

Stilon Depiro, V., M.D. 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

Registrar: E. Serracino-Inglott (v. also p. 1374). Librarian: S. Ellul. Officer-in-Charge Meteorol. Observatory: E. Craig, M.D. Dir., Bot. Gardens: Prof. S. L. Vella, B.Sc., M.D., D.L.O., F.L.S.

GENERAL INFORMATION

Founded in 1769 by Grandmaster Fra Emmanuel Pinto de Fonceca of the Order of St. John of Jerusalem under the authority of Pope Clement XIV, the University is lodged in a building erected by the Jesuit Fathers in 1591-1593 for a College with the power of granting degrees in Theology and Philosophy, whilst its Medical Faculty originated in a School of Anatomy founded in 1674 by Grandmaster Nicolas Cottoner in the Great Hospital of the Order, which accommodated 745 patients. By an Ordinance promulgated in 1947, the Univ. is governed by a Council consisting of the Chancellor as President, the Vice-Chancellor and Rector Magnificus as Vice-President, a representative of the Inter-University Council for Higher Education in the Colonies, six members from the Legislature of Malta, six members elected by the Senate of the Univ., one member from the Guild of Graduates and three members appointed by the Chancellor in consultation with the Vice-Chancellor. A Senate consisting of fourteen members, twelve elected by the Faculties and two appointed by the Chancellor, to deal with questions regarding teaching and discipline, was also instituted by this Ordinance.

The Council is the supreme authority of the University.

LIBRARY, 12,300 vols. A public library maintained in connexion with the Univ. contains over 100,000 vols. and is rich in MSS. and rare editions of great historical interest. **MUSEUMS**: Nat. Hist. and Archæol. **OBSERVATORY**, full meteorol. equipment and seismograph. **BOTANICAL GARDEN**. **HOSPITALS**, available for Clinics: general (650 beds) and several special—Leprosy Hospital (80); Mental Diseases (800); Aged Poor (1000).

FACULTIES. Arts, Engineering and Architecture, Laws, Medicine and Surgery, Science, Theology.

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.

DEGREES, ETC. B.A., B.Sc., B.Pharm., B.D., Lic.D., B.Arch., B.Eng., B.Ch.D., M.Arch., M.Eng., M.D., LL.B., LL.D., D.D. Diploma of Architect and Civil Engineer, Notary Public, Legal Procurator.

SCHOLARSHIPS FOR GRADUATES. Travelling Scholarship of £300—awarded every 3 yrs., one each in Theol., Laws, Med. and Surg., and Engin. and Arch. The Aubrey Causton Strachan Scholarship of £120—awarded every 6 yrs. in the Faculty of Med. and Surg. The Lorenzo Gatt Scholarship of £50—awarded every 3 yrs. to the student in Engin. and Arch. who secures the Travelling Scholarship. The Francis Gambin Scholarships, awarded every 3 yrs. in Theol., Laws, Med. and Surg., and Engin. and Archit. The Rhodes Scholarship, awarded every year.

PUBLICATION. *Calendar* (Oct.).

THE YEAR 1950-51

NEW BUILDINGS. Reconstruction of Chemical and Hygiene labs., damaged by enemy action, still in progress. Foundation stone of New Sci. Labs. at St. Elmo, Valletta, laid by H.E. the Chancellor on April 15.

PRINCIPAL CHANGES IN REGULATIONS. Statute by which Univ. is governed was amended to regulate examns. in B.A. (Hons.) course ; eliminate differences in standard required in subjects preliminary to entry to the various courses ; integrate Admission courses in the Inter. courses in the Facs. of Arts and Science and make entry to higher courses possible only after pass at Inter.-Arts and/or Inter.-Sci. stage ; abolish courses leading to B.Sc. (Special) ; B.Econ. ; B.Comm. ; B.Educ. ; provide for a postgrad. course in Educn.

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.

VISIT OF MEMBER OF STAFF TO OTHER UNIVERSITY. Prof. A. J. Craig (Surg.), represented this Univ. at the Quincentenary Celebrations of Glasgow Univ.

DEATH. Prof. O. J. Fogarty, holder of Chair of Engl. Lit. and Hist.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	25	213
Women	9	12
Total	34	225

DEGREES AWARDED. B.D., 7 ; B.Ch.D., 2.

[Information compiled as at 1/8/52;
Staff list revised on 7/11/52.]

UNIVERSITY COLLEGE OF THE GOLD COAST*

Founded 1948

Postal Address : Achimota, Gold Coast, West Africa.

Cables : Univcoll., Achimota.

Telephone : Achimota Exchange.

(London Office : 29 Tavistock Sq., 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—.....

ACADEMIC REGISTRAR—M. DOWUONA, M.B.E., M.A. Oxon.

BURSAR—W. D. RUSSELL.

LIBRARIAN—A. ELISE WALKER, F.L.A.

DEAN—Rev. J. N. DUCKWORTH, M.A. Camb.

TEACHING STAFF

Agriculture

Phillips, J. F. V., D.Sc. Edin.
Prof.

Senior Lecturers

Wilson, A. S. B., B.Sc. Edin.

Nye, P. H., M.A., B.Sc. Oxon.

Dison, L., B.Sc. Rand.

Twum-Barima, K., B.A. Camb.
Lectr.

Cameron, J. F., B.Com. Lond.
Res. Fellow.

Hill, P. R. Farm Manager.

Archæology

Lawrence, A. W., M.A. Camb.
Prof.

Davies, O., M.A. Oxon., D.Litt.
Dub. Reader.

Collings, H. D., B.A. Camb.
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. Sr. Lectr.

Lecturers

Adams, C. D., B.Sc. Lond.

Lawson, G. W., B.Sc. Lond.

Morton, J. K., B.Sc. Durh.

Booth, Mrs. Cynthia P., B.A. Camb.

Holdsworth, M., B.Sc., Ph.D.
Lond.

Chemistry

Graham, J., B.Sc., Ph.D. Lond.
Prof.

Lecturers

Torto, F. G. T. O'B., B.Sc.* Ph.D.
Lond.

Higman, B., B.Sc., M.A. Oxon.

Hulme, R., B.Sc., M.A. Oxon.

Blair, J. A., B.Sc. Glas.

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

Classics

- Kidd, D. A., M.A. Aberd., M.A. Camb. Prof.
 Howorth, R. H., M.A. Camb. Reader.
 Astley, Sir Francis, B.A. Oxon. Sr. Lectr.
 Loader, W. R., M.A. Camb. (Anc. Hist.) Sr. Lectr.
 Ofosso-Appiah, L. H., M.A. Oxon. Lectr.

Economics

- Williams, J. W., M.Com. N.Z. Prof.
 Birmingham, W. B., B.Sc. (Econ.) Lond. Sr. Lectr.

Lecturers

- Niculescu, B. M., M.A. Camb., B.Sc. (Econ.) Lond.
 Bevin, H. J., B.Sc. (Econ.) Lond.
 Price, J. H., M.A. Oxon.
 Davison, R. B., B.Sc. (Econ.) Lond.

English

- Walton, G., M.A., M.Litt. Camb. Sr. Lectr.

Lecturers

- Lerner, L. D., M.A. Cape T., B.A. Camb.
 Stock, T. A., B.A. Oxon.
 Storch, R. F., B.A. Oxon.
 Lamb, S. S., B.A. McG.

French Studies

- Lawrenson, T. E., M.A. Manc. Sr. Lectr.
 Winterbottom, J. A., B.A. Lond. Lectr.

Geography

- Varley, W. J., M.A. Wales, Dr. Phil. Copenhagen Prof.

Lecturers

- Hilton, T. E., M.A. Manc.
 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.
 Brückner, W. D., Dr. Phil. Basle Lectr.
 Anderson, M. M., B.Sc. Wales Lectr.

History

- Prof.
 Fage, J. D., M.A., Ph.D. Camb. Sr. Lectr.

Lecturers

- Metcalfe, G. E., B.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.

Mathematics

- Blaney, J. H., M.Sc., Ph.D. Lond. Prof.

Lecturers

- Campbell, M. O'N., B.A. Camb.
 Clarke, L. E., M.A. Camb.
 Sawyer, D. B., M.A. Camb.
 Heymans, P., B.A. Lond.

Philosophy

- Taylor, D., M.A. W.Aust., B.A. Oxon. Prof.

Lecturers

- Grant, L. B., M.A. Melb.
 Tulloch, Doreen M., M.A. St. And.
 Gibbons, P. C., B.A. Syd., B.Phil. Oxon.
 Collins, E. F., B.A. Camb.

*Phonetics**Lecturers*

- Stevens, P. D., B.A. Lond.
 McCallien, Mrs. Catherine, M.A. Glas.
 Spicer, A., B.A. Lond.

Physics

- Huntley, H. E., B.Sc. Brist., Ph.D. Rand. Prof.

Lecturers

- Ward, L., M.Sc. Sheff.

Koster, Rev. J. R., M.Sc. De Paul.
 Burns, D. M., B.Sc. St. And.
 Ward, A. H., B.Sc., Ph.D. Birm.

Belfield, W., B.Sc. Manc.
 Booth, A. H., B.A. Camb.
 Buchanan, J. B., B.Sc. Aberd.

Sociology

Busia, K. A., B.A. Lond., M.A.,
 D.Phil. Oxon. Sr. Lectr.
 Tait, D., B.A. Lond. Lectr.
 Jahoda, G., M.Sc. (Econ.) Lond.
 Lectr.
 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.
 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. J., B.Sc., Ph.D. Edin.
 Lecturers
 Stride, G. O., B.Sc., Ph.D. Brist.

Extra-Mural Studies

Kimble, D., B.A. R'dg.
 (Seconded from Univ. of
 Oxford Delegacy of
 Extra-Mural Studies)
 Dir.

Resident Tutors

Bown, Lalage, B.A. Oxon.
 Austin, D. G., B.A. Lond.
 Graft-Johnson, J. C. de, B.Com.,
 M.A., Ph.D. Edin.
 Tordoff, W., B.A. Camb.
 Assistant Director
 Jones-Quartey, K. A. B., M.A.
 Col.

Institute of Education

Lewis, L. J., B.Sc. Wales. Dir.
 Hilliard, F. H., B.D., Ph.D. Lond.
 Sr. Lectr.

Lecturers

Grieve, D. W., M.A. Oxon.
 Treleven, Mrs. Hilda, M.A. Liv.
 Taylor, A., M.A. N.Z.
 Oddoye, J. G., M.A. Camb.

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. Asst. Registrars :
 A. Wainwright, B.Com. Liv., A. M. Reeder, B.A. Oxon., J. H. Tomson, B.A.
 Wales, E. Hughes, B.A. Wales. 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., R. S. Burkett, M.A. Camb.,
 D. Kelly, B.A. Manc. and Camb. Sec. to Inst. of Educn. : Rosemary M. Cave.
 Manciple : G. A. Deegan. Asst. Manciple : Domestic Bursar
 (Ligon Hall) : B. C. Bloxham. Agric. Lab. and Field Curator : R. Low.
 Botanic Garden Curator : E. R. Vaughan. Phys. Chief Technician : R. W.
 Johnson. Zool. Chief Technician : W. McGill. Supervisor of Works : J. F. G.
 Smallridge. Dep. Supervisor of Works : H. Thompson. Bookshop Manager :
 R. E. Brammah.

LONDON OFFICE. W. G. Sewell, M.Sc. Leeds, Asst. Registrar.

GENERAL INFORMATION

This is a non-govt. institution incorporated by the University College of
 the Gold Coast Ordinance, 1948. Nominations to the College Council are made

by the Governor in Council, the Territorial Councils of Chiefs and the Academic Bd. The Coll. has been admitted to the special relationship with the Univ. of London as recommended by the Asquith Commission on Higher Education in the Colonies, 1945. A site of 5 square miles near Accra, presented by the Govt., is being developed for the permanent bldgs. of the Coll. Some of these are under constrcn. and the first, including one permanent Hall, are approaching completion. Until there is sufficient accomm. on the permanent site, parts of the Coll. will continue to be housed in bldgs. belonging to Achimota School and in temp. bldgs. within the Achimota School precincts.

An initial grant of £896,000 was made by the Gold Coast Cocoa Marketing Board, which also, in 1950, made a further grant of £1,000,000 for the development of a Dept. of Agric. and the associated Sci. Depts. The Gold Coast Govt. has also undertaken, in the first instance, to subscribe £1,100,000 towards the cost of the permanent bldgs. and their equipment. Annual revenue is voted quinquennially by the Legislative Assembly.

Messrs. Harrison, Barnes & Hubbard are the Architects to the College.

ADMISSION. Entrance to degree courses is by annual competitive examn. Candidates must be exempt from Matricn. (approx. standard : Sch. Certif. with 6 credits). Entrance to the course in the Inst. of Educn. leading to the Associate's Certif. is by a separate examn., to which only experienced teachers are admitted.

DEGREE COURSES are provided for Hons., Spec. and General London Degrees in Arts, Sci., Div. and Econ. Graduate students and full-time teaching and res. officers of the Coll. may register for the Ph.D. degree of London under the internal regulns.

FEES. Inclusive fee for tuition and residence, £100 p.a.

The **LANGUAGE OF INSTRUCTION** is English. Non-members of the College not admitted to classes. All students required to reside full-time.

The **INSTITUTE OF EDUCATION** gives internal courses for postgraduate Diploma and non-graduate Associate Certificate (for experienced teachers only).

TERMS. Michaelmas : Oct. to Dec. Lent : Jan. to March. Trinity : April to June.

THE YEAR 1950-51

BENEFACTIONS. H.M. Govt. approved the grant of £400,000 from Colonial Development and Welfare funds towards the bldg. and capital expenditure programme of the Coll. Work commenced on first permanent bldgs. and a rd. connecting the permanent site at Legon with the temp. site at Achimota Sch.

NEW DEPARTMENT. Dept. of Archæol. created. At invitation of Gold Coast Govt., Coll. agreed to make provision, within the Coll. precincts, for a Gold Coast National Museum.

EXAMINATIONS. The first final degree examns., for the degree of B.Sc. (Gen.), were held under the Special Relationship. The first College examn., in the Inst. of Education, for the Associate's Certif. was held.

OTHER EVENTS. The International West African Educational Conference was held in the Coll. in Jan. 1951. Prof. W. J. McCallien was the Coll.'s delegate to the quincentenary celebrations of the Univ. of Glasgow.

RETIREMENT. Prof. P. Gurrey (English).

RESIGNATION. K. H. G. Eichenberg (Supervisor of Works), apptd. to Kumasi Coll. of Technol., Gold Coast.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	198
Women	..	15
Total	..	213

Included in the above are 117 new admissions.

DEGREES, ETC. Lond. B.Sc. (Gen.), 6. Associate's Certif., 28.

UNIVERSITY COLLEGE, IBADAN*

Founded 1948

Postal Address : Ibadan, Nigeria, British West Africa.

Cables : University, Ibadan.

Telephone : Ibadan 210.

(London Representative, 1 Gordon Sq., W.C.1. Telephone : Langham 2705.)

CHAIRMAN OF PROVISIONAL COUNCIL—Sir SYDNEY PHILLIPSON, C.M.G.,
M.A. Manc.

PRINCIPAL—K. MELLANBY, O.B.E., Ph.D. Lond., Sc.D. Camb.

REGISTRAR—W. A. HUSBAND, B.Com. Durh.

ASST. REGISTRAR (Academic)—D. W. ANDREAS, M.A. St. And.

ACTG. ASST. REGISTRAR (Finance)—N. C. BOURNE, B.Com. Lond.

WARDEN—K. S. LAMBERT, F.L.A.

LIBRARIAN—W. J. HARRIS, B.A. Oxon.

TEACHING STAFF

Agriculture, v. infra

Biology

Elgood, J. H., M.A. Camb.
Sr. Lectr.

Botany

Sansome, F. W., Ph.D. Edin.,
F.L.S. Prof.

Savory, H. J., M.Sc. Brist.
Sr. Lectr.

Njoku, E., B.A. Lond., M.Sc.
Manc., F.L.S.

Hon. Res. Fellow.
Banbury, G. H., B.Sc. Lond.

Lectr.
Berrie, G. K., B.Sc. Manc.
Asst. 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.

Classics

Cadle, E. A., M.A. Camb.
Sr. Lectr.

McKay, K. L., B.A. Syd. and
Camb. Lectr.

Bowman, A. I., M.A. Glas.
Lectr.

Assistant Lecturers

Hands, A. R., B.A. Oxon. (Anc:
H.).

Bradshaw, A. T. von S., B.A. Dub.

English

Christophersen, P. H., Ph.D.
Camb., Dr. Phil. Copenhagen
Prof.

Robinson, E. H., M.A. Camb.
Lectr.

Stein, Rachel, B.A. Wales, B.Litt.
Oxon. Lectr.

Green, Joyce M., B.A. Brist.
Lectr.

Brosnahan, L. F., M.A. N.Z.
Lectr.



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

Parsons, Leila, M.A. Lond.

Asst. Lectr.

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, Margaret, M.A. Camb.

Temp. Asst. Lectr.

History

.....

Sr. Lectr.

Lecturers

Copeland, Jean L., M.A. Lond.

Anstey, R. T., B.A. Camb.

Saxton, W. A., B.A. Camb.

McPherson, Jean M., B.A. Lond.

Asst. Lectr.

Mathematics

Atkinson, F. V., M.A., D.Phil.

Oxon.

Prof.

.....

Sr. Lectr.

Lecturers

Jaeger, A., Dr.rer.nat. Göttingen.

Obi, C., M.Sc. Lond., Ph.D. Camb.

Denniston, R. H. F., M.A. N.Z.,

Ph.D. Camb.

Zulauf, A., Dr.rer.nat. Mainz

Temp. Lectr.

Wilson, D. H., B.Sc. Lond.

Asst. Lectr.

Medicine, v. infra

Mycology

Sansome, Eva R., M.Sc. Durh.,

D.Sc. Manc. Res. Fellow.

Parasitology

Mellanby, K., O.B.E., Ph.D.

Lond., Sc.D. Camb. Prof.

Onabamiro, S. D., B.Sc. Manc.,

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.

Asst. Lectr.

Bastin, J. A., B.A. Oxon.

Asst. Lectr.

Religious Studies

Welch, J. W., M.A., Ph.D. Camb.,

M.Ed. Durh. Prof.

Parrinder, Rev. G., M.A., M.Th.,

Ph.D. Lond. Lectr.

Scientific French and German

Cohne, Margaret, L. ès L. Lille

Lectr.

Zoology

Webb, J. E., D.Sc., Ph.D. Lond.

Prof.

Elgood, J. H., M.A. Camb.

Sr. Lectr.

Webb, Gwenlilian C., B.Sc. Lond.

Lectr.

Clausen, H. S., M.Sc. Copenhagen

Lectr.

Harris, V. A. P., B.Sc. Lond.

Asst. Lectr.

Agriculture

..... Prof.

Ebes, K., Dr.Ir. Wageningen

(Trop. Agric.) Sr. Lectr.

Lecturers

Sawyer, J. C., Ph.D. R'dg. (Agric.

Bot.).

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).

Fatimehin, J. O., B.Sc. Lond.

(Soil Sci.) Demr.

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.

Obstetrics and Gynæcology

..... Prof.
Lawson, J. B., M.A., M.B., B.Chir.
Camb. Sr. Lectr.
Medine, S. M., M.D., C.M. McG.
Lectr.

Pathology

Silvera, W. D., M.B., Ch.B.,
F.R.C.P.Ed. Sr. Lectr.
Edozien, J. C., B.Sc. Lond. (Clin.
Biochem.) Lectr.

Pharmacology

Broadbent, J. L., M.D. Leeds
Lectr.

Physiology

Parsons, T. R., B.Sc. Lond., M.A.
Camb. Prof.
Nicol, D. S. H., M.A., M.B., B.Ch.
Camb. Lectr.
Dosekun, F. O., B.A. Dub., B.Sc.
Lond., F.L.S. Lectr.

Preventive and Social Medicine

Ajose, O. A., M.D. Glas., D.P.H.
Prof.

Radiology

..... Lectr.

Surgery

Joly, Beatrice M., M.D. Lond.,
F.R.C.S.Ed. Prof.
Konstam, P. G., M.D. Frankfort,
F.R.C.S.Ed. Sr. Lectr.
Thomas, H. O., M.B., Ch.B. Birm.,
F.R.C.S. Lectr.

Extra-Mural Studies

Gardiner, R. K. A., B.A. Camb.,
B.Sc. (Econ.) Lond. Dir.
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.

**W. African Institute of Social and
Economic Research**

Whyte, W. H., M.A. Leeds Dir.
Research Fellows
Dike, K. O., M.A. Aberd., Ph.D.
Lond.
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. Oklah.,
Ph.D. Chic.

ADMINISTRATIVE AND OTHER STAFF

Temp. 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. Middlemas, M.A. St. And. London Representative : Fiona T. Handley, B.A. Lond. Administrative Assts. : M. R. Garber, B.A. Durh., J. O. Awopeju, B.A. Lond. Chief Clerks : (Admin.), M. A.

Ogunleye (Acad.), E. Aniteye (Finance). Sec. to West African Inst. of Social and Econ. Research : D. N. Leich, M.A. Camb.

GENERAL INFORMATION

University College, Ibadan, is an autonomous institution. The financial management is in the hands of a Provisional Council, representative of both Nigeria and the United Kingdom. Teaching and Research is the charge of an Academic Board of which the heads of all departments are members. The Board is represented on the Council. The College was opened in Jan. 1948, and in Sept. 1948 the Provisional Council was incorporated by Government Ordinance. A grant has been made under the Colonial Development and Welfare Act towards the cost of the permanent buildings. An annual grant is received from the Nigerian Government and other income comes from endowments and fees. In addition, endowments amounting to £750,000 and £1,175,000 have been received from the Nigerian Government and the Nigerian Cocoa Marketing Board respectively. An Endowment Fund Appeal has been launched.

LANGUAGE OF INSTRUCTION : English.

ADMISSION. Students are required to pass the College Entrance Examn., for which they are ordinarily eligible only if they have passed the Cambridge School Certif. and have attained a standard equivalent to that required for exemption from London Matricn. under the Regns. in force before April 1951.

TERMS. There are three terms in the academic year, which lasts from Oct. until June.

FEES. £95-£130 p.a. These fees cover board and tuition. All students are resident.

SCHOLARSHIPS, ETC. Fees plus £50 p.a. for duration of course awarded on entrance examn. in any Fac. ; fees plus £25 p.a. and vacation allowances (Nigerian Cocoa Marketing Bd.) open to sons and daughters of cocoa farmers. The Nigerian Govt. awards scholps. 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 instructn. 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 at present prepared for the B.A., B.Sc. and B.Sc. (Agric.) degrees. 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., K. S. Lambert, F.L.A.) makes arrangements for sending students overseas for supplementary courses.

LIBRARY. Over 60,000 vols. in Arts, Sciences, Med. and Agric. ; subscribes to 800 current journals. Special collections include W. African Hist. and Ethnol., Trop. Agric. and Trop. Med. The Library is legal depository for all Nigerian publications.

A new TEACHING HOSPITAL is being planned ; at present clinical teaching and res. teaching are carried out in one Govt. and one Native Admin. Hospl.

The WEST AFRICAN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH is associated with the Univ. Coll.

HONORARY ASSOCIATES. Sir John MacPherson, Governor of Nigeria; Professor T. Monod, Directeur de l'Institut Français de l'Afrique Noire; Professor C. Daryll Forde; the Rt. Hon. Walter Elliot.

The STUDENT HEALTH SERVICE is under the supervision of the Prof. of Med.

The UNION controls all student athletic and other extra-curricular activities. Student officers are elected terminally.

PUBLICATIONS. *Calendar* (annual, 3s. 6d.); *Annual Report*; *Library Record* (monthly); *University Herald* (student; terminal); *News & Views* (Dept. of Extra-Mural Studies).

THE YEAR 1950-51

NEW BUILDINGS. Main pt. of Coll. still housed in temp. bldgs.; but work on the permanent site has progressed considerably, and many residential quarters and labs. for pre-clin. teaching and for Agric. completed.

EXTRA-MURAL WORK. 99 classes provided and 3263 persons attended. This total includes Extra-Mural Classes proper and sp. classes for teachers taking local professional examns.

RESIGNATIONS. Prof. J. P. Andrews (Physics), apptd. Principal, Kumasi Coll. of Technol.; E. W. Bastin (Phys.), apptd. to res. post Camb. U.; Prof. McIlroy (Chem.), apptd. Dir., Tocklai Experimental Station, Assam; P. H. Nye (Agric.), apptd. to U.C. of Gold Coast; R. O. Williams (Extra-Mural Studies), seconded as Asst. Lectr., History; E. Njoku (Bot.); Dr. K. O. Dike (Hist.), seconded to W. African Inst. of Social and Economic Res.; G. Braithwaite (Maths.), apptd. to Kumasi Coll. of Technol.; Dr. J. Karefa-Smart (Med.); Prof. A. H. C. Walker (Obstet. & Gynæcol.); A. N. Smith (Pathol.); Miss N. J. Chamberlayne (Principal's Sec.); Miss E. J. Carnell (Dep. Librarian).

VISITS BY MEMBERS OF STAFF FROM OTHER UNIVERSITIES. Prof. E. M. Killick, Lond.; Prof. H. J. Seddon, Lond.; R. E. Wraith, L.S.E. Lond.; Prof. A. Robertson, Edin.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	313
Women	..	14
Total	..	327

DEGREES AWARDED. B.A., 10; B.Sc., 8.

MAKERERE COLLEGE THE UNIVERSITY COLLEGE OF EAST AFRICA *

Postal Address : P.O. Box 262, Kampala, Uganda, 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—Sir REGINALD E. ROBINS, C.M.G., O.B.E.

PRINCIPAL—BERNARD DE BUNSEN, M.A. Oxon.

VICE-PRINCIPAL—F. L. GEE, M.A. Oxon.

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.
Wilson, P. N., M.Sc. Lond.
Asst. Lectr.

Art

Trowell, Mrs. K. Margaret, M.B.E.
Sr. Lectr., Hd. of Sch.
Pearce, R. Lectr.
Maloba, G. P. Asst. Lectr.
Ntiro, S. J. Asst.

Biology

Beadle, L. C., M.A. Camb.
Prof., Dean Fac. of Sci.
Lind, Edna M., B.Sc., M.D. Liv.
Reader.
Calder, E. A., B.Sc. Leeds Lectr.
Milburn, T. R., B.Sc. Durh.
Lectr.

Chemistry

Tenniswood, C. R. S., M.Sc. Durh.,
F.R.I.C. Prof.

Naylor, R. F., Ph.D., B.Sc. Lond.,
D.I.C., F.R.I.C. Sr. Lectr.
Wilson, J. M., M.Sc. Belf.
Sr. Lectr.
Peal, W. J., B.Sc. Lond.
Asst. Lectr.

Education

Lucas, E. A., M.A. Camb. Prof.
Gale, H. P., B.A. Lond.
Sr. Lectr.
Graham, P. M. Margaret, M.A.
Oxon., M.Ed. Lond.
Pt.-time Sr. Lectr.
Lule, Y. K., B.Sc. S.A., B.Ed.
Edin. Lectr.
McAdam, Mrs. Hrothgarde L. M.,
M.A. Camb. Lectr.
Makumbi, T., B.A. Camb.
Headmaster, Demonstration Sch.

English

Warner, A. J., M.A. Camb. Prof.
Evans, M., B.A., Ph.D. Camb.
Sr. Lectr.

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

Greenslade, B. D., B.A. Lond.

Lectr.

Macpherson, Mrs. Margaret, M.A.
Oxon. Lectr.

Wilshire, A. D., B.A. Lond.
Asst. Lectr.

Geography

Baker, S. J. K., M.A. Liv.
Prof., Dean Fac. of Arts.

Ford, V. C. R., M.A. Lond., A.K.C.
Lectr.

Carney, Rev. Father G., M.A.
Camb. Pt.-time Lectr.

McMaster, D. N., B.A. Oxon.
Asst. Lectr.

History

Ingham, K., M.C., M.A., D.Phil.
Oxon. 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.
Lectr.

Khabaza, I. M., B.A. Nott.
Asst. Lectr.

Physics

Gee, F. L., M.A. Oxon. Reader.
Assistant Lecturers

Beadle, Mrs. S. F., B.Sc. Lond.
Thomson, D. M., B.A. Camb.

Harrison, L. E., M.A. Camb.

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.) Asst. Lectr.

Medicine

Anæsthetics

Hudd, H. R., B.Sc., M.B., B.Ch.,
D.A. Pt.-time.*

Anatomy

Galloway, A., M.B.E., M.A., M.B.,
Ch.B. Aberd., D.Sc. Rand.,
F.R.S.S.Af.

Prof., Dean Fac. of Med.

Allbrook, D. N., M.B., B.S. Lond.

Dental Surgery

Asplet, P. R. Pt.-time.

Gynæcology and Obstetrics

Rendle-Short, Coralie, M.B., Ch.M.
Brist. Hd. of Dept.

Medicine

Williams, A. W., M.A., M.D.
Camb., D.T.M. & H.

Hd. of Dept.

Ball, J. D., M.B., B.S. Lond.
First Asst.

Pt.-time

Trowell, H. C., M.D., B.S., F.R.C.P.
Campbell-Young, G. C., D.P.M.

Ophthalmology

Boaze, A. J., D.O.M.S., F.R.C.S.
Pt.-time.*

Pathology

Davies, J. N. P., M.D. Brist.
Hd. of Dept.

Pt.-time *

Raper, A. B., B.Sc., M.D., Ch.B.
Elmes, B. G. T., M.D., F.R.C.P.

Ed.

Musoke, L., Dip. Med.
Graduate Demr.

Pharmacology

Achari, G., M.B., B.S. Patna,
Ph.D. Leeds Lectr.

Pharmacy

Musson, E. Pt.-time.*

Physiology

Holmes, E. G., M.A., M.D. Camb.

Prof.

Stanier, Margaret W., M.A. Oxon.

Lectr.

Preventive Medicine

Bozman, C. A., O.B.E., M.B.,

B.Ch. Edin., D.P.H.

Hd. of Dept.

Surgery

Croot, H. J., M.B., B.S. Lond.,

F.R.C.S. Hd. of Dept.

Hamilton, D. M., B.A., B.M.,

B.Ch. Oxon., F.R.C.S.

First Asst.

Pt.-time *

McAdam, I. W. J., M.B., Ch.B.,

F.R.C.S.

Burkitt, D. P., M.D., Ch.B.,

F.R.C.S.

Mowat, A., M.B., Ch.B., D.T.M. &

H., F.R.C.S.

Veterinary Science(P.O. Kabete, Kenya. *Telephone* :

Kabete 238)

Polding, J. B., Ph.D., B.Sc. (Clin.

Vet. Sci.)

Prof., Dean of Fac.

Barrett, M. A., B.Sc. R'dg.

(Animal Husb.)

Reader.

Simpson, Mrs. Ruth M., B.V.Sc.

Liv. (Clin. Vet. Med.)

Reader.

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., Anthropologist.

Fallers, L. A., M.A. Chic., Anthro-

pologist.

Reining, Mrs. P. C., Ph.D. Chic.,

Anthropologist.

Winter, E. H., B.A. Harv., Anthro-

pologist.

Laird, A. J., M.A., B.Sc. Edin.,

Psychologist.

Whiteley, W., B.A. Lond., Lin-

guist.

Morris, H. S., B.Sc. Edin., Dip.

Anthrop. Lond., Sociologist.

Junior Research Fellows

Tyler, J. W., B.A. Lond., Anthro-

pologist.

Wrigley, C., B.A. Oxon., Econo-

mic Historian.

Fortt, Miss J. M., B.A. Lond.

ADMINISTRATIVE AND OTHER STAFF

Bursar : J. E. Burrough. Dean of Coll. : A. G. Macpherson, M.A. Wardens : Men Students, Rev. F. B. Welbourn, M.A. Camb., E. A. Calder, B.Sc. ; Women Students, P. Margaret M. Graham, M.A., M.Ed. Assistant Librarians : Johanna Bouman, B.A. Stell., Dip. Lib. Cape T., F.S.A.L.A., E. J. Belton, B.A. Oxon. Chaplains : Rev. Father G. Carney, M.A. Camb. (Catholic), Rev. F. B. Welbourn, M.A. Camb. (other branches of the Church).

GENERAL INFORMATION

Makerere College was founded in 1922 as a Technical Sch. under the Educn. Dept. of Uganda Admin. It rapidly broadened its educational aims and raised its standard of work, for even in quite early yrs. its potentialities as a centre for advanced educn. were not ignored. Following the De la Warr Report in 1937, which pointed to the future of the Coll. as a centre of higher studies in

* Seconded by Govt. Medical Service.

E. Africa, under the inspiration of Sir Philip Mitchell the Coll. was presented with land and an endowment and a nucleus of its bldgs. Work on the present admin. block was inaugurated by H.R.H. the Duke of Gloucester, and the block with its twin chapels was completed in 1941. Support and benefactors from African and European sources have consolidated the inter-territorial status of Makerere. On the recommendation of the Asquith Commission in 1945 it was definitely decided that the Coll. should become the centre of Univ. studies in E. Africa. A Scheme of Special Relationship with the Univ. of London was entered into at the end of 1949, whereupon the Coll. assumed its present title. Courses leading to the General Degrees of the Univ. of London in Arts and Sci. started at the beginning of 1950.

The govt. and admin. of the Coll. follow the provisions of the Makerere College Act, 1949, and so far as these are applicable, the established practices and conventions of English Civic Univs.

The policy of the Coll. is that it shall be open to all students, regardless of race, colour and religion, who have the academic qualificns. nec. for admission. Entries are accepted from any of the E. African Territories, *i.e.* Kenya, Uganda, Tanganyika and Zanzibar. Entries from N. Rhodesia and Nyasaland, as well as from the southern part of the Anglo-Egyptian Sudan, are also considered.

On admission to the Coll., students reside in one or other of the Halls of Residence: Mitchell Hall (accomm. 214 men students) or Northcote Hall (180 men students). There is one hostel for women students, which will accomm. approx. 12, and a new hostel is to be built for women which will accomm. 50 students. It is planned to build another Hall, similar to Northcote Hall, to accomm. a further 180 men students. At the Med. Sch., there is accomm. for med. students in the clin. yrs. of their course. At Kabete, Kenya, there is accomm. for Vet. Sci. students.

A large building programme, financed by a grant of £1,100,000 from the Colonial Development and Welfare Act, is at present under way, consisting of a new Arts Block, Phys. Lab., Chem. Lab., Staff Houses and the Halls of Residence mentioned above. When completed (it is hoped by 1955) the number of students accommodated will be 630, including 50 women.

FACULTIES AND DEANS. *Agriculture*, Prof. F. B. Wilson; *Arts*, Prof. S. J. K. Baker; *Education*, Prof. E. Lucas; *Medicine*, Prof. A. Galloway; *Science*, Prof. L. C. Beadle; *Veterinary Science*, Prof. J. B. Polding.

LANGUAGE OF INSTRUCTION: English.

LIBRARIES. Main library, approx. 20,000 vols.; sub-library at Med. Sch., approx. 6000 vols.

There are 2 Chapels (the Chapel of St. Augustine for Catholics, and the Chapel of St. Francis for members of other branches of the Church) and a Mosque.

STUDENT ATHLETIC FACILITIES. The Coll. has its own playing fields, and there are facilities for athletics, football, hockey, cricket, tennis, boxing and swimming.

A CADET CORPS has been in existence for some yrs.

ALUMNI SOCIETY. Makerere College Union Society. Further information from Sec., c/o The Dean, Makerere Coll.

The EAST AFRICAN INSTITUTE OF SOCIAL RESEARCH is administered by the Coll.; Dir., Dr. A. 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 1951

RESIGNATIONS. R. W. Stuckey (Agric.); G. Hamlyn (Academic Asst. Registrar).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	227
Women	..	11
Total	..	238

Included in the above are 68 new admissions.

DEGREE COURSES. The first degree examns. will be held in Dec. 1953. In Dec. 1951 undergrads. sat for the first Inter. examns. in Arts and Sci.

DIPLOMAS. Med., 3; Educn., 31; Agric., 3.

UNIVERSITY COLLEGE OF THE WEST INDIES*

Founded 1946 ; incorporated by Royal Charter 1949

Postal Address : Mona, St. Andrew, Jamaica, British West Indies.

Cable and Telegraph : University Jamaica.

Telephone : P.B.X. 7435.

VISITOR—H.M. THE 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.

Lecturers

Martin, S. L., M.Sc. Lond., D.I.C.,
F.R.I.C.

Sharp, Violet, M.A. Camb., M.Sc.
Lond., Ph.D. Birm.

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

Education

D'Aeth, H. R. X., M.A. Harv.,
B.A., Ph.D. Camb. Prof.

English

Croston, A. K., M.A. Camb.

Prof.

Lecturers

Le Page, R. B., B.A. Oxon.

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.

Assistant Lecturers

Goveia, Elsa V., B.A. Lond.

Fraser, D. G. L., M.A. Acad.

Languages, Modern

Sandmann, M., M.A., D.Litt.
Glas., Dr. Phil. Bonn Prof.

Lecturers

Coulthard, G. R., B.A. Oxon.

Mailer, W., M.A. Edin., L. ès L.

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

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., B.A. Camb.

Asst. Lectr.

*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. Lond.

Assistant Lecturers

Mugglestone, D., B.Sc. St. And.

Mykura, H., B.Sc. Lond.

*Physiology, v. Medicine, infra**Zoology*Millott, N., M.Sc. Sheff., Ph.D.
Camb. Prof.Rankin, Jessie J., B.Sc., Ph.D.
Edin. Lectr.

Underwood, G. L., B.Sc. Lond.

Asst. Lectr.

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, M. 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

Prof.

Grant, L., M.B., Ch.B. Edin.,
M.P.H. Mich.

Lecturers

Caselitz, F. H., M.D. Hamburg.

Clearkin, K. P., M.B., B.Ch. Belf.

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

*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

Waterlow, J. C., M.D. Camb.

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.
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, B.A. Leeds.*Jamaica*—Mrs. G. Cumper,

B.A. Tor., LL.B. Camb.

Windward Islands—B.H.

Easter, C.M.G., C.B.E., B.A.

Lond. *Trinidad*—A. Pearse,B.A. Camb. *Brit. Honduras*

—R. E. G. Farley, B.A.,

B.Sc. Lond. *Brit. Guiana*—

A. A. Thompson, B.A. Lond.

Barbados—A. E. Douglas-

Smith, B.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. Siffleet,
B.Sc. Lond.; K. H. Straw,
B.A. Manc.

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 Educ. in the Colonies under the chairmanship of Sir James Irvine, Principal and Vice-Chancellor of the Univ. of St. Andrews. It is an autonomous institution, governed by a Council to which each of the British Caribbean Colonies nominates a member and on which the Senate and the Inter-Univ. Council are represented. The Senate consists of members of the teaching staff with the Principal as Chairman. A grant has been made from Colonial Development and Welfare funds towards the capital costs and recurrent expenditure is met from the revenues of the Caribbean Colonies. Undergraduates were first admitted in Oct. 1948. The Govt. of Jamaica has given on lease for 999 years a site of over one square mile about seven miles from Kingston. Existing wooden buildings on the site are still partly in use and provide satisfactory temporary accommodation for undergraduate quarters, library, labs., lecture rooms and administrative offices.

AN INSTITUTE OF SOCIAL AND ECONOMIC RESEARCH is associated with the Univ. Coll. The capital cost and recurrent expenditure for 5 yrs. is covered by a grant from the Colonial Social Science Research Council.

ADMISSION. Men and women are eligible for admission if they 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 1950-51

GENERAL. Progress in the development of the Univ. Coll. maintained. The College suffered considerable damage, however, as the result of a severe hurricane which struck Jamaica on Aug. 17, 1951.

BENEFACTIONS. A generous grant from British Treasury, voluntary subscriptions from British Univ. institutions and private contributions from Britain, the West Indies and the U.S.A. have provided for repair of bldgs. and replacement of equipment damaged by hurricane. Messrs. Wieting and Richter, Ltd., of British Guiana, \$3600 B.W.I. to be held as a trust fund to assist deserving students from that Colony. Jamaica Chamber of Commerce, £1347 for spectrograph. British Guiana Sugar Industry, £1500 for equipment for Library.

SITE AND BUILDINGS. The first Hall of Residence, Irvine Hall, in use throughout yr.; 2 addl. Halls under constrcn. Library, Sci. Schs., Arts block and Univ. Coll. Hospl. nearing completion. Work on Students' Union about to begin.

EXTRA-MURAL DEPARTMENT. The Department received valuable co-operation from Caribbean Governments, British Council, Carnegie Corporation and other organizations. Sp. courses and summer schools held in Antigua, Barbados, Jamaica, Tortola and Trinidad. Circulation of booklets, *Caribbean Quarterly* and *Caribbean Affairs*, greatly increased. Departmental *Bulletin* circulated.

VISIT BY MEMBER OF STAFF FROM OTHER UNIVERSITY. Dr. L. Broom, Calif., visited Coll. under Fulbright Programme.

VISITS OF MEMBER OF STAFF TO OTHER UNIVERSITIES. Under auspices of Carnegie Corporation of New York the Registrar visited several Univs. in U.S.A.

STUDENTS. •

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	111
Women	..	34
Total	..	145

Included in the above are 76 new admissions.

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—Sir RAYMOND PRIESTLEY, M.C.,
M.A. Camb. and Birm., D.Sc. Melb., Hon. D.Sc. N.Z., Hon.
LL.D. St. And., Natal and Dal., Hon. D.Litt. Malaya.

PRINCIPAL—H. J. PAGE, C.M.G., O.B.E., B.Sc. Lond., F.R.I.C.

VICE-PRINCIPAL—C. Y. SHEPHARD, C.B.E., B.Sc. (Econ.), Ph.D. Lond.

DEAN AND REGISTRAR—G. G. GIANETTI, M.A., Dip.Agr. (Econ.) Camb.

BURSAR—H. N. LEE, O.B.E.

ASSISTANT BURSAR—J. SHIELDS.

LIBRARIAN—MABEL E. M. PRICE.

ENGINEER AND TECHNICAL ASSISTANT—C. T. WATTS.

ASST. TO ENGINEER AND TECHNICAL ASSISTANT—I. J. COOK.

MEDICAL AND HEALTH OFFICER—MARY GIANETTI, M.B., Ch.B.,
D.P.H. Glas.

SECRETARY—Mrs. N. H. YOUNG, M.B.E., Rooms 104/5, 40 Norfolk
Street, Strand, London, W.C.2.

MANAGER, MILNER HOSTEL—C. E. HOWELL.

TEACHING STAFF

Agriculture

Killick, A. B., C.M.G., B.Sc. Lond.,
Dip.Agric. Wye Prof.

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.

Hudson, F. Farm Manager.

Botany and Plant Pathology

Baker, R. E. D., M.A. Camb.,
A.I.C.T.A. Prof.

Wilson, J., B.Sc. Durh. Lectr.

Hutchinson, P. B., M.Sc. N.Z.

Lectr.

Dale, W. T., B.Sc. Leeds,

A.I.C.T.A. Lectr.

Chemistry and Soil Science

Hardy, F., C.B.E., M.A., Dip.Agr.
Camb. Prof.

ap Griffith, G., B.Sc., Ph.D. Wales,

A.I.C.T.A. Reader.

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

Rodrigues, G., F.R.I.C. Lectr.

Economics

Shephard, C. Y., C.B.E., B.Sc.
(Econ.), Ph.D. Lond. Prof.

Jolly, A. L., M.A. Camb., M.Sc.
Wales, Ph.D. Lond. Lectr.

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

Fennan, 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.

White, V. E., D.I.C.T.A.

Asst. Manager, River
Estate.

Holliday, P., B.A. Camb.

Plant Pathologist.

Wasowicz, T. E., Ing. Agric. War-
saw, Ph.D. Agric. Cracow

Sr. Soil Chemist.

Havord, G., B.Sc. Lond.

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.

Darcel, F. C., B.Sc. Agric. R'dg.

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.

Birse, E. L., B.Sc. Aberd.

Finch, T. F., M.Sc., B.A. Dub.

Sugar Research

Wiggins, L. F. D.Sc., Ph.D.
Birm., F.R.I.C. Director.

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.

Research Scholar

Richardson, Mrs. S. H., B.Sc. McG.

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 qualifications in Science.

(4) A 1-yr. postgraduate course, leading to a *Diploma* in Tropical Agriculture (D.T.A. Trin.), necessitating not less than 1 yr.'s postgraduate training or experience before entry. This course is open to Colonial Office probationers who have already had a one-year postgraduate course at Cambridge and to students possessing a degree in Agriculture or Natural Science or a Diploma of an approved Agricultural College involving at least a 3-yr. course of study in Agriculture or Horticulture together with at least 1 yr.'s approved

postgraduate training, either at Cambridge or elsewhere, or who possess approved equivalent postgraduate experience.

(5) Special courses, particulars of which may be obtained on application to the Registrar.

TUITION FEES. *Diploma Courses*: British subjects from contributing colonies, £25 p.a.; other British subjects, £50 p.a.; Foreign subjects, £100 p.a. A limited number of students from contributing colonies on the nomination of the respective Governments are admitted without payment of tuition fees. *Associateship and Postgraduate D.T.A. Courses*: British subjects, £75 p.a.; Foreign subjects, £125 p.a. *Special Courses*: British subjects nominated by Govts. of contributing colonies, £15; other British subjects, £75; foreign subjects, £125.

EXPENSES. The following figures are given as an approximate estimate for students coming from a country to which they cannot return for the Long Vacation: Living, £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 1950-51

EXTRA-MURAL WORK. Visits of Coll. Officers to neighbouring colonies in the Caribbean area.

STUDENTS. Full-time, 55; graduates and special course students, 25; preparing for diploma, 30. Included in the above total were 33 first-year admissions.

DIPLOMAS. D.I.C.T.A., 4; D.T.A. Trin., 15.

ASSOCIATESHIPS. 2.

COLLEGE OF AGRICULTURE MAURITIUS

Founded 1923

Postal Address : Réduit, Mauritius.

Telegraphic Address : Réduit, Mauritius.

Telephone : Rose-Hill 390.

CHAIRMAN OF ADVISORY BOARD—W. ALLAN, O.B.E., B.Sc. Glas.

ACTING PRINCIPAL—J. R. LAGESSE, B.Sc. Lond.

LECTURERS

Agricultural Meteorology—de Sor-
nay, A., B.Sc. Lond.

Agronomy—Coombes, Capt. A. N.,
B.Sc. R'dg.; Julien, J. H.

Animal Husbandry and Vet. Science
—Darné, A.

Biology and Entomology—Wil-
liams, J. R., B.Sc. Brist.,
D.I.C., F.R.E.S.; Mamet, R.

Botany and Agric. Botany—An-
toine, 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. En-
gineering*—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 1950-51

STUDENTS. Full-time : 33. Part-time : 8. 1 woman student.

DIPLOMAS in Agric., 7.

CONDOMINIUM

ANGLO-EGYPTIAN SUDAN

UNIVERSITY COLLEGE OF KHARTOUM

Founded 1951

Incorporating GORDON MEMORIAL COLLEGE (founded 1902)
and THE KITCHENER SCHOOL OF MEDICINE (founded 1924)

Postal Address : P.O. Box 321, Khartoum, 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—.....

PRINCIPAL—L. C. WILCHER, B.A. Adel., M.A., B.Litt. Oxon.

VICE-PRINCIPAL—I. A. IBRAHIM, M.B.E.

REGISTRAR—G. C. WOOD, M.A. Oxon.

DEANS—*Administration and Law*—J. P. S. DANIELL, M.A. Oxon. :

Agriculture—B. M. BOYNS, B.Sc., Ph.D. Durh. ; *Arts*—A. B. THEOBALD, B.A., Dip.Ed. Lond. ; *Engineering*—A. W. HENDRY, B.Sc. Eng., Ph.D. Aberd. ; *Medicine*—R. B. U. SOMERS, M.D., Ch.B., D.T.M. & H. ; *Science*—H. SANDON, M.A. Camb., Ph.D. Rutgers ; *Veterinary Science*—J. S. GARSIDE, Ph.D., D.V.S.M. Vict.

LIBRARIAN—M. JOLLIFFE, B.A. Lond., F.L.A.

DEPUTY LIBRARIAN—K. O. PARSONS, B.A. Oxon.

STUDENTS' WARDEN—J. M. AHMED.

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.

Lecturers

Cobley, L. S., B.Sc. Manc.

Abdulla Nur, M., B.Sc. Lond.

Agricultural Chemistry

Boyns, B. M., B.Sc., Ph.D. Durh.

Dean and Prof.

Worrall, G. A., B.A., B.Sc. Lond.
Sr. Lectr.

Agriculture

Lecturers

Read, J. L., B.Sc. Agric. Durh.

Abdel Kerim, M.

Low, F. K. A., M.A. Oxon.

Arabic

Al Nuwaihi, M. M., B.A. Fuad I,
Ph.D. Prof.

Lecturers

Abdin, A. M. E., M.A. Fuad I.

Ishag, M. A. A., B.A. Fuad I.

Rashid, I., 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.
 Jerome, Mrs. Sara R., B.Sc. Glas.
 Lectr.
 du Bois, Ruth, B.Sc. Miss.
 Sr. Demr.

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.

*Economics**Lecturers*

- Fawzi, S. E. D., M.A. St. And.,
 B.A. Oxon.
 Condie, R. H. B., M.A. Glas.

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**Lecturers*

- Wootton, K. J., B.Sc.Eng., Ph.D.
 Lond.
 Lamond, S. R., B.Sc.Eng. Lond.
 Penzias, W., 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.

Geography

- Howell, E. J., M.Sc. Wales, Ph.D.
 Lond., Dip.Ed. Wales
 Sr. Lectr.
 Barbour, K. M., M.A. Oxon.
 Lectr.
 Ibrahim, H., M.A. Birm.
 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.
 Lectr.
 Wilcher, L. C., B.A. Adel., M.A.,
 B.Litt. Oxon.
 Pt.-time Lectr.

Law

- Sen, D. K., M.A. Panj., M.A.,
 B.C.L. Oxon., LL.B. Dub.
 (Civil Law) Prof.
 Mustafa, Mu'uwad M.
 (Islamic) Prof.
 Tennenbaum, E., B.C.L. Oxon.
 Lectr.
 El Ghandour, A. A. W. (Sharia)
 Lectr.
 Davies, W. E. D., LL.B. Wales
 Asst. Lectr.

Mathematics

- Pedoe, D., B.Sc. Lond., M.A.,
 Ph.D. Camb. Prof.
 Higgins, A., B.Sc. Lond.
 Sr. Lectr.
 Varnavides, P. L., Ph.D. Lond.
 Sr. Lectr.
 Pike, F. K. C., B.Sc. Lond.
 Asst. Lectr.

Physics

- Astbury, N. F., M.A. Camb.
 Prof.
 Lougher, E. P., M.A. Oxon.
 Sr. Lectr.

Lecturers

- Smith, M. G., M.A. Oxon.
 Ridler, P. F., B.E. N.Z.
 Wood, G. C., M.A. Oxon.
 Pt.-time Lectr.

Zoology

Sandon, H., M.A. Camb., Ph.D.
 Rutgers Dean and Prof.
 Rzoska, J., Ph.D. Poznan
 Sr. Lectr.
 Girgis, S., B.Sc. Fuad I, M.Sc.
 Farouk I Sr. Lectr.
 Ghobrial, S. Curator.

Veterinary Science*Anatomy*

Lecturers
 Mills, H. D.
 van Lenner, E. W., Biol. Doct.
 Utrecht.

Animal Husbandry

Earnshaw, D. G., B.Sc. Edin.
 Lectr.

Pathology and Bacteriology

Garside, J. S., Ph.D., D.V.S.M.
 Vict. Dean and Prof.

Surgery

Warren, A. G., B.Sc. Lond.
 Lectr.

Kitchener School of Medicine

Somers, R. B. U., M.D., Ch.B.,
 D.T.M. & H. Dean.

Anatomy

Harris, H. A., D.Sc., M.D. Lond.,
 M.A. Camb. Prof.

Medicine

Morgan, H. V., M.A., M.B., B.Chir.
 Camb. Prof.
 O'Brien, W., M.D. Lond.
 Sr. Lectr.

Obstetrics and Gynaecology

Daly, G. L., B.A., M.B., B.Chir.,
 B.A.O. Dub. Prof.

Pathology

Kirk, R., O.B.E., B.Sc., M.B.,
 Chir.B., M.D. Glas., D.P.H.
 Edin., F.R.F.P.S. Glas.
 Prof.

Physiology

Smith, Dean A., O.B.E., M.A.,
 M.B., B.Chir. Camb. Prof.

Public Health

Wheaton, F. L., M.B., B.S.,
 D.P.H. Lond., D.T.M. & H.
 Actg. Prof.

Surgery

Hickey, B. B., M.D., B.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. Hostel Wardens : J. Donaghy, E. P.
 Lougher, L. S. Cobley, Saad el Din Fauzi. Adviser to Women Students :
 Staff Clerk : M. A. Khogali. Hd. Accountant : F. Hassoun. Sec. :
 Mrs. M. Duke, B.Sc.(Econ.) Lond.

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. First, July 19–Sept. 25 ; Second, Oct. 4–Dec. 4 ; Third, Jan. 3–March 5.

FEEs. Full fees are £55 p.a. for residents in the Sudan ; £125 p.a. for those coming from elsewhere. There are many bursaries for Sudanese students.

RESIDENCE. There is hostel accomm. for all students and residence is normally obligatory.

THE LANGUAGE OF INSTRUCTION is English, although the official lang. of the Students' Union is Arabic.

LIBRARY. Newbold Library : at present 31,000 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 1951

On Sept. 1, 1951, the University College of Khartoum created by Ordinance of the Sudan Legislative Assembly. It incorporates Gordon Memorial Coll. and Kitchener Sch. of Med. Agreement reached with Univ. of London on applicn. to the Coll. of revised min. entrance requirements in terms of Cambridge Overseas Sch. Certif.

NEW BUILDINGS. Work completed on 2 new hostels for 80 students each. Conversion of 2 old hostels completed. New lab. block and lecture theatre built for Fac. of Sci. New Vet. Sch. built near Fac. of Agric. New hostel built for Fac. of Agric. Development of Hydraulics and Heat Engines Lab. continued in Fac. of Engin. Acquisition of 650 acres of addl. land for Fac. of Agric. Farm. Refitting of Newbold Library completed.

NEW POSTS. Chairs : Zool., Phys., Agric., Vet. Sci., Engin., Maths., Chem., Med., Surg., Anat., Physiol., Pub. Health, Pathol., Gynæcol. and

Obstet. Dept. of Econ. created and lectr. apptd. ; Lectureships added in Depts. of Civil Law, Mech. and Civil Engin., Vet. Anat., Maths.

EXTRA-MURAL WORK. The subject of study at Erkowit Camp, attended by 40 members, was "The Problems of Racial Contact in Africa." The Winter Sch. was not held. A special 4-wk. course in local govt. matters was held for officers from Rural District Councils and was attended by 17 students from 8 provinces.

VISITS BY STAFF FROM OTHER UNIVERSITIES. Prof. L. M. Penson, Lond. ; Dr. S. B. L. Penrose, Beirut ; Prof. J. G. Wright, Liv. ; Prof. D. S. Whittlesey, Harv. ; Principal B. de Bunsen, Makerere ; Dr. D. Guthrie, Edin. ; Prof. C. Y. Shephard, Imperial Coll. of Trop. Agric. ; Dr. N. G. Moore, Oxon. ; Prof. A. Robertson, Royal (Dick) Vet. Coll., Edin. ; Prof. C. M. MacInnes, Brist. ; Prof. J. H. R. Bisschop, Pret. ; Dr. R. Brain.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	..	437
Women	..	11
Total	..	448

Included in the above are 150 first-year students and 2 postgraduate students.

DEGREES. B.A. (General), 8 ; B.Sc. (General), 4.

APPENDICES

- I. QUALIFICATIONS FOR ADMISSION TO A FIRST DEGREE COURSE IN COMMONWEALTH UNIVERSITIES: (A) UNITED KINGDOM, (B) CANADA, (C) AUSTRALIA, (D) SOUTH AFRICA (p. 1409)
- II. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE IN THE UNITED KINGDOM (p. 1480)
- III. POSTGRADUATE AWARDS (FELLOWSHIPS, SCHOLARSHIPS, GRANTS, ETC.) TENABLE OVERSEAS (p. 1560)
- IV. STUDENTS FROM OTHER COUNTRIES IN UNITED KINGDOM UNIVERSITIES AND UNIVERSITY COLLEGES (p. 1571)
- V. COMMONWEALTH STUDIES IN UNITED KINGDOM UNIVERSITIES (p. 1573)
- VI. UNIVERSITIES OF THE REPUBLIC OF IRELAND (p. 1575)
- VII. ANGLO-AMERICAN ACADEMIC RELATIONS (p. 1603)
- VIII. INTERNATIONAL UNIVERSITY ORGANIZATIONS (p. 1606)
- IX. SHORT BIBLIOGRAPHY (p. 1610)

APPENDIX I

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

(A) <i>United Kingdom</i>	.	.	p. 1409
(B) <i>Canada</i>	.	.	p. 1459
(C) <i>Australia</i>	.	.	p. 1464
(D) <i>South Africa</i>	.	.	p. 1477

(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 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 Overseas 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 judgments. At the same time it recognized the practical necessity of a system of external examns. to provide selective tests for those who wished to compete for scholarships at Univs. or other institutions, and a test of a qualifying nature for those who, having followed courses substantially beyond the statutory minimum leaving age, wished to establish competence in certain subjects, *e.g.* for entrance to a Univ. or profession. Apart from such necessary external tests, the testing of achievements in the schools would become a matter for the schools themselves.

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 has been constituted to determine the requirements qualifying applicants to enter upon a course of study leading to a degree of a Scottish Univ. and to issue certificates attesting the educational fitness of applicants who have fulfilled these requirements.

Applicants should note, however, that the Board's certificate may not qualify them to study for a particular degree if they have not a sufficient knowledge of a subject or subjects required in one or other of the prescribed curricula for that degree. They are therefore advised to ascertain from the Univ. which they propose to enter whether they need to obtain passes in additional subjects or at higher standards.

The Board's Regulations are contained in a leaflet published in 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. V. also pp. 1449-1457.

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.

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In all cases subjects are accepted only if recognized for the particular Faculty to which admission is desired. V. also pp. 1457-1458.

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, certs. (relating to, for example, Dominion Matricn., or Baccalaureat, examns.), which would entitle to admission to an approved Univ. in the student's own country, together with such further evidence as may be necessary to ensure that no student shall be admitted to a course of study for a degree without a reasonable prospect of his being able to pursue it to graduation (in particular, if the student be one whose mother tongue is not English, evidence that he has a sufficient mastery of this language to enable him to follow courses of instruction conducted in English). When certificates are in a foreign language they should ordinarily be accompanied by a certified English translation. Unless the certificate shows on its face that it would admit the holder to a Univ. in his own country it should be accompanied by a letter to this effect from the Registrar of such a Univ. or by an authenticated declaration by a Government official or the local British Council Representative or by an official of an Embassy, Legation, or Consulate of the country to which the applicant belongs, testifying that the certificate would entitle the holder to enter on a regular course of study in a Univ. in that country. Intending students should apply for information to the Registrar of the Univ. in which they desire to be matriculated. The regulations are summarized below under each Univ. or group of Univs.

It does not follow that any student, although having the minimum educational qualifications for admission in accordance with the preceding paragraphs, will in fact be admitted to a Univ. in a particular year. Most Univs. have, under present conditions, long waiting-lists from which selections are made for the offer of actual places as new students. It is therefore desirable that any prospective entrant from overseas should make application as early as possible and should submit particulars of any further educational distinctions which he may possess. In general, in the absence of exceptional circumstances (such as the lack of appropriate facilities for study in the applicant's own country *) the United Kingdom Univs. are at present unable to offer places for undergraduate study to students from overseas in preference to those from this country, but this does not apply to the same extent to applications at the postgraduate level.

* 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. 1419-1423). 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. 1415-1417). II. A pass in the Board's examn. for candidates of mature years (p. 1417). III. A pass in the Board's examn. for candidates who have been engaged in industry or commerce (v. p. 1417). IV. One of the qualifications listed under section IV (v. pp. 1418-1419). V. Any qualification which satisfied the Board's requirements in force at the date the qualification was obtained.

I. General Certificate of Education

3. The Board's Univ. entrance requirements will be satisfied by a G.C.E. issued by the Board (or by one of the examining bodies referred to in para. 4) which shows: either (a) A pass in six subjects which include (i) English Lang., (ii) a language other than English, (iii) either Maths. (para. 6) or an approved Science (para. 7), (iv) at least two subjects at the Advanced level; *Provided that* (1) The requirements under (a) may be fulfilled at more than one sitting. (2) The required subjects must be selected from the list given in para. 5, except that one, but only one, of the following may be included among the six required subjects: Handicraft, Domestic Subjects, Geometrical and Machine Drawing, Mechanical Science. (3) No subject may be counted both at the Ordinary and at the Advanced level. Or (b) A pass in five subjects which include (i) English Lang., (ii) a language other than English, (iii) either Maths. (para. 6) or an approved Science (para. 7), (iv) at least two subjects at the Advanced level passed at one and the same sitting together with at least one other of the five required subjects; *Provided that* (1) The required subjects must be selected from the list given in para. 5. (2) Of the minimum of three subjects required under (iv) to be passed at one and the same sitting one subject must not be "related to" the other two (para. 8). (3) No subject may be counted both at the Ordinary and at the Advanced level.

4. The General Certificate of Education of the following examining bodies will be accepted under the same conditions as the Board's General Certificate: Nos. 3-8, and 10 (v. *supra*, p. 1414). 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

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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. 1952 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 July 31 of the year of examn. and desire to proceed to a degree course in one of the constituent Univs., having been engaged in full-time industrial, technical or commercial employment for a period of at least three years; candidates must also have attended systematic courses of instruction satisfactory to the Board for a period of at least three years and have gained at the end of the course a certif. or diploma deemed satisfactory by the Board. Details from the Secretary.

* V. *supra*, p. 1414.

IV. *Other Qualifications accepted by the Board*

14. A candidate will be regarded as satisfying the Board's requirements if he holds any one of the following: (a) A degree conferred by an approved Univ. after examn. (b) A certif. showing that the holder has attended for at least two years full-time courses approved by the Board and has passed the final examn. of a training college accepted by the Board for this purpose. (c) A certif. showing that the holder is a Barrister called to the English Bar or a Solicitor admitted on the Rolls after passing the Final Examn. of the Law Society (*Fac. of Law only*). (d) *Either* (i) No. 12,* † provided that the candidate passed at one and the same examn. in five subjects at the Higher Grade (a pass in either Physical Science or Natural Science will be regarded as equivalent to a pass in two sci. subjects), or (ii) No. 12, † provided that the candidate passed at not more than two sittings of the examn. in four approved Higher Grade subjects and two approved Lower Grade subjects, and provided that the six subjects include passes in English Language, in a language other than English, and in Maths. (or an approved Science). (e) *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 are required to apply to the Board through the High Commissioner

* 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. 1414.

‡ 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.

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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 Baccalaureat Certificate of Iraq,† provided that the candidate is recommended by the Iraqi Ministry of Education. (*n*) A foreign examn. certificate which entitles the candidate to enter upon a degree course in all Faculties of a recognized Univ. of the country in which the certificate was issued if that country is not specified above.

15. The Board will exercise its discretionary power of accepting certificates of having passed other examns. of a standard at least equal to those mentioned above.

N.B.—Leeds. Applications from persons of British nationality whose home is in the British Isles may be received on the appropriate forms up to June 30. Applications from persons resident outside the British Isles must be received before May 31. Applicants of foreign nationality whether resident overseas or in the British Isles must make application through the Embassy or Education Bureau of their government or through the British Council. Applicants from British Colonial territories must apply through the Education Department of the Colonial Office.

At *Liverpool* the Senate, after report from the Faculty concerned, determines before registration whether the applications of foreign, Indian and Pakistan students shall be accepted. Students from Pakistan are required to apply for admission through the High Commissioner for Pakistan and are not admitted without his recommendation. Applications for registration from Indian and Pakistan students must be received before Jan. 1 in each year, and must be accompanied by detailed references certifying as to character and educational qualifications. All such students, before admission to courses of study in the Univ., shall satisfy the Faculty concerned that they have a knowledge of English sufficient for the purpose of their work. Except by special permission of the Senate, no student who is not normally resident in Great Britain will be admitted to classes or courses of study in the Univ. unless he is accredited on personal and academic grounds and is assured of adequate financial support by his own Government or by some approved academic institution.

Special Regulations for Entrance to Faculties

Birmingham. Science. Candidates for admission to an Hons. course in any Pure Science subject or to the second year of any Applied

* 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 course must have passed in three Science subjects at Advanced standard at the same examn.

Arts. Candidates for admission to an Hons. course must have passed in three subjects at Advanced standard, normally at the same examn. In addition, they must have passed at Ordinary standard in Latin for admission to the Schools of French, Italian, Spanish and History, and in Latin or Greek for admission to the School of English.

Medicine. Candidates for admission to the second year of Medicine or Dentistry must have passed in Physics, Chem. and Biol. (or Bot. and Zool.) at Advanced standard at the same examn.

Commerce. Candidates must normally have passed in three subjects at Advanced standard. Maths. must have been passed at least at Ordinary standard.

Law. Candidates for admission to the Faculty must, in addition to the Matriculation requirement, have passed in Latin at Ordinary standard in the General Certificate.

Note : Higher and School Certificate qualifications equivalent to the qualifications based on the General Certificate of Education will still be accepted by all Faculties.

Leeds. Special entry requirements are made as follows :

Arts. B.A. in Special Studies in French, Spanish or Italian or in the Modern Langs. combination when one or more of these subjects form part of the combination—a qualificn. in Latin equivalent to the Credit standard in the School Certif. Examn. of the Jt. Matricn. Bd.

Science and Technology. Information concerning specified subjects in which qualificns. are required for entry to particular courses is obtainable from the Registrar.

Medicine. M.B., Ch.B.—Chem. at the Ordinary standard in the G.C.E. examn., or at the subsidiary standard in the H.S.C. examn., and Maths. at the Ordinary standard (alternative or ordinary syllabus) in the G.C.E. examn., or at the " Pass " standard in the School Certif. examn.

Dentistry. B.Ch.D.—Maths. at least equivalent to that of " Pass " standard in the School Certif. examn. (For Session 1952-53 and thereafter : Maths., Chem. and Phys. at least at Ordinary standard in the G.C.E. examn.)

Exemptions. In certain circumstances, applicants for admission to courses leading to the degrees of B.A. and B.Sc. in Special or General Studies may be exempted by the Boards of the Faculties concerned from one-year courses and corresponding examns. if they possess qualifications obtained in the examination for the General Certificate of Education or other equivalent examn. of a sufficiently high standard. Exemptions will not be automatic and, in the case of B.A. applicants, will be granted only in exceptional cases. Subject to a minimum attendance in this Univ. of two years and to the approval of the Senate, members of other Univs. which require residence as a condition of graduation may be permitted to count their studies and examns. (other than the Final Examn.) therein towards graduation in Leeds.

Liverpool.* Arts. Applicants for the Faculty of Arts must have passed in three subjects of the General Certificate of Education at the Advanced level, and in Greek or Latin or Maths., if not included in these three subjects, at the Ordinary level.

Candidates who have qualified in Maths., but not in Greek or Latin, will be required : (a) For the degree of Bachelor of Arts in General Studies to take not less than five courses of the nine required from the following subjects : Geog., Economics, Economic History, Sociol., Political Science and Psychol. (b) For the degree of Bachelor of Arts in Special Studies to present themselves in any one of the following four schools : Geog., Economics, Social Science, Psychol.

Architecture. All applicants for admission to this School must have passed the Joint Matriculation Board's requirements for entry on a degree course.

Science. Particulars of the amount of knowledge (in terms of the syllabuses given in the Joint Matriculation Board publication : *Examination for the General Certificate of Education, 1951*) assumed as a basis for introductory courses, may be had on application to the Registrar ; from whom also may be obtained details of qualifications necessary for exemption from the first session of a course of study in this Faculty.

Medicine, Dental Surgery. The Faculty recommends that the subjects of Physics and Chem. should be included at least at the Ordinary level in the subjects taken in the General Certificate of Education. Exemptions will be granted in the individual subjects of Physics, Chem. and Biol. in the First M.B., Ch.B. or B.D.S. or L.D.S. examns. to candidates who have passed in such subjects at the Advanced level in the examn. for the General Certificate of Education ; but as soon as accommodation and teaching staff are available all exemptions from the courses of study and examns. for the First M.B., Ch.B. or B.D.S. or L.D.S. examns. will be withdrawn.

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

* These special regulations are subject to modification when more is known about the new system.

who have passed the Examn. for the General Certificate of Education* and whose performance in a prescribed combination of subjects is satisfactory.

Candidates who have passed the Examn. for the General Certificate of Education but have not reached a sufficiently high standard for exemption from the first year of study and Intermediate B.Eng. Examn. may be considered for such exemption, provided that they satisfy the examiners in Pure Mathematics and Applied Mathematics separately in the Intermediate Examn. before entering the Univ.

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. 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. *Medicine*—Maths. 4. *Dentistry*—Maths. 5. *Technology*—Maths. (*Note:* Wherever Maths. is specified as a Faculty requirement a pass at the Advanced level in "Maths. and Theoretical Mechanics" will be accepted.) The attainment of at least School Certificate Credit standard in the relevant subject will continue to be accepted until further notice.

Sheffield. *Arts.* With certain exceptions to be mentioned below, candidates who have not passed in a language 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 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

* 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.

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 degree 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 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 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.

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. 1411, 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 or Mediaeval and Modern History. 4. Geog. 5. Economics. 6. Music. 7. Art. 8. Religious Knowledge. 9. Greek. 10. Latin. 11. French. 12. German. 13. Any other approved language. Group II: 14. Maths. or Pure Maths. or Pure and Applied Maths. 15. Applied Maths. (May not be taken with Pure and Applied Maths.) 16. Physics. 17. Chem. 18. Physics-with-Chem. (May not be taken with either Physics or Chem.) 19. General Science or Additional General Science. 20. Bot. 21. Zool. 22. Biol. (May not be taken with either Bot. or Zool.) 23. Geol. 24. Geog.

No subject may count at both Ordinary and Advanced levels.

Only one of the subjects, Music, Art and Religious Knowledge, may count at Advanced level. Religious Knowledge and any subject chosen from the group of subjects under 3 may not both count at Advanced level.

Either Maths. or Pure Maths. or Applied Maths. or Pure and Applied Maths. will satisfy the requirements of Maths. under regulations for Schemes A and B.

Subjects 16 to 23 inclusive are approved Science subjects for the purposes of Matriculation under Schemes A and B.

(b) Nos. 1 and 2.†

* 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. 1414.

(c) The Attestation of Fitness of the Scottish Universities Entrance Bd. granted on passes in Nos. 11 or 12.*

(d) Nos. 13 and 14,* under certain conditions.

(e) No. 16.*

(f) Graduation in a Univ. in the U.K. or in some other approved Univ.

(g) First and/or Higher School Certificates provided they fulfil the regulations in force before the inception of the General Certificate of Education.

(h) Trained certificated teachers' qualifications, under certain conditions.

(i) Passing Out Examn. of the Royal Naval College, Dartmouth.

(j) Forces Preliminary Examn., subject to interview.

(k) Sufficient qualifications for original research in case of candidate for a research degree.

(l) In exceptional circumstances sufficient education and attainments in the case of candidates over 23 years.

(m) Barristers-at-Law and Solicitors of the Supreme Court.

(n) Examns. qualifying for matriculation in any Univ. of the U.K. or of a British Overseas Univ.

TRANSITIONAL PROVISIONS. (a) A pass at Credit standard in a First School Certificate examn. or a pass at Subsidiary standard in a Higher School Certificate examn. will be accepted as equivalent to a pass at Ordinary level in the General Certificate of Education. (b) A pass in a principal subject in a Higher School Certificate examn. will be accepted as equivalent to a pass at Advanced level in the General Certificate of Education. Candidates who hold a First School Certificate and would have fulfilled the Univ.'s requirements for matriculation by securing a Higher School Certificate under present Regulations will be declared qualified for matriculation if they pass in three subjects at Advanced level in the General Certificate of Education examn. and comply with Faculty requirements.

OVERSEAS STUDENTS. A candidate educated elsewhere than in the U.K. may submit to Senate evidence of having passed examns. equal to any of those qualifying for matriculation at Bristol and, if necessary, of ability to follow instruction given in English.

CAMBRIDGE

To become an undergraduate member of the University a person must first be admitted as a member either of a College or of Fitzwilliam House (Non-Collegiate). No person, except Research Students (*see* p. 106) and certain others, may be matriculated who has not passed or been exempted from the Previous Examn.

For admission, application should be made on prescribed forms, to be obtained from the Tutor of the Coll., except at Clare and Selwyn Colls. at which they should be obtained from the Master, and at Girton and Newnham Colls., at which they should be obtained from the

* V. *supra*, p. 1414.

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 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 Dartmouth Passing-Out Examn. are also accepted, under certain conditions, for complete or partial exemption.

Exemption is granted to adult students who are recommended by the Board of Extra-Mural Studies as fit to undertake a course leading to an Hons. degree.

* V. *supra*, p. 1414.

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 Interm. Examn. in Arts or Science, or the 1st or 2nd class in the examn. for the B.A. or B.Sc. in an approved Univ. of India or Pakistan is exempted from the Previous Examn., provided that in some examn. leading up to the B.A. or B.Sc. in that Univ. he has passed in Arabic, Persian, Persian-with-Arabic, Sanskrit, Hindi-with-Sanskrit, Pali, Urdu-with-Persian, or Bengali-with-Sanskrit, in Maths. or Science, and in English. Univs. approved for this purpose are the "Associated Institutions" (see below) together with the Univs. of Andhra, Banaras and Nagpur.

A candidate who has attained the 1st Class in the Interm. Examn. held by the Board of High School and Intermediate Education of the United Provinces of India, or by the Board of High School and Intermediate Education, Rajputana, Central India, and Gwalior, or in the Intermediate Examn. of the Board of Intermediate or Secondary Education, Dacca, is exempted if either in this examn. or the High School Examn. which leads up to it he has passed in a classical language, Maths., English, and History or Geog.

U.S.A. A candidate educated in the U.S.A. will be exempt if he has taken the following tests of the Coll. Entrance Examn. Board and has attained therein at one sitting a standard approved by the Council of the Senate: the Scholastic Aptitude Test (Verbal and Mathematical Sections); Achievement Tests in English Composition, in Latin Reading or Greek Reading, and in one of—Latin Reading or Greek Reading (if not already offered), French Reading, German Reading, Italian Reading, Spanish Reading, Biol., Chem., Physics, Intermediate Maths., Advanced Maths.

Egypt. Holders of the Egyptian Government Secondary Education Certif. who are not of European descent are exempt from the whole Previous Examn.

General. The Council of the Senate have discretionary power to grant exemption on other qualifications.

Admission to Advanced Standing. A graduate of an "Associated Institution" who has been a member of it for 3 yrs. is entitled to the privileges of an Affiliated Student. The "Associated Institutions" are: (1) all the Univs. of Gt. Britain and Ireland, and St. David's Coll., Lampeter; (2) in Canada—Acad., Alta., Bishop's Coll., Br. Col., Dalh., Laval, McGill, McMaster, Manitt., Montr., Mt. All., New Bruns., Ottawa, Queen's, Sask., Tor., W. Ont.; (3) in Australia—all; (4) New Zealand; (5) Hong Kong; (6) in S. Africa—all; (7) in India and Pakistan—Agra, Alig., Ald., Bom., Calc., Dacca, Delhi, Luck., Madras, Mysore, Osmania, Panj., Patna; (8) Rangoon; (9) in U.S.A.—Amherst Coll., Bowdoin Coll., Bryn Mawr Coll., California, Cath. U. of America, Chicago, Columbia,

Cornell, Dartmouth Coll., Georgetown, Harvard, Haverford Coll., Johns Hopkins, Mass. Inst. of Tech., New York, N. Carolina, Ohio State U., Pennsylvania, Princeton, Radcliffe Coll., St. Louis, Smith Coll., Stanford, Swarthmore Coll., Vassar Coll., Wellesley Coll., Williams Coll., Wisconsin, Yale.

The following may also be admitted as *Affiliated Students* : (a) certain adult students recommended by the Board of Extra-Mural Studies ; (b) certain other students on a Grace proposed by the Council of the Senate. An Affiliated Student is entitled to (1) be exempt from the Previous Examn. ; (2) reckon the first term kept by residence as the 2nd, 3rd or 4th term for the purposes of certain provisions respecting the standing of candidates for (a) Tripos exams., or for degrees in Law or Music, and (b) degrees other than the ordinary B.A. degree or degrees of M.Sc., M.Litt. and Ph.D. ; (3) secure such a degree, in certain circumstances, on one part or section of a divided Tripos.

The status of Master of Arts may be granted to a member of the Univ. over 27 yrs. of age who is engaged in teaching or research, and carries M.A. privileges with regard to the Univ. Library, etc., academical dress and lodgings.

Incorporation. Admission by incorporation of graduates of Oxford and Dublin. See p. 104.

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. 1414) will constitute a general qualification provided that : (a) The student passed in English Lang. and *either* four *or* five other subjects. (b) The subjects include : (i) a language other than English ; (ii) *either* Maths. *or* one of the following—Chem., Physics, Chem.-with-Physics, Bot., Zool., Biol., Geol., General Science ; (iii) at least two subjects at Advanced level.

If the candidate passed in English Lang. and *four* other subjects, he must have passed at one and the same sitting in three subjects other than English Lang., drawn from at least two of the following groups, two of these three subjects being at Advanced level. Group A : Arts subjects excluding languages. Group B : Languages other than English. Group C : Maths. and Sciences. Details should be checked from the regulations or with the Registrar.

Note : Credits in a School Certificate obtained before 1951 may be counted as Ordinary level passes. Higher School Certificate passes, Principal or Subsidiary, obtained before 1951 may be counted as Advanced level passes. Credits in the Cambridge Oversea School Certificate or Subsidiary passes in the Cambridge Oversea Higher

School Certificate will be accepted as Ordinary level passes. Principal passes in the Cambridge Oversea Higher School Certificate will be accepted as Advanced level passes. Until Oct. 31, 1955, the Univ. will accept as a general qualification to matriculate a General Certificate of Education which does not comply with certain rules on the selection of subjects, provided that the Certificate would qualify to matriculate in a Univ. in England.

III. SPECIAL QUALIFICATIONS FOR PARTICULAR COURSES. (1) Students entering upon courses for degrees named below and submitting a General Certificate of Education must not only satisfy the general requirements for matriculation but must also satisfy the following special requirements: B.A. in General Studies, B.A. with Honours (except B.A. with Honours in Town and Country Planning): Latin or Classical Greek at Advanced or Ordinary level. (Candidates entering certain Honours Schools or offering certain languages must comply with further requirements in regard to languages.) B.Sc. in Applied Science (excluding Metallurgy): either Additional Maths. at Ordinary level, or Pure and Applied Maths. at Advanced level, either as a joint or as two separate subjects, and Physics and Chem. at either Advanced or Ordinary level. (Elementary Maths. at Advanced level in the General Certificate of Education may be supplemented by Additional Maths. in the Entrance Examn.) B.Sc. in Metallurgy: Maths., Physics and Chem., of which one shall be at Advanced level. LL.B.: Latin at either Advanced or Ordinary level.

(2) Candidates for the B.A. in Fine Art may matriculate *either* (a) if they hold a general qualification to matriculate, and pass the Entrance Examn. of the Dept. of Fine Art or otherwise satisfy the Hd. of the Dept. that they are qualified to take the course; *or* (b) if they hold a General Certificate of Education with English and two subjects other than Fine Art passed at one and the same occasion, and pass the Entrance Examn. of the Dept. of Fine Art.

(3) Candidates for the L.D.S. may matriculate on a general qualification to matriculate or by passing an approved examn. in the subjects required for a general qualification to matriculate.

(4) Candidates for the (external) degree of B.Mus. do not matriculate, but must pass or be exempt from an Entrance Examn. conducted by the Univ.

If a candidate holds a General Certificate of Education, or a certificate referred to in paras. IV (2)-(6) *infra*, and that certificate constitutes a general qualification to matriculate but does not satisfy the special requirements for a particular course, the candidate may be permitted by the Matriculation Board to complete his qualification by attaining the required standard in specified subjects in the Entrance Examn.

IV. QUALIFICATIONS OTHER THAN GENERAL CERTIFICATE OF EDUCATION. (1) A candidate may be permitted by the Matriculation Board to matriculate by satisfying special tests or by recognition of certain examns. Such permission may be granted if the candidate

satisfies the Matriculation Board that he has been at work for not less than two years after leaving school or that the circumstances of his education have not afforded a proper opportunity of taking the General Certificate of Education. The Matriculation Board may require such a candidate to attain a required standard in the Entrance Examn. conducted by the Univ. in any subjects which the Matriculation Board may direct.

(2) The Attestation of Fitness of the Scottish Universities Entrance Board, granted on passes in No. 11 * or No. 12,* will qualify to matriculate if it includes any special qualification required.

(3) No. 13 * will qualify under the same condition.

(4) The Honours Leaving Certificate of the Dept. of Education of Eire or of the Republic of Ireland will qualify to matriculate provided that it includes (a) English, (b) a language other than English, (c) either Maths. or an approved Science subject ; and provided that it includes at Hons. standard any subjects required for entry to a particular course.

(5) The following will qualify to matriculate, if they include any subjects required for entry on a particular course and if the candidate presents sufficient evidence of proficiency in English : A degree of any Univ. in the British Isles or of any other approved Univ. A certificate awarded by any public examining body in Canada, Australia, S. Africa, New Zealand, the U.S.A., or any country in the Western Union, provided that the certificate qualifies for admission to an approved Univ. in the country in which it was awarded. The certificate of the Junior Associated grade of the Council of Higher Education in Newfoundland. The Intermediate Examn. of an approved Univ. in India or Pakistan.

(6) The following certificates will qualify to matriculate if the candidate submits sufficient evidence of proficiency in English, and any subjects required for entry on a particular course are included, except that Arabic (including Classical Arabic) and Hebrew (including Classical Hebrew) may be substituted for Latin or Classical Greek for the B.A. in General Studies or (by permission) for the B.A. with Hons. : Palestine Matriculation Certificate. Egyptian Secondary School Certificate, Part II. Iraqi Baccalaureat.

LONDON

In 1953, and until further notice, the normal method of satisfying minimum entrance requirements will be through the General Certificate of Education awarded by one or more of the approved Examining Bodies.* The Certificate must comply with one or other of the two Schemes A and B.

Scheme A. The candidate must have obtained passes (not necessarily on the same occasion) in (a) English Lang., (b) a lang. other than English, (c) either Maths. or an approved science subject, and three other subjects, provided that : (i) at least two of the subjects are passed at the Advanced level ; (ii) the subjects are chosen from the approved list.

* V. *supra*, p. 1414.

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 40, 41 and 42 shall be counted at Advanced level.

Under Section (i) of Scheme B the three subjects passed at one and the same examn. must not all be chosen from any one of the following groups : subjects 4-7, subjects 11-21, subjects 22-32, subjects 35-38, subjects 39-42.

A General Certificate (or Certificates) of Education will be accepted for the purpose of satisfying min. entrance requirements if it fulfils the above conditions and provided that the Univ. is satisfied that there is a subject for subject equivalence with the subjects listed above.

The General Certificates of Education awarded by Durham, Joint Matriculation Board, Welsh Joint Education Committee, and Bristol, accepted by those authorities as satisfying their minimum entrance requirements will also be accepted by London.

In addition, certain Faculty requirements may have to be satisfied before registration as an Internal or an External Student can be effected. At present these are as follows :

Arts. Applicants for admission must have passed in two langs. other than English at Ordinary or Advanced level ; one, at least, of the two langs. must be a Classical lang.

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. In and after Sept. 1953, 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.

Under the new conditions, it should be noted that it will not be possible for a student to matriculate unless, and until, he registers as an Internal Student or as an External Student. The procedure will be that the holder of a General Certificate of Education will submit it to the Univ. for decision as to whether or not it satisfies minimum entrance requirements. If it does, he will be so informed and at the same time will be told that he may apply for registration as an Internal or an External Student. It is only on the completion of such registration that he will be matriculated. The registration fee of three guineas will be exacted at the time of registration as an Internal or External Student.

Special Provisions

(1) Credits obtained in 1949 or 1950 at a School Certificate examn., or Main Subject passes at a Higher School Certificate examn., will be accepted as passes at Ordinary level and Advanced level, respectively. Higher School Certificate Subsidiary subject passes will count as Ordinary level passes.

(2) Candidates who gained a School Certificate 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 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. 1414); *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

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

Department of Education, Eire; Adelaide Leaving Certificate; Melbourne School Leaving Certificate; New South Wales Leaving Certificate; Queensland Senior Public Examination; Matriculation Examination of the University of Sydney; Tasmania Public Leaving Certificate; Western Australia School Leaving Certificate; University of New Zealand Entrance Examination; New Zealand Department of Education School Certificate; *Matriculation Examination of the South African Joint Matriculation Board; National Senior Certificate (Matriculation Equivalent) of the Union of South Africa; *Secondary School Senior Certificate of the Department of Public Education, Cape of Good Hope; *Transvaal Secondary School Certificate; *Orange Free State School Leaving Certificate; Ontario Upper School Certificate; British Columbia Senior Matriculation Examination; Senior Matriculation Examination of other Canadian Universities and Depts. of Education; *Ceylon Government Senior School Certificate (English); 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 two subjects at Advanced level, together with such Ordinary level subjects as may be required to satisfy the conditions of Scheme A or Scheme B.

(5) 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.

(6) 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.

(7) A candidate whose native language is not English, and who is not a native of Great Britain, N. Ireland or the Republic of Ireland, may satisfy minimum entrance requirements (i) by presenting an acceptable Matriculation Certificate of a Commonwealth, or Foreign, Univ., and (ii) by passing in English at the Univ. Entrance Examn. and two subjects at Advanced level at the General Certificate of Education Examn.

Particulars of the Univ. Entrance Examn. in English and a copy of the syllabus may be obtained from the Secretary to the University

* In examinations marked with an asterisk the standard acceptable for matriculation is subject to special conditions.

Entrance and School Examinations Council, University of London, Senate House, London, W.C.1.

(8) 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.

(9) Students who have passed all the examns. for a degree of Univs. approved by the Senate will be considered to have satisfied minimum entrance requirements. The following overseas Univs. have been approved for this purpose: In Canada—Acadia, Alta., Bishop's Coll., Br. Columbia, Carleton Coll., Dal., King's, Laval, McGill, McMaster, Manit., Montr., Mt. Allison, Ottawa, New Bruns., Nova Scotia Tech. Coll., Queen's, Saskatchewan, St. Francis Xavier Univ. (Nova Scotia), Sir G. Williams Coll., Tor., Vict. (Tor.), W. Ontario; Australasia—Adel., Melb., Qld., Syd., Tas., W.A., N.Z.; S. Africa—Cape, Cape Town, Pretoria, Potchefstroom, Natal, Rhodes, S. Afr., Stell., Witw.; India—Agra, Aligarh, Alld., Andhra, Annamalai, Banaras, Baroda, Bom., Calc., Delhi, Gauhati, Jammu and Kashmir, Lucknow, Madr., Mys., Nagpur, Osmania, Patna, East Panjab, Poona, Rajputana, Saugar, Travancore, Utkal; Pakistan—Dacca, Panj., Sind; Ceylon; Hong Kong; Malaya; Malta; certain Univs. in countries outside the British Commonwealth.

NOTTINGHAM

The Univ. conducts a Univ. Special Entrance Examn. in Sept. at Nottingham. The Special Entrance Examn. is open to candidates who are over 21 years of age, and consists of (i) English, (ii) Maths., Logic or an approved Science subject, (iii) two other subjects chosen according to the proposed degree course.

Exempting Examinations

A candidate shall be eligible to matriculate if he possesses one of the following: (a) a General Certificate of Education * awarded by Nos. 3-10 † satisfying the requirements set out in final para. of p. 1411 above. (b) A degree conferred by an approved Univ. after examn. (c) A certificate showing that the holder has attended a two-year full-time Teachers' Training Course and has passed a final examn. of an Area

* 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. 1414.

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, Eire, provided that the holder passed with Hons. at one and the same examn. five subjects approved by the Univ., and that certificates gained after Dec. 1, 1947, must include passes in at least one subject from each of Sections II, III and IV of Appendix A. (h) No. 16.* (i) The Matriculation Certif. of an approved British overseas Univ. (j) A Certificate of having passed at one and the same examn. the Intermediate Examn. in Arts, Science or Medicine of an approved Univ. in India or Pakistan. (k) The Matriculation Examn. of the Palestine Board of Higher Studies, provided that Certificates gained after Dec. 1, 1947, show that at one and the same examn. the holder reached credit standard in English Syllabus A, and in four other subjects, including at least one subject from each of Sections II, III and IV of Appendix A. (l) The Secondary Education Certificate, Part II, of the Egyptian Ministry of Education. On Certificates issued on and after June 1938, a pass in Special Part must be shown. (m) The Baccalaureat Certificate of Iraq provided that the holder is recommended by the Iraqi Ministry of Education. A Certificate showing the passing of the Commerce Section is not acceptable if gained after Dec. 1, 1947. (n) An examn. certificate awarded in countries not mentioned in the above provisions, which entitles the holder to enter upon a degree course in a Faculty of a recognized Univ. of the country in which the certificate was issued.

The Senate will consider individually, for the purposes of matriculation, certificates obtained in other examns. of a standard at least equal to those mentioned above.

APPENDIX A

Section I

1. General Paper.

Section II

2. English Lang. (O † only). 3. English Lit. 4. Greek History *or* Roman History *or* Ancient History *or* English History *or* British Economic and Social History *or* European History *or* the History of the British Empire *or* American History *or* History with Foreign Texts (counting as two Advanced subjects). 5. Geog. *or* Physical Geog. and

* V. *supra*, p. 1414.

† O = Ordinary standard.

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.

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 Mediaeval 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. Candidates for admission will normally be required to have an Ordinary pass in Latin in the General Certificate, but may be permitted to furnish other evidence of proficiency in Latin satisfactory to the Hd. of the Dept. of Law and the Board of the Faculty not later than the beginning of the candidate's second year of study.

Exemption from the qualifying Examn. may be granted for 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. 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.

Faculty of Applied Science

Degrees of B.Sc. (Min.) and B.Sc. in Civil or Mechanical Engineering.

Candidates may be exempted from the Intermediate Course and Examn. and accepted for direct entry into the Final Degree Courses if they have passed at Advanced standard in Pure Maths., Applied Maths. (or Pure-and-Applied Maths.) and Physics, and at Advanced or Ordinary standard in Chem. Candidates who have reached only Ordinary standard in Chem. will be required to follow a course and take an examn. in this subject at the end of their first year.

Degree of B.Sc. and Electrical Engineering. Candidates may be exempted from the Intermediate course and examn. and accepted for direct entry into the Final Degree Course if they have passed at Advanced standard in Pure Maths., Applied Maths. (or Pure-and-Applied Maths.), and Physics.

OXFORD

Admission to the Univ. ("Matriculation") is without respect of sex, age, nationality or creed, and follows upon admission to a Society, *i.e.* a College or Hall or Society. No one can become a member of the Univ. unless he first becomes a member of one of these Societies. An application for admission must therefore be addressed, not to any officer of the Univ., but to the proper officer of the Society to which admission is desired, *e.g.* Balliol, 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.) It should be made, if possible, more than one year before residence is contemplated.

Applicants for admission normally have to pass or be qualified for exemption from (a) Univ. entrance examn., (b) College entrance examn. The Univ. entrance examn. is *Responsions*. The Colleges and Halls and Societies require certain qualifications of character and intellectual attainment in which the passing of *Responsions* or some equivalent examn. is necessarily included.

Responsions comprises: I English Lang.; II (a) Latin, (b) Greek; III (a) Holy Scripture, (b) English Lit., (c) English History, (d) French, (e) German, (f) Italian, (g) Spanish; IV (a) Maths., (b) Natural Science. In order to pass *Responsions*, candidates are required to satisfy the Masters of the Schools in Group I, English Lang., and *either* in at least one subject from each of the Groups II, III and IV and in five subjects in all (including English Lang.), *or* in both subjects from Group II and in both subjects from Group IV. All candidates must satisfy the Masters of the Schools in two langs. other than English (of which Latin or Greek must be one), and must satisfy them *either* in all five subjects at one examn., *or* in four subjects at one examn. and in the fifth subject at a subsequent examn., *or* in three subjects at one examn. and in two subjects offered together at a subsequent examn.

Candidates must offer four or five subjects, or, if they have previously satisfied the Masters of the Schools in three or four subjects, they must offer the two subjects or single subject required to complete the examn.

Latin or Greek taken early. A candidate is permitted to offer Latin or Greek as a single subject : if he satisfies the Masters of the Schools in Latin or Greek under this regulation, he is required to pass in all four remaining subjects subsequently at one examn. in order to pass Responsions.

A candidate who has passed in Latin or Greek as a single subject in the Previous Examn. of the Univ. of Cambridge is permitted to pass Responsions on the same conditions as a candidate who has passed in Latin or Greek under this regulation in Responsions.

Examinations Exempting from Responsions

Great Britain and Ireland, etc. A. Exemption from Responsions may be obtained by holders of the status of Bachelor of Arts or by persons accepted for admission as Service Students or Senior Students, or as candidates for the degree of B.C.L. under certain conditions, or as Advanced Students, or as candidates for the Degree of B.Litt. or of B.Phil. or of B.Sc., or who hold a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council, or as Students of Mature Years recommended by the Delegates for Extra-Mural Studies under certain conditions. Exemption may also be claimed by anyone who has pursued a course of study extending over 2 yrs. at a Univ. approved for Senior Status, provided that the applicant has passed all examns. incidental to his course at that Univ. and has submitted a certif. of satisfactory progress signed by a competent authority of that Univ. ; and provided further that the required course of study at an Asiatic Univ. has included the study of English and has been pursued subsequently to the Intermed. Examn. or to the corresponding stage at a Univ. which does not hold an Intermed. Examn.

B. Exemption may be granted to any person who has : (i) obtained a General Certificate of Education awarded by Nos. 3, 4, 5, 6, 7, 8, 9 and 10 (v. *supra*, p. 1414) subject *inter alia* to passing at the Ordinary or Advanced level in English Lang., and two of the langs., Latin, Greek, French, German, Italian, Spanish, Russian, of which Latin or Greek must be one ; or (ii) gained a class in the Senior Freshman Examn. of Dublin or a Certificate of Fitness granted by the Scottish Universities Entrance Board, or passed in the Intermediate Arts or higher examn. of Birmingham, Durham, Leeds, Liverpool, London, Manchester, Sheffield, Bristol or one of the examns. numbered 2, 12, 13, 14, 15 (a & b), 16 * (v. *supra*, p. 1414), provided that he has passed *inter alia* in two of the above-mentioned languages, of which Latin or Greek must be one.

Dominions and Colonies. Exemption may be granted to any person who has obtained (1) a certificate of having passed *either* (a) the Matriculation Examn. of the Joint Board of the South African Univs., or (b) the Secondary School Certificate Examn. of the Education Dept. of the Transvaal or Secondary School Senior Certif. Examn. of the

* Latin or Greek must be added to this certificate at Responsions.

Dept. of Education of the Cape Province, or (c) the School Leaving Certif. Examn. of the Orange Free State if the holder is thereby qualified for exemption from the Matricn. Examn. of the Joint Board of the South African Univs. ; provided that it shows that he has passed in two languages, other than English, of which Latin or Greek must be one ; *or*

(2) A certificate or certificates of having passed one of the following, provided he has satisfied the examiners in two of the said languages, of which Latin or Greek must be one : An examn. or examns. conducted by a Univ. or other public Educational Authority in the Dominions of Canada or New Zealand or in the Commonwealth of Australia which satisfy the requirements for entrance to a Univ. in the said Dominion or Commonwealth, such Univ. having been approved by the Hebdomadal Council for the purposes of Senior Status ; Univ. of Malta Matriculation ; Univ. of Hong Kong Matriculation Examn ; *or*

(3) A Ceylon Sr. School Certificate (English) with credits in *inter alia* two of the above-mentioned languages, of which Latin or Greek must be one.

[India—See A above.]

Palestine. Exemption will be granted to any Palestinian student provided that he holds the Matricn. Certif. of the Palestine Board of Higher Studies, showing that he passed with credit in English (Syllabus A), either Arabic or Hebrew (Syllabus A), and in one of the languages, Latin, Greek, French, German (Syllabus B).

Foreign Students. Exemption may be granted to any person who has obtained a certificate or certificates qualifying him for admission to a Univ. in Austria, Belgium, Czecho-Slovakia, Denmark, Finland, France, Germany, Holland, Hungary, Italy, Norway, Poland, Sweden, Switzerland or Yugoslavia, or a Certificate of Part I of the Baccalauréat de l'Enseignement Secondaire in France, provided it shows that he has satisfied the examiners in either Latin or Greek.

Natives of Asia and Africa, not being of European or American parentage, can apply for permission to offer a substitute for Latin or Greek in Responsions or in certain certificates exempting from Responsions.

Admission to Privileged Standing: " Senior Status "

The following may be admitted to the status and privileges of a Senior Student :

(1) Any person who has obtained a degree at another Univ., such degree and such Univ. having been approved by the Hebdomadal Council,* provided that he shall have pursued a course of study extending over 3 yrs. at the least at a Univ. or Univs. so approved, or, should the Hebdomadal Council in his case approve, partly at a Univ. so approved and partly at another or other Univs.

(2) Any person who, having been a student at a Univ. in a European

* 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.

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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. 433.

READING

The University holds no Matriculation Examination.

Matriculation, minimum age 17, is open to:

1. Graduates of Univs. in the United Kingdom or other approved Univs.

2. Until further notice—

(a) Persons who have passed or are exempt from the Matriculation Examination of the Univ. of London.

(b) Persons who have qualified for the Certificate issued on the result of an approved First Examn. for Secondary Schools and who at one and the same Examn.* have obtained passes with credit in

* Until further notice, four passes with credit at one examn. and one pass with credit obtained at another examn. may be accepted.

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.

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. 1414) 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. 21-31; candidates who offer two subjects at 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

* O = Ordinary standard; A = Advanced 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. 1414) 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. 1414) 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 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. In special cases evidence of sufficient education, capacity and attainments where the candidate is over 23 years.

9. **OVERSEAS STUDENTS.** Candidates educated outside the United Kingdom who can produce such evidence as Senate may deem 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 Entrance Requirements

In addition to matriculation requirements, candidates for degrees must satisfy the following special requirements of the particular Fac. to which entrance is sought :

Arts. Two 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 where exempted in certain depts. (details from the Academic Registrar).

Science. Maths., a foreign lang., and two Science subjects in the G.C.E. or equivalent examn. A pass at Advanced level is required in either the two Science subjects or in Maths. and one Science subject.

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.

* In the case of non-European candidates, other langs. such as classical Arabic would be considered on sp. applicn.

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

* Subject Nos. 18-29 are approved Science subjects.

† O=Ordinary level; A=Advanced level.

pass in that subject at Advanced level in an examn. for a General Certificate of Education.

Exempting Examinations

A graduate of an approved Univ. or Coll., or a Barrister-at-Law, or a Solicitor of the Supreme Court of Judicature in England and Wales, or an Advocate or other legal practitioner in Scotland, or a medical practitioner registered in the United Kingdom may qualify for matriculation.

Great Britain and Ireland. General Certificates of Education awarded by Nos. 3-9 (v. *supra*, p. 1414), provided that the candidates are certified to have qualified for matriculation in one of the Univs.: Birmingham, Bristol, Durham, Leeds, Liverpool, London, Manchester, Nottingham, Reading, Sheffield, under that Univ.'s provisions for recognizing the General Certificate of Education; and Nos. 12 (Higher standard), 13 (Credit standard), 14 and 15. V. *supra*, p. 1414.

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 Baccalaureat, or the Iraqi Baccalaureat, together with a certificate of fitness from the Iraqi Ministry of Education, if certified in each case by a constituent Coll. of the Univ. of Wales to possess a sufficient knowledge of English.

The matriculation examns. of the Swiss Univs., the Royal Norwegian Ministry of Church and Education, the Palestine Board of Higher Studies, the Entrance examns. of the Univ. of Iceland; the Secondary Education Certificate examn., Part II, of the Egyptian Ministry of Education (with pass in Special Part); provided in each case that the candidate passes in the subjects required.

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 in industry, have passed in English Lang. at the General Certificate of Education examn., and are recommended for an approved degree course by a constituent Coll., and such recommendation has been approved by the Academic Board, may qualify for Matriculation.

UNIVERSITY COLLEGE OF NORTH STAFFORDSHIRE

The following are eligible for admission: 1. Graduates of Univs. of the United Kingdom, or of such other Univs. as may be approved by the Senate.

2. Holders of approved Higher School Certifs., provided they also hold approved First School Certifs. under the arrangements which maintained until the introduction of the General Certificate of Education.

3. 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* 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

* *V. supra*, p. 1414.

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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. Chem. 17. Physics-with-Chem. 18 (a), General Science I, and 18 (b), General Science II. General Science I *and/or* II may *not* be counted with any of the following : Physics, Chem., Physics-with-Chem., Bot., Zool., Biol. 19. Bot. 20. Zool. 21. Biol. (May *not* be taken with either Bot. or Zool.) 22. Geol.

8. No. 16 (v. p. 1414).

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

* Candidates submitting Northern Universities Jt. Matriculation Bd. certs. 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 to 22 inclusi of Maths. under regulations for Schemes A and B. Subjects 15 under Scheme are approved Science subjects for the purposes of Matricn. requirements A and B.

branches of Sci., viz. : Physics, Chem., Bot., Zool., Geol.) ; III. Latin, Greek, French, German, Italian, Spanish, Gaelic, Russian and such other langs. as may from time to time be recognized for the purpose by the Board ; IV. History, Geog., Music and (Scottish Leaving Certif. only) Applied Sci. The Board requires four passes to be obtained on the Higher standard, or three on the Higher and two on the Lower standard. There must always be a pass on the Higher standard in English and in either a Group II or a Group III subject ; and there must be passes in at least one subject from Group II and one from Group III.

(3) Applicants who present General Certificates of Education issued by any of the Examining Bodies, 3-10 (v. *supra*, p. 1414), 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. (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. No. 13 (v. *supra*, p. 1414) (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 passes have been gained at not more than two separate sessions of examn.

(4) Passes at 50 per cent., or better, shown in a Certif. qualifying the applicant for entry on a degree course in Arts, Pure Sci. or Med. at a recognized Univ. of the Republic of Ireland, Canada, Australasia or of the Union of South Africa, if they are in subjects recognized by the Board, will count (1) as passes at Ordinary level if the holder completes his qualifications by means of the General Certif. of Educn. examn. (Clause 3 above), or (2) as passes on the Lower standard if he completes by the Entrance Board's Prelim. Examn. (Clause 2 above). Alternatively a certif. signed by the Registrar of a recognized Univ. in these countries stating that the applicant has completed satisfactorily the first two yrs. of a course leading to a Degree in Arts, Pure Sci. or Med., and has duly passed in all the subjects of his course up to that point, will qualify for the Certificate of Attestation.

(5) Evidence of the satisfactory completion of the second yr. of a course leading to a degree in Arts or Pure Sci. or of the pre-medical course, of a Univ. or Coll. in the U.S.A. (other than a Jr. Coll.) appearing in the current list published by the American National Cttee. of Regional Accrediting Agencies, will qualify for the Board's Certificate of Attestation if the applicant's academic record shows Grades averaging not below B. in such of the following subjects as have been included in the first two yrs. of his academic course: English, Foreign Langs., Maths. (Pure and Applied), Sci., Hist., Geog., Art and Music.

(6) A School Leaving, Matricn. or Univ. Entrance Certif. awarded in any one of the following countries and qualifying unconditionally for entrance on a course leading to a Degree in Arts, Pure Sci. or Med. in a recognized Univ. of that country, is acceptable: (a) if it contains passes of "Satisfactory" (or higher) grade in six of the subjects detailed in para. 3 above, and these include (1) the language of the country issuing the Certificate; (2) a second recognized language; and (3) either Maths. or a recognized Science; and (b) if at least two of these passes (which must include English or a subject of Group II or Group III [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. In the case of Greek, Hebrew, Arabic, Syriac, Mathematics and Music, a student shall be admitted to attendance on the classes qualifying for graduation if he has the subject of the class as one of the subjects either of his Group Leaving Certificate or of the University Preliminary Examination. Where a student desires to attend a course qualifying for graduation and does not satisfy the above condition, he shall inform the Secretary to the University of Aberdeen not later than one week before the commencement of the class, and a written examination or other test will be provided to determine his fitness to attend the class.

Edinburgh. Certain preliminary passes are required for entrance to certain classes and for entry upon or to follow the curricula for certain Honours groups. If a student intends to take a curriculum containing a class which requires a special qualification, it is desirable that he should have included this qualification in his Leaving Certif. (or its equivalent), but failing this he may take the subject in the Univ. Preliminary Examn.

Preliminary Qualifications Necessary for Attendance at Certain Classes and for following the Curricula for Certain Honours Groups

Arts and Commerce. Ordinary classes in Latin, Greek, French, German, Italian, Spanish, Celtic, Russian—A pass in the lang. on the Higher standard in the Leaving Certif., or some equivalent evidence of proficiency.

Second Ordinary, Intermediate Honours, and Honours Classes in English, and Interm. and Hons. Classes in French, Italian, Spanish.—A pass in Latin on at least the Lower standard in the Leaving Certif. (on the higher for Hons. English), or some equivalent evidence of proficiency.

Honours in English.—A reading knowledge of German (for those specializing in Language); or of French (for those specializing in Literature or Mediæval Studies).

Honours in Spanish.—A reading knowledge of French.

Sanskrit.—A knowledge of Sanskrit grammar (as in Macdonell's *Sanskrit Grammar for Students*) and ability to read simple texts.

Hebrew.—A knowledge of Hebrew grammar (as in Davidson's *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.

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Honours in Psychology and Social Anthropology.—A pass in Maths. on the Lower standard in the Leaving Certif., or some equivalent evidence of proficiency.

Maths., 1st Ordinary, and Natural Philos., 1st Ordinary—for students not proposing to go beyond first ordinary classes a pass in Lower Maths. in the Leaving Certificate. or some equivalent evidence of proficiency.

Maths., Second Course ; Hons. Maths. and Natural Philos. ; Technical Maths. ; Mathematical Physics and Natural Philos.—for students proceeding beyond the first ordinary classes a pass in Higher Maths. in the Scottish Leaving Certificate, or some equivalent evidence of proficiency.

Meteorology.—An elementary knowledge of mechanics, general physics and heat.

Astronomy.—A knowledge of Maths. as represented by the first ordinary course in Maths., and of Dynamics as represented by the Preliminary Examn.

Chemistry.—A pass in an Admission Examn., unless the student has a pass on the Higher standard in Sci. (incl. Chem.) in the Leaving Certif., or other evidence of proficiency accepted as equivalent.

Honours in Geography.—Ability to read French or German.

The Ordinary Classes in Ancient (Gk. and Roman) Hist., Ecclesiastical Hist. and Roman Law, and Hons. Classes in British Hist. and Scottish Hist.—A pass in Latin on at least the Lower standard of the Leaving Certif., or some equivalent evidence of proficiency.

Honours in History.—A reading knowledge of French.

Honours in Fine Art.—A reading knowledge of at least one modern foreign European lang. and a pass in an entrance test prescribed by the Edinburgh College of Art.

Honours in Architecture.—A pass in an entrance test prescribed by the Edinburgh College of Art.

Accounting and Business Method.—A pass in an Admission Examn. in Book-keeping or evidence of a sufficient practical training in an office or otherwise.

Science. For admission to degree courses in Pure Science or in Applied Science (except Vet. Science)—passes in Maths., Physics and Chem. on the Higher standard in the Leaving Certif., or some equivalent evidence of proficiency. In certain cases for admission to degree courses in Pure Science the requirement of Higher Physics and Chem. may be relaxed. Besides these general requirements, entrance qualifications as for Arts are required for Maths., Technical Maths., Physics (Nat. Philos.), Chem., Astronomy, Meteorology.

Agriculture. In addition to the above general requirements—evidence of a complete twelve months' experience, covering the four seasons, on an approved farm.

Law. Civil Law.—A pass in Lower Latin in the Leaving Certif. or some evidence of a sufficient knowledge of the language.

Medicine and Dental Surgery. A student, before commencing the curriculum for graduation, must have the Certif. of Attestation of

Fitness.* Prospective students are advised to include elementary Physics and Chem. in their School or Pre-University studies.†

Recognition of Institutions Outside the United Kingdom

Arts. Undergraduates who have attended courses in another Univ. may apply for exemption from one (not the Final) yr. of the course for M.A. or for B.Com., and from attendance on classes in two subjects. Graduates of another Univ. may apply for exemption from examination as well as attendance. Each application will be considered on its merits.

Science. Certain courses (first year only) may be taken in other Univs. or institutions approved by the University Court. The Higher School Certif. is not regarded as qualifying for exemption.

Law. The Arts degree of certain approved Colonial, Indian and American Univs. is recognized for admission to the LL.B. course. Two of the three yrs.' study for LL.B. may be taken at one of the following recognized institutions: the Univs. of Oxford, Cambridge and Dublin; the Inns of Court; the Madras Law School; the Maharaja's Law College, Trivandrum; Ripon College, Calcutta; Univ. of Rangoon; McGill Univ.; University College and King's College, London; the Colls. and Univs. approved by the Association of American Universities. The exemption granted is only in respect of attendance at classes, not of examination.

Medicine and Dental Surgery. Recognition may be given to courses taken in the first two yrs. of the curriculum at any Univ. of the United Kingdom or at such Indian, Colonial or foreign Univ. or Coll., or under such teachers as may be recognized by the University Court.

Glasgow. *Arts.*

- (a) Ordinary Classes of Humanity, Greek, French, German, Italian, Spanish, Russian, Gaelic, Welsh, Arabic, Norwegian; Senior Class of Hebrew.
- (b) Ordinary Classes of Mathematics, Natural Philosophy and Astronomy.

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless before admission to the class the student has produced evidence that he has passed in the subject of the class (for (b) in Maths.) on the Higher standard (where different grades exist) in the Leaving Certificate or the Preliminary Examination or on the corresponding standard in another examination recognized as 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

* 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.

of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

- (c) Intermediate Classes of Humanity, Greek, French, German, Italian, Spanish, Arabic ; Higher Classes of English, Russian, Hebrew, Logic, Moral Philosophy, Political Economy, History, Scottish History, Constitutional History, Mathematics, Natural Philosophy, Geography, Music ; Classes of Greek History, English Language, Political Philosophy and Social Economics.

Attendance on any of these classes shall not qualify for graduation on the Higher standard unless, before admission to the class, the student has obtained a pass on the Ordinary standard in the subject in which he is taking a Double Course.

- (d) Higher Classes of English, French, German, Italian, Spanish, Hebrew, History, Constitutional History ; Honours Classes of English, French, German, Italian, Spanish, History, Scottish History and Literature.

Attendance on any of these classes shall not normally qualify for graduation unless, before admission to the class, the student has produced evidence that he has passed in Latin or Greek on the Higher or the Lower standard in the Leaving Certificate or the Preliminary Examination or in another examination recognized as equivalent : but the Faculty of Arts shall have the power to accept in lieu of such a pass such other evidence of proficiency in the subject concerned as it may deem equivalent.

- (e) Honours Class of Hebrew.

Attendance on this class shall not normally qualify for graduation in Arts unless, before admission to the class, the student has produced evidence that he has passed in Greek on the Higher or on the Lower standard in the Leaving Certificate or the Preliminary Examination or in another examination recognized as equivalent, or that he has diligently attended a non-qualifying class in Greek ; but the Head of the Department shall have power to accept such other evidence of proficiency in Greek as he may deem equivalent. Each case in which this power has been exercised shall be reported to the Faculty of Arts and the admission of a student under this provision shall be subject to confirmation by that Faculty.

- (f) Ordinary Class of Music.

Attendance on this class shall not normally qualify for graduation unless, before admission to the class, the student has either (a) produced evidence that he has passed in Music on the Higher standard in the Leaving Certificate Examination, or (b) attended the Elementary Class and satisfactorily performed the class work ; but the Head of the Department shall have power to accept such other evidence of proficiency in Music as he may deem equivalent. Each case in which this power has been exercised shall be reported to the Faculty of Arts, and the admission of a student under this provision shall be subject to confirmation by that Faculty.

- (g) Honours Class of Gaelic. Attendance on this class will not qualify for graduation unless, before admission to the class, the student

has passed in the degree examination in Latin on at least the Ordinary standard.

Science.

- (1) Ordinary Classes of Mathematics, Natural Philosophy and Astronomy.

Attendance on any of these classes shall not, except as hereinafter provided, qualify for graduation unless, before admission to the class, the student has produced evidence that he has passed in Mathematics on the Higher standard in the Leaving Certificate or the Preliminary Examination or on the corresponding standard in another examination recognized as equivalent: but a student not so qualified, if for special reasons he has been admitted to any of these classes by the Head of the Department concerned and has passed in Mathematics on the Higher standard in the Spring Preliminary Examination of the same academic year, may make application to the Senatus for the recognition of such pass, and, if such recognition is granted, his attendance and class record will be allowed to qualify for graduation.

- (2) Classes in Double-course subjects.

Attendance on any of these classes shall not qualify for graduation on the Higher (Double-course) standard unless, before admission to the class, the student has passed on the Ordinary (Single-course) standard in the same subject.

- (3) Before presenting themselves for examination in a Double-course subject candidates must have attended at least two qualifying courses in that subject. One of these courses must be a higher course and all courses in any subject except Mathematics must include practical or laboratory work.
- (4) A qualifying course in any subject shall normally extend over three terms, but the Senatus, with the approval of the University Court, may sanction partial courses of not less than one term's duration, and two or three such partial courses shall be held to be equivalent to a full normal course in such cases as the Senatus, with the approval of the University Court, may determine and under such rules as may from time to time be made for that purpose.

Engineering.

- (1) Mathematics (1st Course) and Mathematics (2nd Course).

These classes may not be taken in the same academic year except by express permission of the Faculty of Engineering.

- (2) Mathematics (1st Course) and Applied Physics (Ordinary).

Attendance on these classes shall not normally qualify for graduation in Engineering unless, before admission to the class, the student has produced evidence that in the Leaving Certificate or the Preliminary Examination, or in another examination recognized as equivalent, he has passed in Mathematics on the Higher standard, or that he has diligently attended a non-qualifying course in Mathematics: but the Head of each of the Departments concerned shall have power to accept such other evidence of proficiency in Mathematics as he may deem equivalent.

St. Andrews. In the Faculty of Arts, students who propose to attend a graduating course in Latin or Greek, or Hebrew, or French, or German, or Spanish must produce evidence of having passed the Leaving Certificate Examn. in the language on the Higher standard or some equivalent qualification, or must (in the case of Latin, Greek, Hebrew, German and Spanish) have attended a Junior Class in the Univ. and duly performed the work of that class for one session. Students who wish to attend a graduating course in Maths., Applied Maths. or Nat. Philos. must show that they have passed the Leaving Certif. in Maths. on the Higher standard or obtained some equivalent qualification. For a graduating course in Chem., candidates who do not produce evidence of having passed the Leaving Certificate in Higher Chem. or some equivalent qualification may be required by the Professor to pass an examn. during the Martinmas term. For a graduating course in Nat. Philos., candidates who do not produce evidence of having obtained a knowledge of Physics equivalent to that of the Leaving Certif. examn. on the Higher standard may be required by the Professor to pass an examn. at the beginning of the course.

In the subjects of Maths., Applied Maths., Nat. Philos. and Chemistry, students who do not have the above qualifications may attend the General Class on passing an examination to be held at the beginning of the Martinmas Term.

In the Faculty of Science, the above rules apply to the classes of Maths., Applied Maths., Nat. Philos. and Chemistry.

BELFAST

The Matriculation Examn. comprises English, Mathematics and 3 of the following: (a) Greek, (b) Latin, (c) French, (d) German, (e) Italian, (f) Spanish, (g) Modern History, (h) Physics or Mechanics, (j) Geog., (k) Chem., (l) Bot., (m) for Faculties of Arts, Economics, Applied Science and Technology—Celtic, (n) for Science, Medicine, Agriculture or Applied Science or Technology—Mechanical Drawing; for Economics—(o) Elementary Economics, and (p) Accounting; for Faculty of Arts—(q) Music. For Arts or Medicine or Economics one language other than English must be taken; for Science and Agriculture—French or German; for Applied Science or Technology—one of the languages (a)-(f). Candidates for Faculty of Arts may, under certain conditions, take Latin or Greek instead of Maths. For the Faculty of Law, English, Latin, and History are compulsory. For the Faculty of Applied Science, Physics is compulsory; for students of Chemical Technology and of Pharmaceutics, Chemistry is compulsory; for the Faculties of Science and of Agriculture, both Physics and Chem. are compulsory.

A candidate who has passed in at least three subjects, but failed to pass the examn. as a whole, is allowed to complete his matricn. at the next subsequent examn.

Exempting Examinations

Candidates who have passed any of the following examns. are admitted as matriculated students, provided that if they have not

passed in all the subjects required by the Univ. for matriculation in the respective Faculties they shall be required to pass in the additional subjects at one and the same Matricn. Examn.

Great Britain and Ireland—A. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 (v. *supra*, p. 1414), provided that in the cases of Nos. 3 to 10 inclusive passes have been obtained in (i) English Lang., (ii) a lang. other than English, (iii) Maths. or an approved science and (iv) *three* other subjects, two of the six to be passed at Advanced level *or* (v) *two* other subjects, three of the five being passed on the same occasion and *two* of these three at Advanced level *or* the certificate has been certified by an appropriate officer of a Univ. of England or Wales as satisfying its requirements for matriculation. No. 12 is subject to certain conditions.

B. Graduation examn. of a British Univ.

C. Dominion and foreign qualifications receive special consideration, provided full details of education and relative certificates are submitted.

Special Exemptions

Students of mature age (not less than 23) may be admitted without passing the ordinary Matricn. Examn. Applications are dealt with by a special committee of the Academic Council, who may submit candidates to such tests of their fitness to profit by the courses of the Univ. as they may consider necessary in each case. Applications must be submitted on or before June 1 in each year.

Special Regulations for Entrance to Faculties

Arts. Candidates for the Faculty of Arts who intend to enter an Honours School must pass in Greek or Latin at Matricn.

Medicine. Candidates must have passed an examn. in Latin of at least Junior Certificate (Northern Ireland) standard, and a pre-entry examination in Physics and in Chem.

Science and Agriculture. Candidates must have passed an examn. in French or German, and a pre-entry examn. in Physics and Chem.

In addition, candidates for entry into the Faculty of Agriculture must satisfy the Faculty that they possess a sound knowledge of the practice of Agriculture, and have been engaged for at least one year in farm practice.

Civil Engineering. Candidates may qualify *either* according to the regulations for the Faculty of Science *or* for the Faculty of Applied Science.

Law. English, Latin and History are compulsory.

(B) CANADA *

[Specially contributed for this edition 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 Univ. 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.

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,

* See also the Admissions paragraphs in the entries for the Canadian Universities above, e.g. for Acadia, see p. 636.

unless a definite number of prescribed subjects have been taken by him in the secondary school exams. 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 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. 1461-1463) is an effort 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

<i>Province</i>	<i>Institution</i>	<i>Grade</i>	<i>Diploma or Certificate</i>
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.
	Univ. of Bishop's Coll.	XI	Bishop's Matric. examn. in 6 subjects.
Quebec	Laval Univ.		Immatriculation classique, at end of class of Versification (corresponding to Grade XI) in 6 subjects : French, English, Latin (2), Greek, Maths.
	Collèges classiques		
	Science and Engin.	XII	Certificat d'Études primaires supérieures du Conseil de l'Instruction publique and Entrance Examn.

<i>Province</i> Quebec (<i>contd.</i>)	<i>Institution</i>	<i>Grade</i>	<i>Diploma or Certificate</i>
	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.

<i>Province</i>	<i>Institution</i>	<i>Grade</i>	<i>Diploma or Certificate</i>
Ontario (<i>contd.</i>)	Univ. of Toronto	XII	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	XIII	Ontario Secondary School Graduation Dipl. in 4 options and Ontario Secondary School Honours Graduation Diploma in 4 subjects.
		XII	Admits to 1st yr. of affiliated Colls. and Nursing, Home Economics, Music and Theol.
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 demand 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

[This statement 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 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 Univ. for matric. purposes. The examns. are 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 by the other Australian Univs.

<i>State</i>	<i>Examination</i>	<i>Conducting Body</i>
New South Wales and Australian Capital Territory	Leaving Certif.	N.S.W. Dept. of Educn.
	Matric.	Univ. of Syd.
	Qualifying Deferred	N.S.W.U.T.
Queensland	Senior	Univ. of Q'ld.
	Special Matric.	Univ. of Q'ld.
South Australia	Leaving Certif.	Univ. of Adel.
	Inter. Certif. (an examn. taken normally 1 yr. before the leaving examn.)	Univ. of Adel.
Tasmania	Matric.	Univ. of Tas.
	Schools Bd. Certif.	Schools Bd. of Tas.
Victoria	Sch. Leaving Certif. (pre- requisite only)	Univ. of Melb.
	Matric. Certif.	Univ. of Melb.
Western Australia	Leaving Certif.	Univ. of W.Aust.
	Matric.	Univ. of W.Aust.

SPECIFIC CONDITIONS

ADELAIDE

South Australian Candidates

The minimum age for matric. is 16 yrs. 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. Five 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.* Qualifications which entitle the holder to matric. in the corresponding Fac. in any recognized Univ. of the U.K. 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 the subjects specified at Leaving standard by Adel. have been passed at the Advanced level. A candidate whose qualifications do not include one or more of the subjects specified by Adel. is required to pass in only the outstanding subject or subjects.

(b) *Other Parts of the British Commonwealth.* A candidate from another country within the British Commonwealth may be admitted to matric. who (i) has passed at the Oxon. or Camb. Sch. Certif. Examn., at Credit standard, or better, in at least 5 subjects, including those

specified in the Adel. requirements (Engl. Lang. and Engl. Lit. are not counted as 2 subjects, Religious Knowledge is not counted, and a pass only is taken as equivalent to a pass at the Inter. Examn.); (ii) has passed with Credit in Engl. Lang.; and (iii) has passed at the S. Australian Leaving Examn. in such subject or subjects (if any) as may be determined in each case.

An examn. other than the Oxon. or Camb. Sch. Certif. Examn. may be accepted in accordance with these principles if the Univ. is satisfied that it is of equivalent standard.

A candidate seeking admission to the Fac. of Engin. or wishing to take a Sci. course which will include Pure Maths. I, must have passed at Credit standard or better in Addtnl. Maths. as well as in Elementary Maths.

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.

Where the English G.C.E. Examn. has replaced the Oxon. and Camb. Overseas School Certif. Examns. the G.C.E. is accepted on the same conditions as apply to candidates from the U.K.

(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; (ii) has passed in Engl. at the matric. standard either of Adel. or of a recognized Univ. of his native country (in the latter case he will be required also to pass in a special test in Engl. lang.); 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 in Maths. I and II and Sp. Maths. at the S. Australian Leaving Examn. or in 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.

Mature Age

No provision is made for modification of the normal requirements for matric. on account of age.

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., p. 1468, and General Note, p. 1464.)

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.

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.

Siam. Matric. of Univ. of Chulalongkorn.

South Africa. Matric. of Jt. Matric. Bd. of Univs. of S.A.

Syria. Matric. of American Univ. of Beirut.

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. 1473, and General Note, p. 1464.)

THE NEW SOUTH WALES UNIVERSITY OF TECHNOLOGY

General

(a) 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., Ancient 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) Ancient Hist. and Agric. are accepted only where the pass was obtained at an examn. held in 1945 or subsequent yrs. ;

(viii) Econ. is accepted only in cases where the pass was obtained at an examn. held in 1947 or subsequent yrs.

(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. Educ., N.S.W., since and including the qualifying examns. of the Dept. of Tech. Educ. 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 1953.

(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

In order to qualify for matric., a candidate is required to pass in a selection of subjects at the Public Examns. held annually by the Univ. The Jr. and Sr. Examns. are held in Nov.-Dec., and there is also a Matric. Examn. held in Feb.

Subject to the provisions below a candidate may qualify for matric. in 2 examn. sittings, provided that at one of such sittings a pass is secured in at least 4 subjects at Sr. Examn. standard, otherwise the whole of the subjects required for matric. must be passed at one sitting. The examn. in Nov. and the Matric. Examn. in Feb. are regarded as constituting one sitting under this rule.

Where the requirements of a Fac. specify the Jr. Examn. standard for a particular matric. subject, this subject must be passed by the candidate either when sitting for a Jr. Public Examn. or during the

same examn. periods in which the requisite passes at Sr. standard are secured. In cases where a pass in a subject at Jr. standard is accepted for matric. purposes in any Fac., and this pass is included in the subjects covered by a Jr. Public Examn. taken by the candidate, the Jr. Public Examn. at which the subject was passed will not be counted as a sitting.

The examn. in Feb. may be used only for matric. purposes.

The Univ. will consider applications for exemptions from all or part of the Matric. Examn. from candidates who have passed examns. used for matric. in any other Australian Univ.

The subjects which may be used for matric. purposes are :

(i) Group A. Engl., a lang. other than Engl. from Group B, Maths. I.

(ii) Group B. Latin, Greek, German, French, Italian, Modern Hist., Ancient Hist., Logic, Econ., Music or Art,* Maths. II, Chem., Physics, Botany, Geology, Zoology, Physiology, Geog., Home Sci. A, Book-keeping and Accounts, Appl. Mechanics, Geometrical Drawing and Perspective.

A candidate for matric. is required to pass in Engl. at Sr. standard, and in the remaining subjects of Group A at the standard prescribed by the Fac. concerned, in accordance with the requirements for the various Facs.

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 is required to pass in 5 Sr. subjects from the Open Scholp. list, including Engl., Maths. I, Phys. and Chem.

A lang. other than Engl. must be passed at not less than Jr. standard

* The requirements in Music for matric. purposes are Theory, Grade II, and a practical subject Grade II taken in the Examns. of the A.M.E. Board.

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 shall have fulfilled the matric. requirements of any Fac. which include Engl. and Maths. I, or have passed in 5 Sr. subjects, including Engl. and Maths. I.

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 shall 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 hon. 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 25 yrs. may be admitted to matric. in the several Facs. on passing a special examn. The candidate may, if he so elects, matriculate under the ordinary regulations.

SYDNEY

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 examination 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) Ancient Hist. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1945 or subsequent yrs. ;

further, Ancient Hist. may be taken with Mod. Hist. at the Leaving Certif. Examn. 1951 and subsequent examns. ;

- (h) Agric. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1945 or subsequent yrs. ;
- (i) Econ. is accepted for matric. only in cases where the pass was obtained at an examn. held in 1947 or subsequent yrs.

Special requirements are not prescribed 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 Educ., 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 others 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 year 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. in 1950 and subsequent yrs.

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 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 ; 10. German (in and after Nov. 1953 : 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 (in and after Nov. 1953 : 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. Agricultural Sci. (in and after Nov. 1953 : Agriculture) ; 24. Domestic Sci. and Hyg. (in and after Nov. 1953 : 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 only be taken 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 only be taken by candidates also offering 3).

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 $33\frac{1}{3}$ 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

* H. = Higher Grade ; O. = Ordinary Grade.

lang. (*i.e.* English or Afrikaans) * on the Higher Grade ; (ii) Maths. 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 $33\frac{1}{3}$ 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 reguins. for its own Matric.

* 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.

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. 1414) 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 and in the case of English both Lang. and Lit. must be included (English Lang. or Lit. alone is not recognized as fulfilling the requirement for exemption from English). 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; 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 the Univ. or other authority concerned. 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, Transvaal, 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.

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).

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]-[46].
2. Agriculture, Veterinary Science, etc. [47]-[54].
3. Applied Science and Technology [55]-[67].
4. Arts (General) [68]-[76].
5. Arts (Special Subjects) [77]-[110].

Anthropology [77]-[80]. Architecture, Art and Archaeology [81], [82]. Classics [83]-[86]. English [87].	Geography. Hebrew [88]. History [89]-[93]. International Relations [94]. Law [95]-[98].
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|---------------------------|---|
| Librarianship [99]. | Oriental and African Studies [103]-[108]. |
| Mathematics [100], [101]. | Philosophy and Psychology [109], [110]. |
| Modern Languages [102]. | |
| Music. | |
6. Dentistry [111], [112].
 7. Economics and Sociology [113]-[126].
 8. Education [127]-[129].
 9. Engineering (General) [130]-[135].
 10. Engineering (Special Branches) [136]-[146].

Aeronautics [136], [137].	Mining and Mining Engineering.
Agricultural Engineering [138].	Naval Architecture and Marine Engineering [146].
Chemical Engineering, v. 16.	
Civil Engineering [139], [140].	
Electrical Engineering [141]-[144].	
Mechanical Engineering [145].	
 11. Fisheries [147]-[149].
 12. Medicine and Surgery (General) [150]-[173].
 13. Medicine and Surgery (Special Subjects) [174]-[211].

Anatomy [174].	Oto - Rhino - Laryngology [196].
Bacteriology [175], [176].	Pædiatrics [197].
Biochemistry, v. 16.	Pathology [198]-[203].
Cancer [177]-[182].	Physiology [204], [205].
Cardiology.	Preventive Medicine [206]-[208].
Diseases of Children [183], [184].	Tropical Medicine and Hygiene [209].
Neurology and Psychiatry [185]-[190].	Tuberculosis [210].
Obstetrics and Gynæcology [191].	Urology [211].
Ophthalmology [192], [193].	
Orthopædic Surgery [194], [195].	
 14. Psychical Research [212].
 15. Science (General) [213]-[235].
 16. Science (Special Subjects) [236]-[275].

Astronomy [236].	Mathematics, v. 5.
Biochemistry [237]-[239].	Metallurgy [262]-[264].
Biology [240]-[242].	Meteorological Science.
Botany [243], [244].	Nutrition [265].
Chemical Engineering [245]-[249].	Pharmacy [266]-[268].
Chemistry [250]-[258].	Physics [269]-[273].
Colloid Science [259].	Physiology [274], [275].
Electrotechnics.	Zoology.
Geology [260], [261].	
 17. Theology [276], [277].
 18. Prizes [278]-[295].

1. GENERAL

[1] † AUSTRALIAN NATIONAL UNIV. *General Scholarships*. Open to graduates of Australian Univs. For work in Australia or abroad

(subject to the approval of the Univ.) in fields of study outside the interest of the Research Schools of the A.N.U. Tenure : 2 yrs. Value : £450 stg. for single scholars ; married scholars may receive additional allowance. Fares allowance up to £75 stg. Applications usually close in Oct. Further particulars from the Registrar, The Australian National University, Box 4 G.P.O., Canberra, A.C.T., Australia.

[1A] * † ‡ BELFAST, THE QUEEN'S UNIV. *Senior Studentships*, £250 p.a. for 2 yrs., open to graduates of at least 1 yr.'s standing of Belfast or any other approved Univ., tenable normally at Belfast. Applicants should have had previous research experience and have proved their aptitude for it, and should briefly describe the piece of research or other original work upon which they propose to embark. Applications to the Secretary of the Academic Council by June 1.

[2] † BRISTOL UNIV. *Michael Hiatt Baker Scholarship*, value £350 p.a. tenable by a graduate from New Zealand and normally held for 2 yrs., but may be renewed for a 3rd yr. The holder will normally be expected to spend 2 yrs. in research in the Univ. for a higher degree, but, with the approval of the Profs. concerned, may be allowed to spend some period elsewhere. The scholarship may be held in any subject and is in the appointment of the Vice-Chancellor on the nomination of the Univ. of New Zealand.

[3] BRITISH COUNCIL, 65 Davies Street, London, W.1. * † ‡ (i) Scholarships are awarded each year to graduates of overseas Univs. and those holding equivalent qualifications. These are tenable at British Univs. and cover passage, fees, and full maintenance for at least one academic year. Arrangements for the preliminary selection of scholars are in the hands of the Council Representatives abroad or H.M. Missions in the countries concerned.

* † ‡ (ii) The Council also awards a number of Travel Grants, 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.

[4] * BRITISH FEDERATION OF UNIVERSITY WOMEN, LTD., 17A King's Road, London, S.W.3. *Ida Smedley MacLean Junior British Scholarship*, £100, offered annually to a British woman graduate under 26 yrs. Subject and place of study optional.

A number of other awards are made from time to time.
Further details from the Secretary at above address.

[5] CAMBRIDGE UNIV. *Bartle Frere Exhibitions*, for study or research in any branch of knowledge relating to any part of the British Empire except the U.K., India and Pakistan. Tenable normally in Cambridge for 1 yr. but may be prolonged for a 2nd yr. This competition is open

to all. Applications to the Secretary of the General Board, The Old Schools, Cambridge, by Feb. 13.

[6] * † ‡ CAMBRIDGE UNIV.: CHRIST'S COLL. *Research Studentship*. Annual value not more than £300, normally tenable for 2 yrs. Successful candidate must read for Cambridge Ph.D. Further particulars from the Master.

[7] * † ‡ CAMBRIDGE UNIV.: CLARE COLL. *Denman Baynes Studentship*, £100 p.a., held usually for 2 yrs., open to grads. of any Univ., with pref. to those of Cambridge and members of Clare Coll. Applications to the Master.

[8] 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.

[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. On each occasion the award will be assigned primarily to a particular Univ. or similar institution for purposes of nomination. The *Orford Studentship* for a New Zealander and the *Grainger Studentship* for a Canadian (on this occasion from the Univ. of Toronto) will be offered for Oct. 1953. The *Giblin Studentship* for an Australian and the *Crawford Studentship* for a South African will be awarded for Oct. 1954. 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.

[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.

[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 May 1.

[13] CANADIAN FEDERATION OF UNIVERSITY WOMEN. † (i) *Traveling Scholarship*. 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 Scholarship*. 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 Scholarship*. Value, \$1000. 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 Scholarship Cttee. : Mrs. Frank M. Ross, 4899 Belmont Ave., Vancouver, B.C., Canada.

[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 a member of the staff of one of the Univs. or Colls. in Scotland receiving grants from the Trust, and are tenable at any Univ. or other institution approved by the Trustees :

(i) A limited number of Fellowships, £800 p.a.

(ii) Senior Scholarships, £350 p.a. plus £100 for expenses.

(iii) Scholarships, £300 p.a.

(iv) Special awards, dependent upon the nature of the research, for special research projects.

(v) Grants in aid of research.

Application forms supplied by the Secretary, 22 Hanover Street, Edinburgh. Closing date for applications: March 15 in each academic yr. All awards are made for 1 yr. in the first instance.

(The following instn. does not grant scholarships but makes loans.)

[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.

Further details from the 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 £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. * † (i) *College Postgraduate Studentships*, £200 p.a., and normally tenable for 2 yrs. at King's Coll. Open to graduates with high qualifications. Applications to Registrar, not later than May 15 in each yr.

* † ‡ (ii) *Kemsley Fellowship*, £400 p.a., tenable for 1 yr. but renewable to a max. of not more than 3 yrs., in any dept. of the Univ. which the Cttee. of Award may from time to time select. Open to graduates of other Univs. for advancement of knowledge of their subject by study in the Univ. of Durham, having regard to the social, economic and other needs of the 4 northern counties. Particulars from Registrar.

[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 the Secretary of the Univ.

* (ii) *Shaw Macfie Lang Fellowship*, £220 p.a. approx., tenable for 2 yrs. at an approved institution in a subject decided from time to time by the Senate of the Univ. Open to honours graduates of Scottish Univs.

* † ‡ (iii) *Postgraduate Studentships, Research Grants and Fellowships* (financed from general Univ. funds). *Studentships*, up to £250 p.a. for 1 yr., with possibility of extension. Open to graduates of a recognized Univ. of Class I or II Hons. standing who propose to take Hons. in a second subject or undertake equivalent advanced study in the Univ. of Edinburgh. *Research Grants*, available to graduates of any Univ. carrying out research under the direction of the Hd. of a Dept. of the

Univ. of Edinburgh. *Fellowships*, £450 or £650 p.a. for original research, normally at the Univ. of Edinburgh. Open to graduates of any Univ. Further particulars from the Matriculation Office or from the Offices of the Deans of the Facs. of Medicine and Science. (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] † HUDSON'S BAY COMPANY. *Hudson's Bay Scholarships*. Purpose: to encourage the study of business administration, to contribute to the higher education of business executives, and to strengthen the links between the business communities in Canada and the U.K. Normally, 2 scholarships awarded annually in Canada for study in the U.K. at an appropriate Univ. or other educational institution. Value, £450 p.a. plus transportation expenses between Canada and U.K. Applicants must be Canadian-born subjects ordinarily resident in Canada, and must be between 23 and 30 yrs. of age. Further information from the Secretary, Hudson's Bay Scholarships Trust, Hudson's Bay House, Winnipeg, Manitoba, Canada.

[21] * † ‡ 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.

[22] † 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 British Empire. 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 National Educational Secretary, I.O.D.E., 182 Lowther Ave., Toronto, 4, Ont., Canada.

[23] * † 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 for academic yr. 1952-53. Further particulars from Association of Universities of the British Commonwealth, 5 Gordon Square, W.C.1.

[24] * † ‡ INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN, 1 Sedding Street, Sloane Square, London, S.W.1, awards *Travelling Fellowships* to its members who are women graduates of some 30 countries. Available for a year's research work in some country other than that of the holder. Research fellowships are awarded annually, value £355-£600.

Further particulars from the Secretary.

[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 FELLOWSHIPS AND GRANTS in aid of Research. The Trustees of the Will of the first Lord Leverhulme, acting on the advice of an Advisory Committee, award a number of Research Fellowships for varying periods from 3 mos. up to 2 yrs. Applicants must be British-born "experienced workers" normally resident in the U.K., preferably men and women prevented from carrying out research either by pressure of routine duties or by any other cause. The Trustees are prepared to consider applications from groups of workers engaged upon co-operative programmes of research. In exceptional circumstances the Trustees may waive the condition as to residence. Preference will be given to subjects in which existing provision is inadequate. The amount of individual grants is adjusted according to the circumstances of each case. Fellows will usually be required to work at, or in connexion with, a recognized centre of research either at home or abroad. Closing date for applns. is Dec. 31. Application forms and further information from the Secretary, Leverhulme Research Fellowships, 3-5 Salisbury Square, London, E.C.4.

[27] * † ‡ LONDON UNIV.: BEDFORD COLL. FOR WOMEN. *Marie Souvestre Scholarship*, £75 p.a. for 2 yrs., or £150 for 1 yr., tenable at Bedford College. Awarded biennially. Next award 1953. Open to Frenchwomen only.

Further particulars from the Registrar.

[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 1953.

* † ‡ (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 £130 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 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. The Scholarship will be offered in 1953.

† MARSHALL SCHOLARSHIPS. See Appendix VII of 1953 *Yearbook*.

[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] * † ‡ NOTTINGHAM UNIV. (i) A limited number of *Post-graduate Studentships* in the Faculties of Arts (including Economics, Law and Social Studies), Education, Pure Science, Applied Science, Agriculture and Horticulture; tenable for 1 yr. but renewable for a 2nd and 3rd yr., usually at the University, but permission may be granted for some period to be spent elsewhere. Value £250 p.a. with remission of appropriate fees. 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.

[34] † NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, W.C.1. *Dominion Travelling Fellowships*. For Australia, Canada, New Zealand, and S. Africa, the subjects are Medicine, Natural and Social Sciences, and Humanities. For Ceylon, India and Pakistan, the subjects vary from year to year. The awards are to enable qualified men and women to obtain in the U.K. such postgraduate training as will assist them to become teachers and research workers in their particular field on return to their own Dominion. Award includes cost of travelling to and from G. Britain. Tenable for 1 yr.

Further particulars from applicant's own Dominion: *Australia*—Maurice Brown, Esq., c/o Australian National Univ., Canberra, A.C.T. *Canada*—G. V. Ferguson, Esq., Montreal *Daily Star*, 241-5 St. James St., Montreal. *Ceylon*—H. J. Balmond, Esq., c/o Univ. of Ceylon, Colombo 3. *India*—K. Vyasulu, Esq., c/o Planning Commission, Govt. House, New Delhi. *New Zealand*—Dr. R. E. Corbett, M.Sc., Ph.D., Dept. of Chemistry, Univ. of Otago, Dunedin. *Pakistan*—D. S. Iff, Esq., B.A., Public Service Commission, Govt. of Pakistan, Karachi. *S. Africa*—A. E. Makin, Esq., P.O. Box 395, Pretoria.

[35] * † ‡ 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 £400 p.a. Further particulars from the Senior Censor.

[36] * † ‡ 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.

[37] OXFORD UNIV.: ST. ANTHONY'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.

[38] * † 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.

[39] ‡ 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.

[39A] † PRINCESS ALICE FOUNDATION. *Scholarships*. 1 or more awarded each yr. Value, \$1200. No specified field of study. Open to women, preferably under 35, who are graduates of approved Canadian Univs. Tenable at any approved Univ. or School. Further particulars from The Princess Alice Foundation Fund, Box 175, The Senate, Ottawa, Canada.

[40] * † ‡ READING UNIV. *Research Fellowships*, value £600 p.a., are available, subject to annual review, for 3 yrs. Open to Univ. graduates who have had previous training in research to standard normally required for the degree of Doctor of Philosophy. Tenable in any of the Facs. of the Univ. Further particulars from the Registrar.

[41] † ‡ RHODES TRUST. *Scholarships* (60-70), to enable students from the British Dominions (36) and U.S.A. (32) who have been selected for qualities of intellect and character, to study at the Univ. of Oxford

for an honours or research degree. Value, £500 p.a. each, at present ; tenable for 2 yrs. at Oxford and renewable for a 3rd at Oxford or elsewhere, but not in the scholar's own country. Open to male candidates, unmarried and between the ages of 19-25, who are citizens of the country from which they come and who have at least 2 yrs.' standing at a regular degree-granting Coll. or Univ.

Further particulars from the Secretary to the Trustees, 36 Beaumont Street, Oxford.

[42] * † ‡ 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, and limited to the following fields of study : Agriculture, Education, Journalism, Law, Political Science or other related studies in the field of international relations, Social Science. 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.*

[43] ROYAL EMPIRE SOCIETY. *Annual grants* from a small fund are made to facilitate the publication of original monographs, of not more than 60,000-80,000 words, embodying results of research conducted into some matter of importance relating to the British Empire overseas or some associated subject. The research may be concerned with any appropriate subject, whether in political, natural, or economic science or in the field of literature. Candidates should not be more than 35 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.

[44] ROYAL SOCIETY OF CANADA. *Fellowships* (ten). Value, \$1500 each. Tenable anywhere outside Canada in any branch of science or literature. Open to Canadians, men and women, who already have a Master's degree. Further particulars from the Hon. Secretary, Royal Society of Canada, National Research Building, Ottawa, Canada.

[44A] † 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.

[45] * † ‡ 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, prefer-

ably a person who is in, or intends to be in, Holy Orders. Further particulars from the Registrar.

[46] * † ‡ SOUTHAMPTON UNIV. A limited number of awards are made by the Univ. for postgraduate research : (i) *Postgraduate Scholarships* of £100 p.a. (supplemented by the Ministry of Education). (ii) *Grants* not exceeding £260 p.a. These are given in exceptional circumstances only. All awards are tenable for 2 yrs. subject to satisfactory reports and in special cases may be renewed for a third yr.

Applicants must provide the Univ. Research Cttee. with full information as to the nature of the research proposed, and furnish, at the end of the academic yr., a report embodying an account of progress made in the work undertaken. Last day for applications, June 1. Further particulars from Academic Registrar.

2. AGRICULTURE, VETERINARY SCIENCE, ETC.

[47] * † AGRICULTURAL RESEARCH COUNCIL, Cunard Building, 15 Regent St., London, S.W.1. At present, up to twenty-five awards for postgraduate training in scientific subjects bearing on research into the problems of agriculture and animal health are offered to *British subjects*. The object of these awards is to enable students to obtain postgraduate training, either in some aspect of science not adequately covered in their degree curricula, or in the methods of research in subjects with which they have already been concerned. The training provided in this way, usually at Univ. Departments or Research Institutions in Great Britain, although primarily directed to research, is also suitable for those who wish to obtain certain specialized appointments in the Agricultural Advisory Services.

Three types of award are offered :

(i) *Training grants*, intended primarily to enable students who graduate with Honours in Science or have an equivalent qualification, and holders of a veterinary qualification, to undergo a course of training prescribed by the Council in some aspect of science bearing on the investigation of agricultural problems, *e.g.* a zoologist may require a training in genetics or a veterinarian in physiology. In these circumstances the course of studies will not, as a rule, be such as to make it possible for the holder of an award to qualify at the same time for a higher degree (Ph.D.). The awards are tenable for a period up to 3 yrs. and are renewable annually, either as training grants or studentships (*see under (iii)*). An opportunity of study abroad for part of the period will be given so far as circumstances allow.

(ii) *Veterinary training grants*, tenable for not more than 4 yrs. and intended to enable graduates with Honours in Science to obtain a veterinary professional qualification with a view to undertaking research into problems of animal health.

(iii) *Research Studentships*, tenable for a period of up to 3 yrs. and open to those who graduate with Honours in Science, or hold an equivalent qualification, and to holders of a veterinary qualification, to enable them to gain research experience through the study of some specific problem under suitable supervision. Considerable latitude in

the choice of subject will be allowed, but in selecting candidates the Council will have regard to the need for workers in particular basic sciences of importance to agricultural research. So far as the programme of study admits, the holders of these awards will be allowed to register for a higher degree. Study abroad will only be possible in suitable circumstances.

The maintenance allowance to be granted for the three types of award varies from £250 to £350 per annum, according to the place and circumstances in which the award is held. The awards are free of income tax. In addition to the maintenance allowance, fees compulsorily incurred and approved expenses and maintenance while abroad will be paid, together with a sum not exceeding £10 p.a. for essential text-books.

Applications must be submitted by a senior member of the candidate's Department, usually in the spring, but applications will be considered at other times, and, in respect of Research Studentships, should indicate either that the study to be pursued can be undertaken in the Department sponsoring the application or that the candidate has been accepted in a University Department or Research Institution. Provisional applications can be made on behalf of candidates who have not yet been informed of the result of, or who have not yet sat, their final examination.

Junior Agricultural Research Fellowships. A limited number of Fellowships are offered to provide opportunities for research workers of outstanding ability to continue their investigations and widen their experience in subjects relating to agriculture. Candidates, who should hold an Honours degree in Science and have completed not less than three years' postgraduate study and/or research, must be nominated by the Supervisor of their postgraduate work. If the Supervisor is not the Head of the Dept. in which they have worked, the Head of the Dept. must countersign the application.

The maintenance allowance granted for this type of award is £600 per annum, on the assumption that income tax will be payable. In the event of a Fellowship being exempted from income tax the amount of the emoluments would be reduced. Fees compulsorily incurred and travelling expenses for approved journeys will also be paid. Where the Fellow is insured under the Federated Superannuation System for Univs., the Council will, in appropriate cases, be prepared to contribute towards the maintenance of the policies.

Senior Fellowships. Awards can also be made to enable more senior workers to widen their experience, or to gain proficiency in new techniques where this is desirable in the interests of agricultural research. There is no formal scheme for these awards. Those interested should enquire of the Secretary of the Council.

Special research grants for specific investigations are made by the Council direct to Universities, Research Institutes, and other recognized bodies. In exceptional circumstances, assistance from this source to individual experimental research workers would be considered.

Further particulars of the grants, studentships, and fellowships awarded by the Council are contained in the pamphlet *Careers in Agricultural Research*, obtainable from the Secretary of the Council.

[48] ANIMAL HEALTH TRUST. (i) *Wellcome Fellowship* 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.

[49] * † BRISTOL UNIV. *Boots Research Scholarships*. These Scholps. have been established by Messrs. Boots Pure Drug Company Ltd., to aid research at the Long Ashton Research Station. The Scholps. are open to graduates of Univs. in the British Commonwealth, and the scholars are required to engage in full-time research in the Univ. in any branch of Science pursued at the Research Station. There will be three successive scholps., each of the value of £300 per annum, tenable for 2 yrs. ; next award 1953.

[50] * † ‡ 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.

[51] * † LONDON UNIV. : WYE COLL. *May and Baker Research Fellowship*, £400 p.a., renewable for a maximum period of 3 yrs., tenable in the Department of Physical Sciences. Open to graduates of Univs. in Gt. Britain, Ireland or of British Univs. overseas. The holder must be prepared to carry out research in a field of Agricultural Chemistry approved by the Head of the Department.

[52] * † ‡ 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.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships and Research Fellowships*, see under General [33].

[53] * 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.

[54] * WALES, UNIV. OF : BANGOR UNIV. COLL. *John Roberts Jones Scholarship* to pursue a postgraduate course of one or two yrs.' duration in Agricultural subjects. Value £55, renewable for second yr. Open to Science graduates of British Univs. Preference to candidates born in Anglesey or N. Wales.

3. APPLIED SCIENCE AND TECHNOLOGY

[55] * † 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.

[56] * † ‡ BIRMINGHAM UNIV. (i) *Anglo-American Studentship* in Chemical Engineering. Open to candidates with Univ. degree, with Chemistry or Engineering as principal subject, and some industrial experience in Chemical Engineering. Normally tenable for 1 yr. £350 and remission of tuition fees. Renewable for a further yr. at £400.

(ii) *Research Studentship* in Oil Engineering and Refining, £240 p.a., and remission of tuition fees, tenable at Birmingham, renewable annually for not more than 3 further yrs. with increase of £20 p.a. to maximum £300. Candidates must possess a Univ. degree or equivalent in Science. Preference to those with industrial lab. experience. Offered every alternate yr. Next award will probably be made in 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.

[57] * † 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.

[58] * † ‡ BRITISH RAYON RESEARCH ASSOCIATION, 58 Whitworth Street, Manchester 1. *Technological Scholarships*, value £300 p.a., plus Univ. fees, for 2 yrs. Candidates must have good degrees, not necessarily, in Science. Study to be undertaken in Textile Chem., Textile Technol., Textile Engin. or Dyeing. Tenable at Leeds or Manchester Univ., or at other Univs. or technical colls. with appropriate facilities, or, in special circumstances, overseas. Application to the Secretary at the above address.

[59] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Coke Research Fellowship*, £350 for 1 yr., tenable at King's College. Open to graduates of any Univ. qualified for the prosecution of postgraduate research on a subject connected with the Coking Industry. Preference given to candidates who have signified their intention of entering the Coking Industry or, in the absence of such a candidate, to a person qualified for some other branch of the Fuel Industry. Applications to Registrar not later than May 1 in each year.

[60] * † ‡ 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.

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* † ‡ (vi) *International Wool Secretariat Scholarships* for research in the wool industry, £300 p.a., tenable in the Univ. for 1 yr., renewable. Open to graduates of any Univ. with suitable qualifications and to holders of the Diploma in Textile Industries of the Univ. of Leeds, and to Fellows and Associates of the Textile Institute. Applications should reach the Registrar not later than May 1.

* † ‡ (vii) *Bradford Dyers' Association Fellowships* in Dyeing and in Textile Finishing for research into properties of natural and synthetic fibres and the study of processes used in their treatment, £600 p.a., tenable in the Univ. for 2 yrs. in the first instance, renewable. Open to graduates in Chemistry, preferably Physical Chemistry, of any Univ. Applications to the Registrar.

* † ‡ (viii) *Procter Memorial Fellowship* for research in the leather or allied industries, £140 p.a., tenable at the Univ. for 1 yr., renewable for 1 yr.

* † ‡ (ix) *Boltonia Fellowship*, in Leather Industries Dept. Provided by Messrs. Bolton Leathers Ltd. £450-£600 for 3 yrs.

* † ‡ (x) *Dean Scholarships*, see under Econ. and Sociol. [118].

* † ‡ (xi) *Coal Tar Research Association Scholarships*. £325 p.a., tenable for 2 yrs. and renewable. Open to candidates with a good Honours degree in Fuel Chemistry, Physics or a subject related to Chemical Technology; in exceptional circumstances the award may be made to a non-graduate. For research in a subject connected with the Coal Tar Industry. Applications to Registrar by June 1.

* † ‡ (xii) *Smith-K.L.G. Research Scholarship* for res. on ceramic materials, particularly refractory oxides, £350 p.a., tenable for two yrs. and renewable. Open to candidates with a good Hons. degree in Fuel, Chemical Engin., Chem., Phys. or a subject related to Ceramic Technol.

Further particulars in each case from the Registrar.

[61] * † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7. (i) *North Thames Gas Research Fellowship*, £250. (ii) *Radiation Ltd. Fellowship*, £300.

Both (i) and (ii) are for research in carbonization, gaseous fuels and combustion, tenable for 1 yr., renewable for a further yr. in the Dept. of Chemical Engineering at Imperial Coll. Candidates should have qualified in Chemistry as principal, and Mathematics or Physics as subsidiary, 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.: (i) *Maclaren Cotton Industry Research Scholarship*. See Econ. and Sociol. [122].

* † ‡ (ii) *Wool Research Scholarships*. See Econ. and Sociol. [122].

[62] * † ‡ 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 [33].

[63] 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.

[64] * † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. A *Salters' Scholarship*, value £350-£500 p.a., with F.S.S.U. benefit, according to circumstances, for a graduate with an Honours degree in Chemistry or Physics (or a graduand) for the purpose of receiving full-time instruction in the principles of Chemical Engineering at an approved institution. Applications may be made at any time during the yr. Forms of application from Clerk of the Salters' Company, 36 Portland Place, W.1.

* † ‡ (ii) *Salters' Fellowship*, value £600 p.a., with F.S.S.U. benefit, for a graduate with the curriculum described under *Salters' Scholarship* above, for the purpose of his obtaining full-time instruction in the methods and practical conduct of research on some problem of Chemical Engineering at an approved Institution, at a level of research required for a higher degree.

Applications to the Clerk of the Salters' Company, Salters' Institute of Industrial Chemistry, 36 Portland Place, London, W.1.

[65] 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* [264].

Further particulars in each case from the Registrar.

[65A] † SHELL COMPANY OF AUSTRALIA, LTD. *Postgraduate Scholarship*. Awarded annually to a graduate of an Australian Univ. Value, £750 stg. p.a. Tenable at Oxford, Cambridge, or London Univ., with the object of obtaining the Ph.D. or a higher degree, 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 over 25 yrs. and British subjects who have read as a major subject Chemistry, Physics, Maths., Geology, 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 before July 19 each yr.

[66] * † ‡ 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.

[67] * † ‡ 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)

[68] * † ‡ 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.

[69] * † ‡ 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.

[70] * † ‡ 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 1953. Further particulars from the Master.

[71] * † ‡ 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 Scholarship*, see [13].

[72] * † ‡ 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].

[72A] 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 [308].

[73] * † ‡ 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.

[73A] † 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, 166 Marlborough Ave., Ottawa, Canada.

* † LEICESTER UNIV. COLL. *Research Scholarships and Postgraduate Studentships*, see under General [25].

[74] LONDON UNIV. : WARBURG INSTITUTE, South Kensington, S.W.7. * † ‡ (i) *Senior Research Fellowship*. £600 p.a. for 3 yrs. Research in the History of the Classical Tradition in Art, Literature, Religion, etc., and allied fields. Candidates must have higher degree (M.A. or Ph.D.), should have had teaching and research experience, should speak English, German, French or Italian, and know Latin. Applications to the Director, at above address.

* † ‡ (ii) *Junior Research Fellowship*, £275 p.a. for 2 yrs. Candidates must have degree in Humanities. Award primarily intended for candidates for a higher degree in Univ. of London (M.A. or Ph.D.), other particulars as above. Applications to the Director not later than April 15.

[75] * † ‡ 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.

[75A] * † ‡ NOTTINGHAM UNIV. (i) *Postgraduate Studentships and Research Fellowships*, see under General [33].

(ii) *Arts Research Scholarship*, £50 p.a. for 1 or 2 yrs. Open to graduates of any approved Univ. Holder must read for a higher degree in one of the depts. of Fac. of Arts. Applicants to Registrar, not later than July 1.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General [34].

[76] * † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES have announced particulars of *Postgraduate Studentships* in Oriental, Slavonic, East European, and African studies, to be awarded to men and women intending to follow a career of teaching and research in these studies in the U.K.

With exceptions where specially recommended, candidates must hold a first-class honours degree of a Univ. within the British Commonwealth. Awards will not ordinarily be made to candidates under 21 or over 27 yrs. of age. The period of the studentships is from 3 to 6 yrs., of which at least a third 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

[77] * † ‡ 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.

[78] 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 applics., April 1. Further particulars from the Secretary of the Fund, Royal Anthropological Institute, 21 Bedford Square, London, W.C.1.

[79] * † ‡ 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.

[80] * † OXFORD UNIV.: EXETER COLL. *Alan Collart 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)* [76].

Architecture, Art, and Archæology

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*, *see under Arts (General)* [70].

* † ‡ EDINBURGH UNIV. *Tweedie Exploration Fellowship* in Archæology, *see Anthropology* [77].

[80A] * † ‡ LEEDS UNIV. *Harold Tetley Postgraduate Studentship* in the History of Art in Yorkshire, value £200 p.a., tenable for 2 yrs.

[81] * † ‡ 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* [85]

* † ‡ LONDON UNIV.: WARBURG INSTITUTE. *Research Fellowships* in History of Art, etc. *See under Arts (General)* [74].

[82] 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 Montreal, McGill Univ., Univ. of Toronto, Univ. of Manitoba. Further information from The Registrar of the candidate's Univ.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under Arts (General)* [76].

Classics

[83] 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)* [70].

[84] * 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.

[85] * † ‡ 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.

[86] 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) [76].

English

* † ‡ CAMBRIDGE UNIV. : DOWNING COLL. *Graham Robertson Research Fellowship*, *see under* Arts (General) [70].

[87] * † ‡ 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) [220].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [76].

Hebrew (*see also* [103]-[108])

[88] LONDON UNIV. : UNIV. COLL. *Hollier Scholarship* in Hebrew. Value £55 a yr. for 2 yrs. Scholar must pursue a course of study and research for a higher degree at Univ. Coll. or, in exceptional circumstances, elsewhere. Applicns. to Coll. Registrar on or before May 15. Eligible for supplementation by Ministry of Education in certain circumstances.

History

[89] * † ‡ 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 Registry by June 8.

[90] * CAMBRIDGE UNIV. : GIRTON COLL. *Graduate Scholarship* for Historical Research, value £15-£60, tenable for 1 yr. at Girton. Usually open to women graduates of United Kingdom Universities. Offered from time to time.

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. *See under General.*

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas).* *See* [22].

* † ‡ LONDON MUSEUM. *Leverhulme Research Studentship, see under Art and Archæology* [81].

[91] LONDON UNIV.: INSTITUTE OF HISTORICAL RESEARCH, Senate House, London, W.C.1. * † ‡ (i) *Research Fellowships* in History, £275 or such smaller sum as will ensure that a holder's total income from scholarships is not less than £275 p.a., for 1 yr., renewable, tenable at the Institute. Open to graduates of any University.

Applications, on the prescribed form, should reach the Secretary before May 1 in each year.

* † ‡ (ii) *Lindley Studentship*, value £120 plus a Ministry of Education supplementary grant, awarded every 3rd yr. if there is a candidate of sufficient merit, for research in History to be undertaken at the Institute of Hist. Research. Open to both sexes: preference to a graduate of the Univ. or to candidate prepared to work for a higher degree of the Univ. Applications as for (i) before May 30, 1953.

* † ‡ LONDON UNIV.: KING'S COLL. *Ronald Burrows Memorial Prize, see under Classics* [85].

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Studentship* in Social and Economic History, *see under Economics and Sociology* [121].

[92] 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)* [74].

[93] 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 1953. Last date for applns., June 15. Further particulars from the Registrar.

* OXFORD UNIV.: WADHAM COLL. *Barnett Senior Scholarship* in Economics or Economic History, *see under* Econ. and Sociol. [125].

* † ‡ SHEFFIELD UNIV. *Knoop Research Fellowship* in Economic History, *see under* Economics and Sociology [126].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [76].

[93A] * † ‡ WALES, UNIV. OF: BANGOR UNIV. COLL. *Lloyd George Research Scholarship* for research in the history of Wales. Annual value about £70, renewable for 2nd yr. Preference to graduates of Univ. of Wales.

International Relations

[94] * † ‡ 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

[95] 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 £100, for 2, with possible extension to 3, yrs., tenable at Cambridge. Open to men and women graduates of any Univ. who are under 25. Applications to the Secretary of the Council, Trinity College, by March 1.

* † ‡ (iii) *Humanitarian Trust Studentship* in Public International Law. Next award early in 1953. Candidates must be under 32 yrs. on Jan. 2, 1953, 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 not later than Jan 1, 1953.

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. *Fellowship* in Scots Law, £250: *Scholarship*, £150. See under General [14].

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, see under General [18].

[96] * 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.

[97] * 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.

[98] 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 Scholarship*. See [13].

[99] 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) [213].

[100] * † ‡ 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) [220].

* GLASGOW UNIV. *Ferguson Scholarships*, see under Arts (Special Subjects)—Classics [84].

[101] * † ‡ MANCHESTER UNIV. *Bishop Harvey Goodwin Mathematical Scholarship*, £60-£70 (in special cases of greater value) for 1 yr., normally tenable at the above. Open to Hons. grads. in Maths. of Manchester or to other suitably qualified candidates intending to pursue Mathematical Research. Last date for applns., June 20. Due notice will be given of the next offer.

Further particulars from the Registrar.

ROYAL SOCIETY. *Yarrow Research Professorships*, see Science (General) [233].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships*. See under Applied Science and Technology [66].

Modern Languages

* CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND. See under General [14].

[102] * 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 [85].

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, see under Arts (General) [76].

Music

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*, see under Arts (General) [70].

* † ‡ EDINBURGH UNIV. *Richard Brown Scholarship*, see under General [18].

* GLASGOW UNIV. *McCaig Scholarship*, see under Arts (Special Subjects)—Modern Languages [102].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Traveling Scholarship* in Music, see Appendix III [325].

Oriental and African Studies (see also [88])

[103] * † ‡ 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 1953.

[104] * † ‡ 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.

[105] * † ‡ LONDON UNIV.: SCHOOL OF ORIENTAL AND AFRICAN STUDIES. *Forlong Scholarships*, maximum value £150, and/or *Exhibitions*, maximum value £50 p.a.; sometimes but not normally renewable; tenable at the School in any branch of Oriental Studies. Candidates must be persons of other than Asiatic origin. The number and amount of the awards are dependent on the funds available.

Further particulars may be obtained from the Secretary of the School, University of London, London, W.C.1.

[106] * † 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.

[107] * † 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.

[108] 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. The Studentship will not be vacant again till 1954.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [76].

Philosophy and Psychology

* † ‡ CAMBRIDGE UNIV.: DOWNING COLL. *Graham Robertson Research Fellowship*, *see under* Arts (General) [70].

[109] 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 [84].

[110] * † ‡ 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. Next award 1953-54.

Further particulars from the Registrar.

* † TREASURY COMMITTEE FOR STUDENTSHIPS IN FOREIGN LANGUAGES AND CULTURES, *see under* Arts (General) [76].

6. DENTISTRY

[111] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Parker Brewis Dental Research Scholarship*. Tenable for 1 yr. as from Aug. 1, renewable for 2nd and 3rd yrs. Open to graduates and licentiates in Dental Surg. who undertake to carry out research in dental subjects in the Sutherland Dental Sch. Further particulars from, and applicns. to, Dean of Med., before July 1.

[112] * 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 or 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

[113] * † ‡ 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.

[114] * † ‡ BRISTOL UNIV. *Ernest Taylor Fellowship* for research in a subject related to retail distribution, tenable in the first instance for 3 yrs. in the Department of Economics of the Univ., subject to annual renewal and extension; value £600 for the 1st yr., rising by annual increments of £50 during the period of occupation of the Fellowship to a maximum of £800. Open to graduates of any Univ. who have had either experience of statistical work or research under supervision in a subject within the field of Social Science.

Further particulars from the Registrar and Secretary.

[115] * † ‡ CAMBRIDGE UNIV. *Research Studentship* in Economics; value not less than £150 nor more than £400 p.a. Open to graduates, or persons about to become graduates, of any Univ. other than Cambridge. Awarded from time to time as funds permit. Applications to the Secretary, Board of Research Studies, by April 15.

[116] * † ‡ 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 Scholarship*. See [13].

[116A] † 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].

* † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. *Kemsley Fellowship*. See under General [17].

[117] 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. 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 [21].

† IMPERIAL ORDER DAUGHTERS OF THE EMPIRE. *Postgraduate Scholarships (Overseas)*. See [22].

[118] * † ‡ 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 Postgraduate Studentships*, see under General [25].

[119] 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.

[120] * † ‡ 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.

[121] * † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, Houghton Street, Aldwych, London, W.C.2. The following awards are open to graduates of any Univ.: (i) *Two Research Studentships*, £250 p.a., for full-time study, and (ii) one *Leverhulme Research Studentship*, £50 p.a., for evening study, supplemented in the case of full-time day students by a maintenance grant of £200 p.a.

Both (i) and (ii) are tenable at the School for 1 yr., for the execution of original work in the field of the social sciences, but (i) may be extended for a 2nd yr. Applications should reach the Registrar by Sept. 6 of each year.

(iii) A limited number of *Bursaries* equivalent to full fees to assist postgraduate students to proceed with research work at the School.

Candidates are required to show evidence of financial need. Applications should reach the Registrar by Sept. 6 of each year.

(iv) A *Studentship* for women, £75 p.a., plus fees, 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. Next award in June 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 £200 for 1 yr., may be awarded annually. Applications should reach the Registrar by Sept. 6 of each year.

Further particulars about these awards from the Registrar.

[122] MANCHESTER UNIV. * † ‡ (i) *Simon Research Fellowships*. One, or more, of the normal value of £1150, offered annually for full-time advanced study or research in the Social Sciences. Tenable for 1 yr. with possible extension to 2 and, in exceptional cases, to 3 yrs. Candidates should be of about 10 yrs.' standing from the date of their first degree. The Fellowships may be held wholly or partly in Manchester or may be used for travelling to any part of the world. Applications by March 1.

* † ‡ (ii) *Research Studentships* in Economic and Social Studies. Offered annually for competition of candidates who hold at time of election the degree of Bachelor or Master of any approved Univ. and tenable for 1 yr. with possible extension for a further 2 yrs. Value normally £250 in 1st yr. and £300 in 2nd and 3rd yrs., but graduates who have undertaken at least 1 yr.'s postgraduate research may be awarded a Studentship for 2 yrs. at £300 per annum. Holders are required to pursue full-time research in a subject within the purview of the Faculty of Economic and Social Studies, but may be asked to undertake a limited amount of teaching in the Univ.

* † ‡ (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 1953. 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 1953.

* † ‡ (vi) *Wool Research Scholarships* (2) for research in a subject bearing on wool. £300 for 1 yr., renewable. Last date for applications, April 30 in the year of award. These awards are normally tenable in the Univ. of Manchester.

Further particulars from the Registrar.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships and Research Fellowships*, see under General [33.]

[123] NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. † (i) *Dominion Travelling Fellowships*. See under General [34].

* (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. Applicants by May 1. Further particulars from Secretary at above address.

[124] 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.; applicants in May.

[125] * 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.

[126] * † ‡ 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) [76].

8. EDUCATION

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Professional Scholarship*. See [13].

[127] † IMPERIAL RELATIONS TRUST. *Fellowships* tenable at Univ. of London, Inst. of Education. About £550 for 1 yr. For teachers and educationists, likely in due course to occupy influential positions in the educational services of their respective Dominions. For each of 4 yrs., 1949-53, two each for Canada, Australia, New Zealand and South Africa. Applications to the Committee of Vice-Chancellors in the Dominion concerned.

* † ‡ LONDON UNIV. *Leon Fellowship* for research, see under Economics and Sociology [119].

[128] * † ‡ 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.

[129] * MINISTRY OF EDUCATION, Curzon Street, London, W.1. A number of special 1-yr. courses planned to provide advanced work in particular fields of education and intended to equip teachers of experience for more responsible posts are provided at certain Univs. and other training institutions. Admission is, in general, limited to Qualified Teachers of not less than 5 yrs.' teaching service, who are specially selected for their teaching ability and for their capacity to benefit from such a course. A special rate of grant, which is announced in an Administrative Memorandum issued annually by the Ministry, is available for these courses. Teachers should apply to their Local Education Authority for further particulars.

* † ‡ NOTTINGHAM UNIV. *Postgraduate Studentships and Research Fellowships*, see under General [33].

9. ENGINEERING (General)

[130] * † ‡ 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 [57].

[131] * † CAMBRIDGE UNIV. *Rex Moir Studentship* in Engineering, about £280 p.a. for 1 yr. with possible re-election on not more than two occasions, tenable normally at Cambridge, with leave elsewhere. Open to graduates of Univs. within the British Commonwealth. Forms of application and further particulars from the Secretary of the Dept. of Engineering Degree Cttee. of the Faculty of Engineering.

CAMBRIDGE UNIV.: ST. CATHARINE'S COLL. *Permutit Senior Studentship*. See under Science (Special Subjects)—Chemistry [251].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) [216].

[132] MANCHESTER UNIV. * † ‡ (i) *Osborne Reynolds Research Fellowship* for research in Engin. or in sciences most directly related thereto. £200 for 1 yr., renewable, normally tenable at the above. Open to graduates of any Univ. Applns. not later than May 1.

* † ‡ (ii) *Joseph Roberts Greatorex Scholarship* for research in Engin.,

£200 p.a., renewable for a 2nd yr. (value may be increased if funds allow), normally tenable at the above. Open to graduates of Manchester who have subsequently completed at least 1 yr.'s research in Engin. and to other suitably qualified candidates. Appln. not later than June 20 in the year of award. Next offer 1953.

Further particulars from the Registrar.

[133] * MINISTRY OF EDUCATION, Curzon Street, London, W.1. *Whitworth Senior Scholarships* (maintained by Sir Joseph Whitworth's Foundation). Two awarded each year, value £325 p.a., tenable for 2 yrs., for a course of further training in industry, or for research work. Open to students under 26 yrs. of age who hold an Engineering degree or recognized diploma of a Univ. or Coll. of Great Britain or Northern Ireland, or a Higher National Diploma or Certificate in Mechanical or Production Engineering, with at least two distinctions, or who are in the final year of study leading to one of these qualifications. Candidates are required to have been engaged in an engineering works for not less than 24 mos., and must submit a thesis to the Ministry, between March 1 and April 1, on one of a group of subjects. Regulations with syllabus obtainable (3d.) from H.M. Stationery Office, Kingsway, London, W.C.2.

ROYAL SOCIETY. *Yarrow Research Professorships* and *Warren Fellowships*, see Science (General) [233].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Engineering, etc., see Appendix III [325].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Engineering, see under Science (General) [219].

[134] † UNITED KINGDOM GOVT. *Athlone Fellowships*. 38 awarded annually to enable Canadian Engineering Graduates to take postgraduate training in the U.K. 28 are for graduates immediately after graduation, and 10 for graduates who have already spent some time in industry. Fellowships will cover costs of transport, fees, and maintenance and be tenable normally for a maximum period of 2 yrs. Available for one of the following options: (1) works training in one or more approved industrial organizations; (2) postgraduate studies in a U.K. Univ. or coll. or research establishment; (3) a combination of (1) and (2); (4) research in a U.K. Univ. leading to M.Sc. or Ph.D. Further particulars from, and applicns. to, the Registrar of candidate's own Univ.

[135] * † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships* in (a) Engineering and (b) Metallurgy, £450 to £600 p.a., tenable for 1 yr. but may be renewed for a 2nd yr. at the Coll. in *either* the Dept. of Engineering *or* the Dept. of Metallurgy. Candidates should have qualifications in Maths., Physics, Chem., Engin., or Metallurgy.

10. ENGINEERING (Special Branches)

Aeronautics

[136] BUSK TRUSTEES. *Busk Studentship* for research in Aeronautics. Value about £300 p.a., tenable for 1 yr. with possible renewal for 2nd yr.

Open to British subjects (not of Asiatic or African descent) under 25. Tenable at home or abroad subject to Trustees' approval. Applications to be received by the end of May.

Further particulars from Prof. Sir Melvill Jones, Engineering Laboratory, Cambridge.

[137] ROYAL AERONAUTICAL SOCIETY, 4 Hamilton Place, London, W.1. *Royal Aeronautical Society Charter Scholarship*. One or more scholps. may be awarded annually to assist students wishing to undertake advanced work or study in aeronautics. Value up to £300 p.a., tenable for 1 yr. with possibility of renewal for a 2nd yr. Further particulars from the Secretary at above address.

* ROYAL COMMISSION FOR THE EXHIBITION OF 1851. *See under Naval Architecture and Marine Engineering* [146].

* SIR JAMES CAIRD'S TRAVELLING SCHOLARSHIPS TRUST. *Travelling Scholarships* in Aeronautics, etc. *See Appendix III* [325].

Agricultural Engineering

[138] * † ‡ DURHAM UNIV.: KING'S COLL., Newcastle upon Tyne. (i) *David Brown Scholarship*, £200 p.a. for 2 yrs. Open to graduates in Engineering of any recognized Univ. who have already fulfilled, or have been finally exempted from, Military Service obligations. Scholarship holders must engage in full-time study in the postgraduate course in Agricultural Engineering at King's Coll. and in such vacation work as from time to time may be laid down.

* † ‡ (ii) *Harry Ferguson Scholarships* (2), £250 p.a., tenable for 2 yrs. Open to graduates in Agric. or Mech. Engineering who have already fulfilled, or have been finally exempted from, Military Service obligations. Scholarship holders must engage in full-time study in the postgraduate course in Agric. Engineering at King's Coll. and in such vacation work as from time to time may be laid down.

Applications to Registrar not later than July 15 in each year.

Chemical Engineering

See Science (Special Subjects) [245]-[249]

Civil Engineering

[139] * † ‡ LEEDS UNIV. *Cement and Concrete Association Scholarships*. For research in Civil Engineering, £190-£200 with fees p.a., tenable in the Univ. for 2 yrs. Open to suitably qualified graduates of any Univ. Application should reach the Registrar by June 1.

[140] LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY.

* † (i) *Concrete Technology Bursaries*, tenable for 1 yr., renewable for 2nd yr. Value, £350. 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.

Electrical Engineering

[141] * † 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.

[142] * 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.

[143] * † ‡ 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.

[144] * † ‡ 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 1953.

Mechanical Engineering

[145] BIRMINGHAM UNIV. * † (i) *Jas. Watt Fellowship* in Mech. Engin., £450, tenable for 1 yr. in the Dept. of Mech. Engin., renewable. Candidates should be Hons. graduates in Engin. of a British Univ. Preference to those who have had at least 1 yr.'s experience of postgrad. research.

* † ‡ (ii) *Jas. L. Norton Memorial Studentship*, £220-£260, with remission of tuition and examination fees, tenable for 1 yr., preferably in

the Univ. for whole-time study of motor-cycle engin. problems. Open to graduates of any University.

Further particulars from the Registrar.

See also Applied Science and Technol. and Engineering, General.

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships.* See under Applied Science and Technology [66].

Mining and Mining Engineering

ROYAL SOCIETY. *Tyndall Research Fund*, see Science (General) [233].

Naval Architecture and Marine Engineering

[146] INSTITUTION OF NAVAL ARCHITECTS, 10 Upper Belgrave Street, London, S.W.1. * (i) *Sir William White Postgraduate Scholarship* (part-time) in Naval Architecture (incl. Shipbuilding and Marine Engin.), £150 p.a. for 2 yrs., awarded biennially. Other professional work may be carried on concurrently, subject to Council's approval. Open to British students under 30 yrs. of age who have attained distinction at either the R.N. Coll., Imperial Coll. (City and Guilds Engin. Coll.), Glasgow Univ., King's Coll., Newcastle upon Tyne or Liverpool Univ., and have had practical experience in shipbuilding or marine engin. work. Holder required to engage in research work at some approved Institution, at home or abroad, where special facilities are available for advanced study in Naval Architecture (in which term are included Shipbuilding and Marine Engineering). Nominations are made by the Governing Bodies of the above instns. to the Council of the Instn. of N.A.

* † ‡ (ii) *Aluminium Development Association Research Scholarship* in the Application of Light Alloys to Ship Construction. £400 p.a. for 2 yrs., awarded biennially. Open to graduates in Applied Science of an approved Univ., and preferably under 30 yrs. of age, who comply with the conditions for admission to the Institution of Naval Architects. Holder required to pursue research at some approved institution, Univ., shipyard, or works. Forms of application available from the Secretary, Institution of Naval Architects.

* (iii) *Froude Research Scholarship in Naval Architecture.* This scholarship of the annual value of £500, tenable for 2 yrs. or possibly a 3rd yr., is to enable British subjects normally under the age of 30, who have shown unusual promise in the study of Naval Architecture, to carry out research at the National Physical Laboratory, Teddington. The scholarship is awarded through the Institution of Naval Architects, and applications must be supported by the head of the appropriate dept. of the Univ. from which the candidate has graduated.

Further information may be obtained from the Secretary, Institution of Naval Architects.

* (iv) *The Royal Commission for the Exhibition of 1851. Postgraduate Scholarship* in Naval Architecture to enable British subjects normally under the age of 30, who have shown unusual promise in the study of Naval Architecture, Aeronautics, or the Mechanical Sciences, to carry out research in problems connected with the design and construction

of ships, their machinery or equipment, and/or to investigate the development of the shipbuilding and allied industries at home and abroad. Open to candidates qualified in Naval Architecture from R.N. Coll., Greenwich, the Univs. of Glasgow, Liverpool and Durham (King's Coll., Newcastle upon Tyne), and to candidates qualified in Aeronautics or Mechanical Sciences from any Univ. institution in the U.K. The nominations are reported on by the Council of the Institution of Naval Architects.

The value of the Scholarship is £500 p.a., but this may be modified if other awards are held concurrently. Tenable for 2 yrs., and in special circumstances 3 yrs., at any approved institution, firm, or establishment at home or abroad.

Further information from the Secretary, Institution of Naval Architects, 10 Upper Belgrave Street, London, S.W.1.

II. FISHERIES

[147] * † ‡ DEVELOPMENT COMMISSIONERS, 6A Dean's Yard, Westminster, London, S.W.1. *Postgraduate Training Grants* in Fishery Research are offered in association with the Ministry of Agriculture and Fisheries and the Scottish Home Department.

These Grants are intended to enable selected candidates to undergo a specified course of training to fit them for the investigation of problems in marine or freshwater science. The course of training will not, as a rule, be such as to make it possible for the holder of an award to qualify at the same time for a higher degree (Ph.D.). The awards do not carry with them any guarantee of subsequent employment in connexion with fishery research, nor do they entail any obligation to accept such employment; but the training which students will receive should fit them for employment either in the Fishery Research Services of the Ministry of Agriculture and Fisheries and the Scottish Home Department or in a Marine or Freshwater Biological Research Institute.

Applications, to be submitted by a senior member of the candidate's Department in the Univ., should be received by the Development Commission, usually in the spring. Provisional applications may be made on behalf of candidates who have not yet sat their final examination or who have not yet been informed of the result thereof.

The number of Training Grants awarded in 1951 did not exceed five. Both men and women are eligible to apply, although women are unsuitable for employment in the marine research services of the Ministry of Agriculture and Fisheries and the Scottish Home Department, which involve sea-going duties. Opportunities for the employment of women may arise, however, in certain of the Marine or Freshwater Biological Institutes.

Candidates must be *British* subjects and graduates with Honours in Science of a Univ. or possess equivalent qualifications.

The value of the Training Grant will depend on the centre at which training is undertaken, but will not be less than £250 nor exceed £350 per annum, free of Income Tax; for students with 2 yrs.' post-graduate experience, the value of the award will be increased. An additional allowance will be made in respect of Univ. fees, etc., com-

pulsorily incurred, and an allowance not exceeding £10 in all for the purchase of approved text-books will also be granted. The Training Grants will be tenable for from 1 to 3 yrs. and will be renewable annually. In some circumstances there may be special allowances for male students who are married.

Forms of application and copies of the Regulations governing the awards may be obtained from the Secretary, Development Commission.

The Commissioners are also prepared to consider applications for additional grants for temporary assistants and for apparatus, etc., to enable members of the staff of a Marine Institution to prosecute special lines of enquiry.

[148] * 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.

[149] * † 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)

[150] * † 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.

[150A] † 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* [294].

[151] * † ‡ 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 H.M. Dominions, Protectorates and Mandated Territories, India, Pakistan and the Republic of Ireland; also to women who have passed the exams. 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.

[152] * BRITISH MEDICAL ASSOCIATION, British Medical Association House, Tavistock Sq., London, W.C.1. (i) *The Ernest Hart Memorial Scholarship*, (ii) *The Walter Dixon Memorial Scholarship*, annual value of each not more than £250. (iii) At least one other *Research Scholarship*, of not more than £200.

Each Scholarship is tenable for 1 yr. commencing Oct. 1, with possible reappointment for not more than 2 addnl. terms. Open to candidates recommended by the Science Committee as qualified to undertake research in any subject (incl. State Med.) relating to the causation, prevention, or treatment of disease. Preference given to members of med. profession. 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. apptmt. at a Univ., Med. Sch. or Hosp., provided the duties of such apptmt. will not, in the opinion of the Science Cttee., interfere with his work as a scholar. Another scholp. may be held concurrently.

(iv) *The Insole Scholarship* to the value of £250 awarded biennially for research into the causes and cure of venereal diseases.

Applications for any of the above to be made on prescribed form to be obtained from the Secretary. Closing date for receipt of applications is March 31.

[153] 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) *Gwynneath 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 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 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* General [14].

[154] * † ‡ 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.

[155] * † ‡ 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.

[156] GROCERS' COMPANY. *Scholarship*. Under review. Apply for information to the Clerk, Grocers' Hall, Princes Street, London, E.C.2.

[157] * † ‡ LONDON UNIV. *Mary Scharlieb Research Studentship* for postgraduate medical research, £250 for 1 yr., renewable for 2nd yr., tenable at a place approved by the Univ. Open to graduates of London who are registered medical practitioners or qualified to undertake research. Awarded from time to time. Applns. to Academic Registrar by Feb. 28, year of issue.

POSTGRADUATE AWARDS, MEDICINE (General) 1523

[158] * † LONDON UNIV.: BRITISH POSTGRADUATE MEDICAL FEDERATION, Central Office, 3 Gordon Square, London, W.C.1. *Postgraduate Travelling Scholarships*. A limited number awarded annually to enable graduates to study and undertake research in one of the pre-clinical or clinical branches of Medicine, 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 an appointment or are engaged in postgraduate study at one of the 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.

[159] * † ‡ 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.

[160] * † ‡ 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.

[161] * † ‡ LONDON UNIV.: ROYAL FREE HOSPITAL SCHOOL OF MEDICINE, 8 Hunter Street, London, W.C.1. *Dr. Edith Pechey Phipson Postgraduate Scholarship* in Medicine. £95 for 1 yr. with possible renewal for 2 further yrs. Tenable at any institution approved by the Trustees. Open to all medical women, with preference to those from, or going to work in, India or Pakistan. Forms of application to be obtained from, and sent in by Feb. 1 each yr. to, the Warden and Secretary at the above address.

[162] * † ‡ LONDON UNIV.: ST. MARY'S HOSPITAL MEDICAL SCHOOL, Norfolk Place, Paddington, W.2. *Medical Research Fellowships* (3) for postgraduate medical research, £500 for 1 yr., in any of the pre-clinical or clinical depts. Open to registered medical practitioners. Applications by April 30 to the Secretary.

[163] * 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 sent in by Sept. 1. each yr.

to, Mitchells, Johnston & Co., Solicitors, 160 West George Street, Glasgow, C.2.

[164] MEDICAL RESEARCH COUNCIL, 38 Old Queen St., Westminster, S.W.1, formerly the Medical Research Committee established in 1913 under the Nat. Health Insurance Act, transferred by Royal Charter, 1920, to a Committee of the Privy Council. They apply money voted by Parliament or received from private sources for the furtherance of medical research.

* † ‡ (i) *Research grants* are made to qualified investigators in respect of approved programmes of work to be carried out in Univs., Medical Schools, Hospitals or other institutions. Grants may be either personal, *i.e.* to provide remuneration in respect of whole-time or part-time work devoted to particular subjects approved by the Council, or for expenses necessarily incurred in the prosecution of the approved researches.

* (ii) In addition, the Council award *Postgraduate 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.

* (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.

[165] NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. * (i) *Medical Fellowships*. Open to citizens of the U.K. (usually aged 25-35) holding Univ. degrees in Medicine registrable in the United Kingdom, and M.R.C.P. or F.R.C.S. diploma, who wish to train further for sr. appointments in teaching or research. Preference to those wishing to specialize in child health, psychiatry, social medicine, industrial health or chronic rheumatism. Tenable anywhere, from 1 to 3 years. Value £900-£1300 p.a. and travelling expenses.

Further particulars from the Secretary.

† (ii) *Dominion Travelling Fellowships*, see under General [34].

[166] 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.

[167] * 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 gynaecology.

(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.

[168] 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) *Streetfeild 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.

[169] * † ROYAL COLL. OF PHYSICIANS OF LONDON AND ROYAL COLL. OF SURGEONS OF ENGLAND. *Mackenzie Mackinnon Research Fellowship* for scientific medical investigation in any laboratory approved by the joint committee. For 1-3 yrs. Open to holders of med. qualification registrable in Gt. Britain or Ireland, or of a Univ. degree, nominated by a Med. School. Application to Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

[170] ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2.

* † ‡ (i) *Sir Arthur Sims Commonwealth Travelling Scholarship*, £2000 p.a. A Commonwealth Professor will be appointed annually and will generally be a prominent physician, surgeon or scientific worker resident in Gt. Britain or in Australia or New Zealand. A distinguished teacher

from one of the other Dominions may be elected. He will be required to travel from the country where he is normally resident to Gt. Britain, or to Australia and N.Z., or to any other Dominion of the British Commonwealth, for the purpose of assisting in the advancement of medical science either by lecturing, teaching or engaging in research.

It is the hope of the donor, Sir Arthur Sims of Christchurch, N.Z., that the institution of the Professorship will not only lead to the establishment of closer links between scientific workers in the Dominions and in the older seats of learning and centres of research, but that the people of all nations will benefit.

The appointment is made by the Royal Coll. of Surgeons of England on the nomination of the President, who is Chairman of an Advisory Board consisting of the Presidents of the Royal Coll. of Physicians of London, the Royal Coll. of Surgeons of England, the Royal Australasian Coll. of Physicians, and the Royal Australasian Coll. of Surgeons.

* † (ii) *Leverhulme Research Scholarships* (2), £400 p.a. plus £100 for expenses, for research in some biological or clinical problems of disease in man, either at the Buckston Browne Surgical Research Farm, Downe, Kent, or at the Coll. Laboratories, tenable for 1 yr., renewable. Open to British subjects holding a med. qualification registrable in the U.K. or a Univ. degree.

* † (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.

[171] 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) [233].

[172] 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.

[173] 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

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Science (Special Subjects)—Biochemistry [238]

[174] * † ‡ 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 [177].

[175] ‡ LIVERPOOL UNIV. *John W. Garrett International Fellowship* in Bacteriol., about £400 for 1 yr., offered annually, renewable for 2nd yr. Failing a candidate in Bacteriol., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Univs. and Med. Schools in the U.S.A., and of other foreign Schools. In default of such candidates, graduates in Med. (Liv.) and graduates in Sci. of approved Univs. are eligible. Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or in other institutions approved by the Fac. of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 30.

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Science (Special Subjects)—Biochemistry [238].

[176] * † LONDON UNIV. : LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. *The Jenner Memorial Research Studentship*, £300 for 1 yr. with possible extension for 2nd yr., tenable at the above Institute. Open to British subjects. Vacancies advertised in medical journals.

* ROYAL COLL. OF PHYSICIANS, Edinburgh. *Lister Fellowship*, see Medicine and Surgery (General) [167].

Biochemistry

See Science (Special Subjects) [237]-[239].

Cancer

[177] * † 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.

[178] * † 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 1951 these grants totalled over £190,000. 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.

[179] * † LEEDS UNIV. *Cancer Research Fellowships* given through Yorkshire Council of the British Empire Cancer Campaign. 3 in number, value not exceeding £500. Tenable in the Univ. of Leeds for 1, 2, or 3 yrs., renewable. Vacancies announced as they occur.

[180] * † ‡ 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.

[181] * † ‡ 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.

[182] * † ‡ ROYAL COLLEGE OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. *Prophit Studentships* (2), £500 p.a., with a possible additional grant of £200 towards expenses, are awarded by Special Trustees on the recommendation of the Royal Coll. for research in cancer at any approved institution; tenable in the first instance for 1 yr., renewable up to a maximum of 5 yrs. Open to qualified graduates of any Univ.

Further particulars from the Secretary.

Cardiology

* † ‡ LONDON UNIV. *Wiltshire Memorial Research Scholarship*, see under Medicine and Surgery (General) [160].

Diseases of Children

[183] * † ‡ LIVERPOOL UNIV. *Ridgway Research Scholarship*, value about £400, tenable for 1 yr., renewable for a 2nd yr., for research in some branch or branches of Tuberculosis or crippling diseases of children. The Fellow must be a graduate in Med. of an approved Univ. (or hold a registrable qualification). Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Application, stating academic career and subject of proposed investigation, to be sent to the Dean of the Fac. of Med. not later than June 30.

[184] * † ‡ MANCHESTER UNIV. *Ashby Memorial Research Scholarship* in Diseases of Children. £100 offered triennially, normally tenable at the above. Open to any Med. practitioner registrable in England. Next offer 1953. Last day of entry, June 30.

Further particulars from the Registrar.

Neurology and Psychiatry

[185] * † ‡ 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.

[186] * † ‡ 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.

[187] 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.

[188] * † ‡ 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 1953. Applications not later than June 1.

Further particulars from the Registrar.

[189] 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: Neuro-pathology. 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.

[190] * † ‡ 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

[191] * † ‡ 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

[192] * † 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.

[193] * † 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

[194] * † LONDON UNIV.: GUY'S HOSPITAL MEDICAL SCHOOL. *Lambrinudi Memorial Scholarship* for postgraduate study, or travel or research work in Orthopædic Surgery. Value, £100. Awarded once every 3 yrs. to a candidate who has held the post of Orthopædic Registrar in a Teaching Hospital in Gt. Britain or in the British Dominions or in other parts of the British Empire.

[195] * † ‡ ROYAL COLL. OF SURGEONS and UNIV. OF LIVERPOOL and LIVERPOOL MEDICAL INSTITUTION. *Robert Jones Travelling Research Fellowship* in Orthopædic Surgery, £300 p.a., tenable for 1 yr., of which a part must be spent abroad, is awarded once every 4 yrs. alternately by (a) the Univ. of Liverpool and the Liverpool Medical Institution jointly, and (b) the Royal Coll. of Surgeons of England.

Further particulars from the Secretary, Royal Coll. of Surgeons, Lincoln's Inn Fields, London, W.C.2.

Oto-Rhino-Laryngology

[196] * † ‡ 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

[197] * † ‡ 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 [177].

[198] * † 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.

[199] 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].

[200] * † ‡ 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.

[201] * † ‡ LONDON UNIV. *Charles Graham Medical Research Fund*. A Scholarship in Pathology, value not exceeding £400 p.a. for 2 yrs., is awarded from time to time "to enable a young man to continue his pathological researches, and at the same time to secure his services to the School of Advanced Medical Studies connected with Univ. College Hospl. as a Teacher under the direction of the Prof. of Pathology." Applicants should give names of 3 referees, including a Teacher of the Univ. or Coll. in which he has conducted his studies in Pathology.

The Scholar is required to undertake teaching as well as research work. Applications to the Academic Registrar.

* † LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under Science (Special Subjects) —Biochemistry [238].

[202] * † ‡ 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.

[203] * † ‡ 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 [274], [275])

[204] * † ‡ 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.

[205] * † ‡ MANCHESTER UNIV. *Sybil Mary Pilkington Fellowship* for research into diseases of the blood with particular reference to the causation, treatment and cure of leukæmia in man. £400 p.a., renewable for 2nd yr. or more, normally tenable at the above. Open to persons who have obtained a medical qualification registrable in the U.K., the Dominions or any other country. Last date for applications, June 1. Offered annually.

Further particulars from the Registrar.

* † ‡ ROYAL SOCIETY. *Locke Research Fellowship*. See under Science (General) [233].

Preventive Medicine

[206] * † ‡ LONDON UNIV. *A. H. Bygott Scholarship*. 1 offered annually for the course for the Academic Diploma in Public Health. Value £200 with remission of tuition fees. Eligible for supplementation by Ministry of Education in certain circumstances.

The Scholp. is tenable at the London School of Hygiene and Tropical Medicine. Applicants must be registered medical practitioners. Preference given to those who are engaged in or intend to enter British

local government public health service and to those who hold short-term service commissions in H.M. Forces. Last date of application, June 15 in yr. of award. Applications to Dean, London School of Hygiene and Tropical Medicine, Keppel St., London, W.C.I.

[207] * † ‡ LONDON UNIV. : LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.I. (i) *Chadwick Bursary*, to encourage the study of Sanitary Science or Municipal Engineering. The recipients will be awarded a place in the course of study for the Academic Postgraduate Diploma in Public Health. Value £56 : 14s., the fee for the course. Not awarded annually.

(ii) *Elliston Scholarships*. 2 Scholps., tenable at the L.S.H.T.M., may be offered for the session 1953-54 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.

[208] MANCHESTER UNIVERSITY. * † ‡ (i) *Sheridan Delépine Research Fellowship* in Preventive Medicine, £300 annually, normally tenable at the above. Open to graduates in Med. of any approved Univ. or to med. practitioners with approved registrable qualifn. Next offer 1953. 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 1953. Last date for applns., June 1.

Further particulars from the Registrar.

Tropical Medicine and Hygiene

[209] LONDON UNIV. : LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, Keppel Street, London, W.C.I.

* † ‡ (i) *Wandsworth Scholarship* for research in Trop. Med. and Hygiene, £300 p.a., plus overseas allowance, for 1, 2 or 3 yrs. Preference given to a British subject.

* † ‡ (ii) *Tropical Diseases Research Fund*. This fund exists for the purpose of research work at home or abroad by the School in connexion with investigation into tropical diseases. Capital £27,000; income available about £1000 p.a. Grants both of capital and income are applied to specific research in trop. diseases from time to time.

* † ‡ (iii) *Edward John Stanley Memorial Fund* (1909). Founded by the late Lord and Lady Sheffield. Capital £1700; the accumulated income is applied periodically, at the discretion of the Board of Management, in aid of specific pieces of research in trop. diseases.

* † ‡ (iv) *Avebury Memorial Fund*. Income approximately £80 p.a. for the creation of studentships or the making of grants for special research work in the subject of Entomology.

* † ‡ (v) *Andrew Balfour Memorial Fund*. Available for the payment, or partial payment, of fees for a student wishing to attend an organized course of study in the School (usually the Diploma in Tropical Medicine and Hygiene course) but unable to do so for financial reasons.

* † ‡ (vi) *Mansfield Aders Scholarships*. A reserve fund, arising out

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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 [183].

[210] * † ‡ 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

[211] * † ‡ 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

[212] * † ‡ 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)

[213] * † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, Mathematics or Natural Philosophy, maximum value of £300 p.a. for 1 yr., tenable within the Univ. Open to graduates of any British Univ. who are Protestants.

Further particulars from the Secretary.

[214] * † ‡ BEIT FELLOWSHIP FOR SCIENTIFIC RESEARCH. Founded by the late Sir Otto Beit, Bart., K.C.M.G., F.R.S., in 1913 for advancement of Science by means of research. At present £500 p.a. for 2 yrs. subject to report at end of 1st yr. Tenable at Imperial Coll. of Sc. and Tech., London, under supervision of a Prof. Fellow is required to devote his whole time to research and to hold no appointment, paid or unpaid, without sanction of the Trustees. Open to men or women under 25 yrs. of age, of European descent by both parents, who have taken a degree in any Univ. in the Commonwealth, or Diploma or Associateship of any Coll. approved by the Trustees. Not open to holders of any other Scholarship or Fellowship. Elections, advertised at least 3 mos. in advance, are made annually in July. Applications (on prescribed form) should give full information as to qualifications, previous career, general character of proposed research, whether applicant has private means sufficient to carry on the research for 2 yrs. without aid of Fellowship, names of not more than 3 referees, including one on the staff of the Univ. or Coll. or a Coll. of the Univ. at which the degree, etc., was obtained. Testimonials should not be sent. Capacity for research, personal record, and importance of proposed research will be taken into consideration. Enquiries may be addressed to the Registrar of the Imperial Coll., South Kensington, London, S.W.7.

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*. See under Medicine and Surgery (Special Subjects)—Pathology [198].

* † ‡ BIRMINGHAM UNIV. *Imperial Chemical Industries Fellowships*, as under Cambridge Univ. below [216].

[215] * 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.

[216] * † ‡ CAMBRIDGE UNIV. (i) *Imperial Chemical Industries Fellowships* in Physics, Chemistry, Engineering, Metallurgy, Pharmacology, Chemotherapy, Physical Chemistry, Biochemistry, Colloid Science, £600-£900 p.a., not exceeding 5 yrs. in all, tenable at Cambridge and also at the Univs. of Birmingham, Durham, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, Oxford and Wales.

Applications should be lodged by April 30 with the Registrar or Secretary of the Univ. at which it is desired to hold the Fellowship. 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.

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[217] 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 Studentship* for research in Mathematics, Natural Sciences, and Geography, value £15-£60 each, tenable for 1 yr. at Girton. Usually open to women graduates of any Univ. One or more offered annually. Closing date usually May 20.

* † ‡ (iii) *Ethel Sargant Studentship*. See under Science (Botany) [243].

Further particulars from College Secretary.

† CANADIAN FEDERATION OF UNIVERSITY WOMEN. *Travelling Scholarship*. See [13].

* CARNEGIE TRUST FOR THE UNIVS. OF SCOTLAND. See General [14].

[218] * 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 maintenance allowances or grants for special researches must be normally resident in Great Britain; Senior Research Awards are available to candidates normally resident in the United Kingdom. Full particulars are given in the pamphlet, *Notes on Grants Awarded by the Department of Scientific and Industrial Research to Research Workers and Students*, obtainable from H.M. Stationery Office, York House, Kingsway, London, W.C.2, price 6d.

* † ‡ DEVELOPMENT COMMISSIONERS. *Postgraduate Training Grants in Fishery Research*, see under Fisheries [147].

[219] DURHAM UNIV. * † ‡ (i) *Imperial Chemical Industries Fellowships*, as under Cambridge Univ. [216].

* † ‡ (ii) *Turner and Newall Fellowships* for research in Engineering, Inorganic Chemistry or Physics, or in an allied science, normally £600 p.a. for 3 yrs., renewable up to 3 further yrs., tenable in the Durham Colls. or King's Coll., Newcastle upon Tyne, and also in the Univs. of Leeds, London and Manchester. Open to men and women graduates of any Univ. qualified to undertake research.

Applications by April 30 to the Registrar (for London, the Academic Registrar) of the Univ. at which it is desired to undertake research.

[220] * † ‡ 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.

[221] 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.* [216].

* † ‡ (iii) *Richard Brown Scholarship, see under General* [18].

[222] * † ‡ EXETER UNIV. COLL. OF THE SOUTH-WEST OF ENGLAND. *Andrew Simons Graduate Scholarship* in Science, normally not exceeding £200, tenable at the Coll. and restricted in the first instance to graduates of the Coll. Failing suitable candidates, it may be awarded to graduates of any recognized Univ.

Further particulars from the Academic Secretary.

* † ‡ GLASGOW UNIV. *Imperial Chemical Industries Fellowships, as under Cambridge Univ.* [216].

[223] * † ‡ 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.

[224] * † ‡ 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.

[225] 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.* [216].

* † ‡ (iii) *Turner and Newall Research Fellowships, as under Durham Univ.* [219].

Further particulars from the Registrar.

* † LEICESTER UNIV. COLL. *Research Scholarships and Post-graduate Studentships, see under General* [25].

* † ‡ LIVERPOOL UNIV. *Imperial Chemical Industries Fellowships, as under Cambridge Univ.* [216].

[226] 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.* [216].

* † ‡ (iv) *Turner and Newall Research Fellowships, as under Durham Univ.* [219].

Further particulars in each case from the Academic Registrar, Univ. of London, Senate House, London, W.C.1.

[227] MANCHESTER UNIV. * † ‡ (i) *Imperial Chemical Industries Fellowships, as under Cambridge Univ.* [216].

* † ‡ (ii) *Turner and Newall Research Fellowships, as under Durham Univ.* [219].

* † (iii) *Research Studentships* in Science. Offered annually for competition of candidates who hold at time of election the degree of

Bachelor or Master of a British Univ. other than Manchester. Normal value £300 per annum, and normally tenable for 3 yrs. for full-time research, leading to a higher degree of Manchester Univ. in a subject within the purview of the Faculty of Science. Holders may be permitted to undertake a limited amount of teaching in the Univ. Applications by July 1.

* † ‡ (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 1953.

Further particulars from the Registrar.

[228] † NEW ZEALAND DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. (i) *National Research Scholarships*, v. Appendix III [319]. (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.

[229] NOTTINGHAM UNIV. * † (i) *Carr Scholarship* for research in Geology, Botany or Entomology, £250 p.a., tenable at the University for 1 or 2 yrs. Open to graduates of Univs. in Gt. Britain and Ireland and of British Univs. overseas.

* † ‡ (ii) *Postgraduate Studentships and Research Fellowships*, see under General [33].

Further particulars from the Registrar.

† NUFFIELD FOUNDATION. *Dominion Travelling Fellowships*, see under General [34].

[230] OXFORD UNIV. * † ‡ (i) *Imperial Chemical Industries Fellowships* in Physical Chemistry, Biochemistry, Colloid Science, Chemotherapy, Pharmacology, Engineering or Metallurgy, or any other subject which, in the opinion of the Cttee., is related to the study of Chemistry or Physics. Stipend £600-£900 p.a., the length and conditions of tenure being determined by the Cttee. Further particulars from the Registrar, University Registry, Oxford.

* † ‡ (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.

[231] 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., Eire, and India and Pakistan, 1 each) are offered annually; recommendations for Scholarships offered for 1953 receivable by March 21 from the following Univs.: Alta., B.C., Dal., Laval, McG., McM., Manit., Queen's (Ont.), Sask., Tor., W. Ont. and any of the Univs. of Australia, N.Z., S. Africa, India and Pakistan possessing postgraduate departments of science. A Scholar is not permitted to hold any position of emolument likely to conflict with the devotion of his whole time to the objects of the Scholarship, nor to accept any additional emoluments without the previous consent of the Commrs. Women are eligible on equal terms.

* (ii) *Senior Studentships* (4), each of £600 p.a., with supplements in certain cases, for 2 yrs. or, in special cases, for 3 yrs.; open to British subjects not (except in very special circumstances) more than 30 yrs. of age, on recommendation, receivable up to May 1, by Profs. and Heads of Depts. through the executive authorities of such Univ. and other institutions as may be invited by the Commrs. to nominate; tenable at any instn. 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.

[232] * † ‡ 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.

[233] ROYAL SOCIETY, Burlington House, Piccadilly, London, W.1.

* † (i) *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) *Yarrow Research Professorships* for research (whole-time) in Math., Physical, Chemical or Engineering Sciences. Value £1000-£1600 p.a., tenable at a Univ. or other place to be approved by the President and Council of the Royal Society for a period of 5 yrs., the appointments being renewable for further successive periods of 5 yrs.

* † ‡ (iii) *Mackinnon Research Studentship* for "furthering Natural and Physical Science, including Geology and Astronomy, and . . . original research and investigation in Pathology," £500 p.a., tenable at any place approved by the Council of the R.S., in the first instance for 2 yrs., but renewable in exceptional cases from year to year. Open to graduates of any Univ.

* † (iv) *Smithson Research Fellowship* in Natural Science. The Royal Society hold the capital of the Fund in trust. The income is administered by a Joint Committee of the Society and the Univ. of Cambridge. The Fellowship, £900 p.a. with superannuation provision, is open normally to British subjects of either sex, including subjects of the Dominions and Colonies; but the Committee may, in special circumstances, invite a foreigner of scientific distinction to apply. Preference to candidates not over 35 yrs. of age. The holder will work in the Univ. of Camb. if appropriate laboratory accommodation is available. Appointment for 4 yrs. in first instance, may be renewed annually up to maximum period of 8 yrs.

* † ‡ (v) *Sorby Research Fellowship* for original scientific research, £1100 p.a., tenable ordinarily in the Univ. of Sheffield for 5 yrs., renewable for further periods. No permanent duties outside the research work may be undertaken. Appointments are made by a Committee composed of 4 persons appointed by the Council of the R.S. and 3 appointed by the authorities of the Univ. of Sheffield.

* † ‡ (vi) *Locke Research Fellowship* for research in the general field of experimental physiology and pharmacology; £1250 p.a., tenable at any place approved by the Council of the Royal Society, in the first instance for 2 yrs., but may be renewed annually for such periods as Council may determine. Open to graduates of any Univ.

* † ‡ (vii) *Stoithert 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.

* † ‡ (viii) *E. Alan Johnston, Lawrence and Mosely Research Fellowship* (income not less than £500 p.a.) for increasing the knowledge of the causes of disease and conditions of healthy life, tenable in the first instance for 2 yrs., renewable, at any place approved by the Council of the R.S. Open to graduates of any Univ.

(ix) *Warren Fellowships* in Metallurgy, Engineering, Chemistry and Physics, value not less than £500 p.a., tenable at any place approved by the Council of the R.S. Open to British subjects.

The foregoing awards, unless otherwise stated, are open to qualified persons, irrespective of nationality, but in practice are generally awarded to British nationals.

(x) *Scientific Relief Fund* (income about £1600 p.a.) to aid scientific men or their families requiring assistance.

(xi) *Other Funds*: Browne, for assisting marine expeditions and marine biological research; Forsyth 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.

(xii) *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.

(xiii) *Medals*. Copley, for philosophical research (with money grant); Rumford (with money grant, biennial), for useful discovery in light or heat, in any part of Europe; Royal (2), for advancement of natural knowledge; Davy (with money grant), for discovery in chemistry in Europe or Anglo-America; Darwin (with grant of £100, biennial), for work in Darwinian field; Buchanan (with money grant, quinquennial), for service to hygienic science or practice; Sylvester (with money grant, triennial), for mathematical research; Hughes (with money grant), for discovery in physical sciences, particularly electricity and magnetism. With the exception of the Royal Medals, all are open to foreigners as well as to British subjects.

* † (xiv) *Rutherford Scholarship*. Open to graduates (under 26 on Oct. 1, 1953) 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. The appointment will date from Oct. 1, 1953. 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 before Feb. 15, 1953, to Asst. Secretary, Royal Society, Burlington House, London, W.1.

[234] 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.

[235] * † ‡ 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 [66].

* † ‡ WALES, UNIV. OF. *Imperial Chemical Industries Fellowships*, as under Cambridge Univ. [216].

16. SCIENCE (Special Subjects)

Astronomy

[236] * † OXFORD UNIV. : BALLIOL COLL. *Shynner Senior Studentship* for the study of Astronomy and branches of Mathematics and Natural Science connected therewith, £200 p.a. for 1 yr., renewable. Open to graduates of Univs. within the British Commonwealth.

Further particulars from the Senior Tutor.

Biochemistry

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects)—Cancer [177].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) [216].

[237] † LIVERPOOL UNIV. *Johnston Colonial Fellowship* in Biochemistry, about £400 for 1 yr. but may be renewed for a 2nd yr. Failing a candidate in Biochem., the Profs. of Pathol. and Physiol. shall be invited to nominate a candidate. Open in the first place to members of Colonial Univs. and Med. Schools (without, however, excluding Colonials who may possess British qualifications). Except with the permission of the Senate, research must be carried out in the Univ. or in hospitals or other institutions approved by the Faculty of Med. Applications to be sent to the Dean of the Fac. of Med. not later than June 30.

[238] * † 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.

[239] * † LONDON UNIV.: LISTER INSTITUTE OF PREVENTIVE MEDICINE, Chelsea Bridge Road, London, S.W.1. (i) *The Grocers' Company Research Studentship* in Biochemistry, £300 p.a., tenable at the above Institute for 1 yr., with possible extension for 2nd yr. Open to British subjects. Vacancies advertised in appropriate journals.

(ii) *Morna Macleod Scholarship* in Biochemistry, £300 p.a., tenable at the above Institute for 1 yr., with possible extension for 2nd yr. Candidates must be of Scottish descent. Vacancies advertised in appropriate journals.

* LONDON UNIV.: UNIVERSITY COLL. *Bayliss-Starling Memorial Scholarship*, see under Physiol. [274].

Biology

* † ABERDEEN UNIV. *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects)—Cancer [177].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, see under Medicine and Surgery (Special Subjects)—Pathology [198].

[240] * † ‡ CAMBRIDGE UNIV. (i) *Balfour Studentship* in Biological Research, especially in Animal Morphology, at least £300 p.a. for 3 yrs.; tenable normally at Cambridge. Open to graduates of any Univ. Offered triennially or as casual vacancies occur.

(ii) *Balfour Memorial Fund*. Grants may be made from this fund for original research in Biology, especially Animal Morphology, to the Balfour Student or to any other person engaged in such research.

Further particulars from the Secretary of the Faculty Board of Biology "A," Dept. of Zoology.

[241] * † ‡ CAMBRIDGE UNIV.: NEWNHAM COLL. *Wheldale-Onslow Memorial Fellowship*, £300 p.a. for 3 yrs., tenable at Newnham Coll. Open to women of any nationality for research work in biological science, preference being given to work in plant biochemistry. Applications to the Principal before March 1. Awarded from time to time as funds permit.

* † ‡ EMPIRE COTTON GROWING CORPORATION. *Postgraduate Studentships*, see under Agriculture, Veterinary Science, etc. [50].

* † NOTTINGHAM UNIV. *Carr Scholarship*, see Science (General) [229].

[242] * 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 or in Maths. to receive such training in Biology as will enable them to undertake research and teaching in the U.K. in the biological sciences. Open to either sex; usual age limits, 22-35. Tenable for 1 yr.; renewable up to maximum of 3 yrs. Normal value of Scholp., £500-£600 p.a. plus

fees ; of bursary, £350 p.a. plus fees. Applications by April 1. Further particulars from Secretary at above address.

Botany

[243] * † ‡ CAMBRIDGE UNIV. : GIRTON COLL. *Ethel Sargent 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) [220].

[244] * † ‡ 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) [229].

Chemical Engineering

[245] 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.

[246] CAMBRIDGE UNIV. *Shell Chemical Engineering Studies Fund*. Grants or Research Studentships may be awarded. Further particulars from the Professor of Chemical Engineering.

CAMBRIDGE UNIV. : ST. CATHARINE'S COLL. *Permutit Senior Studentship*. See under Science (Special Subjects)—Chemistry [251].

[247] LONDON UNIV. : IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, London, S.W.7.

* † ‡ (i) *Leverhulme Studentship* in Chemical Engineering, £250 p.a., tenable at Imperial College for 1 yr., renewable for 2nd yr. Open to candidates possessing a degree or diploma in Chemistry, Engineering, Chemical Engineering or other cognate subject.

(ii) *Federated Foundries Ltd. Scholarship*. £300 p.a. plus College fees for 1 yr., renewable for 2nd. Candidates must be of British nationality and must hold an honours degree in Chemical Engineering,

Chemistry or Physics. For postgraduate work in Chemical Engineering. Further particulars from the Registrar.

[248] * † ‡ 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.

[249] * LONDON UNIV. : UNIV. COLL., Gower St., London, W.C.1. *Leverhulme Studentships* in Chemical Engineering (2), value £350 each for 1 yr., renewable for 2nd yr. Candidates must be holders of a good Univ. degree with Chem. or Engin. as principal subject and must either be engaged in or be definitely preparing to enter the chem. industry, and have adequate knowledge, practical or otherwise, of factory or business conditions. The holders may take the ordinary course of study for the Coll. Dipl. in Chem. Eng. or a special course in the subject, or carry out orig. research at Univ. Coll. Applications not later than May 15 to the Registrar.

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salters' Scholarship, and Fellowship*, see under Applied Science and Technology, [64]

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships*. See under Applied Science and Technology [66].

Chemistry

* † ABERDEEN UNIV. *Robbie Scholarships* in Chemistry, see under Science (General) [213].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, see under Medicine and Surgery (Special Subjects)—Pathology [198].

[250] * † ‡ 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 [57].

[251] 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.

[252] * † CHEMICAL SOCIETY, Burlington House, London, W.1. The *Research Fund* of the Chemical Society was establd. in 1876 to assist investigators by defraying the cost of expensive materials. The income from the Fund, incl. that from the donation of the 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.

[253] 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) [220].

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship*, *see under* Science (General) [221].

[254] * GLASGOW UNIV. *Coats Fellowship*. £300 p.a., with £50 for incidental expenses, tenable for 2 yrs. Open to graduates in Science, of at least 1 yr.'s standing, of any British Univ. For research in Chemistry or Physics (excluding Nuclear Physics). The Fellow will be required to pursue within the Univ. of Glasgow a course of research approved by the Hd. of the Dept. concerned. Applications to Clerk of Senate by May 31.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under* Science (General) [216].

* † ‡ LEEDS UNIV. *Henry Ellison Senior Fellowships*, *see under* Science (General) [225].

[255] * † LONDON UNIV.: IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY. *Harold John Cotes Fellowship* in Protein Enzymology. £300 p.a. plus College fees for 1 yr., renewable for 2nd yr. Open to graduates in Chemistry. Further particulars from the Registrar.

[256] * † ‡ 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 1953. Last date of appln., June 1. Further particulars from the Registrar.

[257] * † ‡ 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) [232].

* † ‡ SALTERS' INSTITUTE OF INDUSTRIAL CHEMISTRY. *Salter's Scholarship, and Fellowship*, see under Applied Science and Technology [64].

* † ‡ SHEFFIELD UNIV. *Ellison Fellowships*, see under Science (General) [234].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Inorganic Chemistry, see under Science (General) [219].

[258] * † ‡ 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 applics., July 1. Further particulars from Registrar.

Colloid Science

[259] * † ‡ CAMBRIDGE UNIV. *Oliver Gatty Studentship* in Colloid Science, especially physical methods applied to biological problems, about £450 p.a., for 1 yr. with possible re-election for a 2nd and 3rd yr., tenable at Cambridge. Open to graduates of any Univ.

Further particulars from the Registry.

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) [216].

Electrotechnics

* † ‡ MANCHESTER UNIV. *J. R. Ashworth Research Scholarships*, see Science, General [227].

Geology

[260] * † ‡ 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)* [220].

* † NOTTINGHAM UNIV. *Carr Scholarship, see Science (General)* [229].

[261] * WALES, UNIV. OF : UNIV. COLL. OF WALES, ABERYSTWYTH. *J. J. Thomas of Kendal Scholarship*. Awarded annually; tenable for 3 yrs. For research in Geol. and for Mineralogy. Value £70 p.a. supplemented by Ministry of Education up to max. of £215 p.a. plus tuition fees. Open to students of any Univ. born in Wales or Lake District. Last date for applicns., June 1. Further particulars from Registrar.

Mathematics

See Arts (Special Subjects) [100], [101].

Metallurgy

[262] BIRMINGHAM UNIV. * † (i) *William Gibbins Research Fellowship* in Metallurgy, £450 p.a., plus tuition and membership fees, usually for 2 yrs. but renewable, tenable in the Dept. of Metallurgy. Candidates should be graduates of the Univ. of Birmingham or any other British Univ. who have had at least 1 yr.'s experience of postgrad. research. Established to encourage research into copper, brass and non-ferrous alloys.

* † (ii) *William Gibbins Research Scholarship*, tenable in the Metallurgy Dept. of the Univ.; value to be determined in each individual case by the Fac. of Sci. Open to graduates of any British Univ.

* † ‡ (iii) *Bowen Scholarship* in Metallurgy, £220-£260 p.a., with remission of tuition and examination fees, tenable for 1 yr., the work engaged on by the scholar to have a direct or theoretical bearing on some department of Metallurgy. Open to graduates of any Univ.

* † ‡ (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* [57].

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, *see under Science (General)* [216].

* † ‡ IRON AND STEEL INSTITUTE. *Andrew Carnegie Travelling Scholarships, and Research Grants, see Appendix III* [312].

* † ‡ LEEDS UNIV. (i) *Yorkshire Copper Works Research Scholarship, see under Applied Science and Technology* [60]. (ii) *Henry Ellison Senior Fellowships, see under Science (General)* [225].

[263] ROYAL SOCIETY. (i) *Warren Fellowships, see Science (General)* [233].

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(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.

[264] * 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 [66].

* † ‡ WALES, UNIV. OF: SWANSEA UNIV. COLL. *Research Studentships,* see under Engineering (General) [135].

Meteorological Science

* † ‡ MANCHESTER UNIV. *J. R. Ashworth Research Scholarships,* see Science, General [227].

Nutrition

[265] * † ‡ MANCHESTER UNIV. *Cow and Gate Fellowship* for research in problems associated with nutrition in infants and children. Normally £900 p.a. for 3 yrs., renewable in special cases for 4th or 5th year. Usually tenable at the above. Open to graduates of approved Univs. Next offer 1953. Applns. by Jan. 31.

Further particulars from the Registrar.

Pharmacy

* † ‡ IMPERIAL CHEMICAL INDUSTRIES FELLOWSHIPS, see under Science (General) [216].

[266] MANCHESTER UNIV. * † ‡ (i) *Allen and Hanburys Fellowship.* Normally £250, offered annually. Tenable in the Pharmaceutical or Pharmacology Laboratories of the Univ. for 1 yr., but renewable for a period of not more than 3 yrs. in all. Preference to pharmaceutical chemists or graduates in Pharmacy of a British Univ., but failing such candidates, may be awarded to graduates in Science or Medicine. Applications by May 31.

* † ‡ (ii) *Woolley and Kerfoot Scholarships* in Pharmacy. Each of £60 for 1 yr., renewable for 2nd yr., normally tenable at the above. Offered annually and open to persons who have studied Pharmacy in the Univ. of Manchester or in some other approved institution. Last date for applications, Sept. 30.

(iii) *A. L. Blair Memorial Scholarship.* As (ii) above, except value £70.

Further particulars from the Registrar.

[267] * PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1. (i) *Pharmaceutical Society Research Scholarship*. Value £300 p.a. One awarded each yr.

(ii) *Redwood Research Scholarship*. Value £300 p.a. Next award 1955.

(iii) *Burroughs Research Scholarship*. Value £300 p.a. Next award 1957.

(iv) *Ransom Research Fellowship*. Value £300 p.a. Next award 1953.

(v) *Rammell Research Studentship*. Value £300 p.a. Next award 1961.

Each scholarship is tenable for 2 yrs.¹ in the research laboratories of any School of Pharmacy in Great Britain approved by awarding body or of the Museum of the Society. Candidates must be pharmaceutical chemists or approved graduates in Pharmacy. Last day for applications, June 1. Further particulars from the Secretary.

* † ‡ ROYAL SOCIETY. *Locke Research Fellowship*. See under Science (General) [233].

[268] * WELLCOME TRUST. *Wellcome Pharmaceutical Research Fellowship*. Awarded by Cttee. comprising members appointed by Trustees of the Wellcome Trust and by the Council of the Pharmaceutical Society of Great Britain. Value £350 p.a., awarded annually. Tenable for 2 yrs. in the research labs. of any School of Pharmacy or other institution in Great Britain approved by awarding body. Candidates must be Pharmaceutical Chemists or approved graduates in Pharmacy. Last day for applications, May 31. Further particulars from the Secretary of the Pharmaceutical Society, 17 Bloomsbury Square, London, W.C.1.

Physics

* † ABERDEEN UNIV. (i) *Georgina McRobert Research Fellowship*, see under Medicine and Surgery (Special Subjects)—Cancer [177].

* † (ii) *Robbie Scholarship in Natural Philosophy*, see under Science (General) [213].

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, see under Medicine and Surgery (Special Subjects)—Pathology [198].

[269] * † ‡ 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 [57].

¹ Under review.

POSTGRADUATE AWARDS, SCIENCE (Special) 1553

[270] * † ‡ 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) [220].

* † ‡ EDINBURGH UNIV. *Dewar Research Fellowship*, *see under* Science (General) [221].

* GLASGOW UNIV. *Coats Fellowship*, *see under* Science (Special Subjects)—Chemistry [254].

[271] 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 [227].

Further particulars from the Registrar.

[272] * † ‡ 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) [232].

* † ROYAL SOCIETY. *Rutherford Scholarship* v. [233].

* † SHEFFIELD UNIV. *Ellison Fellowships*, *see under* Science (General) [234].

* † ‡ TEXTILE MACHINERY MAKERS, LTD. *Sir Walter Preston Scholarships and Research Fellowships*. *See under* Applied Science and Technology [66].

* † ‡ TURNER AND NEWALL FELLOWSHIPS in Physics, *see under* Science (General) [219].

[273] * † ‡ 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 [204], [205])

* † BELFAST, THE QUEEN'S UNIV. *Musgrave Research Studentships*, see *Medicine and Surgery* (Special Subjects)—*Pathology* [198].

‡ LIVERPOOL UNIV. *Garrett International Fellowship*, see *Bacteriol.* [175].

[274] LONDON UNIV.: UNIV. COLL., Gower St., London, W.C.1.

* (i) *The Bayliss-Starling Memorial Scholarship* in *Physiol.* and/or *Biochemistry* (founded 1929), value £200 p.a. with remission of tuition fees, tenable for 1 to 3 yrs. at Univ. Coll. Candidates must be graduates of the Univ. of London or any other Univ. approved by the Coll. Committee for the purpose, or 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.

[275] * † ‡ 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 1953. Further particulars from the Registrar.

Zoology

* † ‡ DURHAM UNIV.: THE DURHAM COLLS. *Research Fellowship in Pure Science*, see under *Science* (General) [220].

* † LONDON UNIV.: IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY. *Henry George Plimmer Fellowship*, see under *Science* (Special Subjects)—*Biochemistry* [238].

* † ‡ MANCHESTER UNIV. *Grisedale Scholarship* for biological research, see under *Botany* [244].

17. THEOLOGY

[276] 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].

[277] 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 £100 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 com-

munion 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

[278] * † ‡ OXFORD UNIV. *Weldon Memorial Prize* (endowment £1000), awarded once in 3 yrs. for the most noteworthy contribution to Biometric Science in the preceding 6 yrs. Last award 1950. Further particulars from the Registrar, University Registry, Oxford.

Chemistry

[279] * 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 [85].

Dental Surgery

[280] * † ROYAL COLL. OF SURGEONS, Lincoln's Inn Fields, London, W.C.2. (i) *Cartwright Prize* (of £100) and *Medal*, founded in 1884 by the "Association of Surgeons practising Dental Surgery" with the object of commemorating the service of Samuel Cartwright, F.R.C.S., awarded quinquennially to the author of the best essay upon a subject relating to Dental Surgery to be selected by the Council. The next award will be made for the five years ending Dec. 31, 1955, the subject being "The Diagnosis and Treatment of Fibro-Osseous Enlargement of the Jaws."

Candidates must be persons engaged in the study or practice of Dental Surgery and possessing qualifications capable of registration under the Medical Acts of the United Kingdom.

Every essay must have a motto or device and must be accompanied by a sealed paper containing the name and address of the author, and having on the outside a motto or device corresponding with the motto or device on the essay.

(ii) *John Tomes Prize* of £27. Founded by members of the Dental profession in memory of Sir John Tomes; awarded triennially for original or other scientific work on Dental Surgery and Pathology, Dental Anatomy and Physiology (including Histology) or Dental Mechanics. Next award 1954.

English Literature

[281] * † ‡ 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

[282] * † 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

[283] 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 applications should reach the Sec., Institute of Historical Research, University of London, The Senate House, London, W.C.1, before Oct. 1, 1954.

[284] ROYAL EMPIRE SOCIETY. * † (i) *Walter Frewen Lord Prize* in Imperial History, annually, value 40 gs., for a monograph or essay (10,000-20,000 words) on a subject of Imperial History, embodying either the results of original work or an ordered and critical exposition of existing data. Open to undergraduates or graduates of any Univ. or Univ. Coll. in the Empire, of not more than 4 yrs.' standing from their first degree.

* † (ii) *Darling Essay Competition* in Economic Development. Triennially, value £50, for an essay (10,000-20,000 words) concerning Imperial econ. development, especially in its monetary and financial aspects.

Open to (a) students, including postgraduate students, of any Univ. or Univ. Coll. in the Empire and (b) other persons engaged in the study or practice of economics. Candidates should be under 30 yrs. of age.

Further particulars in each case from the Secretary, Imperial Studies Committee, Royal Empire Society, Northumberland Avenue, London, W.C.2.

[285] * † ‡ ROYAL HISTORICAL SOCIETY. *David Berry Prize*, founded under the will of the late David Anderson-Berry in memory of his father, the Reverend David Berry, consisting of a gold medal and a money prize of £50, to be awarded to the writer of the best essay on a subject, to be selected by the candidate and approved by the Council of the Society, dealing with Scottish History within the reigns of James I to James VI inclusive. Each essay submitted must be a genuine work of research based on original materials and must not previously have been published or awarded any other prize. Awarded triennially; next award 1952.

Further particulars from the Secretary at 96 Cheyne Walk, Chelsea, London, S.W.10.

International Peace

[286] * CECIL PEACE PRIZE. A prize of approx. £100 is offered annually for an essay on a given subject connected with the maintenance of International Peace, and having some bearing on the principles or work of the International Organizations existing for that purpose. Open to all graduates, undergraduates, and students of either sex and of any nationality, of any Univ. or Univ. Coll. in Gt. Britain or N. Ireland, under 25 on the last day for submitting essays. Further particulars from the Secretary, The Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1.

MEDICINE (General)

[287] * 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.

[288] * † ‡ 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

[289] * † ‡ 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

[290] * † ‡ 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

[291] * † ‡ 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

[292] * † MOORFIELDS, WESTMINSTER AND CENTRAL EYE HOSPITAL, City Road, London, E.C.1. *Gifford Edmonds Prize* in Ophthalmol., of £100, is awarded biennially for the best essay on a subject dealing with Ophthalmol. and involving original work. Open to British subjects who hold a medical qualification. Preference will be given to original work. Full particulars, together with the subject for 1951-52, may be obtained from the House Governor of the Hospital.

Pathology

[293] * † ‡ 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

[294] * † ‡ 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 Empire or Republic of Ireland who have been qualified for not more than 10 yrs. and who are either engaged in the practice of surgery or are being trained to this end. Further particulars from the Hon. Secretary, 45 Lincoln's Inn Fields, London, W.C.2.

[295] * † 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 1953 is: "Pathology and Surgery of Peripheral Vascular Occlusion." 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) [288].

(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.

APPENDIX III

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

This Appendix contains 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), v. *infra* [298].

[296] ALBERTA UNIV. * † ‡ (i) *Cominco Fellowship*. 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 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. Tenable also 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. Open to graduates of any approved Univ. Tenable also at the following Univs.: British Columbia, McGill, Queen's, Toronto.

* † ‡ (iii) *C.I.L. Fellowship*. Value, \$750 per yr. plus \$250. 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 1953-54, 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, Univ. of Alberta, Edmonton, Alberta, Canada, by April 15.

[297] * † ‡ 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*, v. [296].

* † ‡ (ii) *Shell Oil Fellowship*, v. [296].

[298] BRITISH COUNCIL, 65 Davies St., London, W.1. * † ‡ (i) *Travel Grants*. See Appendix II [3].

* † (ii) *Scholarships* offered to British students by foreign Govts. and Univs. Particulars of about 90 scholarships (mainly postgraduate awards) are published annually in a pamphlet entitled *Scholarships Abroad*. Scholarships offered for 1953-54 announced in Jan. 1953.

* † BRITISH EMPIRE CANCER CAMPAIGN. *Exchange Fellowship*, see under Medicine (Special Subjects)—Cancer [178].

[299] 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) *The 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.

[300] * † BRITISH INSTITUTE OF ARCHÆOLOGY AT ANKARA. *Fellowship and Scholarship*. Awarded annually; each tenable for 1 yr. with possibility of renewal usually for 1 yr. Applicants must be of British Commonwealth nationality. The Instn. organizes and encourages research in all aspects of the archæology of Turkey, in all periods, including the Islamic. Further information from the Secretary, British Institute of Archæology at Ankara, 56 Queen Anne St., London, W.1.

[301] 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. The first four fellowships, tenable in 1953, were offered in the fields of natural science, industrial research, virology and agriculture. Value of each, £A. 1000. Further particulars from the Agent-General for Victoria, Melbourne House, Strand, London, W.C.2.

[302] * † ‡ **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.

[303] * † ‡ **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 Cape Town Univ.

Further particulars from the Registrar, Univ. of Cape Town, Private Bag, Rondebosch, South Africa.

[304] **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 35 yrs. of age who have not worked or studied in the United States for more than a few months (in 1954 the upper age limit will be reduced to 32 yrs.). Candidates must be British subjects, not normally resident in Canada or in other British territories in or near North America, and must be graduates of a United Kingdom Univ. Twenty Fellowships are available.

* (ii) *Home Civil Service Fellowships*, open to candidates holding permanent appointments in the higher ranks of the Civil Service in Great Britain. Three Fellowships for administrative grades; two for scientific grades.

* † (iii) and (iv) *Dominion and Colonial Civil Service Fellowships*, open to candidates who hold appointments overseas under the Govts. of Australia, New Zealand or S. Africa, or the Govts. of British Colonies, Protectorates or Trust Territories distant from the United States. Five Dominion Service Fellowships, two Colonial Service Fellowships.

* (v) *Fellowships in Journalism*, open to professional journalists engaged on the editorial side of their profession. Age limit 23-35 (the upper limit may be extended by the period of a candidate's war service). Three Fellowships.

* (vi) *Fellowships in American Studies*, open to qualified members of Univ. teaching staffs in some field of American Studies. Candidates must be nominated by their Univs.

The standard tenure for fellowships in categories (i)-(v) is for one academic year of 12 mos., but under special circumstances may be held for shorter or longer periods. Emoluments cover full expenses of travel (including transatlantic passage) and of residence and study in the United States. For 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 and application forms may be obtained from the Warden of Harkness House, 35 Portman Square, London, W.1.

CORDAY-MORGAN MEMORIAL FUND EXECUTIVE. *Corday-Morgan Commonwealth Fellowship* in Chemistry. See Appendix II [253].

[305] * 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); California (Los Angeles), Pittsburgh and Texas Univs. (men and women). (ii) Offered jointly by English-Speaking Union in Gt. Britain and Institute of International Education in New York. Value varies, but approx. \$1700. Tenable in almost any subject, and at a long list of American Univs. Candidates must be British graduates under 30 yrs., from Gt. Britain and N. Ireland. Next award 1953-54.

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.

[306] FULBRIGHT. *Travel Grants* for Lecturers, Advanced Research Workers, Teachers and Students, U.K. or Colonial citizens going to U.S.A. for academic or educational purposes. Dollar support in U.S.A. essential. Further particulars from United States Educational Commission in the United Kingdom, 55 Upper Brook St., London, W.1.

[307] * GOLDSMITHS' COMPANY. *Postgraduate Travelling Scholarships* (5), to enable selected scholars to visit one of the Dominions or Colonies for 2 yrs., value adjusted to candidate's needs, but it is intended that each successful candidate should receive not less than £500 p.a. plus travelling allowance. Open to men and women of British parentage who are graduates of U.K. Univs. and under 24 yrs. of age.

Applications should be made to the Clerk of the Goldsmiths' Company, Goldsmiths' Hall, Foster Lane, E.C.2, *through the Registrar or other authority of the candidate's own Univ.* and not direct.

[308] * † ‡ HARVARD UNIV. The *Frank Knox Memorial Foundation* which has recently been established in the conviction that co-operation between the British Commonwealth and the United States of America, based upon an informed and understanding contact of the peoples of these 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 the academic year 1953-54 will be tenable by a United Kingdom male student. The stipend will be \$2400 and the closing date for receipt of applications is March 1, 1953.

Further particulars from the Secretary, The Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1.

[309] 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 1952-53 at the Business School. Further particulars from the Director, British Institute of Management, Management House, 8 Hill St., London, W.1.

[310] * † 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.

[311] * HUDSON'S BAY COMPANY *Hudson's Bay Scholarships*. Purpose : to encourage the study of business administration, to contribute to the higher education of business executives, and to strengthen the links between the business communities in Canada and the U.K. Normally, 2 scholarships awarded annually in the U.K. for study in Canada at an appropriate Univ. or other educational institution. Value \$1800 (Canadian) p.a. plus transportation expenses between U.K. and Canada. Applicants must be British-born subjects ordinarily resident in the U.K. and be between 23 and 30 yrs. of age. Further information from the Secretary, Hudson's Bay Scholarships, Beaver House, Great Trinity Lane, London, E.C.4.

* † IMPERIAL RELATIONS TRUST. *Travel Grants*, see Appendix II [23].

* † ‡ INTERNATIONAL FEDERATION OF UNIVERSITY WOMEN. *Travelling Fellowships*, see Appendix II [24].

[312] * † ‡ 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.

[313] * 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 [158].

* † ‡ LONDON UNIV.: LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE. *Eileen Power Travelling Studentship* in Social and Economic History, see Appendix II [121].

MCGILL UNIV. * † ‡ (i) *Cominco Fellowship*, v. [296]. * † ‡ (ii) *Shell Oil Fellowship*, v. [296].

* † ‡ MANCHESTER UNIV. *Simon Research Fellowships*, see Appendix II [122].

[314] MANITOBA UNIV. * † ‡ (i) *Cominco Fellowship*, v. [296].

* † ‡ (ii) *Canadian Industries Ltd. Research Fellowship*. Value, \$1000 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.

[315] 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 of either sex "intending to devote themselves to the advancement by teaching or research of curative or preventive treatment of tuberculosis in all or any of its forms." Ordinarily for study outside U.K. and for 1 academic yr. Stipend £650 p.a. for 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*. Value and tenure varies. Subjects: Ophthalmology and Otolaryngology. Open to suitably qualified medical graduates in the British Empire who have had previous training in Ophthalmological or Otolaryngological research.

Further particulars from Secretary, Medical Research Council, 38 Old Queen Street, Westminster, London, S.W.1.

[316] * † MOND NICKEL FELLOWSHIPS COMMITTEE, 4 Grosvenor Gardens, London, S.W.1. A number of *Travelling Fellowships* are awarded annually in July to allow selected persons to undertake such training as will make them better capable of applying the results of research to the problems and processes of the British metallurgical and metal-using industries. Fellows are usually required to undergo a programme of training in industrial establishments, but in exceptional cases the Committee may grant awards for training at a Univ. or Coll. Open to graduates, who should be under 35 yrs., of British nationality who are normally resident in the United Kingdom; the Committee has discretion to make awards to persons resident in other parts of the

British Commonwealth. Average value £1000, tenable for 1 yr., renewable in exceptional cases.

Further particulars from the Secretary.

[317] * † ‡ NATIONAL RESEARCH COUNCIL OF CANADA. *Postdoctorate Fellowships*. Mainly for research in Pure Chemistry and Physics; tenable at N.R.C. Laboratories in Canada. Applicants should possess 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.

[318] * † ‡ NEW SOUTH WALES UNIV. OF TECHNOLOGY. (i) *I.C.I.A.N.Z. Research Fellowship*. Value £A. 600 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.

(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 must 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.

Further particulars from the Registrar, New South Wales University of Technology, Broadway, Sydney, N.S.W., Australia.

[319] * † 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.

[320] * 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.

[321] * NUFFIELD FOUNDATION, Nuffield Lodge, Regent's Park, London, N.W.1. (i) *Medical and Dental Fellowships* see [112] and [165].

(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 [36].

[322] * † PRINCETON UNIV. *Procter Visiting Fellowships*. Candidates must be unmarried male citizens of the British Empire, not over 30 yrs. of age and must have taken at least a B.A. degree. Tenable for 1 yr. at Princeton with possibility of renewal. Fellows required to devote themselves to advanced study and investigation in a branch or subject of one of the liberal arts and sciences, exclusive of professional, technical or commercial subjects. Value £960 p.a. Further particulars from the Secretary, Henry Fund, c/o University Chest Office, Oxford.

QUEEN'S UNIV. * † ‡ (i) *Cominco Fellowship*, v. [296]. (ii) *Shell Oil Fellowship*, v. [296].

[323] * † ‡ 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 [42].

ROYAL COLL. OF SURGEONS. * † ‡ (i) *Sir Arthur Sims Commonwealth Travelling Scholarship*, see Appendix II [170].

* † (ii) *Sir Wm. Lister Award in Ophthalmology*, see Appendix II [193].

* † ROYAL SOCIETY. *John Murray Studentship* for the encouragement of travel and work in Oceanography and Limnology. See under Fisheries [149]. (ii) *Rutherford Scholarship*, v. [233].

[324] SASKATCHEWAN UNIV. (i) *Consolidated Mining and Smelting Fellowship*, v. [296].

(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. Application 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.

[325] * 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.

[326] SMITH-MUNDT. *Grants* in dollars may be made to assist faculty members at the Univ. level, advanced scholars and research workers to visit the U.S. for purposes of research or teaching. Applications will be accepted in the following fields of study: American Studies (Hist., Econ., Govt.); Education; Science and Technology; American Literature and Journalism; Administration and Management. Value of award varies according to individual needs; tenable for term of study of not less than 6 mos. but preferably of 1 yr. Candidates must be British subjects resident in the U.K. Further particulars from United States Cultural Office, Room 22, 5 Grosvenor Square, London, W.1.

[327] * † ‡ TASMANIA UNIV. *I.C.I.A.N.Z. Research Fellowship*. Research Fellowship in Pure and Applied Chemistry, Biochemistry, Agricultural Science, Chemotherapy, Pharmacology, Physics, Engin-

eering, 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. Further information and application forms from Registrar, University of Tasmania, Box 647 C, G.P.O., Hobart, with whom applications close on Feb. 1, 1953.

TORONTO UNIV. * † ‡ (i) *Cominco Fellowship*, v. [296]. (ii) *Shell Oil Fellowship*, v. [296].

* UNITED DAIRIES. *Travelling or Research Scholarship*, see Appendix II [53].

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 courses in United Kingdom Univs. and Univ. Colls. at the beginning of the academic year 1951-52 was 7622, which compares with 8242 in 1950-51 and 7261 in 1949-50. Of these, 4189 came from the British Commonwealth overseas (including Gibraltar 14, Malta 21, Ceylon 160, Cyprus 80, India 831, Pakistan 197, Malayan Union 195, Hong Kong 55, North Borneo 2, Sarawak 1, British W. Africa 557, British E. Africa 208, N. Rhodesia 15, S. Rhodesia 84, Seychelles 6, South Africa 405, Aden 4, Bermuda 6, British Honduras 4, British Guiana 61, Falkland Islands 2, British W. Indies 314, Canada and Newfoundland 380, Australia 401, New Zealand 186).

The 7622 overseas students were distributed in the Univs. and Colls. as follows :

Birmingham 236, Bristol 118, Cambridge 746, Durham 268, Leeds 228, Liverpool 168; London * 3152 (Courtauld Inst. of Art 15, Inst. of Archaeology 7, Inst. of Commonwealth Studies 4, Inst. of Education 242, Sch. of Slavonic and East European Studies 18, Warburg Inst. 2, Bedford 34, Birkbeck 53, Imperial 245, King's 135, King's College of Household and Social Science 10, London Sch. of Economics 446, Queen Mary 42, Royal Holloway 9, Royal Veterinary 19, Sch. of Oriental and African Studies 94, Sch. of Pharmacy 19, Univ. Coll. 590, Westfield 14, Wye 13, Theol. Schools 8, Medical Schools 800, Institutions with Recognized Teachers (excluding 4 which did not supply information) 333); Manchester 349, Nottingham 89, Oxford 734, Reading 25, Sheffield 114, Southampton 36, Wales 114, Aberdeen 45, Edinburgh 415, Glasgow 261, St. Andrews 106, Queen's, Belfast, 121, Exeter 115, Hull 50, Leicester 18, N. Staffs 4.

The analysis below gives the number of students from the various overseas countries, as well as some idea of their distribution at Universities here.

EUROPE—Total, 1412

Austria—26: London 18. *Belgium*—43: London 21. *Czechoslovakia*—36: London 21. *Denmark*—34. *Eire*—67: Cambridge 11, London 26. *Estonia*—3. *Finland*—11. *France*—104: London 56, Oxford 22. *Germany*—151: London 62, Sheffield 10, Glasgow 12. *Gibraltar*—14. *Greece*—122: Leeds 19, London 46, Manchester 16. *Holland*—66: London 26. *Hungary*—15. *Iceland*—24. *Italy*—51: London 25. *Latvia*—8. *Lithuania*—1. *Luxembourg*—1. *Malta*—21: London 10. *Norway*—221: Birmingham 23, Durham 26, Leeds 25, London 30, Manchester 21, Glasgow 34, St. Andrews 10, Queen's, Belfast, 12. *Poland*—219: London 173, Manchester 13, Glasgow 20. *Portugal*—20.

* External students not included.

Roumania—5. *Spain*—30: London 10. *Sweden*—18: London 11. *Switzerland*—49: London 30. *U.S.S.R.*—24. *Yugoslavia*—28.

ASIA—Total, 2133

Arabia—4. *Burma*—47: London 24. *Ceylon*—160: Cambridge 28, London 80, Oxford 12. *China*—55: London 27. *Cyprus*—80: London 31. *Hong Kong*—55: London 24. *India*—831: Birmingham 14, Bristol 10, Cambridge 69, Durham 25, Leeds 30, Liverpool 25, London 431, Manchester 44, Oxford 44, Sheffield 16, Edinburgh 44, Glasgow 74. *Indo-China and Cochin China*—8. *Indonesia*—9. *Iraq*—99: London 59, Queen's, Belfast, 12. *Israel*—75: London 55. *Japan*—5. *Lebanon*—11. *Malayan Union*—195: Cambridge 21, London 85, Nottingham 14, Oxford 11, Queen's, Belfast, 11. *Nepal*—2. *North Borneo*—2. *Pakistan*—197: Cambridge 19, London 120, Oxford 11. *Palestine*—16. *Persia*—91: Birmingham 34, London 43. *Philippines*—4. *Sarawak*—1. *Syria*—13. *Thailand*—92: Liverpool 12, London 25, Manchester 17, Nottingham 10. *Tibet*—1. *Transjordan*—20: London 15. *Turkey*—60: London 26.

AFRICA—Total, 1930

Aden—4. *Anglo-Egyptian Sudan*—53: London 13. *Basutoland*—2. *British East Africa*—208: Cambridge 23, Durham 24, London 59, Oxford 13, Wales 21, Edinburgh 20. *British West Africa*—557: Birmingham 19, Cambridge 21, Durham 48, Liverpool 12, London 234, Manchester 15, Nottingham 11, Oxford 10, Wales 23, Exeter 20, Hull 35, Edinburgh 22, Glasgow 29, St. Andrews 16. *Egypt*—458: Birmingham 17, Bristol 11, Cambridge 21, Durham 16, Leeds 19, Liverpool 10, London 213, Manchester 43, Oxford 16, Sheffield 15, Exeter 21, Edinburgh 19, Glasgow 21. *Ethiopia*—19: London 10. *French Togoland*—1. *Mauritius*—103: Durham 20, London 37. *North Africa*—13. *N. Rhodesia*—15. *Portuguese East Africa*—1. *Seychelles*—7. *South Africa*—405: Cambridge 43, Liverpool 10, London 208, Oxford 69, Edinburgh 26. *S. Rhodesia*—84: Cambridge 38, London 18, Oxford 10, Edinburgh 10.

AMERICA—Total, 1557

Bermuda—6. *British Guiana*—61: London 39. *British Honduras*—4. *Canada*—380: Cambridge 61, London 186, Manchester 10, Oxford 67, Edinburgh 29. *Central America and Mexico*—24. *Falkland Islands*—2. *South America*—52: London 20. *U.S.A.*—710: Cambridge 94, Leeds 10, Liverpool 10, London 240, Manchester 17, Oxford 200, Exeter 19, Edinburgh 79, Glasgow 12. *West Indies, British*—314: Birmingham 15, Cambridge 30, Durham 17, London 136, Oxford 27, Wales 11, Edinburgh 23, Belfast 16. *West Indies, others*—4.

AUSTRALASIA—Total, 588

Australia—401: Cambridge 88, London 187, Manchester 15, Oxford 87, Edinburgh 14. *New Zealand*—186: Cambridge 37, London 107, Oxford 27, Edinburgh 13. *Pacific Is.*—1.

STATELESS—2

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. 1482. 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.

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. It is

proposed that the establishment of a Smuts Professorship of the History of the British Commonwealth shall be a first charge on the fund, and that a Board of Managers shall 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 has recently established an Institute of Commonwealth Studies, with the object of promoting the study of Commonwealth problems; further information from the Librarian/Secretary, 27 Russell Square, London, W.C.1. The University maintains the following Chairs and Readerships in Commonwealth subjects: *Chairs*—Commonwealth Affairs; Imperial History; Education, with special reference to 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 and 11 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 Administration; Reader in Indian History; Beit Lecturer in the History of the British Empire; University Lecturers in African Sociology, Colonial Administration, Colonial Economic History, Indian Sociology.

In 1953 a special Conference on Commonwealth Studies is being convened at Oxford, from June 29 to July 10, under British Council administration. Director of Studies—Sir Keith Hancock, Director of the Institute of Commonwealth Studies of the University of London.

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. 1575)

NATIONAL UNIVERSITY OF IRELAND (p. 1586)

UNIVERSITY COLLEGE, DUBLIN (p. 1589)

UNIVERSITY COLLEGE, CORK (p. 1595)

UNIVERSITY COLLEGE, GALWAY (p. 1600)

[Information compiled as at 26/8/52.]

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.

LADY REGISTRAR—CHRISTABEL F. GODFREY, 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., Thrift, H., M.A., *Auditor*.

Catechist.

Luce, Rev. A. A., Litt.D., D.D.

Johnston, J., M.A., *Senior Proctor*.
 Godfrey, F. La T., M.A., *Sr. Dean*.
 Fearon, W. R., M.A., M.B., Sc.D.

Parke, H. W., M.A. Dub. and
 Oxon., Litt.D., *Vice-Provost and Librarian*.

JUNIOR FELLOWS OF THE COLLEGE—

Duncan, G. A., M.A., LL.B.,
Bursar.
 Broderick, T. S., M.A.
 Walton, E. T. S., Ph.D. Camb.,
 M.A., M.Sc.
 *Stanford, W. B., M.A., Litt.D.
 *Wormell, D. E. W., M.A. Camb.,
 Ph.D. Yale, *Sr. Lectr. and Public Orator*.
 *Moody, T. W., B.A. Belf., Ph.D.
 Lond., M.A.
 O'Meara, R. A. Q., Sc.D., M.D.
 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.
 *Sloman, A. E., M.A., D.Phil.
 Oxon.
 *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.

HONORARY FELLOWS—

Ross, Sir W. David, Litt.D.
 Dixon, H. H., Sc.D., F.R.S.

Benians, E. A., Litt.D.

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.
 Chief Demr.

Constable, G. W., M.B. Demr.
 Fegan, W. G., M.B. Demr.
 Wilson, Katherine F., M.B. St.
 And. Demr.

Anglo-Saxon

Liddell, M. F., M.A., Ph.D. Lectr.

Art, History of [Hon. Prof.
 Bodkin, T., M.A. Birm., D.Litt.
 N.U.I., Litt.D., Chev. Lég. d'H.

Astronomy

O'Connor, F. J., B.A. Lectr.

Biochemistry, v. Medicine, infra

Botany and Plant Biol.

Webb, D. A., M.A., Ph.D. Prof.
 Dawson, G. W. P., B.A. Camb.
 Asst.

Boatman, D. J., B.Sc. 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, Wesley, Sc.D., Ph.D.
 Manc., F.R.I.C. Prof.

..... Reader.
 Pepper, D. C., B.Sc. Lond., Ph.D.
 Camb., M.A. Lectr.

Stuart, E. R., B.Sc. St. And. Lectr.

* Tutor Fellows.

Hutchison, H. P., M.A. Oxon.
Lectr.
Schwarz, J. C. P., B.A., Ph.D.
Asst.
Doyle, W. P., B.Sc., Ph.D. Lond.
Lectr.

Classical Archæol.

Parke, H. W., M.A., Litt.D.
Louis Claude Purser
Lectr.

Classics

Stanford, W. B., M.A., Litt.D.
(Greek) Regius Prof.
Wormell, D. E. W., M.A. Camb.
Ph.D. Yale (Latin) Prof.
Luce, J. V., M.A. Lectr.

Commerce

Lecturers

Byrne, J. J., LL.B. N.U.I., M.Sc.
Camb. (Econ.).
Lyons, F. S. L., M.A., Ph.D. (Econ.
Hist.).
Haughton, J. P., M.A., M.Sc.
(Comm. Geog.).
Butler, W. B., M.A. (Accounting).
Thornton, E. H., M.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).
Ingram, J., M.A. (Transport).
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.
(Dental Anat.) Lectr.

Healy, K. G., L.D.S.
(Dental Surg.) Lectr.
Hogan, N. J., M.B., B.Dent.Sc.
(Oral Surg.) Lectr.

Divinity, v. Theol., infra

*Economics, v. Polit. Econ. and
Commerce*

Education

Crawford, Rev. E. A., B.D., Ph.D.
Prof.
Little, Anita C., M.A. Asst.
Pearson, Eileen F., B.A. Asst.
Layng, A. E., LL.D. Asst.
Wilson, C. D., B.A. Asst.

Engineering, Civil

Purser, J., M.Sc. Birm., M.A.,
M.A.I. Prof.
Graham, V. W., M.A. Lectr.
Roberts, A. I. N., B.A. Camb.,
M.A., B.A.I. (Building Con-
struction) Lectr.
Fitzgibbon, G., M.A., M.A.I. Lectr.
Warwick, F. W., 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. Camb. Asst.

French

Arnould, E. J. F., Ph.D., D.Lit.
Lond., D. ès L. Paris Prof.
Skeffington, O. L. S., M.A., Ph.D.
Reader.
Orgel, Vera, Ph.D. Lectr.

MacCarthy, Ethna M., M.A., M.D.
Asst.

Leventhal, A. J., M.A., Ph.D.
Asst.

North, Meta E., M.A. Asst.

Geography

Lane, E. V., M.A. Liv. Lectr.

Haughton, J. P., M.A., M.Sc.
Lectr.

Geology and Mineralogy

..... Prof.

Mitchell, G. F., M.A., M.Sc.
Lectr.

Oswald, D. H., M.A. Oxon. Lectr.

Nevill, W. E., B.A., Ph.D. Asst.

Geophysics

Poole, J. H. J., M.A., M.A.I., Sc.D.
Prof.

German

Liddell, M. F., M.A. Dub. and
Edin., Ph.D. Birm. Prof.

Leventhal, A. J., M.A., Ph.D.
Asst.

Scheyer, E., M.A. Breslau, Dr.
Juris. Berl. Asst.

North, Meta E., M.A. Asst.

Hebrew, v. Orient. Langs., infra

History, Ancient

Parke, H. W., M.A. Dub. and
Oxon., Litt.D. Prof.

History, Ecclesiastical, v. Theol., infra

History, Modern, v. also Oratory and Hist.

Moody, T. W., B.A. Belf., Ph.D.
Lond., M.A. Prof.

Otway - Ruthven, Annette J.,
Ph.D. Lecky Prof.

McDowell, R. B., Ph.D. Lectr.

Lyons, F. S. L., M.A., Ph.D. Lectr.

O'Sullivan, D., M.A., Litt.D.
(Internat. affairs) Lectr.

Large, D., B.A. Oxon. Asst.

Irish

O'Toole, E., M.A. Dub. and N.U.I.
Prof.

Knott, Eleanor, D.Litt. N.U.I.,
M.A. (Early Irish) Prof.

Beaumont, J. N., M.A. Lectr.

Ní Ghuairim, Sorcha, M.A. Lectr.

Risk, May H., B.A., Ph.D. Lectr.

Irish Archæology

Mitchell, G. F., M.A., M.Sc. Lectr.

Italian

Griffith, T. G. Lectr.

Tomacelli, E., D.Giur. Naples
Lectr.

Law, v. infra

Mathematics

Broderick, T. S., M.A. Dub. and
N.U.I. Erasmus Smith's Prof.

McConnell, A. J., D. d'U. Rome,
M.A., Sc.D. Prof.

Meredith, C. A., M.A. Camb.
Lectr.

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

Graham, V. W., M.A. Lectr.

Gardner, G. H. F., B.A. Lectr.

Kyle, R. H. Lectr.

Medicine, v. infra

Music

Hewson, G. H. P., M.A., Mus.D.
Prof.

Oratory and Hist., v. also Hist., Mod.

Moody, T. W., B.A. Belf., Ph.D.
Lond., M.A.

Erasmus Smith's Prof.

Oriental Langs., v. infra

Philosophy

Furlong, E. J. J., M.A. Prof.

Hartford, Rev. R. R., M.A., B.D.
(Ment. and Moral Sci.) Lectr.

Godfrey, F. La T., M.A. (Hist. of
P.) Lectr.

Denard, W. V., B.Litt. Lectr.

Phonetics

Quin, E. G., M.A. Lectr.

Physics

Walton, E. T. S., Ph.D. Camb.,
M.A., M.Sc.

Erasmus Smith's Prof.

Poole, J. H. J., M.A., M.A.I., Sc.D.
Lectr.

Gregg, A. H., M.Sc. Belf., Ph.D.
Lond. Lectr.

Delaney, C. F. G., B.Sc., Ph.D.
Lectr.

Elliott, R. B., B.Sc. Asst.
Power Steele, Emily J.

Physiology

Torrens, D. S., M.A., M.B.
Prof. and King's Prof. of
Insts. of Med.

Chapman, T. T., M.B. Lectr.

Wilson, R., M.D. (Appl. P.) Lectr.

Fry, R. J., 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.

(Applied Economics) Prof.

Armstrong, Olive G., M.A. (Pol.
Sci.) Lectr.

Chubb, F. B., M.A. Oxon. (Pol.
Sci.) Lectr.

Byrne, J. J., M.A., LL.B. N.U.I.,
M.Sc. Camb. Asst.

Russian

McMackin, Margaret M., M.A.
Belf. Lectr.

Spanish

Sloman, A. E., D.Phil. Oxon.
Reader.

Riley, E. C., B.A. Oxon., M.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.

Law

Moran, Frances E., M.A., LL.D.

Reg. Prof. of Laws.

Dowrick, F. E., B.A. Oxon. Lectr.

Administrative and Indust. Law

King, F. C., B.A. Lectr.

*Penal Legislation, Const. and
Crim. L., and L. of Evid.*

Cassidy, Agnes B., LL.B., M.A.

Reid Prof.

Roman Law

M'Kenna, C. B., LL.D. Lectr.

Medicine (Physic)

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

Moorhead, T. G., LL.D. Belf.,
M.D., D.P.H., 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. Lectr.

Mullaney, P. J., M.D. Asst.

Davidson, Mary G., M.Sc. Asst.

Biochemistry

Fearon, W. R., M.A., M.B., Sc.D.
Prof.

Bell, E. A., B.Sc. Durh., Ph.D.
Asst.

History of Med.

Kirkpatrick, T. P. C., D.Litt.
N.U.I., Litt.D., M.D.,
F.R.C.P.I. Hon. Prof.

Hygiene

Stewart, F. S., M.D. Lectr.

Materia Medica and Pharmacy

Micks, R. H., M.A., M.D.
King's Prof.

Medical Jurisprudence

Wallace, J. A., B.Sc., M.B. Lectr.

Medicine, Experimental

O'Meara, R. A. Q., Sc.D., M.D.,
F.R.C.P.I. Prof.

Midwifery

..... King's Prof.
Falkiner, N. McI., Sc.D., M.D.,
F.R.C.P.I. (Gynæcol.) Lectr.
Fleming, J. B., M.A.O., M.D. Asst.

Pathology

O'Meara, R. A. Q., Sc.D., M.D.,
F.R.C.P.I. Prof.

..... Lectr.
McNally, P. A., M.Sc., M.D.,
F.R.C.P.I. (App. Path.) Lectr.
Pringle, S., M.B., M.Ch., F.R.C.S.I.
(Path. of Bone) Hon. Lectr.
McCarthy, Joan, M.B. Asst.

Psychological Medicine

Bennet, E. A., M.C., M.A., Sc.D.,
M.D., D.P.M. Lectr.
Eustace, H. J., M.B. Lectr.
Moore, J. N. P., M.D. Lectr.

*Public Health**Lecturers*

Roberts, A. I. N., B.A.I. (San.
Constrn. and Planning).
Collis, W. R. C., F.R.C.P.,
F.R.C.P.I. (Pædiatrics).
Steen, R. E., M.D., F.R.C.P.I.
(Pædiatrics).
McSweeney, C. J., M.D. N.U.I.,
F.R.C.P.I. (Infectious Dis-
eases).

Radiology

McDonogh, C. L., M.A., M.D. Lectr.

Surgery

McConnell, A. A., M.A., M.Ch.
Regius Prof.
Pearson, W., M.D., M.Ch. Prof.
Henry, R. F. J., M.B., F.R.C.S.I.
Asst.

Surgery, Orthopædic

Chance, A., M.Ch., M.D.
Hon. Prof.

*Oriental Languages**Arabic*

Weingreen, J., M.A., Ph.D. Lectr.

Hebrew

Weingreen, J., M.A., Ph.D.
Erasmus Smith's Prof.
Gwynn, Rev. R. M., M.A., B.D.
Lectr.
Baker, J., M.A., LL.B., Ph.D.
Lectr.

Sanskrit and Compar. Philol.

Quin, E. G., M.A. Lectr.

Theology

(v. also Orient. Langs.)

Biblical Greek

Gwynn, Rev. R. M., M.A., B.D.
Prof.

Divinity

Oulton, Rev. J. E. L., M.A., D.D.
Regius Prof.
Hartford, Rev. R. R., M.A., B.D.
Archbishop King's Prof.
Nowlan, Rev. G. S., M.A.
Wallace Lectr.
Jenkins, Rev. R. G. F., M.A., B.D.
(Bible) Lectr.

Assistants

Proctor, Rev. W. C. G., B.D.
Greening, Rev. E. W., B.D.
De Pauley, Rev. W. C., M.A., D.D.
Salmon, Rev. T. N. D. C., B.D.
Daunt, Rev. E. G., B.D.

Ecclesiastical Hist.

Jourdan, Rev. Canon G. V., D.D.,
Litt.D. Prof.

Pastoral Theology

Kerr, Rev. R. J., M.A. Prof.

Donnellan Lecturer

1952—Prof. W. T. Stace.

John Joly Lecturer

1951—Prof. R. F. Flint.

John Mallet Purser Lecturer

1951—J. H. Burn, M.D., F.R.S.

ADMINISTRATIVE AND OTHER STAFF

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ASSOCIATED COLLEGES

MAGEE UNIVERSITY COLLEGE, Londonderry. (*Telephone* : Londonderry 2145.) President, Prof. T. Finnegan, M.A. Camb. For first 3 yrs. of B.A. course.

CHURCH OF IRELAND TRAINING COLLEGE, 4 Kildare Place, Dublin. (*Telephone* : 62946.) Chaplain-Secretary, Rev. 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 counts towards the Dublin B.A., subject to the candidate qualifying in Latin and a modern foreign language before proceeding as "Sophister" (3rd yr.).

VETERINARY COLLEGE OF IRELAND, Ballsbridge, Dublin. (*Telephone* : 64384.) Principal, Prof. T. G. Browne. A student may take his preliminary scientific work and an Arts course in Trinity College and his professional Veterinary studies in the Veterinary College.

GENERAL INFORMATION

Trinity College was founded and incorporated by Royal Charter in 1592 as "Mater Universitatis," but no other College has been founded, so that "Dublin Univ." and "Trinity College" are practically interchangeable terms. The Corporation of the College was put on its present basis by Letters Patent in 1637. Letters Patent of 1911 transferred the powers of making statutes from the Crown to the Corporation, subject to the consent of a majority of the Fellows and the approval of the Visitors. The general government of the Univ. is in the hands of the Board of Trinity College, which consists of the Provost, Senior Fellows, 2 representatives of Junior Fellows and 2 representatives of the non-Fellow Profs. The Univ. Council, formed by representatives from the Board and various Faculties and Schools, has the right of nomination to most Professorships, and in conjunction with the Board can make changes in the curriculum, but otherwise has only advisory functions.

The College occupies a large site in the middle of the city, with ample grounds for the athletic clubs.

The LIBRARY of Trinity College has enjoyed since 1801 the privilege of receiving a copy of every book published in the United Kingdom. It contains

about 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 and widely distributed. There are smaller libraries in the Schools of Mod. Langs., Hist., Econ., Med., Maths., Nat. Scis., Geog., Philol. and Educn.

MUSEUMS. The scientific museums include Zool. and Comp. Anat., Geol. and Mineral., Anat., Path. The Zoological collection is one of the best in the country. The series of vertebrate osteology is extensive. Attached Laboratories offer all facilities for research work. The collection of Geological and Mineralogical specimens is also extensive.

LABORATORIES. Anat., Biochem., Bot., Chem., Geol., Geog., Histology, Engin., Pathol., Physical (Iveagh), Physiol., Zool.

HERBARIUM (rich in plants of N. America, India, S. Africa and Australia). **BOTANIC GARDENS**, 8 acres.

Ample facilities for clinical studies and many appointments for graduates are available in numerous HOSPITALS, including the well-known Rotunda. The Irish High Court is situated within a short distance of the College.

PROFESSIONAL SCHOOLS. Divinity, Law, Physics, Engin., Social Sci., Agric., Forestry, Music, Educn., Comm., Vet. Registrars: *Law*—F. E. Dowrick, B.A.; *Physics*—Winifred Kinnear, M.A.; *Engin.*—J. Purser, M.A.; *Music*—G. H. P. Hewson, Mus.D.; *Educn.*—E. A. Crawford, M.A., Ph.D.; *Agric.*—J. Purser, M.A.; *Comm.*—F. B. Chubb, M.A., D.Phil.; *Social Sci.*—Eileen Duncan, M.Sc.

ADMISSION. *Arts* (including Science). The Matricn. Examn., held 6 times a yr., comprises English Composition, Maths., Latin, a second lang. and a subject chosen from Physics, Chem., Biol., Hist. and Geog. Exempting Examinations—*Gt. Britain and Ireland*: Candidates who have passed the Examn. for Leaving Certifs. held by the Dept. of Educn. in the Irish Free State, or the Examn. for Sr. Certifs. held by the Ministry of Educn. in N. Ireland, or any other examns. regarded by the Sr. Lectr. as equivalent thereto, are qualified for entrance to Trinity Coll. on passing, if required to do so by the Sr. Lectr., a further examn. in those subjects, if any, of the Trinity Coll. Entrance Examn. which are not included in those which they have already passed. *Africa*: Certifs. in Dutch or Afrikaans may be presented by S. African students, and in various African langs. by other African students, in part fulfilment of entrance requirements.

ADMISSION TO ADVANCED STANDING. Special regulns. provide for the grant of credit for previous academic attainments at the Univs. of Oxford and Cambridge, while students or graduates of the following Univs., Aberdeen, Belfast, Birmingham, Bristol, Durham, Edinburgh, Glasgow, Leeds, Liverpool, London, Manchester, St. Andrews, Sheffield, Wales, and the National Univ. of Ireland, may be allowed credit *pro tanto* for the first 2 yrs. and the examn. held at their expiration; but every such student must keep at least 2 yrs. at Trinity Coll.: and further, no medical degree can be taken without at least 3 yrs.' attendance. *Dominions, U.S.A., etc.*: Certain privileges in Arts are granted to approved students of the following Univs. and Colls.: Adel., Agra, Alld., Annamalai, Bom., Calc., Dacca, Dalhousie, King's Coll. (Halifax, N.S.), Laval, Lucknow, McGill, Madras, Melbourne, Nagpur, New Brun., N. Zeal.,

Panj., Patna, Queen's (Kingston, Ont.), Queensland, Rangoon, Saskatchewan, Syd., Tas., Tor., Western Ontario, the Univs. in South Africa, and Univs. and Colls. in the U.S.A. approved by the Assn. of American Univs.

DEGREES. Every student must take the B.A. before proceeding to any other degree, except those in music and M.Sc., B.Litt., Ph.D. The course lasts 4 yrs., but it is only necessary to keep 2 out of the 3 terms in each, or 8 in all. It is also possible to complete the course within 3 yrs. from entrance by taking the final examn. of the 1st yr. at the time of entering and keeping all 3 terms of the 2nd yr. However, all students not in a professional school are required to attend Arts lectures in every term, unless specially exempted (*e.g.* those earning their living by teaching). If exempted they are permitted to keep all of their 8 terms by examn. instead of by attendance. Exemption from attendance is never granted to students taking scientific subjects for the B.A.(Sc.).

During the first 2 yrs. (Junr. and Senr. Freshman) of the Pass B.A. course English, Latin, Logic and Mathematics are compulsory subjects, with a choice of other subjects. After the examn. ("Little-Go") at the end of the 2nd yr. wide freedom of choice is allowed of subjects for the remaining (Junr. and Senr. Sophister) years, and exemptions are granted to Law, Engin., Comm. and Div. students. For Med. students there is a specially reduced Arts course throughout.

Every student must choose one of the Tutor Fellows (*see* list above) as his Tutor and should apply to him for all information before and after entrance.

The *Honours* B.A.—known as *Moderatorship*—can be taken in 13 different groups (*viz.* 1 Math., 2 Class., 3 Ment. and Mor. Sci., 4 Exp. Sci., 5 Nat. Sci., 6 Hist. and Pol. Sci., 7 Mod. Lit., 8 Leg. Sci., 9 Eng. Sci., 10 Celtic, 11 Oriental Lang., 12 Econ. and Pol. Sci., 13 Anc. and Mod. Lit.) and undergraduate honours in the same subjects (except Nos. 9 and 11) can be obtained in each academic year and in most subjects in each term. The course lasts 4 yrs. in the case of Nos. 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13—3 yrs. in No. 9. Instruction in these Honour courses is given partly by the Profs. and partly by the Tutorial staff.

A B.A. of 3 yrs.' standing may be admitted M.A. There is no examn. for this, nor is a thesis required.

The B.Litt. is obtained by a thesis, and candidates must have at least 1 yr.'s standing as B.A. They must also, except by special permission of the Board, be graduates with 1st or 2nd Class Honours of Dublin or of an approved University.

The Pass B.A.(Sc.) is obtained by a 4-yr. course covering approx. the same ground as the first three yrs. of the honour course in Natural Science. In the last two years the student studies 3 subjects chosen from Physics, Chem., Bot., Zool., Geol., Geog.

The B.D. is obtained by an examn. open to all grads. in Arts, the D.D. is open to any B.D., 8 yrs. after taking B.A., and is awarded on a thesis or published Theol. work.

The LL.B. course covers 2 yrs.; the M.B., B.Ch. and B.A.O., 6 yrs.; B.Dent.Sc., 6 yrs.; B.A.I., 3 yrs. (optional 4th yr. in Elec. and Mech. Engin.); Agr.B. or Agr. (Forestry) B., 4 yrs., of which 3rd and 4th are taken in Univ. Coll. (N.U.I.); B.Comm., 3 yrs. The M.Sc. and Ph.D. involve postgraduate study and research for 1 yr. and 2 yrs. respectively. Candidates for M.Sc. must be science graduates with 1st or 2nd class honours. Candidates for Ph.D. must, except by special permission of the Board, be graduates with 1st class honours.

A candidate for the Sc.D. or Litt.D. must have at least 3 yrs.' standing as B.A., or have obtained M.Sc., B.Litt. or Ph.D., and submit important original

work ; for LL.D. must be of M.A. standing—a thesis or a published work is required ; for M.D. must have taken the M.B. degree, be of M.A. standing ; for M.Ch. must be a B.Ch. of 3 yrs.' standing ; for M.A.O., a B.A.O. of 2 yrs.' standing ; a thesis or examn. is required for M.D., an examn. for the M.Ch. or M.A.O. A candidate for M.Dent.Sc. must be a B.Dent.Sc. of 3 yrs.' standing, and pass an examn. ; for M.A.I. must have practised his profession for 3 yrs. after graduating as B.A.I.

The Mus.B. is granted after an exercise or practical test and 2 examns., the Mus.D. after an exercise and examn.

DIPLOMAS in Agric., Gynæc. and Obst., Educn. (Primary and Higher), Social Studies, Public Admin., Geography, Biblical Studies, Mech. Engin., Religious Knowledge (women), Hist. of European Painting (by examn. only).

License in Engineering (first 2 yrs. of Arts course and complete course in Engineering). *License* in Med., Surg. and Obst. Science.

Testimonium in Divinity (3 yrs.' course).

FEES. Entrance, £15 ; Composition for all Arts and Science Lectures, 36 gs. p.a. with laboratory fees in Science (to students admitted to advanced standing the entrance fee is remitted and in most cases some of the half-yearly Arts fees) ; Med. course total (including Hospitals and Degree fees), about £165 ; Dental Sci. total, about £218 ; Engin. (3 yrs.), £52 (minimum), in addition to Arts Tuition fees in each case ; Divinity free for students in Arts, 20 gs. p.a. for others ; Commerce, £47 (if Arts Course is taken), £80 (for extern. students).

Among SCHOLARSHIPS, PRIZES, ETC., OPEN TO GRADUATES are: Two studentships and a number of other research exhibitions and prizes of £100 each offered at the B.A. degree examn. Madden Prize Fund £424 p.a. awarded to unsuccessful candidates at Fellowships examn. or for research work or as a *Travelling* Scholarship. *Travelling* Prize, £100 in Medicine or Surgery (3 mos. to be spent abroad). Harmsworth Exhibition, £100, for research work. A number of other prizes, etc. (including the Blake National Hist., about £160), are open to graduates under M.A. standing.

EXCHANGE OF STUDENTS. Exchanges of students are arranged with European countries. Visiting students give lectures, mainly on conversational French and German, and in return may attend any lectures free of charge and are given free board and lodging.

STUDENTS FROM OVERSEAS. Students of American and other foreign Universities, if recommended by the Principals of their Universities, may work for an academic year in Trinity College. There are special fees which vary with the Courses followed.

RESIDENCE. The College has accommodation for about 300 students. Rent £12 to £24 p.a. for single sets and proportionately for double sets of rooms ; dinner in Hall, £1 : 1s. a week. Trinity Hall (Warden : C. B. Crawford, M.A.) accommodates 60 women ; board and residence, about £30 per term of 10 weeks. There is also a hostel for Divinity students of the Church of Ireland.

PUBLICATIONS. *Calendar* (Oct.), 5s., includes information as to courses, etc. ; annual Suppt., 2s., results of examns., degrees conferred, etc. ; special Suppt. (occasional), lists of past honours, benefactors, etc. *Examn. Papers* of the several Honour schools ; of the several Professional schools ; of Entrance examns. and prizes : and of Pass Arts, are published in pamphlet form at 1s. 6d. per set. *Hermathena* (twice yearly), original papers in Arts subjects, price 10s. *Trinity*, an annual record, life subs. £2. *T.C.D.* (Students'), 6d. weekly.

THE YEAR 1950-51

BENEFACTIONS. £7500 under will of J. E. Levitt ; £1000 under the will of Miss M. A. Lyster to found Arthur Lyster Prize in Maths. ; Mrs. Hunter, £500 to found Henry Hamilton Hunter Prize in Law ; £500 under will of Dr. R. H. Hayes to be used for Univ. Philosophical Society's premises ; late Rev. George Bell, £300, to establish prizes in Music ; £325 in books under the Rockefeller Book Scheme ; under will of M. Alain de Suzannet, Lausanne, MSS., books, autographed letters and drawings of E. C. Somerville and Martin Ross ; various gifts of zool. specimens, books, etc.

CHANGES IN REGULATIONS. 1st and 2nd Class Honours are now awarded in Agric.

RETIREMENTS. Prof. H. H. Dixon (Bot.) ; Prof. Constantia Maxwell (Hist.).

DEATHS. K. C. Bailey, F.T.C.D. ; Prof. J. W. Bigger.

HONORARY DEGREES. *M.Ch.*—Dr. T. J. D. Lane. *Sc.D.*—Eric Ashby, Vice-Chancellor, Queen's Univ., Belf. *Litt.D.*—Harold Leask ; H. D. Wade-Gery, Prof. of Ancient Hist., Univ. of Oxford.

DEGREE (*jure dignitatis*). *D.D.*—Rt. Rev. F. R. Willis, Bishop of Delhi.

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	268	1547
Women	37	644
Total	305	2191

Included in the above are 167 postgraduate students and 455 first-year admissions.

DEGREES. B.A., 376 ; M.A., 96 ; Ph.D., 14 ; B.Litt., 2 ; B.D., 7 ; M.B., 66 ; M.D., 8 ; M.A.O., 2 ; B.A.I., 37 ; M.A.I., 2 ; B.Comm., 25 ; LL.B., 15 ; B.Sc., 22 ; M.Sc., 3 ; Sc.D., 1 ; B.Sc. (Vet.), 2 ; Agr.B., 1 ; Mus.B., 4 ; Mus.D., 2.

[Information compiled as at 1/8/52.]

THE NATIONAL UNIVERSITY OF IRELAND

Founded 1909

Telegrams : Natuniv, Dublin.

Telephone (Registrar) : Dublin 62470.

CHANCELLOR—EAMON DE VALERA, T.D., B.A., B.Sc., Ph.D., LL.D.

VICE-CHANCELLOR—(for biennium ending Dec. 31, 1953), ALFRED O'RAHILLY, M.A., D.Sc., D.Phil., D.Litt., President, University College, Cork.

PRO-VICE-CHANCELLORS—THE PRESIDENTS, UNIV. COLLS. OF DUBLIN AND GALWAY, AND ST. PATRICK'S COLL., MAYNOOTH.

REGISTRAR—....., 49 Merrion Square, Dublin.

REPRESENTATIVES IN SEANAD ÉIREANN—Prof. H. L. BARNIVILLE, B.A., M.D., M.Ch. ; Prof. GEORGE O'BRIEN, D.Litt. ;

ADMINISTRATIVE AND OTHER STAFF

Chief Clerk : J. A. Wilmot, B.A., B.Comm., H.Dip. in Ed. Accountant Clerk : J. Bourke, M.Comm. Other Clerks : Mary E. O'Connor ; J. P. Kane, B.Comm. ; P. J. Costello, M.A., B.Comm., H.Dip. in Ed., Dip.Pub.Adm. ; T. I. Kelly, B.Comm. ; M. J. Tracy, B.A., B.Comm.

CONVOCATION. Chairman : T. A. O'Rourke, B.A., B.Comm., H.Dip. in Ed. Clerk : W. J. Williams, M.A., H.Dip. in Ed.

CONSTITUENT COLLEGES

UNIVERSITY COLLEGES OF DUBLIN (p. 1589), CORK (p. 1595), AND GALWAY (p. 1600).

RECOGNIZED COLLEGE

ST. PATRICK'S COLLEGE, MAYNOOTH. (*Telephone* : Maynooth 4.) President—Right Rev. Monsignor Edward Kissane, D.Litt., D.D. Founded 1795 by Act of George III, entitled "An Act for the better Education of persons professing the Popish or Roman Catholic Religion" (35 Geo. III, c. 21). Recognized College of The National University of Ireland, 1908.

Recognized Teachers in approved degree courses. *Classics*—Rev. D. Meehan, M.A. ; Rev. J. Hackett, M.A., D.D. *Education*—B. P. Sherry, B.Sc., H.Dip. in Ed. *English*—Rev. C. Kevin, M.A. ; Rev. J. J. McMackin, M.A. *French*—Rev. H. Schild, L. ès L. *German*—Rev. H. Schild, L. ès L. *Irish*—Rev. D. P. O'Flynn, M.A. ; S. Ó. Searcaigh, M.A., D.Ph. *Maths. and Math. Physics*—Rev. J. McConnell, M.A., D.Sc.

Music—Rev. H. O'Callaghan, B.A., L.Mus. Rome. *Philos., Mental and Moral*—Rev. P. McKeivitt, D.Ph.; Rev. J. D. Bastable, M.A., Ph.D.; Rev. T. Crowley, M.A., Ph.D. *Physics, Expl.*—Rev. P. J. I. McLaughlin, M.Sc., D. ès Sc. *Welsh*—S. Ó. Searcaigh, M.A., D.Ph.

OTHER TEACHING STAFF

Profs. of Catholic Theology—Rev. Dr. Gerald Mitchell, Rev. Dr. John McCarthy, Rev. Dr. John O'Flynn.

Staffs of the Univ. Colleges, v. *infra*.

GENERAL INFORMATION

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, constituents 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., 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., H.Dip. in Ed., Dip. Soc. Sc., Dip. Libr. Trn.; Dip. Chem. Tech.; D.C.H., C.P.H., D.P.H., D.P.M.; Dip. in Comm., Cert. in Comm., Dip. Pub. Adm.; Jun. Teach. Qual. (Music), Sen. Teach. Qual. (Music), Cert. in Organ Music.

FEES. Matricn., £4. Combined examn. and degree, £12 to £28. 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.), 7s. 6d., post free, 8s. 5d.

THE YEAR 1950-51

HONORARY DEGREES. *LL.D.*—A. C. Beatty ; Lady Howe ; J. M. Carlisle ; J. J. O'C. Kerrigan ; Very Rev. Canon H. Thiébaud ; Ven. Archdeacon J. Kelleher. *D.Litt.*—Padraic Colum ; Count Stanislaus Ostrogor. *D.Litt. Celt.*—A. A. Sommerfelt. *D.Econ.Sc.*—P. E. Miller.

STUDENTS. *See under* Constituent Colleges.

DEGREES. B.Agr.Sc., 20 ; M.Agr.Sc., 5 ; B.Arch., 18 ; B.A., 390 ; M.A., 38 ; B.Comm., 113 ; M.Comm., 1 ; M.Econ.Sc., 3 ; B.Sc. Dairying, 3 ; B.D.S., 35 ; B.E., 118 ; M.E., 2 ; LL.B., 1 ; M.B., B.Ch., B.A.O., 207 ; M.D., 9 ; M.Ch., 7 ; M.A.O., 2 ; B.Mus., 3 ; B.Sc., 112 ; M.Sc., 44 ; M.V.B., 9 ; Ph.D., 8.

DIPLOMAS. H.Dip. in Educn., 215 ; Dipl. in Library Trg., 3 ; Dip. in Soc. Sci., 17 ; Dipl. in Comm., 8 ; Certif. in Comm., 1 ; Dip. in Dairy Sci., 11 ; D.P.H., 23 ; Dip. in Psychol. Med., 14 ; Dip. in Child Health, 2 ; C.P.H., 43 ; Dip. in Chem. Technol., 2 ; Dip. Pub. Admin., 26 ; Dip. Ir. Stud., 1.

[Information compiled as at 22/8/52.]

UNIVERSITY COLLEGE, DUBLIN

Founded 1909

Telephone: 52116.

PRESIDENT—MICHAEL TIERNEY, M.A., D.Litt.

REGISTRAR—Prof. 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.

5 Assts.

*Engineering, Civil*Purcell, P. F., M.A., M.A.I. Dub.
Prof.Lewis, F. E., B.A., B.E., Ph.D.
Lectr.*Engineering, Elect., v. Physics**Engineering, Mechanical*Hogan, M. A., D.Sc. Lond., B.E.,
B.Sc. Prof.
Leahy, P., M.E., Ph.D. Lectr.
O'Donnell, J. P., M.E., B.Sc.
Lectr.*English Lang. and Philology*

MacSweeney, J. J., M.A. Lectr.

*English Literature*Hogan, J. J., 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., Vicar General Prof.
- History, Early, including Mediæval Irish*
 Ryan, Rev. J., M.A., D.Litt. Prof.
- History, Mediæval*
 Gwynn, Rev. A., M.A., B.Litt. xon. 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.
 Power, Sheila L., M.A., Ph.D. Lectr.
 Franklin, D., M.Sc. (Statistical Maths.) Lectr.
- Medicine and Surgery, v. infra*
- Music*
 Larchet, J. F., Mus.D. Prof.
- Music, Irish*
 Prof.
- Palæography*
 Bieler, L., D.Phil. Lectr.
- Philosophy*
 Prof.
 O'Doherty, Rev. E. F., M.A., B.D., Ph.D. (Logic and Psychol.) Prof.
 Horgan, Rev. J., M.A., D.D., Ph.D. (Metaphysics) Prof.
- Physics and Electrical Engineering*
 Hackett, F. E. W., M.A., M.Sc., Ph.D. Prof.
 Morrissey, J. J., M.E. Lectr.
- Physics, Experimental*
 Prof.
 Dowling, J. J., M.A., F.I.P. (Tech. P.) Prof.
 Nolan, P. J., D.Sc., Ph.D. Lectr.
 Nevin, T. E., D.Sc. Lectr.
- Physics, Mathematical*
 Keating, G., M.Sc. Prof.
- Physiology and Histology*
 O'Connor, J. M., B.A., M.D. Prof.
- Polit. Econ. and Nat. Econ.*
 O'Brien, G., B.A., D.Litt., B.L. Prof.

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*Agriculture*

Drew, J. P., M.Sc. Prof.

Agricultural Botany and Bacteriology

Gorman, M. J., B.Sc. Prof.

Agricultural Chemistry

O'Sullivan, G. F., M.Sc. Lectr.

Agricultural Zoology

Carroll, J., D.Sc., B.Agr.Sc. Lectr.

Animal Nutrition

Sheehy, E. J., D.Sc., F.R.C.S.I.
Prof.

Forestry

Clear, T., B.Agr.Sc. Lectr.

Horticulture

Sherrard, G. O., B.Sc. Prof.

Plant Breeding

Caffrey, M., B.Sc. Prof.

Plant Pathology

McKay, J., D.Sc., F.R.C.S.I.
Prof.

Soil Physics

Gallagher, P. H., D.Sc. Lectr.

Dentistry

Dunkin, F. J., M.B., B.Ch., B.D.S.
(D.Surg.) Actg. Prof.

O'Dea, F. J., B.D.S. (D.Mech.)
Actg. Prof.

Flanagan, L., B.D.S., M.B., B.Ch.,
B.A.O. (Orthod.) Lectr.

Law*Constitutional Law, Internat. and Criminal Law and Procedure*

McGilligan, P., M.A., B.L. Prof.

Law of Property and of Common Law, Equity

Ryan, M. J., B.E., B.Sc., LL.B.
Prof.

Roman Law, Jurisprudence and Legal History

Henchy, J. A., M.A., LL.B., Ph.D.
Prof.

Medicine*Med. Jurispr.*

McGrath, J., M.Sc., M.D., B.Ch.,
B.A.O. Prof.

Medicine

Moore, H. F., M.D., D.Sc. Prof.

O'Donovan, D. K., M.D., M.Sc.,
Ph.D. Prof.

Mental Diseases

Dunne, J., M.B., D.P.M. 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

Doherty, E., M.B., M.Ch. Lectr.

Pathology and Bacteriology

O'Farrell, T. T., M.D., D.P.H.,
F.R.C.S.I. Prof.

McGrath, J., M.Sc., M.D., B.Ch.,
B.A.O. Lectr.

Pharmacol. and Biochemistry

Conway, E. J., D.Sc., M.B., B.Ch.,
B.A.O., F.R.S. Prof.

Brady, T. G., M.Sc., Ph.D. (Bio-chem.)	Lectr.	Veterinary Medicine	
<i>Public Health and Bacteriology</i>		<i>Veterinary Anatomy</i>	
O'Kelly, W. D., D.Sc. (Pub. Health), M.D., D.P.H.	Prof.	Browne, T. G., M.Sc., M.Vet.Sc.	Prof.
O'Callaghan, W. P., M.B., B.Ch., B.A.O., D.Sc., D.P.H. (Public Health)	Lectr.	<i>Veterinary Medicine and Meat Inspection</i>	
<i>Radiology</i>		O'Dea, A. F., M.Vet.Sc., D.V.S.M.	Prof.
Geraghty, J. A., M.D.	Lectr.	<i>Veterinary Pathology and Bacteriology</i>	
<i>Surgery</i>			Prof.
Barnville, H. L., B.A., M.D., M.Ch.	Prof.	<i>Veterinary Physiology, Biochemistry, Histology and Embryology</i>	
Meade, H. S., M.Ch., F.R.C.S.I. (Systemic Surg.)	Prof.	Nicholson, J. A., M.A., Ph.D., M.Vet.Sc.	Prof.
<i>Therapeutics</i>		<i>Veterinary Surgery and Obstetrics</i>	
FitzGerald, O., M.D., M.Sc.		McGeady, P. A., M.Vet.Sc.	Prof.
	Lectr.	Staff of Assistants and Demonstrators in all Depts.	

ADMINISTRATIVE AND OTHER STAFF

Officers of Residence: Rev. H. J. McKernan, B.A., S.T.L.; Rev. P. O'Kane, B.A.; Rev. J. Burden, University Hall; Rev. Dom M. Dillon, Balnagowan House; Rev. Brother Serenus, M.A., De La Salle Hall; 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. O. 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. Recognized for clin. instruction: 10 General Hospls.; 2 Fever; 2 Children's; 3 Midwifery; 2 Ophthalmol. and Otorhinolaryngol.; 1 Mental Diseases.

FACULTIES AND COURSES. The Coll. is empowered to provide teaching for Degrees and Diplomas of N.U.I. Courses are provided in the Facs. of Arts, Philos., Celtic Studies, Science, Law, Medicine and Dentistry, Engin. and Arch., Commerce, General Agric. and Vet. Medicine. In addition, there are courses leading to Dipls. in Library Training, Soc. Science, 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.

DEANS OF FACULTIES. *Arts*, Prof. J. J. Hogan; *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. M. J. Ryan; *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.

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 1950-51

BENEFACTIONS. Substantial grant from Rockefeller Foundation for research in Biochemistry.

NEW BUILDINGS. "Merville," a sixty-acre estate was acquired for the College.

VISITS BY TEACHERS FROM OTHER UNIVERSITIES. Prof. H. Butterfield, "The Reformation in German History"; Dr. C. A. E. Mohrmann, Amsterdam, "How Latin came to be the Language of Western Christendom"; B. H. G. Wormald, Camb., "Seventeenth-Century Revolution"; Dr. G. E. Daniel, Camb., "Ireland and Western Europe"; Prof. J. W. Cook, Glas., "Synthetic Analgesics and Anti-spasmodics"; Prof. R. A. Barrer, Aberd., "Ion-Exchange in Crystal Sieves"; Prof. J. S. L. Browne, McG., "Some Aspects of Cortisone and ACTH"; Prof. P. S. Hench, Mayo Clinic, "The Present Status of Cortisone and ACTH in General Medicine"; Dr. J. W. Harman, Wis., "The relation of integrated Enzyme Systems, Mitochondria and Cytoplasm"; H. W. Moss, "Thirty Years in the Dyestuffs Industry"; Dr. F. J. Coll, Galway, "Chromatography"; R. F. Harrod, Oxon., "John Maynard Keynes."

VISITS OF MEMBERS OF STAFF TO OTHER UNIVERSITIES. Dr. L. Bieler, Oxon., "Hibernian Latin: The Linguistic Problem and its Study"; Prof. E. J. Conway, CIBA Foundation, London, and in the Univs. of Rochester and Chicago; Dr. R. McHugh, Oxon., "John Millington Synge"; Dr. E. T. Nevin, Belfast, "The Spectrum of Manganese Deuteride"; Rev. Prof. E. F. O'Doherty, Manc., "The Relevance of Analytic Theory in Social Anthropology"; Prof. S. Ó Duilearga, Belf., Lund, Stockholm, Uppsala, Helsinki, "Irish Folklore"; Prof. L. P. Roche, Cork, "François Rabelais"; Prof. J. J. O'Meara, Oxon., "*Ratio* and *Auctoritas* in the Early Dialogues of St. Augustine"; Rev. Prof. J. Ryan, Gregorian Univ. Rome, "Early Irish Ecclesiastical History"; Prof. J. J. Tierney, Palermo, "The Byzantine Hymnographer, Romanos"; Prof. T. S. Wheeler, Bangor, Brist. and Durh.

EXTRA-MURAL WORK. 109 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); Holiday Course for Music Teachers.

RETIREMENTS. Cormac Ó Cadhlaigh (Prof. of Modern Irish Lang. and Lit.); J. J. O'Neill, Librarian; B. F. Shields (Prof. of Comm.).

DEATHS. J. J. Nolan (Prof. of Exper. Phys. from 1920; Registrar from 1940); W. Kearney (Prof. of Vet. Pathol. and Bacteriol.); Agnes M. W. O'Farrelly (Prof. of Modern Irish Poetry from 1932); Very Rev. D. Canon O'Keeffe (Prof. of Ethics and Politics from 1925); J. I. Potter (Prof. of Dent. Mechanics from 1909 to 1946); E. W. Farrell (Lectr. in Ancient Classics from 1936 to 1949); Honora M. Cremin (Asst. Lectr. in Education).

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	193	2166
Women	64	692
Total	257	2858

DEGREES, ETC. B.A., 206; M.A., 27; Higher Dipl. Educn., 113; B.Sc., 69; M.Sc., 7; M.B., B.Ch., B.A.O., 121; M.D., 10; M.A.O. or M.Ch., 7; B.D.S., 24; LL.B., 2; B.E., 49; M.E., 2; B.Comm., 76; M.Comm. or M.Econ.Sc., 1; B.Arch., 17; B.Mus., 6; Ph.D., 4; B.Agr.Sc., 33; D.P.M., 14; Dipl. Lib. Training, 3; Dipl. Social Sc., 18; D.C.H., 4; D.P.A., 24; C.P.H., 43; D.P.H., 19.

[Information compiled as at 12/8/52.]

UNIVERSITY COLLEGE, CORK

Founded 1845

Telephone : Cork 21371.

PRESIDENT—A. O'RAHILLY, M.A., D.Sc., D.Phil., D.Litt.

REGISTRAR—H. ST. J. ATKINS, M.Sc.

SECRETARY AND BURSAR—J. HURLEY, B.A., B.Comm.

LIBRARIAN—T. A. CONROY, M.A.

TEACHING STAFF

Accounting and Business Administration

Clifford, T. J., M.Comm. Lectr.

O'Mahony, W. J., B.Comm. Asst.
i 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.

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.

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.

Engineering, Municipal

Farrington, S. W., B.A., M.E.

Lectr.

English

McCarthy, Miss B. G., M.A.,

Ph.D. Prof.

Walsh, R. F., M.A. Asst.

French

Servais, Yvonne, M.A. Asst.

O'Flaherty, Kathleen M. J., M.A.,

Ph.D. Asst.

Geology and Geography

O'Connell, C. S., M.A., B.Comm.

Lectr.

<i>German</i>			<i>Physiology</i>	
Boyle, Mrs. Mary, M.A.	Prof.		Kane, F., M.D., D.P.H.	Prof.
<i>History</i>			O'Callaghan, D. J., M.D.	Asst.
Hogan, J., D.Litt.	Prof.		Law, Mary, M.Sc.	Asst.
Gwynn, D., D.Litt.	Prof.		<i>Psychology</i>	
Pender, J., M.A.	Lectr.		Dempsey, Rev. P. J., M.A., Ph.D.	Lectr.
<i>Irish Lang. and Lit.</i>			<i>Romance Languages, v. also</i>	
Breatnach, R., M.A.	Prof.		<i>French</i>	
Caomhánach, S., M.A., Ph.D.	Prof.		Byrne Costigan, Ethna, M.A., D.	Prof.
Cullinane, C., M.A., Ph.D.	Prof.		ès L. Paris	
<i>Irish Music</i>			<i>Sociology</i>	
Neeson, S., B.A.	Lectr.		O'Leary, Rev. J., M.A.	Lectr.
<i>Law</i>			<i>Spanish</i>	
Ryan, E., M.A., B.L. (C. Law, Real Prop. and Eq.)	Prof.		Healy, J. G., M.A., Ph.D.	Lectr.
Murphy, C. K., M.A., LL.B., H.Dip.Ed. (Jur., Roman L. and Pers. Prop.)	Prof.		<i>Statistics</i>	
<i>Mathematical Physics</i>			Carey, T. M., M.A., Ph.D.	Prof.
Quinlan, P., B.E., M.Sc., Ph.D.	Prof.		<i>Zoology</i>	
<i>Mathematics</i>			Renouf, L. P. W., B.A., D.Sc., Dip. Agric. Camb.	Prof.
Atkins, H. St. J., M.Sc.	Prof.		Murphy, Marjorie, M.Sc.	Asst.
.....	Lectr.		<i>Agriculture</i>	
<i>Medical Ethics</i>			<i>Agriculture</i>	
Bastible, Rev. J. P., B.A., D.D.	Asst.		Boyle, C., M.A. Wis., B.Sc., Ph.D. Lond., D.I.C.	Prof.
<i>Medicine and Surgery, v. infra</i>			<i>Dairy Accountancy</i>	
<i>Music</i>			Murphy, M., M.A., B.Comm.	Prof.
Fleischmann, A. G., M.A., B.Mus.	Prof.		<i>Dairy Bacteriology</i>	
<i>Philosophy</i>			Grimes, M., B.Sc. Tor., M.Sc., Ph.D. Iowa	Prof.
O'Mahony, Rev. J. E., D.Litt.	Prof.		<i>Dairy Chemistry</i>	
Callaghan, Rev. J., M.A.	Asst.		Pyne, G. T., B.Sc. Lond., M.Sc., Ph.D., F.R.I.C.	Prof.
<i>Physics, Experimental</i>			McSweeney, D. T., M.Sc.	Asst.
McHenry, J. J., M.A., D.Sc.	Prof.		Ryan, J. J., M.Sc.	Asst.
Kelly, C., M.Sc., Ph.D.	Lectr.		<i>Dairy Engineering</i>	
O'Sullivan, Margaret, M.Sc.	Asst.		McGrath, F. A., B.E.	Prof.
<i>Physics, Nuclear</i>			<i>Dairy Technology</i>	
Kelly, C., M.Sc., Ph.D.	Lectr.		Lyons, J., M.Sc.	Prof.
			O'Shea, M. J., M.Sc. (Dairying), Ph.D.	Asst.

Dentistry

Roche, M. A., B.D.S.
(D. Prosthetics) Prof.
Ollivère, J. D. F., B.D.S. Lectr.

Medicine

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

Hygiene and Public Health

Saunders, J. C., M.D., D.P.H.
Prof.

Materia Med.

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.

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.

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. Dr. 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. E. M. Farrington, M.A., H.Dip. in Ed. Methodist: Rev. S. E. McCaffrey. Jewish: Rev. S. Barron.

STUDENTS' HEALTH SERVICE. Sec.: Mrs. M. 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: *Science and Medicine*—Entrance examn. in Chem. and Exp. Physics; *Engineering and Dairy Science*—Entrance examn. in Maths.

DEGREES. B.A., B.Comm., B.Sc., B.Sc. (Dairying), B.E., LL.B., M.B., B.Ch., B.A.O., B.Mus., B.D.S.

HIGHER DEGREES. M.A., M.Comm., M.Econ.Sc., M.Sc. (Dairying), M.E., M.D., M.Ch., M.A.O., M.D.S., Ph.D., D.Econ.Sc., D.Sc.

DIPLOMAS. Dipl. in Dairy Sci.; Higher Dipl. in Educn.; Dipl. in Commerce; Dipl. in Chem. Technol.; Dipl. in Psychological Med. (D.P.M.); College Dipl. in Obstetrics.

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 Instrucl., £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. Nine Months General Hospital (North Infirmary), 6 guineas. *Third and Fourth Dental Years*: Dental Surgery, Orthodontia, etc., £12 p.a. for two yrs. Surgery Equipment and Instruments, £30 approx.

NON-MEMBERS. Non-Members may be admitted to classes if permission is granted by the President of the Coll.

ADULT EDUCATION. The Adult Educn. Cttee., in co-operation with local Cttees. of Vocational Education, conducts various courses in Adult Educn. and arranges for lectures and conferences. Coll. Dipl. in Social and Economic Science (2-yr. course); Coll. Dipl. in Social Study (2-yr. course); Coll. Dipl. in Rural and Social Sci. (2-yr. course).

GRADUATES' ASSOCIATION. Cork University Graduates' Club (non-official).

MUSEUMS. Medical, Natural History, Cork Public Museum, Botanic Garden; **FIELD STATION,** Lough Ine, Baltimore, Co. Cork (Zoological). **LABORATORIES,** Phys., Chem., Engin., Biol., Geol., Physiol., Materia Medica, Pathol., Dairy Engin., Dairy Chem., Dairy Bacteriol., Dairy Technol., Biochem.

STUDENT RESIDENCES. Honan Hostel (approx. 38 men students), fee 80 gns. per session. La Reiraite (approx. 30 women students), fee from 63 gns.

UNIVERSITY MILITARY FORMATION. F.C.A. (Fórsa Coiseanta Áitiúla).

PRINCIPAL STUDENT ATHLETIC FACILITIES. Athletic Club, boxing, Camogie, Gaelic football, hurling, golf, lawn tennis, Rugby football, swimming, women's hockey, rowing. Univ. Athletic Grounds, 15 acres in extent, 2 pavilions and a grandstand.

UNIVERSITY PRESS. Publishes *Calendar* annually, *Cork University Record* 3 times p.a., and publications of members of the Staff.

THE YEAR 1951-52

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	30	753
Women	4	249
Total	34	1002

DEGREES. B.A., 79; M.A., 17; B.Comm., 8; M.Econ. Sc., 1; B.Sc., 35; M.Sc., 15; B.E., 35; M.B., 36; M.D., 6; B.Sc. (Dairying), 4; B.D.S., 3; Ph.D., 9.

[Information compiled as at 12/8/52.]

UNIVERSITY COLLEGE, GALWAY

Founded 1849

Telephone : Galway 22.

PRESIDENT—Rt. Rev. Mgr. PÁDRAIG DE BRÚN, M.A., D.Sc.

REGISTRAR—Prof. J. MITCHELL, B.Sc., B.E., F.G.S.

BURSAR—Prof. P. LARKIN, B.A., H.Dip.Ed.

TEACHING STAFF

Anatomy

Shea, S., M.D., B.Ch., B.A.O. Prof.

*Archæology, Celtic*Duignan, M. V., M.A., H.Dip.Ed.
Prof.*Celtic Languages*O'Maille, T. S., B.A., Ph.D.,
H.Dip.Ed. Lectr.*Chemistry*Dillon, T., M.A., D.Sc. Prof.
Coll, Francis, M.Sc., 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. M. M., M.A. Prof.

*History*O'Sullivan, Mrs. M. J. D., M.A.,
D.Litt. Prof.
Kennedy, Sheila G., M.A.,
H.Dip.Ed. Lectr. (in Irish).*Irish, 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, Caitlin, M.A.,
D.Phil., 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.		<i>Romance Languages</i>	
	Lectr. (in Irish).	O'Brien, W., M.A.	Prof.
Ryan, E. R., B.Sc., M.E.	Asst.	O'Reilly, Mary J., M.A.	Lectr.
<i>Mathematical Physics</i>		<i>Medicine</i>	
MacCionnaith, E., M.A., M.Sc.		<i>Med. Jurisprudence and Hygiene</i>	
	Prof.	.....	Lectr.
<i>Medicine, v. infra</i>		<i>Medicine</i>	
<i>Natural History</i>		O'Donnell, M. J., M.D.	Prof.
Dinan, T. J., M.Sc.	Prof.	<i>Mental Diseases</i>	
De Valera, Máirin, M.Sc., Ph.D.		McCarthy, C. J., M.B., D.P.H.	
	Lectr.		Lectr.
O'Doherty, Bridget, B.Sc., H.Dip.		<i>Midwifery and Gynæcology</i>	
Ed.	Asst.	.....	Prof.
<i>Philosophy</i>		<i>Ophthalmology and Otology</i>	
O'Brien, Rev. F., Ph.D., D.D.,		O'Malley, C. C., B.Sc., M.D., B.Ch.,	
B.C.L. Rome, Lic. Sc. Hist.		B.A.O., D.O.M.S.	Prof.
Louvain	Prof.	<i>Pathology</i>	
Nolan, Rev. H., D.Phil., M.A.		.....	Prof.
	Lectr.	<i>Surgery</i>	
<i>Physics</i>		O'Malley, M. G., M.B., B.Ch.,	
O'Brolchain, C., M.Sc., Ph.D.	Prof.	B.A.O., F.R.C.S.	Prof.
Larkin, Declan M., M.Sc.	Lectr.	<i>Therapeutics, Mat. Med. and Pharmacol.</i>	
<i>Physiology</i>		McDermott, E. N., B.Sc., M.D.,	
Donegan, J. F., B.Sc., M.B., B.Ch.,		F.R.C.S.I.	Prof.
B.A.O.	Prof.		

ADMINISTRATIVE AND OTHER STAFF

DEANS OF RESIDENCE : Rev. Fr. M. Spelman, B.A. ; Rev. J. F. Provost Nash, M.A. ; Rev. W. S. Forsythe ; Rev. C. McNeill Caldwell, M.A.

LADY SUPERINTENDENT : Mrs. M. O'Driscoll, B.Comm.

ASSISTANT LIBRARIAN : M. J. Fahy.

GENERAL INFORMATION

Queen's College, Galway, opened in 1849, became a constituent College of the N.U.I. in 1908.

LIBRARY : 80,000 vols. LABORATORIES : Physics, Chem., Biol., Physiol., Path., Geol., Engin. MUSEUMS : Nat. Hist., Archæol., Mat. Med., Gynæc., Anat.

DEGREE COURSES in Arts, Celtic, Science, Law, Med., Engin., Commerce. Courses for Diplomas in Educn., Commerce.

Med. degree students are required to spend 1 yr. at a Metropolitan Hospl. after a 5 yrs.' course in the College and 2 yrs. in the Galway Hospitals.

FEEs. College, £3 : 10s. p.a. Inclusive approximate fee for complete Degree course : Arts, 3 yrs., £63 ; Science, 3 yrs., £84 ; Law, at least 6 terms after

B.A., £48; Medicine, 6 yrs. (including 2 yrs.' General Hospital fees), £181; Engineering, 3 yrs., £84; Commerce, 3 yrs., £60. Postgraduate or research course, £15.

SCHOLARSHIPS open to students of the Coll. on graduation: 4 of £60.

RESIDENCE. The cost of board and lodging for a student varies from 50s. to 60s. 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 1950-51

STUDENTS.

	<i>Part-Time</i>	<i>Full-Time</i>
Men	33	584
Women	8	283
Total	41	867

Included in the above are 83 postgraduate students and 224 first-year admissions.

DEGREES. B.A., 57; M.A., 5; B.Comm., 25; H. Dip. in Ed., 49; B.E., 32; M.E., 1; LL.B., nil; M.B., B.Ch., B.A.O., 39; M.A.O., 1; B.Sc., 27; M.Sc., 14.

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, 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. 1952-53: A. O. Craven (Chicago); 1953-54: C. D. Edwards, Director of the Bureau of Industrial Economics, Federal Trade Commission, Washington.

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.* *See* p. 355.

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. 1952-53: G. W. Corner, M.A., D.Sc. Ball. (Carnegie Institution, Washington).

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. 1952-53: H. S. Commager, M.A. Queen's (Columbia Univ.). 1953-54: R. A. Billington, Ph.B. Wis., M.A. Mich., Ph.D. Harv.

GEORGE WATSON LECTURESHIP. Founded by the late Sir W. G. Watson in 1920. Each year's course usually comprises about six lectures by an eminent authority, American or British. The courses are given in rotation in the various British Universities and at other institutions. Lecturer, 1952: Walter Lippmann. Subject: "Public Opinion and Foreign Policy in the United States." The Foundation is administered by the Sulgrave Manor Board and all communications should be addressed to the Secretary (G. M. Veit, M.A.), 37 Charles St., Berkeley Sq., London, W.1. *Telephone*: Mayfair 7400, ext. 20.

UNITED STATES EDUCATIONAL COMMISSION IN THE UNITED KINGDOM. Under the provisions of the Fulbright Act of the United States Congress, part of the currencies and credits of other countries (including several in the Commonwealth) acquired by the United States through the sale of surplus property abroad can be used for educational exchanges. Scholarships for research and study in Britain or the Colonies are available to American graduate students, and awards are also made to visiting American professors and lecturers and advanced research students, while sterling grants covering transatlantic fares and United States rail costs are made to British professors, lecturers, research workers and graduate students going to American Universities, the funds available to the Commission allowing for an expenditure up to £357,000 p.a. The Fulbright programme in the United Kingdom is administered by the United States Educational Commission in the United Kingdom, which was established by an agreement between the United Kingdom and the United States Governments in Sept. 1948 as a joint Commission of seven British and seven American members.

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. It was announced in July 1952 that the U.K. Government have decided to give effect to the proposal of the previous govt. to express the gratitude of the United Kingdom for the assistance of the Marshall programme by founding twelve scholarships for United States students. These will be competed for annually, will be open to men and women and tenable at any British University.

BRITISH INFORMATION SERVICES (established 1942 with the fusion of the British Library of Information and the British Press Service), 30 Rockefeller Plaza, New York 20, N.Y. (*Telephone* : Circle 6-5100) (Reference Division, Press and Radio Division, Films and Publications Division). B.I.S. is a part of the Foreign Office Information Services and its services are confined to the United States and its possessions. It has a library of official documents, British newspapers and periodicals, and books dealing with every aspect of British affairs ; these are available for inter-library loan as well as for study in the B.I.S. reading-room. It answers enquiries on British affairs, and publishes information papers, pamphlets and periodicals. Special sections deal with information on Commonwealth and Economic affairs. The Films and Publications Division has a collection of British Government Films for hire or sale. The Press and Radio Division does not compete with commercial 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 (39 South La Salle Street), San Francisco (310 Sansome Street), and Los Angeles (448 South Hill Street). *Controller*—G. D'Arcy Edmondson, O.B.E.

PUBLICATIONS. Students in the United Kingdom who intend to study in the United States, and who wish to consult the calendars of the various Universities, are advised to apply to the American Library, United States Information Service, 5 Grosvenor Square, London, W.1. The Institute of International Education, 2 West 45th Street, New York 19, N.Y., has published a handbook for foreign students, entitled *Meet the U.S.A.* This booklet, which was written by a foreign student, contains a great deal of general information about the history and customs of that country, as well as specific information about higher education in the United States. Copies are available for consultation at American Consulates and Embassies throughout the world. Cost, 35 cents. A useful publication is the *Complete Guide to American Colleges and Universities* by Clarence E. Lovejoy (Simon and Schuster, New York). Another helpful reference book is *American Universities and Colleges*, published by the American Council on Education, 744 Jackson Place, Washington 6, D.C. Pt. I is devoted to a general explanation of the organization and operation of higher education, and includes a special chapter on the foreign student in the United States ; Pt. II gives separate statements of the individual Colleges and Universities, arranged alphabetically. *See also* Appendix IX.

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.

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.

THE INTERNATIONAL ASSOCIATION OF UNIVERSITY PROFESSORS AND LECTURERS. The definitive statutes of the Association were adopted in Brussels in 1947. I.A.U.P.L. took shape from the activities and discussions of University teachers and research workers from overseas who were temporary inhabitants of Great Britain during World War II, and who, with a few British colleagues, formed themselves into an *Association of Professors and Lecturers of the Allied Countries in Great*

Britain; and from the movement towards co-operation among University personnel, under the name of *The International University Conference*, inaugurated in 1934 by the Association of University Teachers of the United Kingdom. Each of the national associations affiliated to I.A.U.P.L. retains its separate identity.

I.A.U.P.L.'s province is the University as a whole. Its broad aims are the development of academic fraternity among University teachers across faculty and national boundaries; the protection of freedom of teaching and research; the furtherance of the interests of University teachers; and the consideration of any academic problems, whether initiated by the Association or referred to it by Governments or Universities or by UNESCO.

Topics of interest to University teachers have been discussed at six post-war international conferences attended by delegates of the national associations affiliated to I.A.U.P.L. and held respectively at Oxford, Brussels, Paris, Basle, Florence and Nice.

In its initial programme adopted in Brussels in 1947, the Association's more immediate projects were stated to be the establishment of an International Universities Bureau (v. *supra*) and an International Institute of Social Sciences, together with the examination of the following problems, about which reports have since been prepared: Equivalence of University Standards, Student Health Services and Recurrent Long Leave. I.A.U.P.L. co-operates with organizations which help exiled Professors and Lecturers to find suitable employment.

The Association's activities are recorded in its journal, *Communication*, normally published three times a year.

General Secretary—Professor R. Douglas Laurie, 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 143,000.

The aim of the Federation is to promote understanding and friendship among University women of different nationalities, and so to further their common interests and to develop sympathy and co-operation between their countries. The Federation offers members research fellowships, travel facilities, opportunity for exchange of posts and an organization for combined action to improve their professional status. Since 1936 it has built up special funds to assist University women in distress as a result of war or political upheaval.

The work of the Federation is planned by a Conference of delegates of the National Associations, of which there can be only one affiliated from each country. The Conference meets every three years to receive reports, to elect officers, to define policy, to consider new developments and to discuss questions of general interest. Between Conferences there are meetings of the Council, on which each National Association has one representative, and of Standing International Committees

responsible for the direction of special activities. The International Headquarters Office in London acts as a co-ordinating centre.

The publications of the Federation include the *International Glossary of Academic Terms* (1939), *Human Rights : the Task before Us* (1950), an annual *Report* and a periodical *News-Letter*.

Executive Secretary—Miss M. C. Hermes, M.B.E., B.A. *Postal Address* : 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 in need, and books, stationery, laboratory equipment and periodicals are sent to Universities where they are lacking. In Britain, students are recruited by W.U.S. for overseas conferences, study tours, seminars and vacation courses, travel bursaries often being made available. Hospitality is sought for colonial and foreign students in Britain, and W.U.S. seeks to develop the interest of British students in University life abroad.

The International Headquarters of W.U.S. is at 13 rue Calvin, Geneva, Switzerland.

President, British Committee—Sir Walter Moberly, G.B.E., K.C.B., D.S.O., M.A., D.Litt. *General Secretary, British Committee*—Douglas Mayer, B.Sc. *Postal Address* : 59 Gloucester Place, London, W.1. *Telegrams* : Interstud, London. *Telephone* : Welbeck 3921.

UNESCO AND UNIVERSITIES. UNESCO, the United Nations Educational, Scientific and Cultural Organization, directly and indirectly fosters international contacts among Universities all over the world and encourages them to give mutual assistance in various fields of their activities. The annual UNESCO publication, *Study Abroad*, lists more than 30,000 fellowships offered by Governments and other bodies to students of various nations to enable them to study abroad.

UNESCO gave impulse and assistance to the representatives of various national Universities in the organization of two University Conferences : at Utrecht in 1948 and at Nice in 1950. (V. I.A.U. *supra*.)

UNESCO maintains close working relations with the international University bodies listed above and with the international student organizations. All these organizations benefit from a special consultative arrangement with UNESCO.

The working programme of UNESCO includes several activities of

importance to the Universities, such as, upon their request, assisting them to obtain books and other equipment, helping certain countries to find University teachers abroad ; organizing assistance to refugee students ; maintaining special regional offices throughout the world to promote co-operation among scientists in the area ; 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. From 1952-53 onwards, a limited number of small international groups of University teachers have been organized ; they stay in selected Universities in various countries for one year, in order to increase the exchange of teaching methods and to encourage certain studies needed in a given region (*e.g.* Social Studies at the University of Dacca).

The programme of UNESCO is carried out by the 65 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.

APPENDIX IX

SHORT BIBLIOGRAPHY

The two lists which follow do not include books about individual Universities and do not claim to be exhaustive. They may be supplemented by reference to the "Publications" paragraph in each University entry *supra*.

Part I. This section lists books published in the United Kingdom since the 1952 *Yearbook* went to press. It is hoped to include each year in this Appendix a short list of books which have appeared during the preceding twelve months, and also to extend the list, if possible, to include books published in the same period in other parts of the Commonwealth.

Conferences of the Home Universities, 1951 and 1952. Reports of Proceedings. (Association of Universities of the British Commonwealth.) Topics of discussion were: 1951—The Procedure for the Selection of Students for Admission to Universities; Universities and the Fine Arts; Student Health. 1952—Halls of Residence and Student Amenities; Success and Failure at the University; Vacation Employment.

Education for Management. Report of a specialist team which visited the U.S.A. in 1951. (Anglo-American Council on Productivity, 1951.)

International Studies Conference, 1950: the University Teaching of International Relations. Edited by Geoffrey L. Goodwin. (Blackwell, 1951.)

Select Committee on Estimates: Fifth Report. Session 1951-52. The Grant in Aid of Universities and Colleges. (H.M.S.O., 1952.)

The Selection of University Students. F. W. Warburton. (Manchester University Press, 1952.)

Universities and Industry. Report of a specialist team which visited the U.S.A. in 1951. (Anglo-American Council on Productivity, 1951.)

The Universities and the Theatre. Edited by David G. James. Colston Papers Series—4. (Allen and Unwin, 1952.)

University Grants Committee: University Development. Interim Report on the Years 1947 to 1951. (H.M.S.O., 1952.)

Part II: Main List.

GENERAL AND REFERENCE BOOKS

Australia

A Brief Guide to Australian Universities. (Melbourne University Press, for Australian Council for Educational Research, 1947.)

Student Selection and Academic Success in Australian Universities. C. Sanders. (Govt. Printer, Sydney, for Commonwealth Office of Education, 1948.)

[*Australian*] *University Statistics: Year 1951. Part I, Staff and Students; Part II, Degrees Conferred, Libraries and Finance.* (Commonwealth Bureau of Census and Statistics, Canberra, 1952.)

Canada

Yearbook of Canadian Universities. Edited by J. B. Marshall. Third Issue, 1952. (National Conference of Canadian Universities.)

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.)

United Kingdom

British Universities. Sir Ernest Barker. (Longmans, Green, for British Council, revised edition 1949.)

British Universities. S. C. Roberts. (Collins, 1947.)

The British Universities. Sir Charles Grant Robertson. (Methuen, 1944.)

First Year at the University. Bruce Truscot. (Faber, 1946.)

Handbook for Indian Students. A guide to facilities for University and Professional Studies and Training in the United Kingdom. (Office of the High Commissioner for India, London, 1946.)

Higher Education in the United Kingdom: A Handbook for Students from Overseas. (Longmans, Green, for British Council and Association of Universities of the British Commonwealth, 1952.)

The Problem Facing British Universities. (Oxford University Press, for Nuffield College, 1948.)

Redbrick University. Bruce Truscot. (Faber, 1943.) [New edition, published in 1951 by Penguin Books, also contains certain chapters from *Redbrick and these Vital Days*.]

Redbrick and these Vital Days. Bruce Truscot. (Faber, 1945.)

Scholarships Abroad. Scholarships offered to British students by Foreign Governments and Universities. Published annually. (British Council.)

British Universities Summer Schools, 1953. Restricted to international summer schools arranged under an inter-University programme. Obtainable from Univs. of Birmingham, Edinburgh, London and Oxford. Published 1952.

University Graduates: A Summary of Possible Openings. No. 42 in "Careers for Men and Women" series. (H.M.S.O., for Ministry of Labour and National Service, 1947.)

United States of America

American Universities and Colleges. Edited by Mary Irwin. Sixth edition, 1952. (American Council on Education.)

Complete Guide to American Colleges and Universities, 1953-54. Clarence E. Lovejoy. (Simon and Schuster, New York, 1952.)

Educational Directory, Part 3: Higher Education. Published annually. (Federal Security Agency, U.S. Office of Education.)

- The Crisis in the University.* Sir Walter Moberly. (S.C.M. Press, London, 1949.)
- The Degrees and Hoods of the World's Universities and Colleges.* F. W. Haycraft. 1948 edition revised by E. W. S. Stringer. (Cheshunt Press.)
- Education in a Divided World : The Function of the Public Schools in our Unique Society.* J. B. Conant. (Harvard University Press, 1949.)
- The Idea of a University.* John Henry Newman. (Various editions.)
- Inter-Commonwealth Postgraduate Scholarships in Science.* Published for British Commonwealth of Nations Scientific Liaison Offices. (H.M.S.O., 1951.)
- International Glossary of Academic Terms.* (International Federation of University Women, 1939.)
- Life in the Mediæval University.* Robert S. Rait. (Cambridge University Press, 1912.)
- Mission of the University.* Jose Ortega y Gasset. (Kegan Paul, 1946.)
- Study Abroad.* International Handbook of Fellowships, Scholarships and Educational Exchange. Volume V, 1952-53. Also *Vacation Study Supplement to Volume V.* (UNESCO, 1953.)
- Universities : American, English, German.* Abraham Flexner. (Oxford University Press, 1930.)
- The Universities and Educational Systems of the British Empire.* Arthur Percival Newton. (Collins, 1924.)
- The Universities of Europe in the Middle Ages.* Hastings Rashdall. New edition in 1936 by F. M. Powicke and A. B. Emden. (Oxford University Press.)
- Universities of the World Outside U.S.A.* Edited by M. M. Chambers. First edition, 1950. (American Council on Education.)
- The University Outside Europe.* Edited by Edward Bradby. (Oxford University Press, 1939.)
- The World of Learning.* Fourth edition, 1952. (Europa Publications, London.)
- The Yearbook of the Universities of the Commonwealth.* Edited by J. F. Foster. Thirtieth Issue, 1953. (G. Bell and Sons, for Association of Universities of the British Commonwealth.)

REPORTS

- Sixth Congress of Universities of the British Commonwealth, 1948 : Report of Proceedings.* (Association of Universities of the British Commonwealth, 1951.) Companion volumes for First (1912), Second (1921), Third (1926), Fourth (1931) and Fifth (1936) Congresses of the Universities of the Empire. (G. Bell and Sons.)
- International Conference [at Nice] of Universities: Report.* (International Universities Bureau, 1951.)

Canada

- National Conference of Canadian Universities : Reports of Annual Meetings.* (N.C.C.U.)

National Development in [Canadian] Arts, Letters and Sciences, 1949-51 : Report of Royal Commission. Chairman: Rt. Hon. Vincent Massey. (Printer to H.M. the King, Ottawa, 1951.)

Colonies

Commission on Higher Education in the Colonies : Report. Chairman: Mr. Justice Asquith. Cmd. 6647. (H.M.S.O., 1945.)

Inter-University Council for Higher Education in the Colonies : Annual Report. (H.M.S.O.)

Germany

University Reform in Germany : Report by a German Commission. (H.M.S.O., 1949.)

India

[*Indian*] *University Education Commission. Volume I : Report and Appendices ; Volume II : Evidence.* (Delhi, 1949 and 1951.)

Inter-University Board of India : Annual Report. (Inter-University Board of India.)

United Kingdom

Advisory Council on Scientific Policy : Report. Published annually. (H.M.S.O.)

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Dentistry : Report of Inter-Departmental Committee. Chairman: Lord Teviot. Cmd. 6727. (H.M.S.O., 1946.)

Future Development of Higher Technological Education : Report of National Advisory Council on Education for Industry and Commerce. (H.M.S.O., 1950.)

Higher Agricultural Education in England and Wales : Report of Committee. Chairman: Dr. T. Loveday. Cmd. 6728. (H.M.S.O., 1946.)

Higher Technological Education : Report of Special Committee. Chairman: Lord Eustace Percy. (H.M.S.O., 1945.)

Medical Schools : Report of Inter-Departmental Committee. Chairman: Sir Wm. Goodenough. (H.M.S.O., 1944.)

Oriental, Slavonic, East European and African Studies : Report of Inter-Departmental Commission of Inquiry. Chairman: The Earl of Scarbrough. (H.M.S.O., 1946.)

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

Political and Economic Planning Broadsheets :

Technological Education. Broadsheet No. 319. (Political and Economic Planning, London, 1950.)

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- The University Student : Selection and Awards.* Broadsheet No. 297. (P.E.P., 1949.)
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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 Medical Colleges, Schools and Departments will be found references to all places where Medicine may be studied. The following Medical subjects which are generally studied are omitted : Anæsthetics ; Anatomy ; Bacteriology ; Dermatology ; Forensic Medicine ; Gynæcology ; Obstetrics ; Ophthalmology ; Orthopædics ; Oto-rhino-laryngology ; Pædiatrics ; Pathology ; Surgery.

Special branches of unlisted subjects may be found in the index, *e.g.* Agricultural Chemistry ; Medicine, Psychological.

Abbreviations : *U.K.* = United Kingdom ; *Can.* = Canada ; *Aust.* = Australia ; *N.Z.* = New Zealand ; *S.A.* = South Africa ; *Ind.* = India ; *Cey.* = Ceylon ; *Pak.* = Pakistan ; *Col.* = Colonies ; *App.* = Appendices.

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